HITACHI
Inspire the Next

Hitachi Command Suite
Messages

FastFind Links

Document Organization

Product Version

Getting Help

Contents

Hitachi Data Systems

MK-90HC178-25

© 2014, 2016 Hitachi, Ltd. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including copying and recording, or stored in a database or retrieval system for commercial purposes without the express written permission of Hitachi, Ltd., or Hitachi Data Systems Corporation (collectively "Hitachi"). Licensee may make copies of the Materials provided that any such copy is: (i) created as an essential step in utilization of the Software as licensed and is used in no other manner; or (ii) used for archival purposes. Licensee may not make any other copies of the Materials. "Materials" mean text, data, photographs, graphics, audio, video and documents.

Hitachi reserves the right to make changes to this Material at any time without notice and assumes no responsibility for its use. The Materials contain the most current information available at the time of publication.

Some of the features described in the Materials might not be currently available. Refer to the most recent product announcement for information about feature and product availability, or contact Hitachi Data Systems Corporation at https://support.hds.com/en_us/contact-us.html.

Notice: Hitachi products and services can be ordered only under the terms and conditions of the applicable Hitachi agreements. The use of Hitachi products is governed by the terms of your agreements with Hitachi Data Systems Corporation.

By using this software, you agree that you are responsible for:

1) Acquiring the relevant consents as may be required under local privacy laws or otherwise from authorized employees and other individuals to access relevant data; and

2) Verifying that data continues to be held, retrieved, deleted, or otherwise processed in accordance with relevant laws.

Notice on Export Controls. The technical data and technology inherent in this Document may be subject to U.S. export control laws, including the U.S. Export Administration Act and its associated regulations, and may be subject to export or import regulations in other countries. Reader agrees to comply strictly with all such regulations and acknowledges that Reader has the responsibility to obtain licenses to export, re-export, or import the Document and any Compliant Products.

Hitachi is a registered trademark of Hitachi, Ltd., in the United States and other countries.

AIX, AS/400e, DB2, Domino, DS6000, DS8000, Enterprise Storage Server, eServer, FICON, FlashCopy, IBM, Lotus, MVS, OS/390, PowerPC, RS/6000, S/390, System z9, System z10, Tivoli, z/OS, z9, z10, z13, z/VM, and z/VSE are registered trademarks or trademarks of International Business Machines Corporation.

Active Directory, ActiveX, Bing, Excel, Hyper-V, Internet Explorer, the Internet Explorer logo, Microsoft, the Microsoft Corporate Logo, MS-DOS, Outlook, PowerPoint, SharePoint, Silverlight, SmartScreen, SQL Server, Visual Basic, Visual C++, Visual Studio, Windows, the Windows logo, Windows Azure, Windows PowerShell, Windows Server, the Windows start button, and Windows Vista are registered trademarks or trademarks of Microsoft Corporation. Microsoft product screen shots are reprinted with permission from Microsoft Corporation.

All other trademarks, service marks, and company names in this document or website are properties of their respective owners.

Contents

Preface..... vii
Intended audience..... viii
Product version..... viii
Release notes..... viii
Document organization..... viii
Related documents..... ix
Document conventions..... ix
Conventions for storage capacity values..... xi
Accessing product documentation..... xi
Getting help..... xi
Comments..... xii

1 Overview of messages..... 1-1
Message syntax..... 1-2
Format and types of message IDs..... 1-2
Terms used in this manual..... 1-4

2 Messages output by Device Manager, Tiered Storage Manager, and Replication Manager..... 2-1
Messages with IDs beginning with DRM..... 2-3
DRM-10000 - DRM-19999..... 2-3
Messages with IDs beginning with KAIB..... 2-119
KAIB00000 - KAIB09999..... 2-119
KAIB10000 - KAIB19999..... 2-124
KAIB20000 - KAIB29999..... 2-136
KAIB30000 - KAIB39999..... 2-157
KAIB40000 - KAIB49999..... 2-157
KAIB50000 - KAIB59999..... 2-160
KAIB60000 - KAIB69999..... 2-165
Messages with IDs beginning with KAIC..... 2-194
KAIC00000 - KAIC09999..... 2-194
KAIC10000 - KAIC19999..... 2-480
KAIC20000 - KAIC29999..... 2-890
KAIC30000 - KAIC39999..... 2-916
KAIC60000 - KAIC69999..... 2-918

KAIC70000 - KAIC79999....2-922
KAIC90000 - KAIC99999....2-947
Messages with IDs beginning with KAIE....2-969
KAIE10000 - KAIE19999....2-970
KAIE20000 - KAIE29999....2-974
KAIE30000 - KAIE39999....2-980
KAIE60000 - KAIE69999....2-981
Messages with IDs beginning with KAIG....2-986
KAIG00000 - KAIG09999....2-987
Messages with IDs beginning with KAPM....2-996
KAPM00000 - KAPM09999....2-996
KAPM10000 - KAPM19999....2-1284
KAPM40000 - KAPM49999....2-1404
Messages with IDs beginning with KAQ*x*....2-1404
Details of KAQ*x* messages....2-1404
Messages with IDs beginning with KATS....2-1405
KATS10000 - KATS19999....2-1405
KATS20000 - KATS29999....2-1428
KATS30000 - KATS39999....2-1451
KATS40000 - KATS49999....2-1453
KATS50000 - KATS59999....2-1483
KATS60000 - KATS69999....2-1634
KATS90000 - KATS99999....2-1669
Messages with IDs beginning with KAVN....2-1671
KAVN00000 - KAVN09999....2-1671
KAVN10000 - KAVN19999....2-1794
Messages with IDs beginning with KAVX....2-1804
KAVX0000 - KAVX9999....2-1804
Actions to be taken for certain messages....2-2031
Actions to be taken for KAVX5105-W....2-2032
Actions to be taken for KAVX5137-E or KAVX0006-E/DRM-10041....2-2033
Messages with IDs beginning with KDJE....2-2039
KDJE40000 - KDJE49999....2-2039
Messages with IDs beginning with KFP*x*....2-2042
Details of KFP*x* messages....2-2042
Messages with IDs beginning with RPM....2-2053
RPM-00000 - RPM-09999....2-2053
RPM-10000 - RPM-19999....2-2264
RPM-20000 - RPM-29999....2-2313

3 Alerts output by Device Manager....3-1
KAID00001 - KAID01999....3-2
KAID02101 - KAID02907....3-48
KAID10001 - KAID11028....3-82

4 Error codes for the Device Manager agent....4-1
5000 - 9999....4-2

5 Messages output by storage systems....5-1
Details about HUS100 and Hitachi AMS2000/AMS/WMS/SMS messages....5-2

Details about Universal Storage Platform V/VM messages.....5-216
Details about Virtual Storage Platform messages..... 5-224
Details about VSP G1000, G1500, and VSP F1500 messages.....5-224
Details about VSP Gx00 models and VSP Fx00 models messages..... 5-224

Acronyms and abbreviations

Preface

This document lists and describes messages output by Hitachi Device Manager (abbreviated hereafter to *Device Manager*), Hitachi Replication Manager (abbreviated hereafter to *Replication Manager*), and Hitachi Tiered Storage Manager (abbreviated hereafter to *Tiered Storage Manager*), and provides recommended actions for the error conditions.

This preface includes the following information:

- Intended audience
- Product version
- Release notes
- Document organization
- Related documents
- Document conventions
- Conventions for storage capacity values
- Accessing product documentation
- Getting help
- Comments

Intended audience

This document is intended for storage administrators who use Hitachi Command Suite to operate and manage storage systems, and assumes that readers have:

- Basic knowledge about Storage Area Networks (SANs)
- Basic operational knowledge about the prerequisite OS and Web browser
- Knowledge necessary to operate and manage systems by using Hitachi Command Suite

Product version

This document revision applies to Hitachi Device Manager, Hitachi Replication Manager, and Hitachi Tiered Storage Manager v8.5 or later.

Release notes

Read the release notes before installing and using this product. They may contain requirements or restrictions that are not fully described in this document or updates or corrections to this document. Release notes are available on Hitachi Data Systems Support Connect: https://knowledge.hds.com/Documents.

Document organization

The following table provides an overview of the contents and organization of this document. Click the chapter title in the left column to go to that chapter. The first page of each chapter provides links to the sections in that chapter.

Chapter	Description
Chapter 1, Overview of messages on page 1-1	Describes the format and types of messages.
Chapter 2, Messages output by Device Manager, Tiered Storage Manager, and Replication Manager on page 2-1	Describes messages related to Device Manager, Tiered Storage Manager, and Replication Manager.
Chapter 3, Alerts output by Device Manager on page 3-1	Lists and describes the alerts output by Device Manager.
Chapter 4, Error codes for the Device Manager agent on page 4-1	Describes the error codes output by the Device Manager agent.
Chapter 5, Messages output by storage systems on page 5-1	Lists and describes the messages output by storage systems.

Related documents

The following related Hitachi Command Suite documents are available on the documentation CD:

- *Hitachi Command Suite User Guide*, MK-90HC172
- *Hitachi Command Suite Installation and Configuration Guide*, MK-90HC173
- *Hitachi Command Suite Administrator Guide*, MK-90HC175
- *Hitachi Command Suite CLI Reference Guide*, MK-90HC176
- *Hitachi Command Suite Tiered Storage Manager CLI Reference Guide*, MK-90HC177
- *Hitachi Command Suite System Requirements*, MK-92HC209
- *Hitachi Command Suite Audit Log Reference Guide*, MK-92HC213
- *Hitachi Command Suite Mainframe Agent Installation and Configuration Guide*, MK-96HC130
- *Hitachi Command Suite Tuning Manager Server Administration Guide*, MK–92HC021
- *Hitachi Command Suite Tuning Manager Hardware Reports Reference*, MK-95HC111
- *Hitachi Command Suite Tuning Manager Operating System Reports Reference*, MK-95HC112
- *Hitachi Command Suite Tuning Manager Application Reports Reference*, MK-95HC113
- *Hitachi Command Suite Tuning Manager Messages*, MK-95HC114
- *Hitachi Command Suite Replication Manager User Guide*, MK-99HC166
- *Hitachi Command Suite Replication Manager Configuration Guide*, MK-98HC151
- *Hitachi Command Suite Replication Manager Application Agent CLI Reference Guide*, MK-90HC181
- *Hitachi Command Suite Replication Manager Application Agent CLI User Guide*, MK-90HC189
- *Hitachi Business Continuity Manager Messages*
- Manuals related to Virtual Storage Platform
- Manuals related to Universal Storage Platform V/VM
- Manuals related to Hitachi Unified Storage
- Manuals related to Hitachi AMS2000/AMS/WMS/SMS

Document conventions

This document uses the following typographic conventions:

Convention	Description
Bold	• Indicates text in a window, including window titles, menus, menu options, buttons, fields, and labels. Example: Click **OK**. • Indicates a emphasized words in list items.
Italic	• Indicates a document title or emphasized words in text. • Indicates a variable, which is a placeholder for actual text provided by the user or for output by the system. Example: `pairdisplay -g group` (For exceptions to this convention for variables, see the entry for angle brackets.)
`Monospace`	Indicates text that is displayed on screen or entered by the user. Example: `pairdisplay -g oradb`
< > angled brackets	Indicates a variable in the following scenarios: • Variables are not clearly separated from the surrounding text or from other variables. Example: `Status-<report-name><file-version>.csv` • Variables in headings.
[ ] square brackets	Indicates optional values. Example: [a | b] indicates that you can choose a, b, or nothing.
{ } braces	Indicates required or expected values. Example: {a | b} indicates that you must choose either a or b.
| vertical bar	Indicates that you have a choice between two or more options or arguments. Examples: [a | b] indicates that you can choose a, b, or nothing. { a | b } indicates that you must choose either a or b.

This document uses the following icons to draw attention to information:

Icon	Label	Description
	Note	Calls attention to important or additional information.
	Tip	Provides helpful information, guidelines, or suggestions for performing tasks more effectively.
	Caution	Warns the user of adverse conditions or consequences (for example, disruptive operations).
	WARNING	Warns the user of severe conditions or consequences (for example, destructive operations).

Conventions for storage capacity values

Physical storage capacity values (for example, disk drive capacity) are calculated based on the following values:

Physical capacity unit	Value
1 kilobyte (KB)	1,000 (10^3) bytes
1 megabyte (MB)	1,000 KB or $1{,}000^2$ bytes
1 gigabyte (GB)	1,000 MB or $1{,}000^3$ bytes
1 terabyte (TB)	1,000 GB or $1{,}000^4$ bytes
1 petabyte (PB)	1,000 TB or $1{,}000^5$ bytes
1 exabyte (EB)	1,000 PB or $1{,}000^6$ bytes

Logical storage capacity values (for example, logical device capacity) are calculated based on the following values:

Logical capacity unit	Value
1 block	512 bytes
1 cylinder	Mainframe: 870 KB Open-systems: • OPEN-V: 960 KB • Others: 720 KB
1 KB	1,024 (2^{10}) bytes
1 MB	1,024 KB or $1{,}024^2$ bytes
1 GB	1,024 MB or $1{,}024^3$ bytes
1 TB	1,024 GB or $1{,}024^4$ bytes
1 PB	1,024 TB or $1{,}024^5$ bytes
1 EB	1,024 PB or $1{,}024^6$ bytes

Accessing product documentation

Product documentation is available on Hitachi Data Systems Support Connect: https://knowledge.hds.com/Documents. Check this site for the most current documentation, including important updates that may have been made after the release of the product.

Getting help

Hitachi Data Systems Support Connect is the destination for technical support of products and solutions sold by Hitachi Data Systems. To contact technical

support, log on to Hitachi Data Systems Support Connect for contact information: https://support.hds.com/en_us/contact-us.html.

Hitachi Data Systems Community is a global online community for HDS customers, partners, independent software vendors, employees, and prospects. It is the destination to get answers, discover insights, and make connections. **Join the conversation today!** Go to community.hds.com, register, and complete your profile.

Comments

Please send us your comments on this document: doc.comments@hds.com. Include the document title and number, including the revision level (for example, -07), and refer to specific sections and paragraphs whenever possible. All comments become the property of Hitachi Data Systems Corporation.

Thank you!

1

Overview of messages

This chapter describes the format and types of messages.

- Message syntax
- Format and types of message IDs
- Terms used in this manual

Message syntax

Device Manager, Tiered Storage Manager, and Replication Manager messages are output to the GUI, CLI, and log files. An output message consists of a message ID and message text. Note that some components also output a date, time, and program name to messages.

Format and types of message IDs

Message IDs have the following format:

PREFIXnnnnn-Z

The message ID consists of the following components:

PREFIX

Indicates the component that outputs the message. For details about the prefixes and which components they refer to, see Table 1-1 Prefixes and message ID types on page 1-2.

nnnnn

The message sequence number.

Z

Indicates the message type. Note that messages whose prefix begins with DRM-, KAID, or RPM- do not output the message type. The following shows message types and their meanings.

`I(Information)`: Notifies the user of information.

`Q(Question)`: Prompts the user to respond.

`W(Warning)`: Notifies the user that processing will continue but with certain restrictions.

`E(Error)`: Notifies the user that processing cannot continue due to an error.

Table 1-1 Prefixes and message ID types

Prefix	Descriptions of message IDs
DRM-	Messages related to Replication Manager Application Agent
KAIB	Messages related to the installer for Hitachi Command Suite products
KAIC	Messages related to Device Manager The following shows message numbers and corresponding functions: KAIC00000 - KAIC09999: Messages related to server functionality KAIC10000 - KAIC19999: GUI-related messages KAIC20000 - KAIC29999: Messages related to Device Manager agents KAIC30000 - KAIC39999: Trace messages KAIC60000 - KAIC69999: Trace messages KAIC70000 - KAIC79999: GUI-related messages KAIC90000 - KAIC99999: CLI-related messages

Prefix	Descriptions of message IDs
KAID	Alerts output by Device Manager
KAIE	Messages related to the Device Manager agent
KAIG	Messages related to Host Data Collector
KAPM	Messages related to Hitachi Command Suite Common Component
KAQB	Messages related to file servers. For details about these messages, see the message documentation for the file server.
KAQG	
KAQK	
KAQM	
KATS	Messages related to Tiered Storage Manager The following shows message numbers and corresponding functions: KATS10000 - KATS19999: CLI-related messages KATS20000 - KATS39999: GUI-related messages KATS40000 - KATS99999: Messages related to server functionality
KAVN	Messages related to Replication Manager The following shows message numbers and corresponding functions: KAVN00000 - KAVN00199: Common messages KAVN00200 - KAVN00399: GUI-related messages KAVN00400 - KAVN00799: Messages related to server functionality KAVN01800 - KAVN01899: Messages related to Device Manager agents KAVN02300 - KAVN02499: Common messages KAVN02500 - KAVN02999: Messages related to server functionality KAVN03000 - KAVN03399: Messages related to Replication Manager Application Agent KAVN10000 - KAVN19999: Messages related to audit log data
KAVX	Messages related to Replication Manager Application Agent
KDJE	Messages related to Hitachi Command Suite Common Component
KFPA	Messages related to HiRDB
KFPC	
KFPD	
KFPH	
KFPI	
KFPK	
KFPL	
KFPO	
KFPR	
KFPS	

Prefix	Descriptions of message IDs
KFPU	
KFPX	
RPM-	Messages related to Replication Manager The following shows message numbers and corresponding functions: RPM-00000 - RPM-00199: Common messages RPM-00200 - RPM-00399: GUI-related messages RPM-00400 - RPM-00599: Messages related to server functionality RPM-00600 - RPM-00799: Messages related to monitoring functionality RPM-00800 - RPM-00999: Messages related to database functionality RPM-01000 - RPM-01199: Messages related to Device Manager RPM-01400 - RPM-01599: Messages related to Business Continuity Manager and Mainframe Agent RPM-01600 - RPM-01799, RPM-03300 - RPM-03499: Messages related to Device Manager agents RPM-03700 - RPM-04099: Messages related to Replication Manager Application Agent RPM-04500 - RPM-04999: Messages related to server functionality RPM-10000 - RPM-29999: Messages related to Replication Manager Application Agent

Recommended actions are described in Chapter 2 and subsequent chapters. For errors whose recommended action is "Contact the Support Center.", a detailed investigation is required to determine the cause and resolve the problem. See the *Hitachi Command Suite Administrator Guide* or the *Hitachi Command Suite Replication Manager Configuration Guide* to collect maintenance information, and then contact customer support.

Terms used in this manual

The following table list terms in this manual that differ from terms used in Hitachi Command Suite products and other manuals.

Table 1-2 Correspondence between terms used in this manual and terms used in others

Terms used in this manual	Terms used in Hitachi Command Suite products and other manuals
Array group	Parity group
Array family	• Family of the storage system • Storage system family
Array name	Storage system name
Backup	Replica
Disk	Drive

Terms used in this manual	Terms used in Hitachi Command Suite products and other manuals
Host storage domain	Host group
PDEV	Drive
RAID Manager	CCI
Storage subsystem	Storage system
Subsystem	Storage system

This manual refers to the components of the Dynamic Provisioning functionality as follows:

- A DP pool of Hitachi Dynamic Tiering (HDT) is referred to as an HDT pool.
- A DP pool volume of Hitachi Dynamic Provisioning (HDP) is referred to as an HDP pool volume.
- A DP volume of Hitachi Dynamic Tiering (HDT) is referred as an HDT volume.

2

Messages output by Device Manager, Tiered Storage Manager, and Replication Manager

This chapter describes messages related to Device Manager, Tiered Storage Manager, and Replication Manager.

- Messages with IDs beginning with DRM
- Messages with IDs beginning with KAIB
- Messages with IDs beginning with KAIC
- Messages with IDs beginning with KAIE
- Messages with IDs beginning with KAIG
- Messages with IDs beginning with KAPM
- Messages with IDs beginning with KAQ*x*
- Messages with IDs beginning with KATS
- Messages with IDs beginning with KAVN
- Messages with IDs beginning with KAVX
- Messages with IDs beginning with KDJE
- Messages with IDs beginning with KFP*x*

- Messages with IDs beginning with RPM

Messages with IDs beginning with DRM

This section describes messages related to Replication Manager Application Agent.

Causes and actions to take for messages with IDs beginning with DRM might differ depending on the environment in which Replication Manager is used. If you use Replication Manager from GUI, see the information under *(For GUI)* in the *Description* column. If you use Replication Manager from the CLI, see the information under *(For CLI)* in the *Description* column.

DRM-10000 - DRM-19999

The following table describes messages related to Replication Manager Application Agent (DRM-10000 - DRM-19999).

Table 2-1 DRM-10000 - DRM-19999: messages output by Replication Manager Application Agent

Message ID	Message Text	Description
DRM-10000	An error occurred during exclusive processing.	*(For GUI)* *Cause* Exclusive processing was attempted because another operation was in progress, but the attempt failed. *Action* Wait a while, and then retry the operation. *(For CLI)* *Cause* An error occurred because another command was executing at the time of command execution even though exclusive processing (locking) was specified. *Action* Wait a while and then re-execute the command.
DRM-10001	The specified file is being used.	*(For GUI)* *Cause* Processing could not continue. The file to be restored was being used. *Action* Wait a while, and then retry the operation. *(For CLI)* *Cause* Since a file to be restored is being used, restore processing cannot continue.

Message ID	Message Text	Description
		Action Wait a while, and then re-execute the command.
DRM-10002	An internal error occurred.	*(For GUI)* *Cause* An unknown internal error occurred, either because the information in a dictionary map file or backup catalog was inconsistent or damaged, or because an unknown internal error occurred during execution of an OS system call. *Action* Use the following procedure to check the Application Agent operating environment: 1. Make sure that the RAID Manager instance that will communicate with the RAID Manager instance specified by Setup Application Agent Wizard has already started. 2. Make sure that the instance number specified in the Setup Application Agent Wizard is valid. 3. Make sure that the RAID Manager configuration definition file (`horcm`*n*`.conf`) is valid. If there is no problem in the Application Agent operating environment, check the appropriate troubleshooting section of the product manual, collect the necessary information, and then contact the Support Center. To perform a recovery, you must uninstall the product, and then re-install it. *(For CLI)* *Cause* An unknown internal error occurred because the information in a dictionary map file or backup catalog has lost conformity or was damaged. Or, an unknown internal error occurred during execution of an OS system call. *Action* Check the Replication Manager Application Agent operating environment using the following procedure:

Message ID	Message Text	Description
		1. Make sure that the RAID Manager instance that will communicate with the RAID Manager instance specified by the `HORCMINST` parameter of the RAID Manager linkage definition file (`DEFAULT.dat`) has already started. 2. Make sure that the instance number specified by the `HORCMINST` parameter of the RAID Manager linkage definition file (`DEFAULT.dat`) is appropriate. 3. Make sure that the RAID Manager configuration definition file (`horcm`*n*`.conf`) is correct. If there is no problem in the Replication Manager Application Agent operating environment, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center.
DRM-10003	An attempt to obtain a backup ID failed.	*(For GUI)* *Cause* Replica information could not be acquired. The Replication Manager Application Agent data is corrupted. *Action* Check the appropriate troubleshooting section of the product manual, collect the necessary information, and then contact the Support Center. To perform a recovery, you must uninstall the product, and then re-install it. *(For CLI)* *Cause* The system could not obtain a backup ID because the information in a dictionary map file or a backup catalog became mismatched or corrupted. *Action* Refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center. To recover, you must uninstall Replication Manager Application Agent and then re-install it.

Message ID	Message Text	Description
DRM-10004	The backup information associated with the specified backup ID does not exist.	*(For GUI)* *Cause* The replica details associated with the specified replica do not exist. *Action* Update the host information, and then retry the operation. *(For CLI)* *Cause* During an operation such as restoration or displaying backup information, the backup information associated with the backup ID that was specified by the command did not exist. *Action* Specify the correct backup ID and then re-execute the command.
DRM-10008	The pair status of the copy group is invalid.	*(For GUI)* *Cause* The command cannot be executed because the pair status of the copy group is invalid. Consider the following possible causes: 1. A program other than Replication Manager was used to change the pair volume status. 2. The user executed an invalid operation. 3. An error occurred on the storage system. *Action* Perform one of the following, based on the corresponding cause: 1. If a program other than Replication Manager has been used to change the status of the pair volume, use the CCI `pairsplit` command to change the copy group pair status to PSUS, and then re-execute the command. 2. If the user has executed an invalid operation, restore a backup from a tape or make another backup of the primary volume, and then correct the data in the secondary volume.

Message ID	Message Text	Description
		3. If an error occurred in the storage system, check the system log, and then check whether there is a message that indicates that an error has been output for the target volume. If any error messages are found, resolve the error. *(For CLI)* *Cause* The command cannot be executed because the pair status of the copy group is invalid. Possible causes are as follows: 1. The pair status of the copy group became invalid because a program other than Replication Manager Application Agent changed the status of the paired volume. 2. The user performed an invalid operation. 3. An error occurred in the storage system. *Action* Take one of the following actions: 1. If a program other than Replication Manager Application Agent changed the paired volume status, change the pair status of the copy group to PSUS by using the `pairsplit` command of RAID Manager, and then re-execute the command. 2. If the user performed an invalid operation, restore backup data from the tape or take backup copies of the primary volume again to create correct secondary volume data. To take backup copies, take one of the following actions: - If all of the following three conditions are satisfied, change the pair status of the copy group to PAIR or PSUS by using the `paircreate` command of RAID Manager, and then execute the command: - KAVX5106-E and KAVX5118-E are displayed at the same time. - The pair status displayed in KAVX5118-E is PAIR or PSUS.

Message ID	Message Text	Description
		- The pair status of the copy group displayed in KAVX5106-E is SMPL. - If all of the following three conditions are satisfied, change the pair status of the copy group to PSUS or SMPL by using the `pairsplit` command of RAID Manager, and then execute the command: - KAVX5107-E and KAVX5118-E are displayed at the same time. - The pair status displayed in KAVX5118-E is PSUS or SMPL. - The pair status of the copy group displayed in KAVX5106-E is PAIR. 3. If an error occurred in the storage system, examine the system log, check whether a message is displayed that indicates a target volume error, and then remove the cause of the error.
DRM-10009	An attempt to resynchronize the copy group(s) failed.	*(For GUI)* *Cause* An attempt to resynchronize a copy group while performing a backup or restore has failed. *Action* See the Replication Manager manual and check whether Replication Manager Application Agent is properly configured. *(For CLI)* *Cause* During backup or restore processing, the system failed to resynchronize the copy group(s). *Action* Refer to the RAID Manager log information and follow the directions in the RAID Manager manual to remove the error caused by the RAID Manager command failure, and then re-execute the Replication Manager Application Agent command. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following items in the manual

Message ID	Message Text	Description
		Replication Manager Application Agent CLI User Guide: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI • Setting Up Operation of Application Agent • Setting Up Application Agent for Linkage with CCI
DRM-10010	RAID configuration information could not be obtained.	*(For GUI)* *Cause* A CCI command was unable to obtain the RAID configuration information. *Action* Check the appropriate CCI manual to eliminate the problem that caused the CCI command to fail, and then retry the operation. *(For CLI)* *Cause* A command of RAID Manager could not obtain the RAID configuration information. *Action* Refer to the RAID Manager log information and follow the directions in the RAID Manager manual to remove the error caused by the RAID Manager command failure, and then re-execute the Replication Manager Application Agent command. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following items in the manual *Replication Manager Application Agent CLI User Guide*: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI • Setting Up Operation of Application Agent

Message ID	Message Text	Description
		• Setting Up Application Agent for Linkage with CCI
DRM-10011	A timeout error occurred.	*(For GUI)* *Cause* A timeout occurred during copy group resynchronization processing. *Action* Make sure that the storage devices are not overloaded, and then retry the operation. *(For CLI)* *Cause* During backup or restore processing, a timeout error occurred because it took a long time to check the pair status of the copy group. If KAVX5106-E is displayed, you can obtain the error target copy group name and the current pair status from the displayed result. *Action* In the manual *Replication Manager Application Agent CLI User Guide*, see the explanation for retry count and retry interval settings for checking a pair status, and then reconfigure the retry count and retry interval. If KAVX5119-E is displayed, reset the value of the displayed parameter.
DRM-10012	The target file system cannot be locked.	*Cause* During online backup processing, an error occurred in the lock processing for a file system in VxFS of Solaris. *Action* Examine the Replication Manager Application Agent trace log files and the system log, and check whether any output messages show errors in the file system.
DRM-10013	An attempt to obtain the installation path has failed.	*(For GUI)* *Cause* An attempt to obtain information about the product installation path has failed, because the product was not installed properly on a Windows system. *Action* Uninstall the product temporarily, and then re-install it. If the same problem

Message ID	Message Text	Description
		occurs after re-installation, contact the Support Center. *(For CLI)* *Cause* The system could not obtain the Replication Manager Application Agent installation path because Replication Manager Application Agent was not installed correctly in the Windows system. *Action* First uninstall Replication Manager Application Agent, and then re-install it.
DRM-10014	The specified copy group does not exist.	*(For GUI)* *Cause* The copy group registered as backup information was not found in the current configuration. *Action* Make sure the copy group is properly defined. If the copy group does not exist in the current configuration, check the CCI configuration definition file and make sure the CCI configuration definitions are correct. *(For CLI)* *Cause* The copy group registered as backup information was not found in the current configuration. Possible causes are as follows: • If KAVX5120-E is displayed, the copy group of the displayed result is not defined in the current configuration. • If KAVX5121-E is displayed, no target copy group is defined in the current configuration. *Action* Make sure that the target copy group has been defined correctly by following the procedure below: 1. Check the copy group registered in the backup information, by using the following commands: - When the backup is of a file system: `drmfscat` command

Message ID	Message Text	Description
		- When the backup is of an SQL Server database: `drmsqlcat` command - When the backup is of an Exchange database: `drmexgcat` command 2. Check the current configuration by using the following commands: - When the backup is of a file system: `drmfsdisplay` command - When the backup is of an SQL Server database: `drmsqldisplay` command - When the backup is of an Exchange database: `drmexgdisplay` command 3. If the copy group does not exist in the current configuration, check the RAID Manager configuration definition files and determine if the RAID Manager configuration definition is set correctly.
DRM-10015	An attempt to obtain RAID information failed.	*(For GUI)* *Cause* RAID configuration information could not be obtained while the setup files used by Replication Manager Application Agent were being updated. Alternatively, an attempt was made to update the setup files on the backup server. *Action* It is not necessary to update the setup files on the backup server. If this message was output on the database server, perform the following: 1. See the CCI log information, and check whether any CCI commands have failed. If a CCI command has failed, remove the cause of the problem by correcting the CCI configuration definition file (`horcm`*n*`.conf`) as described in the CCI manual, and then retry the operation. 2. See the manual, and make sure Replication Manager Application Agent is properly configured. *(For CLI)*

Message ID	Message Text	Description
		Cause The RAID configuration information could not be obtained when the dictionary map file was updated, or the backup server attempted to update the dictionary map file. If this message was output together with the KAVX0272-E message, it means that the configuration information could not be obtained on the backup server when executing the backup command with the `-svol_check` option specified. *Action* The backup server does not need to update the dictionary map file. If the database server outputs this message, check the following: • Refer to the RAID Manager log information to check whether the RAID Manager command has failed. If the RAID Manager command has failed, follow the directions in the RAID Manager manual to correct the RAID Manager configuration definition file (`horcm`*n*`.conf`) and remove the cause of the error, and then re-execute the Replication Manager Application Agent command. • Make sure that configuration and settings for using Replication Manager Application Agent are correct. For details on the configuration and settings, refer to the following items in the manual *Replication Manager Application Agent CLI User Guide*: Application Agent System Configurations Volume Configurations Usable by Application Agent Setting Up CCI Setting Up Operation of Application Agent Setting Up Application Agent for Linkage with CCI • In an environment using Hi-Copy or Cross-system Copy, check whether a pair has been created in error while the Hi-Copy or Cross-system Copy pair volume

Message ID	Message Text	Description
		was online. For details, see the operational procedure in the RAID Manager manual. • If this message was output together with the KAVX0272-E message and the backup command was executed with the –svol_check option specified, check whether a message indicating abnormality was output to the event log of the backup server. Execute the command again after removing the error cause.
DRM-10016	An attempt at mounting failed.	*Cause* During backup or restore processing, an attempt at mounting failed because the mount point directory did not exist or the drive had already been mounted. If KAVX5122-E is displayed, the displayed result indicates the incorrect logical volume. *Action* Check the Replication Manager Application Agent operating environment by using the following procedure: 1. Make sure that the RAID Manager instance that will communicate with the RAID Manager instance specified by the HORCMINST parameter of the RAID Manager linkage definition file (DEFAULT.dat) has already started. 2. Make sure that the instance number specified by the HORCMINST parameter of the RAID Manager linkage definition file (DEFAULT.dat) is appropriate. 3. Make sure that the RAID Manager configuration definition file (horcm*n*.conf) is correct. If there is no problem in the Replication Manager Application Agent operating environment, make sure that the following are true: • During the backup/restore processing on the primary volume, neither the mount operation nor the tape backup/restore operation was executed on the secondary volume.

Message ID	Message Text	Description
		• The `drmmount` command was not mistakenly executed on the primary volume. • The specification of the mount point directory is correct. If the setup of the mount point directory is correct, examine the system log and check whether there is any problem with the OS. See the notes on mounting, in the manual *Replication Manager Application Agent CLI User Guide*.
DRM-10017	The specified path has already been mounted.	*Cause* Processing could not continue because the specified drive to be mounted was already mounted at the time of backup or restore processing. *Action* Unmount the drive that has been mounted, and then re-execute the command. If the same error still occurs, examine the system log and check whether there is any problem with the OS.
DRM-10018	The specified path is invalid.	*(For GUI)* *Cause* Some information does not match between the Replication Manager server and Replication Manager Application Agent. *Action* Update host information, and then retry the operation. *(For CLI)* *Cause* The path name specified for backup with the `-target` option or `-f` option is invalid. *Action* Specify the correct path name and then re-execute the command.
DRM-10019	An attempt at unmounting failed.	*Cause* An attempt to unmount the drive failed during execution of backup or restore processing. If KAVX5122-E or KAVX5123-E is displayed, the displayed result indicates the incorrect logical volume. *Action*

Message ID	Message Text	Description
		Check the Replication Manager Application Agent operating environment by using the following procedure: 1. Make sure that the RAID Manager instance that will communicate with the RAID Manager instance specified by the HORCMINST parameter of the RAID Manager linkage definition file (DEFAULT.dat) has already started. 2. Make sure that the instance number specified by the HORCMINST parameter of the RAID Manager linkage definition file (DEFAULT.dat) is appropriate. 3. Make sure that the RAID Manager configuration definition file (horcm*n*.conf) is correct. 4. If this message is displayed when a backup or restore operation is being performed for the primary volume, and the cluster software is Veritas Cluster Server for Windows, make sure that the cluster information registered by using the drmclusinit command has been set correctly. If there is no problem in the Replication Manager Application Agent operating environment, make sure that the following are true: • During the backup/restore processing on the primary volume, neither the mount operation nor the tape backup/restore operation was executed on the secondary volume. • No drive that is to be unmounted is being used. • The work directory used to execute the command is not on the drive that is to be unmounted. If the work directory exists on the drive to be unmounted, the drive cannot be unmounted. If the unmounting specification is correct, examine the system log and check whether there is any problem with the OS. See the notes on mounting, in the manual *Replication*

Message ID	Message Text	Description
		Manager Application Agent CLI User Guide.
DRM-10020	An attempt to generate a pair of the copy group failed.	*(For GUI)* *Cause* An attempt to generate a copy group pair failed while performing a backup or restoration. *Action* See the CCI log information, and remove the cause of the problem as described in the CCI manual, and then retry the operation. If the error occurs again, see the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured. *(For CLI)* *Cause* During backup or restore processing, the system failed to generate a pair of the copy group. If KAVX5120-E is displayed, the displayed result indicates the incorrect copy group. *Action* Refer to the RAID Manager log information and follow the directions in the RAID Manager manual to remove the error caused by the RAID Manager command failure, and then re-execute the Replication Manager Application Agent command. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following items in the manual *Replication Manager Application Agent CLI User Guide*: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI • Setting Up Operation of Application Agent • Setting Up Application Agent for Linkage with CCI

Message ID	Message Text	Description
DRM-10021	An attempt to resynchronize the pair of the copy group failed.	*(For GUI)* *Cause* An attempt to resynchronize a copy group pair failed while performing a backup or restoration. *Action* See the CCI log information, and remove the cause of the problem as described in the CCI manual, and then retry the operation. If the error occurs again, see the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured. *(For CLI)* *Cause* During backup or restore processing, the system failed to resynchronize the pair of the copy group. If KAVX5120-E is displayed, the displayed result indicates the incorrect copy group. *Action* Refer to the RAID Manager log information and follow the directions in the RAID Manager manual to remove the error caused by the RAID Manager command failure, and then re-execute the Replication Manager Application Agent command. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following items in the manual *Replication Manager Application Agent CLI User Guide*: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI • Setting Up Operation of Application Agent • Setting Up Application Agent for Linkage with CCI
DRM-10022	An attempt to split the pair of the copy group failed.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		An attempt to split a copy group pair failed while performing a backup or restoration. *Action* See the CCI log information, and remove the cause of the problem as described in the CCI manual, and then retry the operation. If the error occurs again, see the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured. *(For CLI)* *Cause* During backup or restore processing, the system failed to split the pair of the copy group. If KAVX5120-E is displayed, the displayed result indicates the incorrect copy group. *Action* Refer to the RAID Manager log information and follow the directions in the RAID Manager manual to remove the error caused by the RAID Manager command failure, and then re-execute the Replication Manager Application Agent command. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following items in the manual *Replication Manager Application Agent CLI User Guide*: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI • Setting Up Operation of Application Agent • Setting Up Application Agent for Linkage with CCI
DRM-10023	An attempt to reconfigure the drive information failed.	*Cause* During backup or restore processing, the system failed to reconfigure the logical volume manager's drive information. *Action*

Message ID	Message Text	Description
		If the message is displayed during the mount/unmount or tape backup/tape restore processing of the secondary volume, determine if a processing using the secondary volume or a processing using a disk group including the secondary volume exists. If the message is displayed during the backup or restore processing between volumes, examine the Replication Manager Application Agent operating environment by using the following procedure: 1. If the physical drive volume used in the backup or store processing belonged in the rootdg disk group. 2. If an error data on the logical volume manager was output in the trace log of the logical volume manager. If the physical drive belonged in the rootdg disk group, delete the physical drive subject to the backup or restore processing from the rootdg disk group.
DRM-10026	The status of the copy group could not be obtained.	*(For GUI)* *Cause* An attempt to obtain the status of a copy group pair failed while performing a backup or restoration. *Action* If the instance to be backed up is stopped, start the instance. See the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured. *(For CLI)* *Cause* During backup or restore processing, the system could not obtain the status of the copy group. If KAVX5120-E is displayed, the displayed result indicates the incorrect copy group. The status of the copy group cannot be obtained when: • The instance to be backed up has stopped. • The copy group containing the object to be backed up is managed by multiple RAID Manager instances.

Message ID	Message Text	Description
		Action Check the Replication Manager Application Agent operating environment by using the following procedure: 1. Make sure that the RAID Manager instance that will communicate with the RAID Manager instance specified by the HORCMINST parameter of the RAID Manager linkage definition file (DEFAULT.dat) has already started. 2. Make sure that the instance number specified by the HORCMINST parameter of the RAID Manager linkage definition file (DEFAULT.dat) is appropriate. 3. Make sure that the RAID Manager configuration definition file (horcm*n*.conf) is correct. When there is no problem in the operating environment of Replication Manager Application Agent check whether the setup of RAID Manager or definition file is correct. If the setup is correct, examine the log information of RAID Manager and check whether there is any problem. Depending on the reason that the pair status of the copy group cannot be obtained, take appropriate action from the following: • Start the instance if the instance to be backed up has stopped. • When the copy group containing the object to be backed up is managed by multiple RAID Manager instances, modify the contents of the definition file.
DRM-10027	Two or more logical drive exist on one physical drive.	*(For GUI)* *Cause* A backup cannot be performed because the physical drive contains multiple logical drives, one of which corresponds to the mount point directory of the backup. *Action* Change the volume configuration by using a logical volume manager. *(For CLI)*

Message ID	Message Text	Description
		Cause Backup cannot be performed because there are two or more logical drives on the physical drive that has the logical drive corresponding to the mount point directory to be backed up. *Action* Use a logical volume manager to change the volume configuration.
DRM-10028	The specified file or directory does not exist on the RAID device.	*(For GUI)* *Cause* The path of a file or directory specified for the backup does not exist on any RAID devices. *Action* Specify a path that exists on a RAID device, and then retry the operation. *(For CLI)* *Cause* The path name of a file or a directory that was specified with the `-target` option or `-f` option does not exist on the RAID device. *Action* Specify the path name on the RAID device and then re-execute the command.
DRM-10031	Two or more mount points exist in the same copy group.	*(For GUI)* *Cause* A backup cannot be performed because the physical drive contains multiple logical drives, one of which corresponds to the mount point directory of the backup. *Action* Use a logical volume manager to change the volume configuration to a configuration that can be backed up. *(For CLI)* *Cause* Backup cannot be performed because there are two or more logical drives on the physical drive that has the logical drive corresponding to the mount point directory to be backed up. *Action*

Message ID	Message Text	Description
		Use a logical volume manager to change the volume configuration to a configuration allowing backup.
DRM-10032	The specified file or directory is not backed up.	*(For GUI)* *Cause* The specified file or directory has not been backed up. *Action* Check the backed up file or directory, specify the correct path name, and then re-execute the restore operation. *(For CLI)* *Cause* A file or directory path name specified with the `-target` option or `-f` option at the time of execution of a restore command is invalid. *Action* Check the backup file or directory, specify a correct path name, and then re-execute the restore command.
DRM-10033	The path of the specified file or directory is invalid.	*(For GUI)* *Cause* The path of the specified file or directory is invalid. *Action* Check the backed up file or directory, specify the correct path name, and then re-execute the restore operation. *(For CLI)* *Cause* The path name of the file or directory specified with the `-target` option or `-f` option at the time of execution of a restore command was invalid. *Action* Check the specified file or directory for which backup was executed, and then re-execute the command.
DRM-10034	The file system associated with the specified instance is not mounted.	*Cause* The file system associated with the instance specified at the time of backup or restore processing was not mounted. *Action*

Message ID	Message Text	Description
		Mount the file system to be backed up or restored, and then re-execute the command.
DRM-10035	Primary volume(s) and secondary volume(s) are mixed in the same logical disk group.	*(For GUI)* *Cause* A logical disk group contains both primary and secondary volumes. This type of volume configuration cannot be backed up or restored. *Action* Place the primary volumes and secondary volumes in separate disk groups, and then re-execute the operation. *(For CLI)* *Cause* The primary volume(s) and the secondary volume(s) of the copy group are in one logical disk group. *Action* With this volume configuration, Replication Manager Application Agent cannot perform backup or restore processing. Separate the primary volumes and the secondary volumes into other disk groups, and then re-execute the command.
DRM-10036	The object specified to be backed up cannot determine the backup destination secondary volume.	*(For GUI)* *Cause* A copy group could not be identified during a backup. *Action* Using CCI, correctly define the copy group, and then retry the operation. *(For CLI)* *Cause* This message is output when the copy group cannot be determined for one of the following reasons during a backup: Possible causes are as follows: • When the cause in KAVX5124-E is DRM-10082 In the current configuration, no copy group is defined in the volume specified as the backup target. • When the cause in KAVX5124-E is DRM-10099

Message ID	Message Text	Description

		No available copy groups exist because the copy groups are locked.
		• When the cause in KAVX5124-E is DRM-10300
		No selectable copy group is defined. Alternatively, only copy groups of an unsupported copy type are defined.
		• When the cause in KAVX5124-E is DRM-10301
		The number of copy groups in the disk group differs for each physical drive.
		Action
		Depending on the cause, take appropriate action from the following:
		• When the cause in KAVX5124-E is DRM-10082
		Use RAID Manager to define a copy group, and then re-execute the command.
		• When the cause in KAVX5124-E is DRM-10099
		Execute the following command to check the copy group of the volume specified to be backed up, use the `drmcgctl` command to unlock the copy group, and then re-execute the command:
		- When the backup is of a file system:
		`drmfsdisplay -cf`
		- When the backup is of an SQL Server database:
		`drmsqldisplay -cf`
		- When the backup is of an Exchange database:
		`drmexgdisplay -cf`
		• When the cause in KAVX5124-E is DRM-10300
		Use RAID Manager to define a copy group, and then re-execute the command.
		Execute the following command to check whether the Replication Manager Application Agent supports the copy type, and then re-execute the command:

Message ID	Message Text	Description

		- When the backup is of a file system:
		`drmfsdisplay -cf`
		- When the backup is of an SQL Server database:
		`drmsqldisplay -cf`
		- When the backup is of an Exchange database:
		`drmexgdisplay -cf`
		• When the cause in KAVX5124-E is DRM-10301
		Use RAID Manager to define a copy group, and then re-execute the command.

DRM-10037	The name of mount point directory is too long.	*(For GUI)* *Cause* The name of the specified mount point directory exceeds 255 characters. *Action* Specify a mount point directory that is 255 characters or less. *(For CLI)* *Cause* The length of the specified mount-point-directory name exceeded 255 characters. *Action* This program can only handle mount-point-directory names of 255 or fewer characters.
DRM-10038	The name of disk group is too long.	*(For GUI)* *Cause* The name of the specified disk group exceeded 28 characters. *Action* For a disk group name, specify 28 characters or less. *(For CLI)* *Cause* The disk group name exceeds the maximum length. Specify the disk group name by using the maximum number of characters or fewer. *Action* The maximum number of characters of the disk group name is 28.

Message ID	Message Text	Description
DRM-10039	The secondary volumes to be processed are already mounted.	*(For GUI)* *Cause* Some information does not match between the Replication Manager server and Replication Manager Application Agent. *Action* Update host information, and then retry the operation. *(For CLI)* *Cause* An attempt was made to perform backup or restoration, but the secondary volumes to be backed up or restored are already mounted. *Action* Unmount all secondary volumes to be backed up or restored.
DRM-10040	The cluster resource could not be placed offline.	*(For GUI)* *Cause* In a cluster environment, a cluster resource could not be placed offline. *Action* Check whether there is a problem with the cluster software. *(For CLI)* *Cause* In a cluster environment, an attempt to place the cluster resource offline has failed. *Action* Make sure of the following: • If the cluster software is Veritas Cluster Server for Windows Check whether the cluster information registered by using the `drmclusinit` command is set correctly. If the OS is Windows Server 2003, check whether the startup type of the Windows Management Instrumentation service is Disabled. If it is Disabled, return it to Manual or Automatic, and then re-execute the command. • For all cluster software products

Message ID	Message Text	Description
		Make sure that there are no problems with the cluster software. If there is no problem, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center.
DRM-10041	The cluster resource could not be placed online.	*(For GUI)* *Cause* In a cluster environment, a cluster resource could not be placed offline. *Action* Check whether there is a problem with the cluster software. *(For CLI)* *Cause* In a cluster environment, an attempt to place the cluster resource online has failed. *Action* Make sure of the following: • When this message is displayed with KAVX5137-E Refer to the cause and action of KAVX5137-E. • If the cluster software is Veritas Cluster Server for Windows Check whether the cluster information registered by using the `drmclusinit` command is set correctly. • For all cluster software products Make sure that there are no problems with the cluster software. If there is no problem, refer to the troubleshooting explanation in the manual*Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center.
DRM-10042	An attempt to execute the chkdsk command on the primary volume(s) failed.	*(For GUI)* *Cause* In a cluster environment, an attempt to execute the `chkdsk` operation on the primary volumes has failed. *Action*

Message ID	Message Text	Description
		See the system log, and check whether a problem has occurred. *(For CLI)* *Cause* In a cluster environment, an attempt to execute the `chkdsk` command on the primary volume(s) failed. *Action* Check the system logs to confirm whether a problem exists. If there is no problem, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center.
DRM-10043	An attempt to obtain the cluster information failed.	*(For GUI)* *Cause* An attempt to check whether the specified mount point exists on a cluster server failed. *Action* Check whether there is a problem with the cluster software. *(For CLI)* *Cause* An attempt to check whether the specified mount point exists on the cluster server failed. *Action* Make sure that there are no problems with the cluster software. If there is no problem, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center.
DRM-10045	A cluster volume and a non-cluster volume exist in the same logical disk group.	*(For GUI)* *Cause* A logical disk group contains both cluster volumes and non-cluster volumes. A resynchronize restoration cannot be performed in this configuration. *Action* Unify all of the volumes in the logical disk group as either cluster volumes or

Message ID	Message Text	Description
		non-cluster volumes, and then retry the operation. *(For CLI)* *Cause* Within one logical disk group, volumes being managed by the cluster server are mixed with those that are not. Resynchronized restoration cannot be performed under this configuration. *Action* Decide whether all volumes existing in the logical disk group are to be managed by the cluster server of not, and execute the command.
DRM-10047	An attempt to perform the resynchronize restoration failed.	*(For GUI)* *Cause* The files to be restored are insufficient. *Action* Add restoration targets so that all files are subject to restoration. *(For CLI)* *Cause* When the files to be restored were specified, some of the files to be backed up were not specified. *Action* If the KAVX5125-E message is displayed, unspecified file names and their disk group names are contained in the displayed result. The disk group names are displayed in the environment where the logical volume manager is installed. In the basic disk configuration, – is displayed for a disk group name. Specify all the files that were backed up when you specify the files to be restored, and then re-execute the command.
DRM-10049	An attempt to synchronize the file system failed.	*(For GUI)* *Cause* This might be due to the following: If the DRM-10302 message is displayed at the same time, an attempt to obtain the volume name based on the mount point name has failed.

Message ID	Message Text	Description
		If the DRM-10303 message is displayed at the same time, an attempt to flush the relay buffer for the file system has failed. If the DRM-10304 message is displayed at the same time, an attempt to open the logical volume for performing a flush has failed. *Action* Check the system logs, and make sure that no abnormal messages are output for the target file system. If the problem persists, contact the Support Center. *(For CLI)* *Cause* Examine the system log and check whether error messages have been output for the file system. • When the cause in KAVX5126-E is DRM-10302: Processing to obtain the volume name based on the mount point name has failed. • When the cause in KAVX5126-E is DRM-10303: An attempt to flush the intermediate buffer of the file system has failed. • When the cause in KAVX5126-E is DRM-10304: An attempt to flush the intermediate buffer has failed. *Action* Examine the system log, check whether error messages have been output for the file system, and then remove the cause of the error.
DRM-10050	The specified mount point is already mounted.	*(For GUI)* *Cause* A resynchronization or restoration is being performed for a cluster directory that was mounted manually. *Action* Unmount the mount point that is the restoration target. *(For CLI)* *Cause*

Message ID	Message Text	Description
		Because a file system managed as a cluster resource by the cluster software has already been mounted, restoration by resynchronization cannot be performed. *Action* To perform restoration by drive resynchronization in a cluster environment, unmount the file system you want to restore, and then re-execute the command.
DRM-10052	An attempt to start RAID Manager failed.	*(For GUI)* *Cause* An attempt to start CCI has failed. *Action* Check the settings for the RAID management software. If the settings are correct, check the log information for the RAID management software, and make sure that there are no problems. If the problem cannot be determined, contact the Support Center. *(For CLI)* *Cause* An instance of RAID Manager could not be started. If KAVX5127-E is displayed, the displayed result indicates the number of the instance that could not be started. If the displayed instance number is –, an incorrect instance number was specified in the `HORCMINST` parameter of the RAID Manager linkage definition file (`DEFAULT.dat`). *Action* Check the Replication Manager Application Agent operating environment by using the following procedure: 1. Make sure that the RAID Manager instance that will communicate with the RAID Manager instance specified by the `HORCMINST` parameter of the RAID Manager linkage definition file (`DEFAULT.dat`) has already started.

Message ID	Message Text	Description
		2. Make sure that the instance number specified by the HORCMINST or HORCMINST_AUX parameter of the RAID Manager linkage definition file (DEFAULT.dat) is appropriate. 3. If the environment variable DRM_HORCMINST or DRM_HORCMINST_AUX is specified, make sure that the instance number set to the environment variable is also specified for either HORCMINST or HORCMINST_AUX parameter in the RAID Manager linkage definition file (DEFAULT.dat). 4. Make sure that the RAID Manager configuration definition file (horcm*n*.conf) is correct. When there is no problem in the Replication Manager Application Agent operating environment, examine the RAID Manager trace log and configuration definition files, and check whether the configuration definitions are correct.
DRM-10053	An attempt to stop RAID Manager failed.	*(For GUI)* *Cause* An attempt to stop CCI has failed. *Action* Check the settings for the RAID management software. If the settings are correct, check the log information for the RAID management software, and make sure that there are no problems. If the problem cannot be determined, contact the Support Center. *(For CLI)* *Cause* An instance of RAID Manager could not be stopped. *Action* If KAVX5127-E is displayed, the displayed result indicates the number of the instance that could not be stopped. Examine the RAID Manager trace log and check whether there is any problem.

Message ID	Message Text	Description
DRM-10054	The path configuration for the primary volume(s) and secondary volume(s) is invalid.	*(For GUI)* *Cause* Many secondary volume physical paths have been set for the primary volume, for a multi-path configuration. *Action* Set the number of secondary volume physical paths to be less than or equal to the number of primary volume physical paths set. *(For CLI)* *Cause* This message is output when, in a multi-path configuration of the logical volume manager, the number of physical paths specified for the secondary volume(s) is greater than that of the primary volume(s). *Action* Set the physical paths for the secondary volume(s) in such a manner that they are equal to less than the number of physical paths for the primary volume(s).
DRM-10055	An attempt to restore the volume group information failed.	*(For GUI)* *Cause* An attempt to recover volume group information has failed. *Action* Re-register the volume group information on the backup server. *(For CLI)* *Cause* This message is output when the volume group information in the logical volume manager cannot be restored. The volume group cannot be recognized from the backup server because the management information about the volume group in the logical volume manager is rewritten. *Action* Use the logical volume manager on the backup server to register the management information about the volume group.
DRM-10058	The system detected the same copy group(s).	*(For GUI)* *Cause*

Message ID	Message Text	Description
		The same copy group is specified in the CCI configuration definition file, on different instances. *Action* Make sure that CCI copy group names are unique. If they overlap, change the CCI settings so that the copy group names are unique, and then restart. *(For CLI)* *Cause* This message is output when different instances describe the same copy group name in the RAID Manager configuration definition file. *Action* Check whether the same copy group is configured in RAID Manager. If the same copy group exists, change the RAID Manager settings so as not to configure the same copy group, and then restart RAID Manager.
DRM-10059	An error occurred in the processing of the definition file (DEFAULT.dat) to link with the RAID management software.	*(For GUI)* *Cause* A product was not properly installed on a Windows system, or the files related to CCI and used by Replication Manager Application Agent do not exist, or contain invalid contents. *Action* Make sure that the files related to CCI and used by Replication Manager Application Agent exist. If the files do not exist, uninstall and then re-install Replication Manager Application Agent. If the files exist, make sure that their contents are valid, and then retry the operation. If the problem cannot be resolved, contact the Support Center. *(For CLI)* *Cause* This message is output when the product has not been installed correctly and the RAID Manager linkage definition file (`DEFAULT.dat`) was not found, or when there is an incorrect description in the RAID Manager linkage definition file (`DEFAULT.dat`). *Action* Check whether the RAID Manager linkage definition file (`DEFAULT.dat`)

Message ID	Message Text	Description
		exists. If it does not exist, copy the DEFAULT.dat.model file (which should exist in the same directory as the one that should contain the DEFAULT.dat file) as DEFAULT.dat, and then correct the contents of the file. If the DEFAULT.dat.model file also does not exist, uninstall Replication Manager Application Agent and then reinstall it. If the RAID Manager linkage definition file (DEFAULT.dat) exists, check the contents of the file and try to access the file again. If the same error occurs, contact your support center.
DRM-10061	The target copy group is managed by a different RAID Manager instance.	*(For GUI)* *Cause* The target copy group is managed by a different instance. *Action* The target copy group needs to be managed by a single instance of CCI. Make sure that the CCI settings are correct, and set for the correct instance, and then execute the command again. *(For CLI)* *Cause* The copy group to be backed up or restored needs to be managed in one RAID Manager instance. *Action* Check whether the setup of RAID Manager is correct, set up the correct instance, and then re-execute the command.
DRM-10062	Two or more logical drive exist under the target mount point.	*(For GUI)* *Cause* A directory within the target mount point contains a mount point corresponding to another logical drive. *Action* Processing cannot continue, because a directory within the mount point of the processing target contains a mount point corresponding to another logical drive. Check the volume configuration. *(For CLI)* *Cause*

Message ID	Message Text	Description
		The mount point directory contains a mount point that corresponds to another logical drive. *Action* Check the volume configuration. If KAVX5132-E is displayed, the displayed mount point is the highest-order mount point where the error occurred. For example, when an error occurs in the following cases: If two mount points (`E:` and `E:\mnt`) exist, you cannot specify mount point `E:`. Change the configuration of the volumes to be backed up.
DRM-10063	A secondary volume is being managed by the primary volume's host.	*(For GUI)* *Cause* Both the primary volume and secondary volume of a copy group are managed as volumes on the host on which the command was executed. *Action* Processing cannot continue, because both the primary volume and secondary volume of a copy group are managed as volumes on the host on which the command was executed. *(For CLI)* *Cause* The primary and secondary volumes of the copy group are managed by the same command executing host. *Action* Assign separate command executing hosts to the primary and secondary volumes, and then execute the command.
DRM-10064	Two or more mount points exist on one physical drive.	*(For GUI)* *Cause* The physical drive mounted to the target mount point is mounted to another mount point. *Action* Processing cannot continue, because another mount point exists in the volume mounted to the mount point of the processing target. Check the volume configuration. *(For CLI)*

Message ID	Message Text	Description
		Cause The mount point drive is mounted at another mount point. *Action* Check the volume configuration.
DRM-10065	The target volume's ldev or serial number is inconsistent between the backup information and the current configuration.	*(For GUI)* *Cause* The LDEV number or serial number of the processing target volume, as registered as backup information, is not consistent with the current configuration. *Action* Processing cannot continue, because the LDEV number or serial number of the processing target volume, which was registered as backup information, is not consistent with the current configuration. Make sure that the volume configuration has not changed since backup. Check the volume configuration during backup, and use the CCI commands to check the current volume configuration. *(For CLI)* *Cause* The current configuration does not indicate the logical device or serial number of the volume subject to backup information processing. If KAVX5128-E is displayed, the displayed result indicates the LDEV number and the SERIAL number of the processing target volume registered in the backup catalog. The disk group name is displayed in the environment where logical volume manager is installed. In the basic disk configuration, – is displayed for a disk group name. *Action* Make sure that there is no change to the volume configuration during backup processing with the following procedure: 1. Execute one of the following commands specifying the `-l` option, and then check the volume configuration at the time of the backup: - When the backup is of a file system:

Message ID	Message Text	Description
		`drmfscat` command - When the backup is of an SQL Server database: `drmsqlcat` command - When the backup is of an Exchange database: `drmexgcat` command 2. Check the current volume configuration by using a method such as a RAID Manager command. If you are executing the restore operation forcibly, such as when the logical device number is changed by replacing a volume, execute the command with the `-force` option specified.
DRM-10066	The character string of the target mount point exceeds the maximum number of characters.	*(For GUI)* *Cause* The name for the mount point directory to be processed exceeds the maximum length. *Action* Processing cannot continue, because the name for the mount point directory to be processed exceeds the maximum length. Check the length of the string for the mount point directory name. *(For CLI)* *Cause* Processing cannot continue, because the name of the target mount point directory is too long. *Action* Check the length (number of characters) of the mount point directory name.
DRM-10067	The name of the target logical volume is too long.	*(For GUI)* *Cause* The name of the logical volume to be processed is too long. *Action* Processing cannot continue, because the name of the logical volume to be processed exceeds the maximum length. Check the length of the string for the logical volume name. *(For CLI)*

Message ID	Message Text	Description
		Cause Processing cannot continue, because the logical volume name to be processed is too long. *Action* Check the length (number of characters) of the logical volume name. The maximum number of characters for the logical volume name is the maximum number of characters that can be specified in the OS.
DRM-10069	An attempt to acquire copy group information has failed.	*(For GUI)* *Cause* An attempt to acquire copy group information by using RAID management software failed. *Action* Check the RAID management software settings. If the settings are correct, see the RAID management software log information, and check whether there is a problem. If no problem exists, contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to acquire copy group information by using the RAID Manager command fails. *Action* Refer to the RAID Manager log information and follow the directions in the RAID Manager manual to remove the error caused by the RAID Manager command failure, and then re-execute the Replication Manager Application Agent command. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following items in the manual *Replication Manager Application Agent CLI User Guide*: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI

Message ID	Message Text	Description
		• Setting Up Operation of Application Agent • Setting Up Application Agent for Linkage with CCI
DRM-10070	A copy group for which a pair was not generated was specified when the dictionary map file was updated.	*(For GUI)* *Cause* A copy group with the Simplex pair status was backed up or resynchronized when a file used by Replication Manager Application Agent was updated. *Action* Perform pair generation for the target copy group, and then update the host information. *(For CLI)* *Cause* This message is output when the copy group whose pair status is SMPL is backed up or resynchronized while the dictionary map file is being updated. *Action* Use the RAID Manager `pairresync` command to change the pair status to PAIR, and then update the dictionary map file.
DRM-10071	The pair status has been changed to the SMPL mode.	*(For GUI)* *Cause* A copy group with the Simplex pair status was backed up or restored without an appropriate parameter specified for a file used by Replication Manager Application Agent. *Action* Either delete the definition of the target pair logical volumes from the CCI configuration definition file and files used by Replication Manager Application Agent, or specify the `PAIR_CREATE=ENABLE` parameter in the configuration definition file and files used by Replication Manager Application Agent. *(For CLI)* *Cause* This message is output when backup or resynchronization is performed for a copy group whose pair status is SMPL, without the `PAIR_CREATE=ENABLE` parameter being set in the RAID

Message ID	Message Text	Description
		Manager linkage definition file (`DEFAULT.dat`). *Action* Perform one of the following operations: • Delete the target pair logical volume definition from the RAID Manager configuration definition file (`horcm`*n*`.conf`). • Update the dictionary map file with the `PAIR_CREATE=ENABLE` parameter set in the RAID Manager linkage definition file (`DEFAULT.dat`). • Use the following operation to lock and remove the copy group from operations: `drmcgctl -copy_group` *copy-group-name* `-mode lock`
DRM-10073	The volume replication function of the specified copy group is not supported.	*(For GUI)* *Cause* A paired volume (a copy group) with an unsupported copy type has been specified in a command. *Action* The specified copy group uses an unsupported volume replication function. A paired volume with a copy type of Hi-Copy / Cross-system copy cannot be specified in a command. Check the copy type of the copy group. *(For CLI)* *Cause* The copy group is using a volume replication function that is not supported by Replication Manager Application Agent. The copy type cannot be used for pair volumes of Hi-Copy / Cross-system Copy. *Action* Check the copy type of the copy group specified. If KAVX5120-E is displayed, the displayed result indicates the incorrect copy group.
DRM-10074	The target volume is protected.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		A command is executing for a protected target volume. *Action* Check the volume access attribute of the RAID management software, change the access permissions, and then re-execute the command. *(For CLI)* *Cause* This message is output when a command is executed with the data protection status set in the target volume. *Action* Check the access attribute of the volume by using the RAID Manager command, and then re-execute the command after canceling access restrictions.
DRM-10075	The target copy group was not found.	*(For GUI)* *Cause* The target copy group does not exist in the current configuration. *Action* • If VSS is being used, check the instance number set for the `VSHTCHORCMINST_REMOTE` system environment variable. • Make sure the target copy group is defined in the CCI configuration definition file (`horcm`*n*`.conf`). • Make sure that the instance number has been defined for the CCI configuration definition file (`horcm`*n*`.conf`) that contains the copy group specified in the `HORCMINST` parameter in the CCI linkage definition file (`DEFAULT.dat`). *(For CLI)* *Cause* This message is output when the target copy group does not exist in the current configuration. *Action* Perform one of the following operations: • When the VSS functionality is being used, check the RAID Manager instance number

Message ID	Message Text	Description
		specified in the system environment variable VSHTCHORCMINST_REMOTE. • Make sure that the target copy group has been defined in the RAID Manager settings. • Check whether the instance number of the RAID Manager configuration definition file (horcm*n*.conf) where the target copy group is written is defined in the HORCMINST parameter of the RAID Manager configuration definition file (DEFAULT.dat).
DRM-10076	An error occurred in the execution of a RAID management software command.	*(For GUI)* *Cause* An error occurred while a CCI command was being executed. *Action* Check the RAID management software settings. If the settings are correct, see the RAID management software log information, and check whether a problem has occurred. *(For CLI)* *Cause* This message is output if an error occurs when a RAID Manager command is being executed. *Action* Refer to the RAID Manager log, and check whether there are any problems.
DRM-10077	RAID management software has not been started.	*(For GUI)* *Cause* The target CCI instance is stopped. *Action* Check the RAID management software settings. If the settings are correct, see the RAID management software log information, and check whether a problem has occurred. *(For CLI)* *Cause* This message is displayed when the target RAID Manager instance has stopped. *Action*

Message ID	Message Text	Description
		Perform either of the following operations: • Start the RAID Manager instance if the target RAID Manager instance has stopped. • Start the RAID Manager instance if the RAID Manager instance has stopped on the database server. If the RAID Manager instance cannot be started, refer to the RAID Manager log and check whether there are any problems.
DRM-10080	The volume to be processed as the primary volume is the secondary volume.	*(For GUI)* *Cause* The local volume of the processing target copy group was changed to the secondary volume when a file used by Replication Manager Application Agent was updated. *Action* Change the local volume to the primary volume. *(For CLI)* *Cause* This message is displayed when a local volume in the target copy group has been changed to the secondary volume after updating the dictionary map file. *Action* To set the target volume to the primary volume, see the manual *Replication Manager Application Agent CLI User Guide*.
DRM-10081	Copy groups that used different volume replication functions cannot be specified at the same time.	*Cause* This message is output when the copy group using the volume replication function within the storage system and the copy group using the volume replication function between storage systems are specified at the same time. *Action* Correct the settings so that copy types of the copy group described in the copy-group list file are not simultaneously specified, and then re-execute the command. To check the copy type, use the following command:

Message ID	Message Text	Description

		• When the resynchronization is of a file system:
		`drmfsdisplay -cf`
		• When the resynchronization is of an SQL Server database:
		`drmsqldisplay -cf`
		• When the resynchronization is of an Exchange database:
		`drmexgdisplay -cf`

DRM-10082	The specified generation identification name is invalid.	*(For GUI)*
		Cause
		There is no copy group with the specified target generation name (generation ID).
		Action
		Check the target generation name (generation ID), and then retry the operation.
		(For CLI)
		Cause
		The copy group with the specified generation identifier does not exist.
		Action
		Check the generation identifier by executing the following commands, and then re-execute the command:
		• When a file system is to be backed up:
		`drmfsdisplay -cf`
		• When an SQL Server database is to be backed up:
		`drmsqldisplay -cf`
		• When an Exchange database is to be backed up:
		`drmexgdisplay -cf`

DRM-10083	An error occurred during preparatory processing that is required for linkage with RAID management software.	*(For GUI)* *Cause* An error occurred during load processing for a file used by Replication Manager Application Agent. *Action* Perform one of the following: 1. If this message is output at the same time as the KAVX5100-E message, make sure that none of the files used by Replication

Message ID	Message Text	Description
		Manager Application Agent are missing. 2. If this message is output at the same time as the KAVX5102-E message, check the contents of the related files used by Replication Manager Application Agent, specify the `output` parameters, and execute the command again. *(For CLI)* *Cause* An error occurred during processing to read the RAID Manager linkage definition file or the copy parameter definition file. Possible causes are as follows: • When KAVX5100-E is output at the same time The copy parameter definition file name that was specified in the `-pf` option is either incorrect or does not exist. • When KAVX5102-E is output at the same time The parameter that was output to the RAID Manager linkage definition file (`DEFAULT.dat`) is not specified. *Action* Depending on the cause, take appropriate action from the following: • When KAVX5100-E is output at the same time Check whether the copy parameter definition file specified in the `-pf` option exists, specify the correct copy parameter definition file name, and then re-execute the command. • When KAVX5102-E is output at the same time Check the contents of the RAID Manager linkage definition file (`DEFAULT.dat`), write the `output` parameter, and then re-execute the command.
DRM-10084	An error occurred during copy group selection.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		An error occurred for copy group selection during backup. *Action* Resolve the cause of the error according to the countermeasures for the previously output message, and then execute the command again. *(For CLI)* *Cause* An error occurred with the selection of the copy group when backup was executed. *Action* Refer to the instructions of the previously output message to resolve the cause of the error, and then re-execute the command.
DRM-10085	An internal error occurred during registry information definition file processing.	*(For GUI)* *Cause* An attempt to load a file used by Replication Manager Application Agent has failed, or the file is corrupted or has been altered. *Action* Re-install Replication Manager Application Agent. If recovery is not performed, check the contents given for troubleshooting in the product manual, collect the appropriate materials, and then contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • An attempt to read an internal file (registry information definition file) failed. • The internal file (registry information definition file) was illegally destroyed or altered. *Action* Re-install Replication Manager Application Agent. If the status does not recover, see the descriptions about trouble shooting in the manual *Replication Manager Application Agent CLI User Guide*, collect the relevant information, and then contact your support center.

Message ID	Message Text	Description
DRM-10086	Failed to read the registry in order to acquire information on the software to be linked.	*(For GUI)* *Cause* An attempt to load a registry for obtaining linked software information has failed. *Action* Make sure that the linked software product is installed correctly. Re-install the OS if a problem is found with the registry. *(For CLI)* *Cause* An attempt to read the registry for acquiring linkage software information has failed. *Action* Check whether the software product that links to Replication Manager Application Agent has been installed properly. If a registry problem is found, reinstall the OS.
DRM-10087	Detected multiple installation paths for the software to be linked.	*(For GUI)* *Cause* Multiple installation paths of different versions were found for the linked software. *Action* A product with a different version might have been installed for the linked software. Check the currently installed product, and if multiple versions exist, uninstall the unused versions. Re-install the OS if a problem is found in the registry. *(For CLI)* *Cause* Two or more installation paths with different versions were detected in the software that links to Replication Manager Application Agent. Software products that link to Replication Manager Application Agent might have different versions installed. *Action* Check the versions of the products currently installed. If multiple versions exist, uninstall the unused version.

Message ID	Message Text	Description
		If a registry problem is found, reinstall the OS.
DRM-10088	An attempt to deport the disk group has failed.	*(For GUI)* *Cause* An attempt to deport a disk group created by the logical volume manager has failed. *Action* Use the logical volume manager to check the status of the disk group. If the disk group status cannot be confirmed to be normal, re-create the disk group. Once the disk group malfunction has been resolved, use the logical volume manager to import the disk group, and mount the logical volume again. When this is displayed during backup or restoration, and VERITAS Cluster Server for Windows is used as the cluster product, make sure that the cluster information does not contain any errors. *(For CLI)* *Cause* This message is displayed when an attempt to deport a disk group managed by VxVM fails. If KAVX5131-E is displayed, the displayed result indicates the incorrect disk group. *Action* Check the status of the disk group by using the logical volume manager. If the status of the disk group cannot be confirmed as normal, re-create the disk group. Correct any disk group problems, import the disk group by using the logical volume manager, and then remount the logical volume. If this message is displayed during a backup or restore operation, and the cluster software is Veritas Cluster Server for Windows, make sure that the cluster information registered by using the `drmclusinit` command is correct.
DRM-10089	An attempt to import the disk group has failed.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		An attempt to import a disk group created by the logical volume manager has failed. *Action* Use the logical volume manager to check the status of the disk group. If the disk group status cannot be confirmed to be normal, re-create the disk group. Once the disk group malfunction has been resolved, use the logical volume manager to import the disk group, and mount the logical volume again. *(For CLI)* *Cause* This message is displayed when an attempt to deport a disk group managed by VxVM fails. If KAVX5131-E is displayed, the displayed result indicates the incorrect disk group. *Action* Check the status of the disk group by using the logical volume manager. If the status of the disk group cannot be confirmed as normal, re-create the disk group. Correct any disk group problems, import the disk group by using the logical volume manager, and then remount the logical volume.
DRM-10090	An attempt to acquire the logical volume from the physical drive has failed.	*(For GUI)* *Cause* An attempt to obtain logical volume information has failed. *Action* Use the logical volume manager to check that the logical volume is defined properly on the physical drive. If the logical volume cannot be confirmed to be normal, delete, re-create, and then mount the logical volume. *(For CLI)* *Cause* An attempt was made to acquire logical volume information by using the API of the OS from the physical drive, but it could not be acquired.

Message ID	Message Text	Description
		If KAVX5130-E is displayed, the displayed result indicates the incorrect disk group. *Action* Use the logical volume manager to check whether the logical volume has been correctly defined on the physical drive. If the logical volume cannot be confirmed as normal, delete the logical volume, and then re-create and mount it.
DRM-10091	An attempt to rescan the physical drive has failed.	*(For GUI)* *Cause* An attempt to rescan for physical drive information has failed. *Action* Make sure that Veritas Volume Manager or Logical Device Manager is running properly. If it cannot be confirmed to be running properly, re-install Veritas Volume Manager or the Windows OS. *(For CLI)* *Cause* This message appears when an attempt to rescan physical drive information fails. *Action* Confirm that VxVM is running normally. If confirmation is not possible, reinstall VxVM.
DRM-10097	An attempt to execute the "diskpart" command has failed.	*(For GUI)* *Cause* The `diskpart` command has failed. *Action* Check the system logs, resolve the cause of the `diskpart` failure, and then retry the operation. *(For CLI)* *Cause* This message is output when an attempt to execute the `diskpart` command fails. *Action* Verify the contents of the system log, remove the cause of the unsuccessful

Message ID	Message Text	Description
		`diskpart` command execution, and then re-execute the command.
DRM-10098	No specified copy group exists in the current configuration.	*(For GUI)* *Cause* A copy group from replica creation did not exist during restoration. *Action* Check the detailed message output after this message, and act accordingly. *(For CLI)* *Cause* This message is output if the copy group in the backup catalog does not exist in the current configuration. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
DRM-10099	An optional generation of the copy group cannot be specified.	*(For GUI)* *Cause* No available copy group exists, because the copy groups are locked. *Action* Check the detailed message output after this message, and act accordingly. *(For CLI)* *Cause* This message is output when no usable copy group exists because copy groups are locked. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
DRM-10100	The maximum number of files that the OS can open at one time was exceeded.	*(For GUI)* *Cause* The maximum number of files that can be opened on a system has been reached. *Action*

Message ID	Message Text	Description
		Redefine the OS kernel parameter, and increase the number of files that can be opened by the system. *(For CLI)* *Cause* An attempt was made to open files that exceeded the maximum number that can be opened in the system. *Action* Redefine the OS kernel parameter to increase the maximum number of files that can be opened in the system.
DRM-10101	The dictionary map file is corrupted.	*(For GUI)* *Cause* A file used by Replication Manager Application Agent has been damaged. *Action* Update the host information, and then retry the operation. *(For CLI)* *Cause* The dictionary map file is corrupted. *Action* Use the `drmdbsetup` utility to re-create the dictionary map file.
DRM-10102	The target record is locked.	*(For GUI)* *Cause* A record could not be updated during database update, because it was locked. *Action* Wait a while, and then retry the operation. If the error persists after re-execution, contact the Support Center. *(For CLI)* *Cause* A record to be updated was locked when the attempt was made to update the dictionary map file, so it has not updated. *Action* Wait a while, and then re-execute the command.
DRM-10103	The target file is locked.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		A file could not be updated during a dictionary map file update, because it was locked. *Action* Wait a while, and then retry the operation. If the error persists after re-execution, contact the Support Center. *(For CLI)* *Cause* The file to be updated was locked when the attempt was made to update the dictionary map file, so it has not updated. *Action* Wait a while, and then re-execute the command.

DRM-10104	No target record exists.	*(For GUI)*
		Cause
		A target record could not be viewed, because it does not exist.
		Action
		Make sure that the correct value is specified for the Application Agent setting.
		If the information is correct, update the host information. If the error persists after re-execution, contact the Support Center.
		(For CLI)
		Cause
		A record to be referenced did not exist when the attempt was made to reference the dictionary map file, so it was not referenced.
		Action
		Refresh the contents of the dictionary map file by using following command. Execute the command as follows.
		• When the backup is of a file system:
		`drmfsdisplay -refresh`
		• When the backup is of an SQL Server database:
		`drmsqldisplay -refresh`
		• When the backup is of an Exchange database:
		`drmexgdisplay -refresh`

Message ID	Message Text	Description
DRM-10105	Memory is insufficient.	*(For GUI)* *Cause* Memory was insufficient when the operation was executed. *Action* Increase the amount of memory, and execute the command again. *(For CLI)* *Cause* Memory became insufficient when the command was executed. *Action* Increase available memory, and then re-execute the command.
DRM-10106	An internal error occurred.	*(For GUI)* *Cause* An unknown internal error occurred while internal processing was executing, when a system call was used. *Action* Check the troubleshooting items given in the product manual, collect the appropriate materials, and then contact the Support Center. The product needs to be uninstalled and then re-installed for recovery. *(For CLI)* *Cause* During internal processing, an unknown internal error occurred when a system call was used. *Action* Refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center. This message might be output if any of the following commands are executed while a backup operation is running: `drmfscat`, `drmsqlcat`, `drmexgcat`, `drmoracat`, or `drmappcat`. If this happens, wait for the backup command to end, and then re-execute the above command.
DRM-10107	The dictionary map file already exists.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		A file is already being used by Replication Manager Application Agent. *Action* Update the host information. If the error persists after re-execution, contact the Support Center. *(For CLI)* *Cause* This message is output if the dictionary map file created during the previous installation still exists when you attempt to create a new dictionary map file in the specified directory by using the `drmdbsetup` utility. *Action* Delete the dictionary map file in the specified directory, and then re-create the dictionary map file by using the `drmdbsetup` utility.
DRM-10108	The dictionary map file cannot be found.	*(For GUI)* *Cause* A file used by Replication Manager Application Agent does not exist. *Action* Make sure that the correct value is specified for the Application Agent setting, and complete the settings. If the error persists after re-execution, contact the Support Center. *(For CLI)* *Cause* This message is output when the dictionary map file was deleted for some reason or the storage directory for a dictionary map file does not exist. *Action* Check the `DRM_HOSTNAME` environment variable and the contents of the `init.conf` environment settings file. Also, create a storage directory for a dictionary map file, and then use the `drmdbsetup` utility to create a dictionary map file.
DRM-10109	Drive space is insufficient.	*(For GUI)* *Cause* Unused drive capacity was insufficient when the operation was executed.

Message ID	Message Text	Description
		Action Secure more drive capacity, and then retry the operation. *(For CLI)* *Cause* Unused drive capacity was insufficient when the command was executed. *Action* Increase available drive capacity, and then re-execute the command.
DRM-10110	You do not have access permission.	*(For GUI)* *Cause* A general user or a user without the proper permissions attempted to perform an operation. *Action* Check the permissions, and then retry the operation. *(For CLI)* *Cause* The user is not authorized to execute the command. *Action* Re-execute the command with system administrator permissions.
DRM-10111	The specified copy group is already locked.	*(For GUI)* *Cause* The copy group specified to be locked was already locked. *Action* No action is required. *(For CLI)* *Cause* The system tried to lock the specified copy group, but it was already locked. *Action* If this message is displayed during execution of the `drmmount` command, check the following: 1. Whether execution of the `drmmount` command has completed for the same backup ID. 2. Whether a completed `drmmount` command contains a copy group

Message ID	Message Text	Description
		that includes a backup ID specified in a drmmount command for which an error was output. Depending on the cause, take appropriate action from the following: 1. Execute the drmumount command for the backup ID from which this error occurred, and then re-execute the drmmount command. 2. From a drmmount command that completed execution, find the item containing the copy group that includes the backup ID specified in the drmmount command for which an error was output. Execute the drmumount command with the corresponding backup ID, and then re-execute the drmmount command.
DRM-10112	The specified copy group is not locked.	*(For GUI)* *Cause* An attempt was made to unlock a copy group that was not locked. *Action* No action is required. *(For CLI)* *Cause* The system tried to unlock the copy group, but it was not locked. *Action* No action is required.
DRM-10113	No usable copy group exists.	*(For GUI)* *Cause* No usable copy groups existed during backup, because all copy groups were locked. *Action* Unlock a copy group, and then execute the backup command again. *(For CLI)* *Cause* Since all the copy groups were locked at the time of executing backup, a usable copy group did not exist. *Action* Unlock a copy group and then re-execute the backup command.

Message ID	Message Text	Description
DRM-10114	A system error occurred during operation on a temporary file.	*(For GUI)* *Cause* A system error occurred during an operation on a temporary file executed by a command. *Action* Make sure that there is enough free memory and unused drive capacity. If there is enough, see the system log, and make sure there are no problems with the OS. If you cannot identify the cause of the error, contact the Support Center. *(For CLI)* *Cause* A system error occurred during operation on a temporary file. *Action* Check that memory and unused drive capacity are sufficient. If they are, check the system log and confirm that no problems exist in the OS. This message might be output if any of the following commands are executed during a backup command is running: `drmfscat`, `drmsqlcat`, `drmexgcat`, `drmoracat`, or `drmappcat`. In this case, wait for the backup command to end, and then re-execute the above command.
DRM-10115	The backup data is already locked.	*(For GUI)* *Cause* An attempt was made to create a replica for a locked copy group. *Action* Make sure that the replicas of target hosts are not mounted before creating a replica or acquiring replica information. If a replica is mounted, unmount it, and then create the replica or acquire the replica information. *(For CLI)* *Cause* The user attempted to execute a command on a locked copy group. *Action*

Message ID	Message Text	Description
		Unlock the target copy group before the command is executed.
DRM-10116	The dictionary map file is incorrect, but you lack permission to restore it.	*(For GUI)* *Cause* A file used by Replication Manager Application Agent is corrupted for some reason. An attempt to recover the file failed because the operation was performed with general user permissions, which do not contain the permissions necessary to perform the operation. *Action* Grant system administrator permissions to the user who manages Replication Manager Application Agent services, and then retry the operation. *(For CLI)* *Cause* The user tried to execute a command to restore a corrupted dictionary map file, but the user had general user permissions only. *Action* Obtain system administrator permissions, and then re-execute the command to update the dictionary map file.
DRM-10117	The backup ID for the backup to the tape could not be specified.	*Cause* This message is output when you attempt to lock a copy group by using the `drmcgctl` command for the backup ID to be displayed by the `drmtapecat` command. *Action* Specify the backup ID contained in any of the following commands as the backup ID to be specified in the `drmcgctl` command: • When the backup is of a file system: `drmfscat` command • When the backup is of an SQL Server database: `drmsqlcat` command • When the backup is of an Exchange database: `drmexgcat` command

Message ID	Message Text	Description
DRM-10118	The version of the dictionary map file is incorrect.	*(For GUI)* *Cause* The version of a file used by Replication Manager Application Agent was different when Replication Manager Application Agent was upgraded. *Action* Configure Application Agent. *(For CLI)* *Cause* During an upgrade of Replication Manager Application Agent, the data format conflicts with the upgrade version because a previous version of the dictionary map file exists in the default storage directory or the directory specified in the `init.conf` file. *Action* Use the `drmdbconvert` command to convert data in the dictionary map file. The default storage directory for the dictionary map file is as follows: *Replication-Manager-Application-Agent-installation-destination*`\DRM\db`
DRM-10119	The virtual server name in the configuration file (init.conf) is invalid.	*(For GUI)* *Cause* A virtual server name is invalid. *Action* Check the configuration, and change the virtual server name from the Edit Application Agent dialog box as necessary. If the problem cannot be resolved, contact the Support Center. *(For CLI)* *Cause* The virtual server name specified in the `DRM_DB_PATH` parameter in the configuration definition file (`init.conf`) does not match that defined in the `DRM_HOSTNAME` environment variable. *Action* Check the virtual server name specified in the `DRM_DB_PATH` parameter in the configuration definition file (`init.conf`) and the

Message ID	Message Text	Description
		virtual server name defined in the DRM_HOSTNAME environment variable.
DRM-10120	The virtual server name in the DRM_HOSTNAME environment variable or the configuration file (init.conf) is too long.	*(For GUI)* *Cause* A virtual server name is too long. *Action* Replication Manager Application Agent supports virtual server names no more than 63 characters. Reduce the length of the virtual server name to no more than 63 characters. *(For CLI)* *Cause* The virtual server name specified in the DRM_DB_PATH parameter in the configuration definition file (init.conf) or the virtual server name defined in the DRM_HOSTNAME environment variable is too long. *Action* Check the virtual server name specified in the DRM_DB_PATH parameter in the configuration definition file (init.conf) and the virtual server name defined in the DRM_HOSTNAME environment variable.
DRM-10121	The specified directory name of the dictionary map file is invalid.	*(For GUI)* *Cause* The directory name of a file used by Replication Manager Application Agent is invalid. *Action* Contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • The directory name of the dictionary map file defined in the DRM_DB_PATH parameter in the configuration definition file (init.conf) is too long. • The directory name of the dictionary map file defined in the DRM_DB_PATH parameter in the configuration definition file (init.conf) is not an absolute path name. *Action*

Message ID	Message Text	Description
		Check the directory name of the dictionary map file specified in the `DRM_DB_PATH` parameter of the configuration file (`init.conf`).
DRM-10122	The specified copy group is a "remote copy" type, so it is not subject to processing.	*(For GUI)* *Cause* The specified copy group is a remote copy, and not subject to processing. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when the `drmtapebackup` or `drmtaperestore` command is executed with a remote copy group specified. *Action* Check the copy type of the copy group that was backed up using the backup catalog specified by the `drmtapebackup` or `drmtaperestore` command. The `drmtapebackup` and `drmtaperestore` commands perform processing only for the volume replication function in the storage system. To perform a backup to a tape or a restoration from a tape, for the copy group using a remote copy, use the `EX_DRM_TAPE_BACKUP` or `EX_DRM_TAPE_RESTORE` command.
DRM-10123	Data conversion is unnecessary, because the dictionary map file is the latest version.	*(For GUI)* *Cause* Data does not need to be converted, because the dictionary map file is of the latest version. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when the `drmdbconvert` command is executed for a dictionary map with the most recent data structure. *Action* You can perform a normal backup without using the `drmdbconvert` command to convert the data.

Message ID	Message Text	Description
DRM-10124	A contradiction was detected in the dictionary map file.	*(For GUI)* *Cause* An operation for the dictionary map file has failed, because the contents of the dictionary map file are invalid. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to operate the dictionary map file fails because an internal contradiction exists in the dictionary map file. *Action* See the actions taken for dictionary map file errors in the manual *Replication Manager Application Agent CLI User Guide*, and then execute the dictionary map file recovery procedure. If the error still occurs after recovering the dictionary map file, check the table name, processing, and error code output at the same time, collect all the required data, and then contact your support center.
DRM-10125	An unexpected error occurred in the processing of the dictionary map file.	*(For GUI)* *Cause* An unexpected error occurred during processing of a file used by Replication Manager Application Agent. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to operate the dictionary map file fails because an unexpected fatal error occurred. *Action* See the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
DRM-10126	A system error occurred during operation of the dictionary map file.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		A system error occurred during processing of a file used by Replication Manager Application Agent. *Action* Resolve the cause of the system error based on the output OS error code, and then retry the operation. For details on the contents, causes, and countermeasures for the system error, see the appropriate OS documentation. If the problem cannot be resolved, contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to operate the dictionary map file fails because an OS system error occurred. *Action* Remove the cause of the system error based on the output OS error code, and then re-execute the command. For the contents of system errors, causes, and actions to be taken, see the appropriate OS manual.
DRM-10300	An optional copy group is not defined.	*(For GUI)* *Cause* A copy group has not been defined in a volume belonging to the selected storage group, or defined only with an unsupported copy type. *Action* Define the copy group, and then retry the operation. *(For CLI)* *Cause* This message is displayed when no copy group is defined for the volume specified for backup, or when only a copy group of an unsupported copy type is defined. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.

Message ID	Message Text	Description
DRM-10301	The number of generations of the backup destination is different.	*(For GUI)* *Cause* The number of replica generations does not match. *Action* Check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly. *(For CLI)* *Cause* This message is output when the number of copy groups differs for each physical drive. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
DRM-10302	An attempt to acquire volume name has failed.	*(For GUI)* *Cause* An attempt to obtain a volume name has failed. *Action* If the KAVX0272-E message is not output, check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly. If the KAVX0272-E message is output, check whether a message indicating a problem is output to the backup server event logs, resolve the cause of failure, and execute the command again. *(For CLI)* *Cause* This message is output when an attempt to acquire a volume name fails. *Action* If the KAVX0272-E is not output, check the detailed message that is output after this message and indicates the cause of the KAVX0006-E message, and then take appropriate action. If the KAVX0272-E message is output, check whether a message indicating

Message ID	Message Text	Description
		abnormality was output to the event log of the backup server, and execute the command again after removing the error cause.
DRM-10303	An attempt at flush of the middle buffer of the file system has failed.	*(For GUI)* *Cause* An attempt to flush the file system relay buffer has failed. *Action* Check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly. *(For CLI)* *Cause* This message is output when an attempt to flush the intermediate buffer in the file system fails. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
DRM-10304	An attempt to open a file has failed.	*(For GUI)* *Cause* An attempt to open a file has failed. *Action* Check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly. *(For CLI)* *Cause* This message is output when an attempt to open a file fails. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
DRM-10305	The mount point is different.	*(For GUI)* *Cause* The mount point has changed. The information might not be up to date.

Message ID	Message Text	Description
		Action Update the host information. If the problem is still not resolved, contact the Support Center. *(For CLI)* *Cause* This message is output when one or more logical volumes to be restored where mount points differ exist both in backup catalog information and in the current configuration. If KAVX5129-E is displayed, the displayed result indicates the incorrect disk group. *Action* Perform the following procedure to make sure that there is no change to the volume configuration during backup processing: 1. Execute one of the following commands specifying the `-l` option, and then check the volume configuration at the time of the backup: - When the backup is of a file system: `drmfscat` command - When the backup is of an SQL Server database: `drmsqlcat` command - When the backup is of an Exchange database: `drmexgcat` command 2. Check the current volume configuration by using a method such as a RAID Manager command.
DRM-10306	The number of physical drive is different.	*(For GUI)* *Cause* The number of physical drives to be restored is different between the replica catalog information and the current configuration. The information might not be up to date. *Action* Update the host information. If the problem is still not resolved, contact the Support Center. *(For CLI)*

Message ID	Message Text	Description
		Cause This message is output when the number of physical drives to be restored in backup catalog information differs from that in the current configuration. If KAVX5129-E is displayed, the displayed result indicates the incorrect disk group. *Action* Perform the following procedure to make sure that there is no change to the volume configuration during backup processing: 1. Execute one of the following commands specifying the `-l` option, and then check the volume configuration at the time of the backup: - When the backup is of a file system: `drmfscat` command - When the backup is of an SQL Server database: `drmsqlcat` command - When the backup is of an Exchange database: `drmexgcat` command 2. Check the current volume configuration by using a method such as a RAID Manager command.
DRM-10307	The number of volumes is different.	*(For GUI)* *Cause* The volume count has changed. The information might not be up to date. *Action* Update the host information. If the problem is still not resolved, contact the Support Center. *(For CLI)* *Cause* This message is output when the number of volumes to be restored in backup catalog information differs from that in the current configuration. If KAVX5129-E is displayed, the displayed result indicates the incorrect disk group.

Message ID	Message Text	Description
		Action Make sure that there is no change to the volume configuration during backup processing with the following procedure: 1. Execute one of the following commands specifying the `-l` option, and then check the volume configuration at the time of the backup: - When the backup is of a file system: `drmfscat` command - When the backup is of an SQL Server database: `drmsqlcat` command - When the backup is of an Exchange database: `drmexgcat` command 2. Check the current volume configuration by using a method such as a RAID Manager command.
DRM-10308	An error occurred in an operation related to extended maintenance mode.	*(For GUI)* *Cause* An error occurred during an operation related to the extended maintenance mode. *Action* Check the following: • The patch for using the MSCS extended maintenance mode is installed. • The target disk resource is in the online status. • The host node owns the target disk resource. If no problems exist, check the table name, processing, and error code output at the same time, collect the appropriate materials, and then contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • The status of the maintenance mode for the disk resource could not be obtained.

Message ID	Message Text	Description
		• The operated disk resource could not be changed to maintenance mode. *Action* Make sure of the following: • The patch for using the MSCS extended maintenance mode is installed. • The target disk resource is online. • The host node owns the target disk resource. If no problems exist, check the table name, processing, and error code output at the same time, collect all the required data, and then contact your support center.
DRM-10309	The target disk resource is not online.	*(For GUI)* *Cause* The target disk resource is not online. *Action* Make sure that the disk resource to be used is online. If the disk resource is not online, place the disk resource online, and then retry the operation. If this error occurs even when the target resource is not online, check the table name, processing, and error code output at the same time, collect the appropriate materials, and then contact the Support Center. *(For CLI)* *Cause* The status of the operated disk resource cannot be changed because the disk resource is not online. *Action* Check whether the operated disk resource is online. If the disk resource is not online, bring it online, and then re-execute the command. If this error occurs even when the target disk resource is online, check the table name, processing, and error code output at the same time, collect all the required data, and then contact your support center.

Message ID	Message Text	Description
DRM-10310	A timeout occurred while waiting for the disk resource status to change.	*(For GUI)* *Cause* A timeout occurred waiting for the status of the target disk resource to change. *Action* Contact the Support Center. *(For CLI)* *Cause* The status of the maintenance mode for the disk resource did not change to the specified status, within the waiting period. *Action* In the environment settings file for Replication Manager Application Agent (`init.conf`), increase the values of `CLU_RETRY_TIME` and `CLU_RETRY_WAIT`, and then re-execute the command.
DRM-10311	This version of Windows does not support partial restoration of cluster resources that are in an online state.	*(For GUI)* *Cause* The version of the server OS is not supported. *Action* Windows Server 2003 or Windows Server 2008 is needed to perform partial restoration of an online cluster resource. *(For CLI)* *Cause* The server's OS is not Windows Server 2003 or Windows Server 2008. To perform partial restoration of cluster resources in an online state, Windows Server 2003 or Windows Server 2008 is needed. *Action* In the configuration definition file of Replication Manager Application Agent (`init.conf`), specify `CLU_MSCS_RESTORE=OFFLINE`, and then try again.
DRM-10312	An attempt to acquire OS version information has failed.	*(For GUI)* *Cause* OS version information could not be obtained. *Action*

Message ID	Message Text	Description
		Wait a while, update the host information, and then retry the operation. If the problem persists, contact the Support Center. *(For CLI)* *Cause* An attempt to acquire OS version information has failed. *Action* Based on the error code output to the trace log of the product, remove the problem preventing the version information from being obtained, and then re-execute the command.
DRM-10313	An attempt to re-set signature and volume layout information on the physical drive has failed.	*(For GUI)* *Cause* An attempt to reset signature and volume layout information on the physical drive has failed. *Action* Make sure that the physical drive is supported by Replication Manager Application Agent. If the drive is not supported by Replication Manager Application Agent, check the system logs, make sure that no messages indicating a problem on the physical drive are output, and resolve the cause of failure. *(For CLI)* *Cause* An error occurred during processing to re-set the signature and volume layout information on the physical drive. *Action* Refer to the *Release Notes* and check whether the target volume is a drive supported by Replication Manager Application Agent. If the target volume is supported, examine the system log and check whether error messages have been output for the target volume, and then remove the cause of the error.
DRM-10314	An attempt to acquire signature and volume layout information from the physical drive has failed.	*(For GUI)* *Cause* An attempt to obtain signature and volume layout information from the physical drive has failed.

Message ID	Message Text	Description
		Action Make sure that the physical drive is supported by Replication Manager Application Agent. If the drive is not supported by Replication Manager Application Agent, check the system logs, make sure that no messages indicating a problem on the target volume are output, and resolve the cause of failure. *(For CLI)* *Cause* An error occurred during the attempt to acquire the signature and volume layout information from the physical drive. *Action* Refer to the *Release Notes* and check whether the target volume is a drive supported by Replication Manager Application Agent. If the target volume is supported, examine the system log and check whether error messages have been output for the target volume, and then remove the cause of the error.
DRM-10315	The status of the secondary volume is invalid.	*(For GUI)* *Cause* The status of the secondary volume was checked, and found to have one of the following anomalies: 1. If the KAVX5146-E message was output at the same time: The target secondary volume is mounted on the backup server. 2. If the KAVX5147-E message was output at the same time: The secondary volume is not hidden. 3. If the KAVX5151-E message was output at the same time: The pair status is invalid. The secondary volume of the output pair is the primary volume of another pair. *Action* The target method differs depending on the message displayed at the same time.

Message ID	Message Text	Description
		1. If the KAVX5146-E message is displayed at the same time: Unmount the corresponding volume from the backup server, and then retry the operation. 2. If the KAVX5147-E message is displayed at the same time: If the corresponding volume is mounted on the backup server, unmount it. After that, use the replica option in the Application Agent settings to hide the volume. This will hide the backup server volume. Once this is done, try again. 3. If the KAVX5151-E message is displayed at the same time: Use the displayed MU number to identify the secondary volume pair, and split the pair. *(For CLI)* *Cause* Either of the following abnormalities was detected as a result of checking the secondary volume status: • If KAVX5146-E was output at the same time The target secondary volume is mounted on the backup server. • If KAVX5147-E was output at the same time The secondary volume is not hidden. • If KAVX5151-E was output at the same time The pair status is incorrect. The secondary volume of the output copy group and the primary volume of another copy group have been set. *Action* Take the following actions based on the message output at the same time. • If the KAVX5146-E was output at the same time Unmount the output mount point on the backup server, and then re-execute the command. To

Message ID	Message Text	Description
		unmount the volume mounted by using the `drmmount` command, use the `drmumount` command. • If the KAVX5147-E was output at the same time If the output volume is mounted on the backup server, unmount it. Then, describe the `HORCMINST` and `DEVICE_DETACH=ENABLE` in the RAID Manager linkage definition file, and then execute the `drmdevctl -detach` command. By this operation, volumes on the backup server are hidden. After this, re-execute the command. • If the KAVX5151-E was output at the same time Determine the copy group of the secondary volume from the output MU number, and then perform the pair-split processing.
DRM-10316	An attempt to acquire the physical drive information from the logical volume has failed.	*(For GUI)* *Cause* An attempt to use the OS API to obtain information about the physical drive on which the logical volume is located has failed. *Action* Check the system logs to confirm whether a message indicating a problem related to the target physical drive was output, and resolve the cause of failure. *(For CLI)* *Cause* An attempt to acquire the physical drive information from the logical volume using the API provided by the OS has failed. *Action* See the system log to check whether a message indicating abnormality in the target physical drive is output, and then remove the error cause.
DRM-10317	An error occurred in the Protection Manager service.	*(For GUI)* *Cause* An error occurred for the Replication Manager Application Agent service during processing on the backup server.

Message ID	Message Text	Description
		Action Resolve the issue according to the countermeasures in the error message output at the same time, and then retry the operation. *(For CLI)* *Cause* An error occurred in the Protection Manager Service during the processing on the backup server. *Action* Fix the error based on the error message (KAVX5024-E) that was output at the same time, and then execute the command again.
DRM-10318	An attempt to connect to the Protection Manager service has failed.	*(For GUI)* *Cause* An error occurred during communication processing for the Replication Manager Application Agent service. *Action* Resolve the issue according to the countermeasures in the error message output at the same time, and then retry the operation. *(For CLI)* *Cause* An error occurred during communication processing with the Protection Manager Service. *Action* Fix the error based on the error message (KAVX0258-E or KAVX0269-E) that was output at the same time, and then execute the command again.
DRM-10319	An attempt to set an environment variable has failed.	*(For GUI)* *Cause* An attempt to set environment variables in Replication Manager Application Agent has failed. *Action* Make sure that sufficient memory and drive capacity exist. If they do exist, check the system logs to see whether any problems exist with the OS. If no problems exist, contact the Support Center. *(For CLI)*

Message ID	Message Text	Description
		Cause An error occurred in the settings processing for the environment variable. *Action* Make sure the memory and unused drive capacity are sufficient. If there is enough memory and unused drive capacity, see the system log, and check whether the OS has an abnormality. If no abnormality is found, contact your support center.
DRM-10320	The mount command of the backup server ended with an error.	*(For GUI)* *Cause* A backup server mount operation terminated with an error. *Action* Make sure that the mount path name is specified correctly. If the correct path name is specified, check the system logs on the backup server to see whether a problem exists. If no problems exist, contact the Support Center. *(For CLI)* *Cause* The `mount` command on the backup server terminated due to an error. *Action* Check whether the path name of the mount has been specified correctly. If the path name is correct, see the trace log file for the product or the system log file on the backup server, and check whether a problem exists. If no abnormality is found, contact your support center.
DRM-10321	The command was not executed because the backup ID of the backup server was locked.	*(For GUI)* *Cause* An attempt to automatically import replica history has failed, because the backup server replica was already locked. *Action* Check the following and act accordingly: • If another operation is being executed on the backup server, wait a while, and then retry the operation.

Message ID	Message Text	Description
		• If the backup server replica is locked, unlock it, and then retry the operation. *(For CLI)* *Cause* Automatic import of the backup catalog failed because the backup ID of the backup server has already been locked. *Action* Check the following, and then take appropriate action based on the check result: • Make sure another command is not running on the backup server. If another command is running, wait for that command to end, and then execute the command again. • Make sure the backup ID of the backup server is not locked. If the backup ID of the backup server is locked, unlock it, and then execute the command again.
DRM-10322	The drive to be backed up is not related to any copy groups defined in the definition file for the cascade configuration.	*Cause* When the backup of the cascade configuration was executed, the drive to be backed up does not use the same volume as the copy group of the remote copy defined in the definition file for the cascade configuration. *Action* Make sure that the cascade configuration is correct, remove the cause of the error, and then re-execute the command.
DRM-10323	An attempt to perform backup pre-processing at the remote site has failed.	*Cause* An error occurred while preprocessing at a remote site, during backup of the cascade configuration. *Action* Check the message that was output before the KAVX5402-E message, remove the cause of the error at the remote site, and then re-execute the command.
DRM-10324	An attempt to resynchronize a copy group at the remote site has failed.	*Cause* An error occurred in the resynchronization of the copy group at

Message ID	Message Text	Description
		a remote site, during backup of the cascade configuration. *Action* Check the message that was output before the KAVX5402-E message, remove the cause of the error in the remote site, and then re-execute the command.
DRM-10325	An attempt to perform backup post-processing at the remote site has failed.	*Cause* An error occurred while postprocessing at a remote site, during backup of the cascade configuration. *Action* Check the message that was output before the KAVX5402-E message, remove the cause of the error in the remote site, and then re-execute the command.
DRM-10326	Processing at the remote site was forcibly terminated.	*Cause* A time-out occurred in processing at a remote site, during backup of the cascade configuration. This forcibly terminated the process. *Action* Change the time-out time specified in the definition file for the cascade configuration to a longer time than the expected necessary time, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-10327	Processing at the remote site could not be forcibly terminated.	*Cause* A time-out occurred in processing at a remote site, during backup of the cascade configuration. The system attempted to forcibly terminate the process, but the attempt failed. *Action* Remove the cause of the failure. After that, change the time-out time specified in the definition file for the cascade configuration to a longer time than the expected necessary time, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.

Message ID	Message Text	Description
DRM-10328	An attempt to acquire physical drive information from a copy group has failed.	*(For GUI)* *Cause* An error occurred for processing to obtain the physical drive name from a copy group. *Action* Check the CCI settings. If the settings are correct, check the CCI log information, and make sure that no issues exist. *(For CLI)* *Cause* An error occurred during processing to acquire the name of a physical drive from a copy group. *Action* If the settings are correct, refer to the RAID Manager log to check whether any problems exist.
DRM-10329	A physical drive could not be placed offline.	*(For GUI)* *Cause* An error occurred during processing to place the physical drive offline. *Action* Check the system logs to see whether messages indicating a problem related to the target physical drive have been output, and resolve the cause of failure. *(For CLI)* *Cause* An attempt to place a physical drive offline has failed. *Action* Refer to the system log to check whether a message indicating abnormality in the target physical drive has been output, and then remove any causes of abnormality.
DRM-10330	A physical drive could not be placed online.	*(For GUI)* *Cause* An error occurred during processing to place the physical drive online. *Action* Check the system logs to see whether messages indicating a problem related to the target physical drive have been

Message ID	Message Text	Description
		output, and resolve the cause of failure. *(For CLI)* *Cause* An attempt to place a physical drive online has failed. *Action* Refer to the system log to check whether a message indicating abnormality in the target physical drive has been output, and then remove any causes of abnormality.
DRM-10337	The current physical drive partition style differs from the one that was backed up.	*(For GUI)* *Cause* The partition style of the drive to be restored is different from that during backup. *Action* Unite the drive partition style with that used during backup, and then perform a restoration again. *(For CLI)* *Cause* The drive partition style of the restoration destination is different from the drive partition style that was used when the backup was performed. *Action* Make sure that the drive partition style is the same as the drive partition style that was used when the backup was performed, and then re-execute the restore command.
DRM-10339	The user has not been authorized by RAID Manager.	*Cause* Possible causes are as follows: 1. The user who executed the command is not logged in to RAID Manager. 2. A version of RAID Manager whose user authentication function is not supported by Replication Manager Application Agent is being used. *Action* According to the cause, take one of the following actions: 1. Log in to RAID Manager, and then execute the command.

Message ID	Message Text	Description
		2. Upgrade RAID Manager to a version whose user authentication function is supported by Replication Manager Application Agent. For details about the RAID Manager versions supported by Replication Manager Application Agent, see *Replication Manager Application Agent CLI User Guide*. For details about how to check and upgrade the RAID Manager version, see the RAID Manager documentation.
DRM-10340	The user authentication function of RAID Manager did not execute correctly.	*Cause* The user authentication function of RAID Manager was not executed correctly. *Action* See the RAID Manager manuals to review the RAID Manager settings. If the settings are correct, check the RAID Manager log information to make sure that there is no problem.
DRM-10405	The file name is too long.	*(For GUI)* *Cause* The path name specified as a backup target exceeds 1,024 half-width characters. *Action* Path names of 1,025 characters or more cannot be specified. Specify a correct file name with 1,024 characters or fewer. *(For CLI)* *Cause* The file path name specified with the `-target` option or `-f` option for backup exceeds 1,024 bytes. *Action* A file path name exceeding 1,024 bytes cannot be specified. Specify a correct file name by using less than 1,024 bytes.
DRM-10406	The process has reached the maximum number of files that can be opened.	*(For GUI)* *Cause* The maximum number of files that can be opened by one process has been reached. *Action*

Message ID	Message Text	Description
		Redefine the kernel parameter, and increase the number of files that can be opened by a process. *(For CLI)* *Cause* The process has reached the maximum number of files that can be opened. *Action* Redefine the kernel parameter and increase the number of files that a process can open.
DRM-10407	The number of open files in the entire system has reached the maximum allowed limit.	*(For GUI)* *Cause* The maximum number of files that can be opened on a system has been reached. *Action* Redefine the kernel parameter, and increase the number of files that can be opened by the system. *(For CLI)* *Cause* The number of open files in the entire system has reached the maximum allowed limit. *Action* Redefine the kernel parameter to increase the number of files that the system can open.
DRM-10408	An attempt to access a file failed.	*(For GUI)* *Cause* An invalid file or directory name was specified when backup or restoration processing was performed, preventing access to the target path name. *Action* Make sure that the path name for the backup or restoration target is specified correctly. If a correct path name is specified, check the Replication Manager Application Agent trace log file and system logs for any anomalies. If the problem persists, contact the Support Center. *(For CLI)* *Cause*

Message ID	Message Text	Description
		The system cannot access the file path because an invalid file name or invalid directory name was specified for backup or restore processing. *Action* Check whether the path name used in backup or restore processing is specified correctly. If the path name is correct, examine the Replication Manager Application Agent trace log file and the system log, and check whether there is any problem.
DRM-10409	An attempt to generate a process failed.	*(For GUI)* *Cause* An attempt to spawn an internal process failed when the Replication Manager Application Agent function was executed. *Action* Make sure that sufficient memory and drive capacity exist. If they do exist, check the system logs to see whether any problems exist with the OS. If the problem persists, contact the Support Center. *(For CLI)* *Cause* When a command was executed, an attempt to generate an internal process failed. *Action* Make sure there is sufficient memory and unused drive capacity. If there are no problems with memory or unused drive capacity, examine the system log and check whether there are any problems in the OS.
DRM-10410	The host name could not be obtained.	*Cause* During execution of a command to back up to tape, the host name that executes the command could not be obtained. *Action* Set up the system so that the name of the host that executes the command can be obtained correctly. Then, re-execute the command.
DRM-10411	The expiration period could not be set.	*Cause*

Message ID	Message Text	Description
		When executing the `drmtapebackup` command, the system could not set the expiration period, based on the number of days that the backup data is to be stored (previously specified in the `drmtapeinit` command). *Action* Re-execute the `drmtapeinit` command and reset the number of days that the backup data is to be stored, and then re-execute the `drmtapebackup` command.
DRM-10418	An indispensable item *item-name* is not specified.	*(For GUI)* *Cause* A required item is missing from the agent user script. *Action* Specify the required items in the agent user script file. *(For CLI)* *Cause* This message is output when a required item is not specified in a user script. *Action* Specify all required items in the user script file.
DRM-10419	Line *line-number*: The required item "*item-name*" is not specified in the command definition section.	*(For GUI)* *Cause* A required item is missing from the command definition section in the agent user script. *Action* Specify the required items in the agent user script file. *(For CLI)* *Cause* This message is output when a required item is not specified in the command definition section of a user script. *Action* Specify all required items in the user script file.
DRM-10420	Line *line-number*: The value of item "*item-name*" is not specified.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		An item in the agent user script has no value specified. *Action* Set the value on the corresponding line in the agent user script file. *(For CLI)* *Cause* This message is output when no value is specified for an item in the user script. *Action* Set the value on the corresponding line of the user script file.
DRM-10421	Line *line-number*: The specified value cannot be used for item "*item-name*".	*(For GUI)* *Cause* A prohibited keyword is used as an item value in the agent user script. *Action* See the manual for values that can be used, and fix the value on the corresponding line in the agent user script file. *(For CLI)* *Cause* This message is output when an illegal keyword is used for the value of an item in the user script. *Action* See the manual *Replication Manager Application Agent CLI User Guide*, check the values that can be used for the item, and then correct the corresponding line of the user script file.
DRM-10422	Line *line-number*: The specified value's length exceeded the limit for item "*item-name*" The max. is *maximum-number-of-characters* characters.	*(For GUI)* *Cause* The value of an item in the agent user script file is too long. *Action* Edit the agent user script file so that the number of characters in the value on the corresponding line is less than or equal to the maximum. *(For CLI)* *Cause* This message is output when the value of an item in the user script file is too long.

Message ID	Message Text	Description
		Action Edit the contents of the user script file: correct the corresponding line so that the number of characters in the value is less than or equal to the maximum.
DRM-10423	Line *line-number*: The specified value is not an integer, or is outside the range from *minimum-value* to *maximum-value*.	*(For GUI)* *Cause* The value of an item in the agent user script file is out of range. *Action* Edit the contents of the agent user script file so that the value on the corresponding line is an integer within the displayed range. *(For CLI)* *Cause* This message is output when the value of an item in the user script file is outside the valid range. *Action* Edit the contents of the user script file: correct the corresponding line so that the value is an integer within the displayed range.
DRM-10424	Line *line-number*: Item "*item-name*" cannot be specified more than once in the same file.	*(For GUI)* *Cause* An item that must be unique appears multiple times in the agent user script file. *Action* Edit the agent user script file so that the item on the corresponding line does not occur more than once. *(For CLI)* *Cause* This message is output when an item that cannot be duplicated is specified more than once in the user script file. *Action* Edit the contents of the user script file: correct the corresponding line so that the item is not duplicated.
DRM-10425	Line *line-number*: Item "*item-name*" cannot be specified more than once in the same command definition section.	*(For GUI)* *Cause* An item that must be unique appears multiple times in the agent user script. *Action*

Message ID	Message Text	Description
		Edit the agent user script so that the item on the corresponding line does not occur more than once. *(For CLI)* *Cause* This message is output when an item that cannot be duplicated is specified more than once in the same command definition section of the user script file. *Action* Edit the contents of the command definition section of the user script file: correct the corresponding line so that the item is not duplicated.
DRM-10426	Line *line-number*: The item name or section name is invalid.	*(For GUI)* *Cause* The name of an item or section specified in the agent user script is invalid. *Action* See the manual for item names that can be specified, and fix the corresponding line in the agent user script. *(For CLI)* *Cause* This message is output when either the specified item name or section name in the user script file is invalid. *Action* See the manual *Replication Manager Application Agent CLI User Guide*, check the values that can be set for the item name, and then correct the corresponding line of the user script file.
DRM-10427	Line *line-number*: Item "*item-name*" cannot be specified outside the user processing section.	*(For GUI)* *Cause* An item that is not allowed to be specified before the user processing section in the agent user script is specified before the user processing section. *Action* Fix the contents of the agent user script so that corresponding line falls within the user processing section. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is output when an item that cannot be specified before the user processing section of the user script file is specified in that section. *Action* Move the corresponding line of the user script file to within the user processing section of the user script file.
DRM-10428	Line *line-number*: Item "*item-name*" cannot be specified outside the command definition section.	*(For GUI)* *Cause* An item that is not allowed to be specified outside the command definition section in the agent user script is specified outside the command definition section. *Action* Fix the contents of the agent user script so that corresponding line falls within the command definition section. *(For CLI)* *Cause* This message is output when an item that cannot be specified outside of the command definition section of a user script file is specified in that section. *Action* Move the corresponding line of the user script file to within the command definition section of the user script file.
DRM-10429	Line *line-number*: Item "*item-name*" cannot be specified inside the user processing section.	*(For GUI)* *Cause* An item that is not allowed to be specified within the user processing section in the agent user script is specified before the user processing section. *Action* Fix the contents of the agent user script so that corresponding line falls outside the user processing section. *(For CLI)* *Cause* This message is output when an item that cannot be specified outside of the command definition section of a user script file is specified in that section. *Action*

Message ID	Message Text	Description
		Move the corresponding line of the user script file to within the command definition section of the user script file.
DRM-10430	Line *line-number*: The size of the specified line exceeded the limit. The max. is *maximum-number-of-bytes* bytes.	*(For GUI)* *Cause* The number of bytes in a line in the agent user script exceeds the maximum. *Action* Fix the contents of the agent user script so that the number of bytes in the corresponding line is less than or equal to the maximum. *(For CLI)* *Cause* This message is output when a line whose length exceeds the maximum exists in the user script file. *Action* Correct the corresponding line in the user script file so that the number of characters is within the maximum length.
DRM-10431	The user script is too large.	*(For GUI)* *Cause* Processing cannot be performed because the agent user script is too large. *Action* Reduce the contents in the agent user script. *(For CLI)* *Cause* This message is output when the user script is too large for processing. *Action* Delete some of the contents of the user script file.
DRM-10432	Line *line-number*, column *column-number*: Contains an invalid character.	*(For GUI)* *Cause* The agent user script contains an invalid character code (a character less than 0x20, other than a carriage return or tab). *Action*

Message ID	Message Text	Description
		Fix the contents of the agent user script so that the invalid character is removed. *(For CLI)* *Cause* This message is output when the user script file contains an invalid character code (anything less than 0x20, a line break, or a tab character). *Action* Edit the user script file contents: delete any invalid characters.
DRM-10433	An internal error occurred in the user script processing.	*(For GUI)* *Cause* An internal error occurred for agent user script processing. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when an internal error occurs in the user script processing. *Action* Contact your support center.
DRM-10434	An error occurred in VSS.	*(For GUI)* *Cause* An error occurred for VSS. *Action* Make sure that the startup type for Volume Shadow Copy service is not disabled. If the startup type for VSS is disabled, revert the startup type to manual, and then retry the operation. If the startup type is manual, collect the appropriate materials, and then contact the Support Center. *(For CLI)* *Cause* This message is output when an error occurs in VSS. *Action* Check whether the startup type of the Volume Shadow Copy service is invalid.

Message ID	Message Text	Description
		If it is invalid, return it to manual and then re-execute the command. If this message is displayed after returning the startup type to manual, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center. In addition, if either of the following conditions is not satisfied in a cluster configuration for the dependency relation between the restore target cluster disk resource and the Microsoft Exchange Information Store resource, this message is output: • For Exchange Server 2003: Except the dependency relation between the restore target cluster disk resource and the Microsoft Exchange System Attendant resource, do not set a dependency relation in which the Microsoft Exchange Information Store resource goes offline when the restore target cluster disk resource goes offline. • For Exchange Server 2007: Do not set a dependency relation in which the Microsoft Exchange Information Store resource goes offline when the restore target cluster disk resource goes offline.
DRM-10435	An error occurred in Virtual Disk Service.	*Cause* An error occurred in Virtual Disk Service. *Action* Make sure that the startup type for the Virtual Disk Service service is not disabled. If the startup type for the Virtual Disk Service service is disabled, revert the startup type to manual, and try again. If the error occurs again, relaunch the Virtual Disk Service service, and then re-execute the command. After re-executing the command, if the error occurs once again, collect the appropriate materials by referring to the troubleshooting explanation in the *Hitachi Command Suite Replication Manager Application Agent CLI User Guide*, and then contact customer support.

Message ID	Message Text	Description
DRM-10436	Line *line-number*: The value's format is invalid.	*(For GUI)* *Cause* The format of a value is invalid. This might be due to the following: The specified format of the ENV setting is invalid (it contains no half-width equals sign, or no environment variable name is specified). *Action* Fix the value of the corresponding line so that its format is valid. *(For CLI)* *Cause* This message is output when the value's format is invalid. Possible causes are as follows: • The value's format of the ENV setting item is invalid (no equal sign exists, or the environment variable name is not specified). *Action* Correct the corresponding line to the correct format.
DRM-10450	An attempt to transfer files to the FTP client has failed.	*Cause* An attempt to transfer files to the FTP client has failed. *Action* Check the following items. • Ensure the FTP service in the FTP server is running normally. • Determine if connection to the FTP server can be made properly with the specified user ID and password. • When connection to the FTP server can be made, determine if a temporary directory for extended command on the FTP server and a backup catalog file subject to transfer exist.
DRM-10451	An attempt to transfer files to the FTP server has failed.	*Cause* An attempt to transfer files to the FTP server has failed. *Action* Check the following items. • Ensure the FTP service in the FTP server is running normally.

Message ID	Message Text	Description
		• Determine if connection to the FTP server can be made properly with the specified user ID and password. • When connection to the FTP server can be made, determine if a temporary directory for extended command on the FTP server exists and if a file can be created.
DRM-10452	The character string specified as the operation ID exceeds the maximum number of characters.	*Cause* The operation ID, which was specified when the command was executed, exceeds the maximum number of characters allowed. *Action* Specify an operation ID within the limit.
DRM-10453	The specified file does not exist.	*Cause* The file required by the executed extended command does not exist. *Action* Check that the specified file exists.
DRM-10454	An attempt to access the specified file failed.	*Cause* An attempt to access the required file failed during the processing of the extended command. *Action* Check that the user has the proper permission for the target file and that there is sufficient memory and unused drive capacity. If there is sufficient memory and unused drive capacity, examine the system log and check if there is any problem with the operating system.
DRM-10455	An attempt to read the specified file failed.	*Cause* An attempt to read the required file failed during the processing of the extended command. *Action* Use a text editor to check that the specified definition file can be opened.
DRM-10456	An attempt to copy the specified file failed.	*Cause* An error occurred when the file is copied. *Action*

Message ID	Message Text	Description
		Check whether the file system capacity is full. If the file system capacity is not full, examine the system log and check whether there is any error message about the target file system. If the file system is normal, contact your support center.
DRM-10457	The content of the specified file is invalid.	*Cause* The contents of the specified file are incorrect. *Action* Check that the contents of the file are correct.
DRM-10458	An attempt to generate a process failed.	*Cause* Generation of an internal process failed during command execution. *Action* Check that there is sufficient memory and unused drive capacity. If there is sufficient memory and unused drive capacity, examine the system log and check if there is any problem with the operating system.
DRM-10459	An attempt to obtain the installation path failed.	*Cause* Since Replication Manager Application Agent is not installed correctly in the Windows system, the installation path of the program could not be obtained. *Action* Uninstall the program and then re-install it.
DRM-10460	An attempt to connect to the FTP server failed.	*Cause* Connection to the FTP server was not possible. *Action* On the FTP server, check that the FTP service is running normally. Also make sure that you can use the specified ID and password to connect to the specified FTP server.
DRM-10461	An attempt to connect to database server failed.	*Cause* Connection to the database server was impossible. *Action* On the database server, make sure that the service is running normally. Also make sure that you can connect to the database server by using the

Message ID	Message Text	Description
		name of the user who is logged in and the password.
DRM-10462	An internal error occurred.	*Cause* An unknown internal error occurred. *Action* Refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center.
DRM-10463	The target backup catalog file does not exist.	*Cause* This message is output when the backup catalog file to be operated by executing the extended command cannot be found. *Action* Create or copy a backup catalog file to execute the extended command.
DRM-10464	An error occurred during database server processing.	*Cause* This message is output if an error occurs during the database server processing. *Action* Make sure that the service is running on the database server. Also make sure that you can connect to the database server by using the name of the user who is logged in and the password.
DRM-10465	The assigned directory does not exist in the specified file.	*Cause* This message is output when the specified directory does not exist on the host. *Action* Confirm that the specified directory exists.
DRM-10466	The assigned directory name is not an absolute path.	*Cause* This message is output when the specified directory is not an absolute path. *Action* Use an absolute path to specify the directory name.
DRM-10467	The target file does not exist.	*Cause* The file subject to the extended command operation could not be found.

Message ID	Message Text	Description
		Action Use the following extended commands and create a file to operate. • EX_DRM_BACKUPID_SET • EX_DRM_SQL_BACKUP (When the backup is of an SQL Server database.) • EX_DRM_TAPE_RESTORE • EX_DRM_DB_IMPORT
DRM-10469	An attempt to write an internal file failed.	*Cause* The file could not be written to during processing of the extension command. *Action* Check the file name that was output with this message, and make sure that the file is in a writable state and that no other program is accessing that file.
DRM-10470	The target SQL Server metafile does not exist.	*Cause* The target SQL Server metafile executed by the extended command cannot be found. *Action* Create or copy the SQL Server metafile and then re-execute the extended command.
DRM-10471	The required initialization command has not been executed.	*Cause* Either the necessary parameter registration command (drmsqlinit) was not executed before the extended command was executed, or the information created when the parameter registration command was executed is damaged. *Action* Execute the parameter registration command that is displayed in this message and then re-execute the extended command.
DRM-11010	An internal error occurred.	*(For GUI)* *Cause* An internal error occurred. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.

Message ID	Message Text	Description
		(For CLI) *Cause* An unexpected internal error occurred during command execution. *Action* Check the error code and the details indicated in the message, refer to the SQL Server documentation, and then remove the cause of the error. Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
DRM-11011	The error was detected during execution of an SQL statement.	*(For GUI)* *Cause* An error was returned from SQL Server while an SQL statement was being executed. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center. *(For CLI)* *Cause* A message was returned from SQL Server during execution of an SQL statement. *Action* Check the error code and the details indicated in the message, refer to the SQL Server documentation, and then remove the cause of the error. Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
DRM-11012	An error was detected during the processing to log on to SQL Server.	*(For GUI)* *Cause* An unexpected error occurred while processing a logon to SQL Server. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server.

Message ID	Message Text	Description
		If no abnormality is found in the OS or SQL Server, contact the Support Center. *(For CLI)* *Cause* An unexpected internal error occurred during command execution. *Action* Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
DRM-11013	Logging on to SQL Server...	*Cause* The above message was returned while logging on to SQL Server. *Action* Check the error code and the details indicated in the message, refer to the SQL Server documentation, and then remove the cause of the error. Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
DRM-11014	An error was detected during the processing to log off from the SQL Server.	*(For GUI)* *Cause* An unexpected error occurred while processing a logoff from SQL Server. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center. *(For CLI)* *Cause* An unexpected error occurred during the logoff process from SQL Server. *Action* Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.

Message ID	Message Text	Description
DRM-11015	Logging off from SQL Server...	*Cause* The above message was returned while logging off from SQL Server. *Action* Check the error code and the details indicated in the message, refer to the SQL Server documentation, and then remove the cause of the error. Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
DRM-11016	An attempt to open a metafile failed.	*(For GUI)* *Cause* An attempt to open a VDI metafile failed. *Action* Make sure that you have access permissions for the VDI metafile. *(For CLI)* *Cause* An attempt to open a metafile failed while backup or restore processing was being performed for the SQL Server database. *Action* Check whether you have permission to read or write to the metafile. You can check the location of the metafile for backup by using the `drmsqlinit` command, and the location of the metafile for restoration by using the `drmsqlcat` command.
DRM-11017	A timeout error occurred.	*(For GUI)* *Cause* A timeout occurred. *Action* Make sure that SQL Server is in an appropriate status, and then retry the operation. If the same message reappears, check the value for the VDI metafile creation timeout in the Application Agent settings, and change it if necessary. *(For CLI)* *Cause* A timeout error occurred during VDI metafile creation by using the

Message ID	Message Text	Description
		`drmsqlbackup` command. Alternatively, the VDI metafile application that was performed by using the `drmsqlrestore` command took a long time. A transaction log for an application other than Replication Manager Application Agent may have been undergoing backup while the `drmsqlbackup` command was executing. *Action* Check the status of the SQL Server, and then re-execute the command. If the same message is displayed repeatedly, check and reset the timeout value by using the `drmsqlinit` command.
DRM-11018	The user lacks appropriate permission to execute SQL statements.	*(For GUI)* *Cause* The user who manages Replication Manager Application Agent does not have permissions for executing SQL statements. *Action* Grant permissions for executing SQL statements to the user who manages Replication Manager Application Agent. *(For CLI)* *Cause* A user who does not have permission to execute SQL statements attempted to execute a statement. *Action* Make sure that the user has the appropriate permissions, and then re-execute the command.
DRM-11019	An attempt to start SQL Server has failed.	*(For GUI)* *Cause* An attempt to start SQL Server has failed. *Action* Eliminate the cause of the error by referencing the Windows event log. If the problem is not resolved, collect the necessary data by referencing the troubleshooting explanation in the *Hitachi Command Suite Replication Manager Configuration Guide*, and then contact the Support Center. *(For CLI)*

Message ID	Message Text	Description
		Cause This message is output when an attempt to start SQL Server fails. *Action* Examine the Windows event log and then remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
DRM-11020	An attempt to operate the virtual device interface has failed.	*(For GUI)* *Cause* An attempt to operate a virtual device has failed. *Action* Eliminate the cause of the error by referencing the Windows event log. If the problem is not resolved, collect the necessary data by referencing the troubleshooting explanation in the *Hitachi Command Suite Replication Manager Configuration Guide*, and then contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to operate a virtual device interface fails. *Action* Examine the Windows event log and then remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
DRM-11021	An attempt to gather information from SQL Server has failed.	*(For GUI)* *Cause* An attempt to collect information from SQL Server has failed. *Action* A message was returned from SQL Server while the SQL statement was being executed. Eliminate the cause of

Message ID	Message Text	Description
		the error by referencing the SQL Server documentation. For example, a database whose name uses multibyte characters of 3 or more bytes for one character might exist in the SQL Server instance. If necessary, collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to gather SQL Server information fails. *Action* A message was returned from SQL Server during execution of an SQL statement. Check the error code and the details indicated in the message, see the SQL Server documentation, and then remove the cause of the error. For example, a database whose name uses multibyte characters of 3 or more bytes for one character might exist in the SQL Server instance. Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
DRM-11022	An attempt to allocate the object and check the structural consistency has failed.	*(For GUI)* *Cause* An attempt to check the allocation and structural consistency of an object in SQL Server has failed. *Action* A message was returned from SQL Server while the SQL statement was being executed. Eliminate the cause of the error by referencing the SQL Server documentation. If necessary, collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is output when an attempt to allocate an object and check the structural consistency fails. *Action* A message was returned from SQL Server during execution of an SQL statement. Check the error code and the details indicated in the message, see the SQL Server documentation, and then remove the cause of the error. Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
DRM-11100	The specified database is offline.	*Cause* The specified database is offline, so backup processing cannot be executed. *Action* Place the database online or exclude the database where the error occurred from command targets.
DRM-11101	The specified database is currently restored.	*Cause* The specified database has been restored, but not recovered. *Action* If the `drmsqlbackup` command or `drmsqllogbackup` command was used, recover the target database and then re-execute the command. If the `drmsqlrestore` command was used, recover or delete the target database and then re-execute this command.
DRM-11102	The specified database is being recovered.	*Cause* The specified database is currently being recovered and cannot be used in the query. *Action* Wait a short while, and then re-execute the command.
DRM-11103	The specified database is suspect.	*(For GUI)* *Cause* The SQL database is in a status in which recovery is unavailable. *Action*

Message ID	Message Text	Description
		Make sure that the target SQL database is in an appropriate status, and then retry the operation. *(For CLI)* *Cause* The database could not be recovered. *Action* Check the status of the target database, and then re-execute the command. If you cannot restore the database status to either of the following statuses, start processing from restoration: • At backup or transaction log backup: Online • At recovery: Being read or read-only
DRM-11104	The file name of the specified database could not be found.	*Cause* For some reason, the file name of the specified database could not be found. For example, backup might have been performed with an unknown database owner. *Action* To continue, check the status of the database.
DRM-11105	The attribute of the specified database is read-only.	*Cause* - *Action* Check the status of the target database, and then re-execute the command.
DRM-11107	The specified database information could not be obtained.	*Cause* This message is output if the information for the target database could not be obtained. *Action* Collect the SQL Server error log and Windows event log, check the OS status and SQL Server status, and then contact your support center.
DRM-11109	The specified database is in standby mode.	*Cause* This message is output when the specified database is in the standby mode. *Action*

Message ID	Message Text	Description
		Execute the `drmsqlrecover` command without specifying the `-undo` option to recover the database.
DRM-11112	Automatic recovery did not finish.	*Cause* This message is output when automatic restoration does not finish within a certain time. *Action* Change the values of `SVC_RETRY_TIME` and `SVC_RETRY_WAIT` in the `init.conf` file, and then re-execute the command.
DRM-11113	The DATABASEPROPERTY function detected an invalid return code.	*(For GUI)* *Cause* An invalid value was detected while the status of the SQL database was being acquired. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center. *(For CLI)* *Cause* This message is output when an invalid value is detected during database status acquisition. *Action* Collect the SQL Server error log and the Windows event log, check the status of the OS and SQL Server, and then contact your support center.
DRM-11500	Exchange Server information could not be acquired.	*(For GUI)* *Cause* The obtained Exchange Server settings information is invalid. *Action* Make sure that the services required to start Exchange Server are running, and check the Exchange settings. *(For CLI)* *Cause* Exchange Server information could not be obtained when the user executed a command. *Action*

Message ID	Message Text	Description
		Check the settings for Exchange Server. If the settings are incorrect, check that the service used to start Exchange Server is running.
DRM-11501	The system has been returned to pre-failure status.	*(For GUI)* *Cause* The status has been reverted to that before the operation was performed, because restoration processing has failed. *Action* Resolve the cause of the error, and then retry the operation. *(For CLI)* *Cause* Since an attempt to perform restore processing has failed, the following files have been returned to their previous statuses: • Data files (`*.edb` or `*.stm`) • Transaction log files (`*.log`) • Check point files (`*.chk`) *Action* Remove the cause of the error, and re-execute the restore command.
DRM-11502	Mounting cannot take place, since a database inconsistency exists.	*(For GUI)* *Cause* The database contains an inconsistency, because an attempt to perform restoration processing failed. *Action* Resolve the cause of the error, and then retry the operation. *(For CLI)* *Cause* Restore processing has failed because an inconsistency exists in the database. *Action* Remove the cause of the error, and then re-execute the restore command.
DRM-11503	An attempt to execute the ESEUTIL command failed.	*(For GUI)* *Cause* An error occurred during a database consistency check. *Action*

Message ID	Message Text	Description
		Resolve the cause of the error, and then retry the operation. *(For CLI)* *Cause* An error occurred when an attempt was made to check the compatibility of the database. *Action* Remove the cause of the error, and then re-execute the command.
DRM-11504	An internal error occurred.	*(For GUI)* *Cause* An unknown error occurred. *Action* If a code and detailed message were displayed with this message, see the Exchange Server manual and resolve the cause of the error. If necessary, collect the Windows event logs, and check the status of the OS and Exchange Server. If the problem is still not resolved, check the troubleshooting items given in the product manual, collect the appropriate materials, and then contact the Support Center. *(For CLI)* *Cause* An unknown error occurred. *Action* Refer to the documentation for Exchange Server and correct the error according to the error code and detailed message that appear with this message. You may have to check the statuses of the OS and Exchange Server in the Windows event log as required. If there is no problem in the OS or Exchange Server, contact your support center.
DRM-11505	An error occurred during the Information Store Service processing.	*(For GUI)* *Cause* 1. The information store service is not running normally. 2. A timeout occurred during a status transition for the information store service. 3. An operation was performed for the information store service from an external source during

Message ID	Message Text	Description
		command execution, causing a change to an unexpected status. 4. The information store service has not started, even though the information store cluster resource is online in a cluster environment. *Action* See the Exchange Server manual, and make sure that the Microsoft Exchange Information Store service is running normally. *(For CLI)* *Cause* This can be due to any of the following: • The Information Store Service is not functioning properly. • A timeout occurred during an Information Store Service status change. • An unexpected status was entered because an external operation was performed on the Information Store Service while the command was executed. • In a cluster environment, even though the information store of the cluster resource was online, the Information Store Service was not running. *Action* See the Exchange Server documentation, and check whether the Information Store Service is operating properly. If the message DRM-11508 is output as the cause, adjust the values of the `SVC_RETRY_TIME` or `SVC_RETRY_WAIT` field in the `init.conf` file. If another cause is indicated, check as indicated.
DRM-11506	An attempt to start the Information Store Service has failed.	*(For GUI)* *Cause* An attempt to start the information store service has failed. *Action* See the Exchange Server manual, and make sure that the information store service is running normally. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is output when an attempt to start the Information Store Service fails. *Action* Make sure that the Information Store Service is running correctly. If the message DRM-11508 is output as the cause, adjust the values of the `SVC_RETRY_TIME` or `SVC_RETRY_WAIT` field in the `init.conf` file. If another cause is indicated, check as indicated.
DRM-11507	An exception occurred with the status of the Information Store Service.	*(For GUI)* *Cause* An operation was performed for the information store while an operation related to the information store was executing, causing the status to change. Alternatively, the Microsoft Exchange Information Store service has not started, even though a cluster resource in the cluster environment is online. *Action* Do not perform operations for the information store while an operation related to the information store is executing. For a cluster environment, if the information store cluster resource is online, make sure that the Microsoft Exchange Information Store service has started. *(For CLI)* *Cause* This can be due to any of the following: • An unexpected status was entered because an external operation was performed on the Information Store Service while the command was executed. • In a cluster environment, even though the information store of the cluster resource was online, the Information Store Service was not running. *Action* Make sure that no external operations are performed on the Information Store Service while the command is

Message ID	Message Text	Description
		executing. Also, make sure that the Information Store Service is running when the information store of the cluster resource is online.
DRM-11508	A timeout occurred.	*(For GUI)* *Cause* A timeout has occurred. *Action* Check the other message displayed at the same time. *(For CLI)* *Cause* This message is output when a timeout occurs. *Action* Check the other message output at the same time, and act accordingly.
DRM-11509	The ESEUTIL command returned the error.	*(For GUI)* *Cause* An error occurred during a database consistency check. *Action* Resolve the cause of the error, and then retry the operation. *(For CLI)* *Cause* An error occurred when a check for the database compatibility was executed. *Action* Remove the cause of the error, and then re-execute the command.
DRM-11602	An internal error occurred.	*Cause* An unknown internal error occurred. *Action* Contact your support center. Refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the necessary data, and then contact your support center.
DRM-11603	An attempt to generate the object has failed.	*Cause* An attempt to generate an object has failed. *Action*

Message ID	Message Text	Description
		Examine the system log to check whether there is a problem in the OS.
DRM-12500	An attempt to access the remote directory has failed.	*Cause* An attempt to access the remote directory on the FTP server has failed. *Action* See the message that is displayed with this message, and make sure of the following: • That the user ID and password are correct. • That the FTP service is running. • That the target directory exists. • That the target directory or file have sufficient write permission.
DRM-12501	The user does not have execution permission for the file.	*Cause* Command execution failed because there is no execution permission for the command. *Action* Make sure that the specified file is executable and the user has permission to execute the specified file.
DRM-12502	The target backup catalog file does not exist on the FTP server.	*Cause* The target backup catalog file was not found in the specified directory on the FTP server. *Action* Make sure that the target backup catalog file exists in the FTP server. If it does not exist, create or copy the backup catalog file and then re-execute the command.
DRM-12503	The target file does not exist.	*Cause* The temporary directory for the extended command was not found. *Action* Execute the check tool for operation definition files, and then re-execute the command.
DRM-12504	An error occurred during Active Directory processing.	*Cause* The system could not connect to the domain controller. *Action* Determine if you can establish connection to the domain controller

Message ID	Message Text	Description
		using the logon user name and password. Alternatively, determine if the domain controller, the DNS service, and the network are operating properly. If required, collect event log information from the server that runs this program, the domain controller, and the DNS service, and check the operating system status.
DRM-14000	An attempt to start the service has failed.	*Cause* This message is output when an attempt to start a service fails. *Action* Refer to the OS error code displayed with this message and the Windows event log to remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
DRM-14001	An attempt to stop the service has failed.	*Cause* This message is output when an attempt to stop a service fails. *Action* Refer to the OS error code displayed with this message and the Windows event log to remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
DRM-14002	The service control manager could not be opened.	*Cause* This message is output when an attempt to open the service control manager fails. *Action* Refer to the OS error code displayed with this message and the Windows event log to remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.

Message ID	Message Text	Description
DRM-14003	An attempt to acquire information on the service has failed.	*Cause* This message is output when an attempt to acquire information on the service fails. *Action* Refer to the OS error code displayed with this message and the Windows event log to remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
DRM-14004	An attempt to generate the thread has failed.	*Cause* This message is output when an attempt to generate a thread fails. *Action* Refer to the OS error code displayed with this message and the Windows event log to remove the cause of the error. If the same message reappears after removing the cause of the error, contact your support center. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
DRM-14005	The -s option is required to execute a backup server user script.	*Cause* The `-s` option was not specified when the user script was executed at the remote site. *Action* If the user script is executed at the remote site, specify the host name by the `-s` option.
DRM-14006	The method used to specify the site name section is invalid.	*Cause* The method used to specify the site name section in the definition file for the cascade configuration is invalid. *Action* Correct the contents of the definition file for the cascade configuration, and then re-execute the command.

Message ID	Message Text	Description
		For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-14007	An invalid parameter was specified.	*Cause* An invalid parameter was specified in the definition file for the cascade configuration. *Action* Correct the contents of the definition file for the cascade configuration, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-14008	The maximum specifiable length was exceeded.	*Cause* In the definition file for the cascade configuration, there is a parameter that exceeds the maximum specifiable length. *Action* Correct the contents of the definition file for the cascade configuration, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-14009	The specified character string is invalid.	*Cause* In the definition file for the cascade configuration, there is a parameter whose character string is invalid. *Action* Correct the contents of the definition file for the cascade configuration, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-14010	The specified numerical value is invalid.	*Cause* In the definition file for the cascade configuration, there is a parameter whose value is invalid. *Action* Correct the contents of the definition file for the cascade configuration, and then re-execute the command.

Message ID	Message Text	Description
		For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-14011	A specified parameter can only be specified once.	*Cause* In the definition file for the cascade configuration, there are multiple descriptions for a parameter for which multiple descriptions are not allowed. *Action* Correct the contents of the definition file for the cascade configuration, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-14012	The parameters are not specified in the correct order.	*Cause* The order of parameters in the definition file for the cascade configuration is not correct. *Action* Correct the contents of the definition file for the cascade configuration, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
DRM-14013	A transaction log error was detected during verification processing.	*Cause* This message is output when a transaction log error is detected during verification. *Action* Using either the Windows event log on the backup server or the information output by executing the `ESEUTIL` command with the `/ml` option on the database server, check for any abnormalities in the transaction logs, resolve any problems, and then re-execute the backup command. The base name specified for the `/ml` option of the `ESEUTIL` command can be confirmed by looking at the KAVX0282-E message output to the standard log (`drm_output.log`) on the backup server.

Message ID	Message Text	Description
		For more information about how to use the ESEUTIL command as well as how to troubleshoot problems, see the Exchange Server documentation.

Messages with IDs beginning with KAIB

This section describes messages related to the installer for Hitachi Command Suite products.

KAIB00000 - KAIB09999

The following table describes messages KAIB00000 to KAIB09999, which are related to the installer for Hitachi Command Suite products.

Table 2-2 KAIB00000 - KAIB09999 (messages related to the installer for Hitachi Command Suite products)

Message ID	Message Text	Description
KAIB00100-I	Hitachi Command Suite services are running on the management server. These services will stop if you continue the installation. To continue, click [OK].	*Cause* Hitachi Command Suite services are running on the management server. *Action* To stop Hitachi Command Suite services, click [**OK**] and continue your installation.
KAIB00101-I	Hitachi Command Suite services are running on the management server. These services will stop if you continue the removal. To continue, click [OK].	*Cause* Hitachi Command Suite services are running on the management server. *Action* To stop Hitachi Command Suite services, click [**OK**] and continue your removal process.
KAIB00103-I	If you are using any of the following products on this host, upgrade each product to version 8 or later, before starting operation: *Product name*	*Cause* - *Action* -
KAIB00104-I	If you are using any of the following products, upgrade each product, including any product used via remote connection, to version 8.5 or later, before starting operation: *Product name*	*Cause* - *Action* -

Message ID	Message Text	Description
KAIB00200-I	The files required for installation are on the media.	*Cause* - *Action* -
KAIB00225-I	There is *free-virtual-memory* MB of free virtual memory for the management server. Hitachi Command Suite requires *required-capacity*MB of virtual memory.	*Cause* - *Action* -
KAIB00226-I	The specified location has enough free capacity for installation. Disk: *disk*, Required: *required-capacity* MB, Available: *free-disk-capacity* MB Additional disk capacity may be needed if you back up the database at installation.	*Cause* - *Action* -
KAIB00227-I	OS version: *os-version*	*Cause* - *Action* -
KAIB00250-I	The HiRDB/ClusterService _HD1 service is stopped.	*Cause* - *Action* -
KAIB00251-I	The HiRDB/EmbeddedEdition _HD1 service is running.	*Cause* - *Action* -
KAIB00252-I	The installed Hitachi Command Suite version can be updated.	*Cause* - *Action* -
KAIB00253-I	No program is accessing the database from another machine.	*Cause* - *Action* -
KAIB00254-I	Hitachi Command Suite Common Component (32-bit) is not installed.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIB00255-I	Hitachi Command Suite Common Component (32-bit) was installed. Location: *installation-directory*	*Cause* - *Action* -
KAIB00256-I	Device Manager is not installed.	*Cause* - *Action* -
KAIB00257-I	Device Manager is installed. Location: *installation-directory*	*Cause* - *Action* -
KAIB00258-I	Tiered Storage Manager is not installed.	*Cause* - *Action* -
KAIB00259-I	Tiered Storage Manager is installed. Location: *installation-directory*	*Cause* - *Action* -
KAIB00260-I	Replication Manager is not installed.	*Cause* - *Action* -
KAIB00261-I	Replication Manager is installed. Location: *installation-directory*	*Cause* - *Action* -
KAIB00262-I	Tuning Manager is not installed.	*Cause* - *Action* -
KAIB00263-I	Tuning Manager is installed. Location: *installation-directory*	*Cause* - *Action* -
KAIB00264-I	The HiRDB/ClusterService _HD1 service is stopped.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIB00265-I	The HiRDB/EmbeddedEdition _HD1 service is running.	*Cause* - *Action* -
KAIB00266-I	Hitachi Command Suite Common Component (64-bit) is not installed.	*Cause* - *Action* -
KAIB00267-I	Hitachi Command Suite Common Component (64-bit) was installed. Location: *installation-directory*	*Cause* - *Action* -
KAIB00268-I	Products installed in the 32-bit application folder are moved to the 64-bit application folder (*folder-name*).	*Cause* - *Action* -
KAIB00269-I	CCI is not installed. The version of CCI that was provided with the Configuration Manager REST API will be used.	*Cause* - *Action* -
KAIB00270-I	The version of CCI that was provided with the Configuration Manager REST API is installed.	*Cause* - *Action* -
KAIB00271-I	CCI is installed.	*Cause* - *Action* -
KAIB00275-I	*host-name(ip-address)* is running.	*Cause* - *Action* -
KAIB00276-I	UDP port (162) is not being used.	*Cause* - *Action* -
KAIB00277-I	The Application Experience service is enabled.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIB00279-I	The processing of *Product name* was successful.	*Cause* - *Action* -
KAIB00280-I	The Hitachi Command Suite products on the management server are in a cluster configuration (*cluster-mode(active node or standby node)*).	*Cause* - *Action* -
KAIB00281-I	Configuration Manager REST API was not removed because it was installed separately. If you no longer need Configuration Manager REST API, then remove it separately.	*Cause* Configuration Manager REST API was not removed because it was installed separately. *Action* If you no longer need Configuration Manager REST API, remove it separately.
KAIB00900-I	The prerequisites check has finished. If a checked item does not have a Pass status, resolve the problem.	*Cause* The prerequisites check is finished. *Action* If a checked item does not have a Pass status, resolve the problem.
KAIB09000-I	The Hitachi Command Suite services started successfully. To verify service status, select [Status] from the Start menu.	*Cause* - *Action* -
KAIB09001-I	The Hitachi Command Suite services stopped successfully. To verify service status, select [Status] from the Start menu.	*Cause* - *Action* -
KAIB09004-I	Export of platform shift tool has completed successfully. Transfer export data to the management server of the shift. Export data path: *Export data path*	*Cause* - *Action* -
KAIB09005-I	Import of platform shift tool has completed successfully.	*Cause* - *Action* -

KAIB10000 - KAIB19999

The following table describes messages KAIB10000 to KAIB19999, which are related to the installer for Hitachi Command Suite products.

Table 2-3 KAIB10000 - KAIB19999 (messages related to the installer for Hitachi Command Suite products)

Message ID	Message Text	Description
KAIB10000-W	To access Tuning Manager you must run the htmsetup command after the installation.	*Cause* Unable to obtain Tuning Manager information. *Action* To access Tuning Manager you must run the `htmsetup` command after the installation.
KAIB10002-W	This location does not have enough space for the installation. Add more space or change the location. Disk: *Disk*, Required: *Capacity necessary*MB, Available: *Disk free space*MB	*Cause* There is not enough space for the installation. *Action* This location does not have enough space for the installation. Add more space or change the location.
KAIB10003-W	This location does not have enough space for the installation. Add more space. Disk: *Disk*, Required: *Capacity necessary*MB, Available: *Disk free space*MB	*Cause* There is not enough space for the installation. *Action* This location does not have enough space. Add more space or change the location.
KAIB10004-W	If you continue the removal, all files and folders under the target folder in the confirmation screen will be removed. Do you want to continue?	*Cause* This is a removal confirmation. *Action* If you continue the removal, all files and folders under the target folder in the confirmation screen will be removed.
KAIB10005-W	The installation host name is too long. Modify the host name to be fewer than 128 characters or specify an IP address in the installation window.	*Cause* The installation host name is too long. *Action* The management server host name is too long. Modify the host name to be fewer than 128 characters or specify an IP address in the installation window.
KAIB10006-W	The following folders will be removed for the backup. *backup folder*	*Cause* This backup folder already exists. *Action*

Message ID	Message Text	Description
	This folder will be deleted because the backup file folder specified already exists. To continue, click the [OK].	Remove the existing folder or specify another one.
KAIB10007-W	Virtual memory free space for the management server is *Free space of virtual memory*MB. Hitachi Command Suite requires *capacity-necessary*MB of virtual memory, so you must add more. Lack of free space may lead to unstable system and unable to run program.	*Cause* Not enough virtual memory free space for the management server. *Action* Add more space.
KAIB10008-W	Virtual memory free space for the management server is *free-virtual-memory*MB. Hitachi Command Suite requires *required-capacity*MB of virtual memory, so you must add more. Lack of free space may lead to unstable system and unable to run program. Note that Hitachi Command Suite services are running and some virtual memory is being consumed.	*Cause* There may not be enough virtual memory. *Action* Add more virtual memory if necessary. Note that Hitachi Command Suite services are running and some virtual memory is being consumed. If you stop Hitachi Command Suite services and restart Prerequisite Checker, you can have more accurate size.
KAIB10009-W	A connectivity check was performed for the local host, but there was no response. A communication error may have occurred because Hitachi Command Suite products perform communications using the local loopback address (localhost and 127.0.0.1) or the host name as the destination. Verify the local loopback address and the host name settings. Depending on network settings, this message may appear even if the local loopback address and the host name are set correctly. If this is the case, ignore this message and continue the installation.	*Cause* A connectivity check was performed for the local host, but there was no response. *Action* Verify the local loopback address and the host name settings.
KAIB10010-W	A connectivity check was performed for *host-name-or-*	*Cause*

Message ID	Message Text	Description
	ip-address, but there was no response. A communication error may have occurred because Hitachi Command Suite products perform communications using *host-name-or-ip-address* as the destination. Verify the value. Depending on network settings, this message may appear even if there is no problem with the specified value. If this is the case, ignore this message and continue the installation.	A network connectivity check was conducted for the specified value, but there was no response. *Action* Verify the specified value.
KAIB10011-W	Device Manager UDP port(162) for receiving SNMP Traps is in use by another application.	*Cause* Device Manager UDP port(162) for receiving SNMP Traps is in use by another application. *Action* Device Manager port for receiving SNMP Traps is in use by another application.
KAIB10012-W	Hitachi Command Suite is not supported on this OS. Verify which OSs are supported for the Hitachi Command Suite.	*Cause* Hitachi Command Suite is not supported on this OS. *Action* Verify the OSs supported for the Hitachi Command Suite.
KAIB10013-W	Remote connection information cannot be obtained. This is not a problem if Tuning Manager is not connected remotely.	*Cause* Remote connection information cannot be obtained. *Action* This is not an issue if Tuning Manager is not connected remotely.
KAIB10019-W	Processing cannot continue because at least one file at the installation destination is currently in use. Check whether any Hitachi Command Suite programs are running. If a program is running, wait until it finishes. If a program is waiting for user input, exit the program. If there are not any Hitachi Command Suite programs running, another program might be using a file	*Cause* Processing cannot continue because at least one file at the installation destination is currently in use. *Action* Check whether any Hitachi Command Suite programs are running. If a program is running, wait until it finishes. If a program is waiting for user input, exit the program. If there are not any Hitachi Command Suite programs running, another program might be using a file

Message ID	Message Text	Description
	temporarily. Check whether anti-virus software or a program that regularly accesses installed files is being used. If such a program is being used, prevent the program from running during the installation. Note: To view a list of the files in use, see the following: *filename*	temporarily. Check whether anti-virus software or a program that regularly accesses installed files is being used. If such a program is being used, prevent the program from running during the installation.
KAIB10020-W	Processing cannot continue because at least one file at the installation destination is currently in use. Check whether any Hitachi Command Suite programs are running. If a program is running, wait until it finishes. If a program is waiting for user input, exit the program. If there are not any Hitachi Command Suite programs running, another program might be using a file temporarily. Check whether anti-virus software or a program that regularly accesses installed files is being used. If such a program is being used, prevent the program from running during the removal. Note: To view a list of the files in use, see the following: *filename*	*Cause* Processing cannot continue because at least one file at the installation destination is currently in use. *Action* Check whether any Hitachi Command Suite programs are running. If a program is running, wait until it finishes. If a program is waiting for user input, exit the program. If there are not any Hitachi Command Suite programs running, another program might be using a file temporarily. Check whether anti-virus software or a program that regularly accesses installed files is being used. If such a program is being used, prevent the program from running during the removal.
KAIB10021-W	If you are using any of the following products on this host, you need to upgrade each product to version 8 or later: *Product name*	*Cause* - *Action* -
KAIB10022-W	If you are using any of the following products, you need to upgrade each product, including any product used via remote connection, to version 8.5 or later: *Product name*	*Cause* - *Action* -
KAIB10200-W	The Hitachi Command Suite services cannot be stopped. Stopping these services may be delayed. Click Retry.	*Cause* The Hitachi Command Suite services cannot be stopped.

Message ID	Message Text	Description
	If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	Causes include: - The management server is running, and stopping the service may be delayed. *Action* Click Retry. If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB10201-W	Unable to start the SLP service, but the installation will continue. After the installation, start the SLP service.	*Cause* Unable to start SLP service. *Action* After the installation, start the SLP service.
KAIB10202-W	Unable to release the SLP service, but the removal will continue. After the removal, release the SLP service.	*Cause* Unable to release SLP service. *Action* After the removal, release the SLP service.
KAIB10203-W	Unable to set up SMI-S. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* Unable to set up SMI-S. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting.
KAIB10204-W	Unable to access Tuning Manager, but the installation will continue. After the installation, run the htmsetup command to configure Tuning Manager access.	*Cause* Unable to communicate with Tuning Manager. *Action* After the installation, run the `htmsetup` command to configure Tuning Manager access.
KAIB10205-W	The Hitachi Command Suite services cannot be stopped, but the installation completed successfully. Stopping these services may be delayed. Please wait for a while, and then manually stop the services.	*Cause* The Hitachi Command Suite services cannot be stopped. Causes include: • The management server is running, and stopping the service may be delayed. *Action*

Message ID	Message Text	Description
	If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	Please wait for a while, and then manually stop the services. If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB10206-W	The program was not completely removed. A Hitachi Command Suite program may be running. To re-install, ensure there are no Hitachi Command Suite programs running. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information. If you do not want to install Hitachi Command Suite Common Component, there is no problem.	*Cause* The program was not completely removed. A Hitachi Command Suite program may be running. *Action* To re-install, ensure there are no Hitachi Command Suite programs running. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB10207-W	The program was not completely removed. A Hitachi Command Suite program may be running. To re-install, ensure there are no Hitachi Command Suite programs running. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information. If you do not want to install Hitachi Command Suite products, there is no problem.	*Cause* The program was not completely removed. A Hitachi Command Suite program may be running. *Action* To re-install, ensure there are no Hitachi Command Suite programs running. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB10208-W	The Host Data Collector port number was not registered as a firewall exception because the port is currently in use. After the installation is complete, change the Host Data Collector port number, and then register it as a firewall exception.	*Cause* The Host Data Collector port number to be registered as a firewall exception is currently in use. *Action* After the installation is complete, change the Host Data Collector port number, and then register it as a firewall exception. For details on changing ports and registering ports as

Message ID	Message Text	Description
		firewall exceptions, see the *Hitachi Command Suite Administrator Guide*.
KAIB10209-W	After the installation is complete, register the Host Data Collector port number as a firewall exception.	*Cause* Registration of the Host Data Collector firewall exception failed. *Action* After the installation is complete, register the Host Data Collector port number as a firewall exception. For details on registering ports as firewall exceptions, see the *Hitachi Command Suite Administrator Guide*.
KAIB10210-W	After Host Data Collector is removed, delete the Host Data Collector Base exception from the list of firewall exceptions.	*Cause* Deletion of the Host Data Collector firewall exception failed. *Action* After Host Data Collector is removed, delete the Host Data Collector Base exception from the list of firewall exceptions.
KAIB10211-W	Installation of Host Data Collector failed. To install Host Data Collector, use the Host Data Collector installer. If you cannot resolve this problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* Installation of Host Data Collector failed. *Action* To use Host Data Collector, use the separate Host Data Collector installer. If you cannot resolve this problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB10212-W	The format of the Host Data Collector port number is invalid. After the installation is complete, review the Host Data Collector port number in the hdcbase.properties file and start the Host Data Collector Base Service.	*Cause* The format of the Host Data Collector port number is invalid. *Action* After the installation is complete, review the Host Data Collector port number in the `hdcbase.properties` file and start the Host Data Collector Base Service. For details about reviewing the Host Data Collector port number, see the "*Hitachi Command Suite Administrator Guide*".
KAIB10213-W	Another program is using the Host Data Collector port number.	*Cause*

Message ID	Message Text	Description
	After the installation is complete, change the Host Data Collector port number in the hdcbase.properties file and start the Host Data Collector Base Service.	Another program is using the Host Data Collector port number. *Action* After the installation is complete, change the Host Data Collector port number in the `hdcbase.properties` file and start the Host Data Collector Base Service. For details about changing the Host Data Collector port number, see the "*Hitachi Command Suite Administrator Guide*".
KAIB10214-W	The JDK currently being used by Hitachi Command Suite is not supported after an upgrade. The JDK bundled with Hitachi Command Suite will be used instead. After the upgrade installation is complete, you can change the JDK to another version. Install the JDK you want to use, and then execute the hcmds64chgjdk command and specify the JDK you installed.	*Cause* The JDK currently being used by Hitachi Command Suite is not supported after an upgrade. The JDK bundled with Hitachi Command Suite will be used instead. *Action* After the upgrade installation is complete, you can change the JDK to another version. Install the JDK you want to use, and then execute the `hcmds64chgjdk` command and specify the JDK you installed.
KAIB10215-W	The Hitachi Command Suite services could not be stopped, but the installation completed successfully. To stop the services, wait a few minutes and then try again. If you cannot stop the services, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who might ask you to collect troubleshooting information.	*Cause* The Hitachi Command Suite services cannot be stopped. Causes include: • The management server is running, and stopping the service may be delayed. *Action* To stop the services, wait a few minutes and then try again. If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB10216-W	Host Data Collector Base Service could not be started. The format of the IP address that Host Data Collector uses for communicating with the management server is wrong, or the IP address cannot be used for communication.	*Cause* The format of the IP address that Host Data Collector uses for communicating with the management server is wrong, or the IP address cannot be used for communication. *Action*

Message ID	Message Text	Description
	After installation is complete, revise the value of hdc.service.rmi.registryIPAddress in the hdcbase.properties file, and then start Host Data Collector Base Service.	After installation is complete, revise the value of hdc.service.rmi.registryIPAddress in the `hdcbase.properties` file, and then start Host Data Collector Base Service. For details about changing the value of hdc.service.rmi.registryIPAddress, see the "*Hitachi Command Suite Administrator Guide*".
KAIB10217-W	After the upgrade, the 64-bit version of the JDK that is currently in use by Hitachi Command Suite will be required. Therefore, the JDK that is bundled with Hitachi Command Suite will be used instead. To use a different JDK, install the JDK separately, and then execute the hcmds64chgjdk command.	*Cause* After the upgrade, the 64-bit version of the JDK that is currently in use by Hitachi Command Suite will be required. Therefore, the JDK that is bundled with Hitachi Command Suite will be used instead. *Action* To use a different JDK, install the JDK separately, and then execute the `hcmds64chgjdk` command.
KAIB10218-W	After the upgrade, the 64-bit version of the Java environment that is currently in use by Host Data Collector will be required. Therefore, the Java environment that is bundled with Host Data Collector will be used instead. To use a different Java environment, install the Java environment separately, and then re-set the properties related to the Java environment in Host Data Collector.	*Cause* After the upgrade, a 64-bit version of the Java environment that is currently in use by Host Data Collector will be required. Therefore, the Java environment that is bundled with Host Data Collector will be used instead. *Action* To use a different Java environment, install the Java environment separately, and then re-set the properties related to the Java environment in Host Data Collector.
KAIB10219-W	Failed to enable SSL/TLS on the Device Manager server because the certificate of the Device Manager server is no longer valid, but installation will continue. After installation, you can update the certificate, and then enable SSL/TLS. For information about how to enable SSL/TLS, see the installation documentation.	*Cause* Failed to enable SSL/TLS on the Device Manager server because the certificate of the Device Manager server is no longer valid. *Action* After installation, you can update the Device Manager server certificate, and then enable SSL/TLS. For information about how to enable SSL/TLS, see the "*Hitachi Command Suite Installation and Configuration Guide*".
KAIB10220-W	Failed to enable SSL/TLS on the Device Manager server, but installation will continue. After installation, enable SSL/TLS. For information about	*Cause* Failed to enable SSL/TLS on the Device Manager server. *Action*

Message ID	Message Text	Description
	how to enable SSL/TLS, see the installation documentation.	After installation, enable SSL/TLS. For information about how to enable SSL/TLS, see the "*Hitachi Command Suite Installation and Configuration Guide*".
KAIB10221-W	The program that is being used by the Host Data Collector could not be removed. After the installation is complete, you must remove this program. For details about the removal procedure, contact customer support.	*Cause* The program that is being used by the Host Data Collector could not be removed. *Action* After the installation is complete, remove this program. For details about the removal procedure, contact customer support.
KAIB10222-W	Hitachi Command Suite services cannot be registered cluster management application resource group. Complete the installation, and then run the hcmds64clustersrvupdate command to register Hitachi Command Suite services.	*Cause* Hitachi Command Suite services cannot be registered in the cluster management application resource group. *Action* Complete the installation, and then run the `hcmds64clustersrvupdate` command to register Hitachi Command Suite services.
KAIB10223-W	Hitachi Command Suite services cannot be registered cluster management application resource group. Complete the removal, and then run the hcmds64clustersrvupdate command to register Hitachi Command Suite services.	*Cause* Hitachi Command Suite services cannot be registered in the cluster management application resource group. *Action* Complete the removal, and then run the `hcmds64clustersrvupdate` command to register Hitachi Command Suite services.
KAIB10224-W	The type of startup services could not be changed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* The type of startup services could not be changed. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB10228-W	The CCI version that is currently installed on the management server is not supported by the Configuration Manager REST API.	*Cause* The version of CCI currently installed on the management server is not supported by the Configuration Manager REST API. *Action*

Message ID	Message Text	Description
	To use the Configuration Manager REST API, upgrade CCI to a recent, supported version before installing the Configuration Manager REST API.	To use the Configuration Manager REST API, upgrade CCI to a version that is supported by the Configuration Manager REST API. Then, install the Configuration Manager REST API.
KAIB10229-W	Configuration Manager REST API services are running on the management server on which the installation is to be performed. The Configuration Manager REST API installed on this server is configured to run in a cluster environment. Complete the installation according to the setup procedure for a cluster environment.	*Cause* The Configuration Manager REST API that is already installed on this server is configured to run in a cluster environment. *Action* Refer to the manual, and complete the installation according to the setup procedure for a cluster environment.
KAIB10230-W	The Configuration Manager REST API installed on this server is configured to run in a cluster environment. For this reason, the service cannot be stopped. Refer to the manual, and complete the removal according to the removal procedure for a cluster environment.	*Cause* Because the Configuration Manager REST API on this server is configured to run in a cluster environment, the service cannot be stopped. *Action* Refer to the manual, and complete the removal according to the removal procedure for a cluster environment.
KAIB10231-W	The installation process for the Configuration Manager REST API cannot continue because one or more CCI files are in use on the installation destination. To use the Configuration Manager REST API, close the program that is using CCI before installing the Configuration Manager REST API.	*Cause* Processing to install the Configuration Manager REST API cannot continue because one or more CCI files is currently in use on the installation destination. *Action* To use the Configuration Manager REST API, close the program that is using CCI before installing the Configuration Manager REST API.
KAIB10232-W	The removal process for the Configuration Manager REST API cannot continue because one or more CCI files are in use on the installation destination. Close the program that is using CCI before removing the Configuration Manager REST API.	*Cause* Processing to remove the Configuration Manager REST API cannot continue because one or more CCI files is currently in use on the installation destination. *Action* Close the program that is using CCI before removing the Configuration Manager REST API.
KAIB10233-W	The Configuration Manager REST API could not be installed. To install the	*Cause*

Message ID	Message Text	Description
	Configuration Manager REST API, use the Configuration Manager REST API installer. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.	The Configuration Manager REST API could not be installed. *Action* To install the Configuration Manager REST API, use the Configuration Manager REST API installer. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIB10234-W	The Configuration Manager REST API cannot be installed because a file of the same name as the file to be installed already exists (*file-name*). To use the Configuration Manager REST API, rename, move, or delete the file, and then try again.	*Cause* Ensure that no file that has the same name as the file to be installed, exists. *Action* If there exists a file with a name that is identical to the name of the file to be installed, then either rename or delete the file, and then try again.
KAIB10301-W	*Server-name* server is starting. Wait a few minutes before using the Hitachi Command Suite. If you cannot use the Hitachi Command Suite, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* The management server is starting. *Action* Wait a few minutes before using the Hitachi Command Suite. If you cannot use the Hitachi Command Suite, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB10302-W	*Server-name* server is processing and the service cannot be stopped. Wait a few minutes before manually stopping the services. If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* The management server is running. *Action* Wait a few minutes before manually stopping the services. If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB19000-W	This location might not have enough space for export data. Add more space or change the location.	*Cause* There is not enough space for the installation.

Message ID	Message Text	Description
	Disk: *Disc*, Required: *Capacity necessary*MB, Available: *Disk free space*MB Do you want to continue? Enter Y to ignore and continue, N to cancel.	*Action* This location might not have enough space for export data. Add more space or change the location.

KAIB20000 - KAIB29999

The following table describes messages KAIB20000 to KAIB29999, which are related to the installer for Hitachi Command Suite products.

Table 2-4 KAIB20000 - KAIB29999 (messages related to the installer for Hitachi Command Suite products)

Message ID	Message Text	Description
KAIB20001-E	Only group *group-name* users can start the installer.	*Cause* Administrator permission is required for installation. *Action* Administrator permission is required for installation.
KAIB20002-E	Only group *group-name* user can perform a removal.	*Cause* Administrator permission is required for removal. *Action* Administrator permission is required for removal.
KAIB20003-E	Hitachi Command Suite cannot be installed in this OS version. Verify the supported OS versions for the Hitachi Command Suite.	*Cause* The OS version you are using is not supported. *Action* Verify the supported OS versions for the Hitachi Command Suite.
KAIB20004-E	Hitachi Command Suite cannot be installed in the Server Core environment. The installation will stop.	*Cause* The Server Core environment is not supported. *Action* Verify the supported Hitachi Command Suite environments.
KAIB20005-E	You cannot downgrade. A more recent version of Hitachi Command Suite is installed. The downgrade will stop.	*Cause* You cannot downgrade. *Action* Verify the Hitachi Command Suite version you are installing.

Message ID	Message Text	Description
KAIB20006-E	You cannot upgrade your *Product name* version. The upgrade will stop.	*Cause* You cannot upgrade your Hitachi Command Suite version. *Action* Verify that your version can be upgraded.
KAIB20007-E	You cannot perform the installation. An Hitachi Command Suite from a different vendor is installed. The installation will stop. Contact Support.	*Cause* Hitachi Command Suite provided by a different vendor is installed. *Action* Contact Support.
KAIB20008-E	You cannot perform the installation. The HiRDB/EmbeddedEdition _HD1 service is not running. The installation will stop. Start the HiRDB/EmbeddedEdition _HD1 service and try again.	*Cause* The HiRDB/EmbeddedEdition _HD1 service is not running. *Action* Start the HiRDB/EmbeddedEdition _HD1 before installing.
KAIB20010-E	Hitachi Command Suite services are running on the management server. Hitachi Command Suite products installed on this server are set up in a cluster environment. You must stop the services and manually set up the cluster environment.	*Cause* Existing Hitachi Command Suite products have been set up in the cluster environment. *Action* Hitachi Command Suite services are running on the management server. Hitachi Command Suite products installed on this server are set up in a cluster environment. You must stop the services and manually set up the cluster environment.
KAIB20011-E	The product cannot be installed because it is incompatible with an already-installed product. *Target product information "<exclusive-product-name> (version)"*	*Cause* The installation cannot be completed because an excluded product is installed. *Action* Uninstall the excluded product. Then, try the installation again.
KAIB20012-E	An internal error occurred. The installation will stop. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* An internal error occurred. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting.

Message ID	Message Text	Description
KAIB20013-E	You cannot perform the removal. Products that depend on the Hitachi Command Suite are installed. Remove the following products, and then remove the Hitachi Command Suite. *Product name*	*Cause* Products depending on the Hitachi Command Suite are installed. *Action* After removing the products that depend on the Hitachi Command Suite, remove the suite.
KAIB20014-E	Hitachi Command Suite products on this server are set up in a cluster environment. You must remove them following the cluster environment removal procedure.	*Cause* Hitachi Command Suite products are set up in a cluster environment. *Action* You must remove them following the cluster environment removal procedure.
KAIB20015-E	You cannot perform the installation. An Hitachi Command Suite from a different vendor is installed. The installation will stop. Contact Support.	*Cause* Hitachi Command Suite provided by a different vendor is installed. *Action* Contact Support.
KAIB20016-E	You cannot perform the removal because the HiRDB/EmbeddedEdition _HD1 service is not running. Start the HiRDB/EmbeddedEdition _HD1 service and try again.	*Cause* The HiRDB/EmbeddedEdition _HD1 service is not running. *Action* Start the HiRDB/EmbeddedEdition _HD1 service and try again.
KAIB20017-E	You cannot perform the installation because the HiRDB/ClusterService _HD1 service is running. Stop the HiRDB/ClusterService _HD1 service and try again.	*Cause* The HiRDB/ClusterService _HD1 service is running. *Action* Stop the HiRDB/ClusterService _HD1 service and try again.
KAIB20018-E	You cannot perform the removal because the HiRDB/ClusterService _HD1 service is running. Stop the HiRDB/ClusterService _HD1 service and try again.	*Cause* The HiRDB/ClusterService _HD1 service is running. *Action* Stop the HiRDB/ClusterService _HD1 service and try again.
KAIB20019-E	The JDK was not found. Use the hcmds64chgjdk command to set the JDK. If you do not use the JDK that comes with the Hitachi Command Suite, you must install it separately.	*Cause* The JDK is not set appropriately. *Action* Use the `hcmds64chgjdk` command to set the JDK.

Message ID	Message Text	Description
		If you do not use the JDK that comes with the Hitachi Command Suite, you must install it separately.
KAIB20020-E	You must run setup.exe to install Hitachi Command Suite.	*Cause* The command is not valid. *Action* Run `setup.exe` to install Hitachi Command Suite.
KAIB20021-E	File "*file-name*", required for installation, cannot be read. Causes include: - File copying from the integrated installation media to a Windows drive failed. - A copied file was deleted from a Windows drive. - The name of the copy destination folder contains characters other than single-byte alphanumeric characters (excluding special characters and blanks). If you cannot resolve this problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* A file required for installation cannot be read. Causes include: • File copying from the integrated installation media to a Windows drive failed. • A copied file was deleted from a Windows drive. • The name of the copy destination folder contains characters other than single-byte alphanumeric characters (excluding special characters and blanks). *Action* If you cannot resolve this problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB20022-E	Unable to read file "*file-name*". To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* Unable to read file. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB20023-E	<*Product name*> cannot be installed on a server on which a <*Installed Product name*>*Tuning Manager agents* has already been installed. To use <*Product name*> and *Tuning Manager agents* on the same server, install <*Product name*> first.	*Cause* Tuning Manager Agent is installed. *Action* Uninstall all instances of Tuning Manager Agent. Then, try the installation again.

Message ID	Message Text	Description
KAIB20024-E	A program on *ip-address* is connected to the management server database. Stop Tuning Manager server services on *ip-address*. The Tuning Manager server is probably accessing the database.	*Cause* A remote program is connected to the management server database. *Action* Stop the remotely connected Tuning Manager server service.
KAIB20025-E	Hitachi Command Suite cannot be installed because the Common Component path is too long.	*Cause* Hitachi Command Suite cannot be installed because the Common Component path is too long. *Action* Use the `hcmds64dbtrans` command to export Hitachi Command Suite data. Then, remove all products and reinstall them. Verify that the Common Component path does not exceed 72 bytes including "`\Base`". After reinstalling all products, import the data and reinstall Hitachi Command Suite.
KAIB20026-E	Hitachi Command Suite cannot be installed in the Minimal Server Interface environment. The installation will stop.	*Cause* The Minimal Server Interface environment is not supported. *Action* Verify the supported Hitachi Command Suite environments.
KAIB20027-E	Installation cannot be performed because the Application Experience service is disabled. Installation will now end. Change the Application Experience service start type to "Automatic", reboot the server, and then perform the installation again.	*Cause* The Application Experience service is disabled. *Action* Change the Application Experience service start type to "Automatic", reboot the server, and then perform the installation again.
KAIB20028-E	The JDK was not found. Use the hcmds64chgjdk command to set the JDK. If you do not use the JDK that comes with the Hitachi Command Suite, you must install it separately.	*Cause* The JDK is not set appropriately. *Action* Use the `hcmds64chgjdk` command to set the JDK. If you do not use the JDK that comes with the Hitachi Command Suite, you must install it separately.
KAIB20029-E	You cannot perform the installation because the HiRDB/	*Cause* The HiRDB/ClusterService _HD1 service is running.

Message ID	Message Text	Description
	ClusterService _HD1 service is running. Stop the HiRDB/ClusterService _HD1 service and try again.	*Action* Stop the HiRDB/ClusterService _HD1 service and try again.
KAIB20030-E	You cannot perform the installation. The HiRDB/EmbeddedEdition _HD1 service is not running. The installation will stop. Start the HiRDB/EmbeddedEdition _HD1 service and try again.	*Cause* The HiRDB/EmbeddedEdition _HD01service is not running. *Action* Start the HiRDB/EmbeddedEdition _HD1 before installing.
KAIB20031-E	A program on *IP-address* is connected to the management server database. Stop Tuning Manager server services on *IP-address*. The Tuning Manager server is probably accessing the database.	*Cause* A remote program is connected to the management server database. *Action* Stop the remotely connected Tuning Manager server service.
KAIB20032-E	You cannot perform the removal because the HiRDB/ClusterService _HD1 service is running. Stop the HiRDB/ClusterService _HD1 service and try again.	*Cause* The HiRDB/ClusterService _HD1 service is running. *Action* Stop the HiRDB/ClusterService _HD1 service and try again.
KAIB20033-E	You cannot perform the removal because the HiRDB/EmbeddedEdition _HD1 service is not running. Start the HiRDB/EmbeddedEdition _HD1 service and try again.	*Cause* The HiRDB/EmbeddedEdition _HD1 service is not running. *Action* Start the HiRDB/EmbeddedEdition _HD1 service and try again.
KAIB20034-E	Installation will stop because the evaluation version of Hitachi Command Suite is already installed. You cannot use the full version of Hitachi Command Suite together with the evaluation version. Uninstall the evaluation version, and then retry installation.	*Cause* You cannot use the full version of Hitachi Command Suite together with the evaluation version. *Action* Uninstall the evaluation version of Hitachi Command Suite, and then retry installation.
KAIB20035-E	The settings for managing a user account for a Hitachi Command Suite product that is installed on this server are incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer	*Cause* A Hitachi Command Suite product that is installed on this server contains incorrect settings for managing a user account. *Action*

Message ID	Message Text	Description
	support, who may ask you to collect troubleshooting information.	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB20036-E	The procedure stopped because the file listed below exists. Either rename the file and then try again; or, move or delete the file, and then try again. *file-name*	*Cause* Make sure that no other file, hardware link, or symbolic link has the same name. *Action* If there is a file, hard link, or symbolic link that has the same name as the specified directory, delete or rename it, and then try again.
KAIB20038-E	At least one Hitachi Command Suite program is running. Wait until the program has finished, and then try the operation again.	*Cause* At least one Hitachi Command Suite program is running. *Action* Confirm that the programs have finished, and then try the operation again.
KAIB20039-E	Processing cannot continue because the following required value is not specified in the PATH system environment variable. Add the following value to the PATH system environment variable, and then try again. *path* If you performed the operation from the command prompt or PowerShell, add the value to the PATH system environment variable, and then restart the command prompt or PowerShell. Afterward, try performing the operation again.	*Cause* Processing cannot continue because the required value is not specified in the PATH system environment variable. *Action* Add the path in the message to the PATH system environment variable, and then try again. If you performed the operation from the command prompt or PowerShell, add the value to the PATH system environment variable, and then restart the command prompt or PowerShell. Afterward, try performing the operation again.
KAIB20040-E	The clustering configurations of existing Hitachi Command Suite products version 7 and version 8 products do not match. Uninstall the existing version 8 or later versions of Hitachi Command Suite products, and then install them again.	*Cause* The clustering configurations of existing Hitachi Command Suite products version 7 and version 8 products do not match. *Action* Uninstall the existing version 8 or later versions of Hitachi Command Suite products, and then install them again.
KAIB20041-E	The installation cannot continue because a previous	*Cause*

Message ID	Message Text	Description
	installation for a clustering environment did not finish. Use the procedure to migrate Hitachi Command Suite products version 8 or later to a clustering environment by referring to the manual.	The installation cannot continue because a previous installation for a clustering environment did not finish. *Action* Use the procedure to migrate Hitachi Command Suite products version 8 or later to a clustering environment by referring to the manual.
KAIB20042-E	If a product is to be installed as a cluster configuration, a local user cannot install the product. Install the product as a domain user.	*Cause* If a product is to be installed as a cluster configuration, a local user cannot install the product. *Action* Install the product as a domain user.
KAIB20043-E	The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. Migrate the resource group to the host on which the installation will be completed.	*Cause* The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. *Action* Migrate the resource group to the host on which the installation will be completed.
KAIB20044-E	The resource group (including the shared disk that stores the database file) was not found. Register the shared disk with the resource group.	*Cause* The resource group (including the shared disk that stores the database file) was not found. *Action* Register the shared disk with the resource group.
KAIB20045-E	The Hitachi Command Suite products on the management server are in a cluster configuration. Remove the product as a domain user.	*Cause* The Hitachi Command Suite products on the management server are in a cluster configuration. *Action* Remove the product as a domain user.
KAIB20046-E	The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. Migrate the resource group to the host on which the removal will be completed.	*Cause* The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. *Action* Migrate the resource group to the host on which the removal will be completed.
KAIB20048-E	The installation destination for Hitachi Command Suite	*Cause*

Message ID	Message Text	Description
	Common Component includes an unexpected directory, which prevents the creation of a symbolic link. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	The installation destination for Hitachi Command Suite Common Component includes an unexpected directory, which prevents the creation of a symbolic link. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB20101-E	The installation path contains an invalid character. Valid characters are: A-Z a-z 0-9 . _ ( ) and the space character.	*Cause* The installation path contains an invalid character. *Action* These characters can be used for the installation path: A-Z a-z 0-9 . _ ( ) and a blank space. If parentheses are used, check whether (x86) and half-width spaces are used in the actual folder path.
KAIB20103-E	Specify up to 64 bytes for the installation path.	*Cause* The installation path is too long. *Action* Specify up to 64 bytes for the installation path.
KAIB20104-E	An invalid character is included in the path specified for the location for storing database files. Specify the following characters for the path in which the files will be stored. A-Z a-z 0-9 . _ ( ) and the space character Note: The following paths cannot be specified: - The root of a drive - Paths that include OS-reserved words	*Cause* An invalid character is included in the database file path. *Action* Specify the following characters for the database file path. A-Z a-z 0-9 . _ ( ) and the space character. The following paths cannot be specified: • The root of a drive • Paths that include OS-reserved words
KAIB20106-E	Specify up to 90 bytes for the database file path.	*Cause* The path specified for storing database files is too long. *Action* Specify up to 90 bytes for the database file path.
KAIB20109-E	The IPv4 address or host name is too long. Specify up to 128	*Cause*

Message ID	Message Text	Description
	bytes for the IPv4 address or host name.	The IPv4 address or host name is too long. *Action* Up to 128 bytes are allowed for the IPv4 address or host name.
KAIB20110-E	An invalid character is included in the IPv6 address. Valid characters are: A-F a-f 0-9 . :	*Cause* The IPv6 address is invalid. *Action* Valid characters for the IPv6 address are: `A-F a-f 0-9 . :`
KAIB20111-E	The IPv6 address is too long. Specify up to 47 bytes for the IPv6 address.	*Cause* The IPv6 address is too long. *Action* Up to 47 bytes are allowed for the IPv6 address.
KAIB20113-E	An invalid character is included in the backup file path. Valid characters are: A-Z a-z 0-9 . _ ( ) and the space character.	*Cause* An invalid character is included in the database file path. *Action* Valid characters for the database file path are: `A-Z a-z 0-9 . _ ( )` and the space character.
KAIB20114-E	Specify up to 150 bytes for the backup file path.	*Cause* The path for backup files is too long. *Action* Specify up to 150 bytes for the backup file path.
KAIB20115-E	An error occurred. Hitachi Command Suite installation will stop. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* An error occurred. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting.
KAIB20116-E	The property (*property name*) cannot be omitted. Specify the HINST_DBDIR or HINST_IPADDRESS property.	*Cause* `HINST_DBDIR` or `HINST_IPADDRESS` property must be specified when installing in the cluster environment. *Action* Specify the `HINST_DBDIR` or `HINST_IPADDRESS` property.

Message ID	Message Text	Description
KAIB20117-E	The property(*property name*) is invalid. Specify TRUE or FALSE.	*Cause* A value other than `TRUE` or `FALSE` is specified. *Action* Specify `TRUE` or `FALSE`.
KAIB20118-E	The property(*property name*) is invalid. Specify SMALL, MEDIUM, or LARGE.	*Cause* A value other than `SMALL`, `MEDIUM`, or `LARGE` is specified. *Action* Specify `SMALL`, `MEDIUM`, or `LARGE`.
KAIB20119-E	The property(*property name*) is invalid. Specify SMALL or MEDIUM.	*Cause* A value other than `SMALL` or `MEDIUM` is specified. *Action* Specify `SMALL` or `MEDIUM`.
KAIB20120-E	The property(*property name*) is invalid. The specified folder cannot be used.	*Cause* The `HINST_INSTDIR`, `HINST_DBDIR` or `HINST_DBBACKUPDIR` property is invalid. The specified drive cannot be accessed, or the drive does not exist. *Action* Specify a valid drive path.
KAIB20121-E	The program cannot be installed on a network drive. Specify a local disk.	*Cause* A network drive was specified for the program installation folder. *Action* Specify a local disk.
KAIB20122-E	The database files cannot be stored on a network drive. Specify a local disk.	*Cause* A network drive was specified for storing database files. *Action* Specify a local disk.
KAIB20123-E	The database backup files cannot be stored on a network drive. Specify a local disk.	*Cause* A network drive was specified for storing database backup files. *Action* Specify a local disk.
KAIB20124-E	Hitachi Command Suite cannot be installed on the path below. Specify a different path. - *list-of-prohibited-paths*	*Cause* Hitachi Command Suite cannot be installed on the specified path. *Action* Specify a different path.

Message ID	Message Text	Description
KAIB20125-E	The database files cannot be stored in the path below. Specify a different path. - *list-of-prohibited-paths*	*Cause* The database files cannot be stored on the specified path. *Action* Specify a different path.
KAIB20126-E	The backup files cannot be stored in the path below. Specify a different path. - *list-of-prohibited-paths*	*Cause* The backup files cannot be stored on the specified path. *Action* Specify a different path.
KAIB20127-E	Specify a resource group name that does not exceed 1,024 bytes.	*Cause* The specified resource group name is too long. *Action* Specify a resource group name that does not exceed 1,024 bytes.
KAIB20128-E	Specify a logical host name (client access point) that does not exceed 128 bytes.	*Cause* The specified logical host name (client access point) is too long. *Action* Specify a logical host name (client access point) that does not exceed 128 bytes.
KAIB20129-E	Specify an active node host name that does not exceed 128 bytes.	*Cause* The specified active node host name is too long. *Action* Specify an active node host name that does not exceed 128 bytes.
KAIB20130-E	Specify a standby node host name that does not exceed 128 bytes.	*Cause* The specified standby node host name is too long. *Action* Specify a standby node host name that does not exceed 128 bytes.
KAIB20131-E	The specified resource group is not found. Use the clustering management application to verify that the specified resource group is registered.	*Cause* The specified resource group is not found. *Action* Use the clustering management application to verify that the specified resource group is registered.
KAIB20132-E	The specified logical host name (client access point) is not a member of a resource group.	*Cause*

Message ID	Message Text	Description
	Use the clustering management application to verify configuration and ensure that you specify a logical host name (client access point) in a resource group.	The specified logical host name (client access point) is not a member of the resource group. *Action* Use the clustering management application to verify the configuration and ensure that you specify a logical host name (client access point) that is a member of a resource group.
KAIB20133-E	The shared disk providing the database store is not a member of a resource group. Use the clustering management application to verify configuration and ensure you specify a path on a shared disk in a resource group.	*Cause* The shared disk providing the database store is not a member of the resource group. *Action* Use the clustering management application to verify configuration and ensure that you specify a path on a shared disk that belongs to a resource group.
KAIB20134-E	The resource group name contains an invalid character. The following characters cannot be used: ! " &) * ^ | < >	*Cause* The resource group name contains an invalid character. *Action* Specify a resource group name that does not contain the following characters: ! " &) * ^ | < >
KAIB20135-E	Hitachi Command Suite products do not support a clustering environment with more than three nodes.	*Cause* Hitachi Command Suite products do not support a clustering environment with more than three nodes. *Action* -
KAIB20136-E	A database file created on the active node already exists in the specified database file storage destination. This means that the current installation as the active node is not possible. Complete one of the following options: - Install as the standby node. - Install as the active node by (1) deleting the database storage destination on the shared disk, then (2) installing as the active node.	*Cause* A database file created on the active node already exists in the specified database file storage destination. *Action* Install as the standby node. To install as the active node, (1) delete the database storage destination on the shared disk, then (2) reinstall as the active node.

Message ID	Message Text	Description
KAIB20137-E	No database file created on the active node exists in the specified database file storage destination. Installation as the standby node is not possible. The following are possible causes: - The database file storage destination that was specified on the active node, was not specified. - Installation has not been performed on the active node. To continue, specify the database file storage destination that was specified on the active node. If no installation occurred on the active node, then complete the installation now.	*Cause* No database file created on the active node exists in the specified database file storage destination. The following are possible causes: • The database file storage destination that was specified on the active node, is not specified. • No installation occurred on the active node. *Action* Specify the database file storage destination specified on the active node. If no installation occurred on the active node, then install on the active node now.
KAIB20138-E	Please specify *input-item(Resource group name or Logical host name or Active node host name or Standby node host name or Database folder)*.	*Cause* No information was specified. *Action* -
KAIB20139-E	The property(*property name*) is invalid. Specify ACTIVE or STANDBY.	*Cause* A value other than ACTIVE or STANDBY is specified. *Action* Specify ACTIVE or STANDBY.
KAIB20140-E	The property (*property name*) cannot be omitted. Specify the HINST_CLUSTER_RESOURCEGROUPNAME, HINST_CLUSTER_HOSTNAME_ACTIVE or HINST_CLUSTER_HOSTNAME_STANDBY property.	*Cause* `HINST_CLUSTER_RESOURCEGROUPNAME`, `HINST_CLUSTER_HOSTNAME_ACTIVE` or `HINST_CLUSTER_HOSTNAME_STANDBY` property must be specified when installing in the cluster environment. *Action* Specify the `HINST_CLUSTER_RESOURCEGROUPNAME`, `HINST_CLUSTER_HOSTNAME_ACTIVE` or `HINST_CLUSTER_HOSTNAME_STANDBY` property.
KAIB20200-E	An error for Hitachi Command Suite Common Components occurred. To determine the cause and resolve the problem, detailed investigation is required.	*Cause* An error for Hitachi Command Suite Common Components occurred. *Action*

Message ID	Message Text	Description
	Contact Support Center, who may ask you to collect troubleshooting information.	To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting.
KAIB20201-E	An error for Hitachi Command Suite Common Components occurred. The removal will continue. To determine the cause and resolve the problem, detailed investigation is required. After the removal, contact Support Center, who may ask you to collect troubleshooting information.	*Cause* An error for Hitachi Command Suite Common Components occurred during the removal. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting.
KAIB20204-E	Unable to backup the database(*Cause*). The installation will stop. Add space to the backup location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* The backup folder does not have enough space. *Action* Add space to the backup location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB20205-E	Unable to backup the database. The installation will stop. Please wait for a while, and then try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* An attempt to start or stop HiRDB services while the database was being backed up or exported. Causes include: • The storage system is running. *Action* Please wait for a while, and then try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB20206-E	Unable to remove completely. To determine the cause and resolve the problem, detailed investigation is required.	*Cause* Unable to remove completely. *Action* To determine the cause and resolve the problem, detailed investigation is required.

Message ID	Message Text	Description
	Contact Support Center, who may ask you to collect troubleshooting information.	Contact Support Center, who may ask you to collect troubleshooting information.
KAIB20207-E	The JDK setting is not valid. Set the JDK setting with the hcmds64chgjdk command.	*Cause* The JDK setting is not valid. *Action* Set the JDK with the `hcmds64chgjdk` command.
KAIB20208-E	Unable to extract files. Causes: - A Hitachi Command Suite program is running. - The install location does not have enough space. - There is a problem with the installation media. If any of the above apply, resolve the problem and re-install the product. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* Unable to extract files. Causes: • A Hitachi Command Suite program is running. • The install location does not have enough space. • There is a problem with the installation media. *Action* Resolve the problem and re-install. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB20209-E	Hitachi Command Suite services cannot be deleted from the cluster management resource group. The cluster management application processing might temporarily be taking a long time. Wait a while, and then try installing again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.	*Cause* Hitachi Command Suite services cannot be deleted from the cluster management resource group. The cluster management application processing might be temporarily taking a long time. *Action* Wait a while, and then try installing again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIB20210-E	Hitachi Command Suite services cannot be deleted from the cluster management resource group. The cluster management application processing might temporarily be taking a long time.	*Cause* Hitachi Command Suite services cannot be deleted from the cluster management resource group. The cluster management application processing might be temporarily taking a long time.

Message ID	Message Text	Description
	Wait a while, and then try removing again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.	*Action* Wait a while, and then try removing again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIB20211-E	Unable to stop SLP service. See the manual for the procedure to stop SLP service, and then retry the installation.	*Cause* Unable to stop SLP service. *Action* See the manual for the procedure to stop SLP service, and then retry the installation.
KAIB20212-E	Unable to stop SLP service. See the manual for the procedure to stop SLP service, and then retry the removal.	*Cause* Unable to stop SLP service. *Action* See the manual for the procedure to stop SLP service, and then retry the removal.
KAIB20301-E	Unable to initialize *server-name(Device ManagerorTiered Storage Manager)* server. Verify that: • The Hitachi Command Suite port is not used by management server programs. • There is sufficient virtual memory. • The URL displayed by the "hcmds64chgurl *command-option(Windows: /print, Unix: -print)*" command corresponds to *host-name-type(For a non-cluster environment:host name or IP address of the management server, For a cluster environment:logical host name)*. • The host name of the management server can be resolved correctly.	*Cause* Causes: • The Hitachi Command Suite port is used by management server programs. • The management server does not have sufficient free virtual memory. • The URL for accessing a Hitachi Command Suite product is incorrect. • Name resolution is not working correctly on the management server. *Action* Confirm the following: • Port conflicts Verify that the Hitachi Command Suite port is not used by management server programs. If there is a conflicting port, close the program that uses that port or modify Hitachi Command Suite settings. For more information, see the *Hitachi Command Suite Administrator Guide*. • Virtual Memory

Message ID	Message Text	Description
		Verify that the management server has sufficient free virtual memory. • Host name and IP address settings Verify that the management server host name or IP address is specified in the URL displayed by the "`hcmds64chgurl` command-option(Windows: `/print`, Unix: `-print`)" command. To modify this setting, use the "`hcmdschgurl` command-option(Windows: `/change`, Unix: `-change`)" command. For more information, see the *Hitachi Command Suite Administrator Guide*. • Name Resolution Verify that the management server host name and '`localhost`' are correctly resolved to the address on the management server. In a cluster environment, also confirm the logical host name.
KAIB20302-E	Migration of program data during installation has failed. Migrate the program data manually. Data required for migration is in the following locations. *migration-data-path* For details on the procedure, see the documents concerning migration from version 7 and earlier.	*Cause* Migration of program data during installation has failed. *Action* Perform migration of the program data manually.
KAIB20303-E	The processing of *Product name* failed.	*Cause* - *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB20900-E	An error occurred during the prerequisites check. To determine the cause and resolve the problem, detailed investigation is required.	*Cause* An error occurred during the prerequisites check. *Action*

Message ID	Message Text	Description
	Contact the Support Center, who may ask you to collect troubleshooting information.	To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting.
KAIB29000-E	The Hitachi Command Suite services cannot be started.	*Cause* An error occurred while starting Hitachi Command Suite services. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB29001-E	The Hitachi Command Suite services cannot be stopped.	*Cause* An error occurred while stopping Hitachi Command Suite services. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB29002-E	Only *group-name* group users can re-execute the command.	*Cause* Administrator permission is required for this command. *Action* Administrator permission is required for this command.
KAIB29003-E	Unable to find file *file-name*.	*Cause* Unable to find the file for this operation. *Action* Upgrade Hitachi Command Suite and try again. If this problem continues, contact Support.
KAIB29004-E	An error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* An error occurred. *Action* To determine the cause and resolve the problem, detailed investigation is required.

Message ID	Message Text	Description
		Contact Support Center, who may ask you to collect troubleshooting information.
KAIB29006-E	This tool has been already run. After having confirmed the end of the tool, re-execute the command.	*Cause* This tool has been already run. *Action* After having confirmed the end of the tool, re-execute the command.
KAIB29007-E	hc_exportdata folder already exists in enter path. You change a folder name or move it, and, re-execute the command.	*Cause* hc_exportdata folder already exists in enter path. *Action* You change a folder name or move it, and, re-execute the command.
KAIB29008-E	hc_exportdata folder does not exist anymore in the input storage. You confirm that hc_exportdata folder is stored, and, re-execute the command.	*Cause* hc_exportdata folder does not exist anymore in the input storage. *Action* You confirm that hc_exportdata folder is stored, and, re-execute the command.
KAIB29009-E	Hitachi Command Suite Common Component 32bit is not installed. After installed Hitachi Command Suite Common Component 32bit premise product, re-execute the command.	*Cause* Hitachi Command Suite Common Component 32bit is not installed. *Action* After having installed Hitachi Command Suite Common Component 32bit premise product, re-execute the command.
KAIB29010-E	The export function cannot run, because Hitachi Command Suite Common Component 64bit is installed already.	*Cause* The export function cannot run, because Hitachi Command Suite Common Component 64bit is installed already. *Action* If you migrate the management server, see the *Hitachi Command Suite Administrator Guide*.
KAIB29011-E	Hitachi Command Suite Common Component 64bit is not installed. After having installed Hitachi Command Suite Common Component 64bit premise product, re-execute the command.	*Cause* Hitachi Command Suite Common Component 64bit is not installed. *Action* After having installed Hitachi Command Suite Common Component 64bit premise product, re-execute the command.

Message ID	Message Text	Description
KAIB29012-E	Unable to export the database. Return code = *Return value* Add space to the export location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* Unable to export the database. *Action* Add space to the export location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB29013-E	Unable to import the database. Return code = *Return value* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* Unable to import the database. *Action* Add space to the import location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB29014-E	Unable to export *Product Name* product data. Return code = *Return value* Add space to the export location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* Unable to export the database. *Action* Add space to the export location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB29015-E	Unable to import *Product Name* product data. Return code = *Return value* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* Unable to import the database. *Action* Add space to the import location and try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required.

Message ID	Message Text	Description
		Contact customer support, who may ask you to collect troubleshooting information.

KAIB30000 - KAIB39999

The following table describes messages KAIB30000 to KAIB39999, which are related to the installer for Hitachi Command Suite products.

Table 2-5 KAIB30000 - KAIB39999 (messages related to the installer for Hitachi Command Suite products)

Message ID	Message Text	Description
KAIB30200-I	You can run the program on the installation media.	*Cause* - *Action* -
KAIB30225-I	The SUNWj5rt package is installed.	*Cause* - *Action* -
KAIB30226-I	All required files are installed. *file-information*	*Cause* - *Action* -
KAIB30228-I	The kernel parameters are set.	*Cause* - *Action* -
KAIB31011-I	Run the Kill command.	*Cause* - *Action* -

KAIB40000 - KAIB49999

The following table describes messages KAIB40000 to KAIB49999, which are related to the installer for Hitachi Command Suite products.

Table 2-6 KAIB40000 - KAIB49999 (messages related to the installer for Hitachi Command Suite products)

Message ID	Message Text	Description
KAIB40001-W	The Hitachi Command Suite services cannot be stopped. Stopping these services may be delayed. Type y to retry. If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information. Do you want to retry? (y/n)	*Cause* The Hitachi Command Suite services cannot be stopped. Causes include: • The storage system is running and the service cannot be stopped. *Action* Type `y` to retry, `n` to stop. If you cannot stop the services, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB40002-W	If you continue the installation, some code will be downgraded. Do you want to continue? (y/n)	*Cause* If you continue the installation, some code will be downgraded. *Action* Downgrade your version.
KAIB40004-W	Before installing the Hitachi Command Suite, set the kernel parameter. If the kernel parameter is set for another application, add the Hitachi Command Suite value to an existing setting. After setting the kernel parameter, input y and continue. Do you want to continue? (y/n)	*Cause* It is a prior confirmation for the Hitachi Command Suite installation. *Action* If the kernel parameter is set, input `y` and continue. If not, input `n` and set the kernel parameter referring to the manual.
KAIB40007-W	The management server host name cannot be more than 128 characters. Modify the host name or specify an IP address in the installation window.	*Cause* The management server host name is too long. *Action* The management server host name cannot be more than 128 characters. Modify the host name or specify an IP address in the installation window.
KAIB40008-W	SNMP Trap conflict: The Hitachi Command Suite UDP port(162) for receiving SNMP Traps is in use by another application. If you continue with the installation,	*Cause* The Hitachi Command Suite UDP port(162) for receiving SNMP Traps is in use by another application. *Action*

Message ID	Message Text	Description
	the Hitachi Command Suite SNMP Trap will be disabled. Do you want to continue? (y/n)	The Hitachi Command Suite port for receiving SNMP Traps is in use by another application. If you continue with the installation, the Hitachi Command Suite SNMP Trap will be disabled. Do you want to continue? (y/n)
KAIB40009-W	The installer cannot start because there is insufficient disk space. Disk: *disk*, Available: *disk-free-space*MB	*Cause* Insufficient disk space for starting the installer. *Action* Verify that the required disk space as described in the manual is available.
KAIB40010-W	The removal function cannot start because there is insufficient disk space. Disk: *disk*, Required: *required-space*MB, Available: *disk free space*MB	*Cause* Insufficient disk space for starting the removal function. *Action* Verify that the required disk space is available.
KAIB40200-W	Installation of Host Data Collector failed, because the required Java product for Host Data Collector is not installed. Install the Java product, and then try to install Host Data Collector again.	*Cause* The required Java product for Host Data Collector is not installed. *Action* Install the required Java product, and then try to install Host Data Collector again. For details, see the *Hitachi Command Suite Administrator Guide*.
KAIB40201-W	Host Data Collector installation failed. The JRE (Java Runtime Environment) specified for javapathlocation in the javaconfig.properties file cannot be used. Check whether the JRE path specified for javapathlocation in the javaconfig.properties file is correct, and then retry the installation.	*Cause* The JRE specified for javapathlocation in the javaconfig.properties file cannot be used. *Action* Check whether the JRE path specified for javapathlocation in the javaconfig.properties file is correct, and then retry the installation. For details about javapathlocation, see the *Hitachi Command Suite Administrator Guide*.
KAIB40202-W	Host Data Collector removal failed. The JRE (Java Runtime Environment) specified for javapathlocation in the javaconfig.properties file cannot be used. Check whether the JRE path specified for javapathlocation in the javaconfig.properties file is	*Cause* The JRE specified for javapathlocation in the javaconfig.properties file cannot be used. *Action* Check whether the JRE path specified for javapathlocation in the javaconfig.properties file is correct, and then retry the removal. For details

Message ID	Message Text	Description
	correct, and then retry the removal.	about javapathlocation, see the *Hitachi Command Suite Administrator Guide*.
KAIB40203-W	No SLP service is installed. After the installation is complete, if required, install OpenSLP and start the SLP service.	*Cause* No SLP service is installed. *Action* When you use the service Discovery function, install OpenSLP accompanying the OS, and then start the SLP service.
KAIB40204-W	This operating system is not supported for Tuning Manager version 8.5 or later. Install Tuning Manager on a different host, and then enable remote connection. For details about how to enable remote connection in Tuning Manager, see the Tuning Manager manuals.	*Cause* - *Action* -

KAIB50000 - KAIB59999

The following table describes messages KAIB50000 to KAIB59999, which are related to the installer for Hitachi Command Suite products.

Table 2-7 KAIB50000 - KAIB59999 (messages related to the installer for Hitachi Command Suite products)

Message ID	Message Text	Description
KAIB50006-E	The installation path contains an invalid character. Valid characters are: A-Z a-z 0-9 _ / Note that these directories cannot be specified: - /usr - /usr/local - /var - The root directory (/)	*Cause* The installation path contains an invalid character. *Action* These characters are valid for the installation path: `A-Z a-z 0-9 _ /`
KAIB50008-E	An invalid character is included in the database file path. Valid characters are: A-Z a-z 0-9 . _ /	*Cause* Invalid database path character. *Action* Use valid characters.
KAIB50018-E	The property(*Specified property*) is invalid.	*Cause* Invalid property name.

Message ID	Message Text	Description
		Action Invalid syntax.
KAIB50019-E	Syntax error. Usage: install.sh [-s [property=value] ...] -s silent mode Possible properties (see manual for more details): HINST_INSTDIR Installation directory [/opt/HiCommand] HINST_DBDIR Database directory [/var/opt/HiCommand/database] HINST_IPADDRESS Host name or IP address [`hostname`] HINST_DBBACKUP (TRUE|FALSE) [TRUE] HINST_DBBACKUPDIR Database backup directory [/var/opt/HiCommand/backup] HINST_HDVMHEAP (SMALL|MEDIUM|LARGE) [LARGE] HINST_RUNSERVICE (TRUE|FALSE) [TRUE] HINST_IGNORE_CAPACITY_CHECK (TRUE|FALSE) [FALSE] HINST_IGNORE_NETWORKING_CHECK (TRUE|FALSE) [FALSE] HINST_IGNORE_VIRTUAL_MEMORY_CHECK (TRUE|FALSE) [FALSE] Example: install.sh -s HINST_INSTDIR=/opt/HiCommand	*Cause* Syntax error. *Action* Invalid syntax.
KAIB50020-E	The specified property value(*Specified property*) is not in a valid format for the property(*Property*).	*Cause* Invalid property value. *Action* Invalid syntax.
KAIB50021-E	The specified property value(*Specified property*) is too long for the property(*Property*).	*Cause* Property value is too long. *Action* Please confirm the upper bound of the specified value referring to the manual.
KAIB50023-E	An invalid character is included in the backup file path. Valid characters are:	*Cause* Invalid character.

Message ID	Message Text	Description
	A-Z a-z 0-9 _ /	*Action* Use valid characters.
KAIB50024-E	The following kernel parameters are smaller than the minimum value. *Setting Information* *Action*	*Cause* The kernel parameters are smaller than the minimum value. *Action* Set adequate kernel parameters referring to the manual.
KAIB50025-E	The following shell limits are smaller than the minimum value. *Setting Information* *Action*	*Cause* The shell limits are smaller than the minimum value. *Action* Set adequate shell limits referring to the manual.
KAIB50026-E	The mount path contains an invalid character. Valid characters are: A-Z a-z 0-9 _ /	*Cause* The mount path contains an invalid character. *Action* Valid characters are: A-Z a-z 0-9 _ /
KAIB50027-E	The path of the directory to be used for the installation contains a symbolic link, which is not allowed. Please change the path of the installation directory. Directory to be used for the installation: *path contains a symbolic link*	*Cause* The path of the directory to be used for the installation contains a symbolic link, which is not allowed. *Action* Please change the installation directory.
KAIB50028-E	The path of the directory to be used for the installation contains a symbolic link, which is not allowed. Please remove Hitachi Command Suite and reinstall it in a different location. Directory to be used for the installation: *path contains a symbolic link*	*Cause* The path of the directory to be used for the installation contains a symbolic link, which is not allowed. *Action* Please remove Hitachi Command Suite and reinstall it in a different location.
KAIB50029-E	A specified argument is invalid.	*Cause* An invalid argument was specified. *Action* Specify the argument correctly.
KAIB50030-E	Prerequisite Checker cannot start because there is insufficient disk space.	*Cause* There is insufficient disk space to start Prerequisite Checker.

Message ID	Message Text	Description
	Disk: *disk*, Required: *required-space*MB, Available: *available-disk-space*MB	*Action* Verify that the required disk space is available.
KAIB51001-E	The installer must be run by a root user. The installation will stop.	*Cause* A non root user is performing the installation. *Action* Log in as an root user and perform the installation.
KAIB51002-E	Only root user can perform a removal. The removal will stop.	*Cause* A non root user cannot perform a removal. *Action* Removal must be performed by a root user.
KAIB51003-E	Hitachi Command Suite cannot be installed in this OS version. Verify the supported OS versions for the Hitachi Command Suite.	*Cause* The OS version you are using is not supported. *Action* Verify the supported OS versions for the Hitachi Command Suite.
KAIB51004-E	This installer is version *OS or architecture*. Verify the installation media or installer.	*Cause* The installer does not correspond to the OS or architecture. *Action* Verify if the installation media(or the installer) matches the server type (OS and/or processor architecture).
KAIB51005-E	Hitachi Command Suite cannot be installed in zones that are not global.	*Cause* Hitachi Command Suite cannot be installed in zones that are not global. *Action* Install on a global zone.
KAIB51006-E	You must install the JDK.	*Cause* You must install the JDK. *Action* You must install the JDK.
KAIB51007-E	The installation media file cannot run. Verify the mount options with the mount command. If the "noexec" option is used, re-mount the installation media without the "noexec" option.	*Cause* The installation media may be mounted with the "`noexec`"option. *Action* Verify the mount options with the `mount` command. If the "`noexec`"option is used, re-mount the installation media without the "`noexec`"option.

Message ID	Message Text	Description
	If you cannot resolve the problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	If you cannot resolve the problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB51008-E	Unable to run a file on the installation media. The installation media may be damaged. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* The installation media may be damaged. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB51009-E	File "*file-name*", required for installation, cannot be read. Causes include: - The files on the installation media are insufficient, or you do not have execution permission. - The name of the mount point includes a character other than one-byte alphanumeric characters or "_". If you cannot resolve this problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* A file required for installation cannot be read. Causes include: • The files on the installation media are insufficient, or you do not have execution permission. • The name of the mount point includes a character other than one-byte alphanumeric characters or "_". *Action* If you cannot resolve this problem, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB51010-E	A file was not found. Install any packages that have not been installed: *file-information* Note: For library packages marked with an asterisk (*), install the 32-bit version.	*Cause* A package is not installed. *Action* Install any libraries that have not been installed.
KAIB51013-E	The removal has been canceled because you cannot use this directory. Specify another directory and try again.	*Cause* You are using this directory. *Action*

Message ID	Message Text	Description
		Specify another directory and try again.
KAIB51014-E	Device Manager is installed in directory *installation-directory*. If Device Manager is installed in these directories, it cannot be upgraded: - /usr - /usr/local - /var Remove Device Manager and install Hitachi Command Suite in another location.	*Cause* If Device Manager is installed in these directories, it cannot be upgraded: • `/usr` • `/usr/local` • `/var` *Action* Remove Device Manager and install Hitachi Command Suite in another location.
KAIB53007-E	The Hitachi Command Suite services cannot be stopped. Please wait for a while, and then try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* The Hitachi Command Suite services cannot be stopped. Causes include: • The storage system is running and the service cannot be stopped. *Action* Please wait for a while, and then try again. If this error happens again, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIB59000-E	hc_exportdata directory already exists in enter path. You change a directory name or move it, and, please carry it out again.	*Cause* hc_exportdata directory already exists in enter path. *Action* You change a directory name or move it, and, please carry it out again.
KAIB59001-E	hc_exportdata directory does not exist anymore in the input storage. You confirm that hc_exportdata directory is stored, and, please carry it out again.	*Cause* hc_exportdata directory does not exist anymore in the input storage. *Action* You confirm that hc_exportdata directory is stored, and, please carry it out again.

KAIB60000 - KAIB69999

The following table describes messages KAIB60000 to KAIB69999, which are related to the installer for Hitachi Command Suite products.

Table 2-8 KAIB60000 - KAIB69999 (messages related to the installer for Hitachi Command Suite products)

Message ID	Message Text	Description
KAIB60000-I	System OS version: *os-name*	*Cause* - *Action* -
KAIB60001-I	This system was set up by selecting the Full option during the installation of *os-installation-option(Full installation or Server with a GUI)*.	*Cause* - *Action* -
KAIB60002-I	This system has sufficient virtual memory. (required amount = *required-virtual-memory* MB, available amount = *free-virtual-memory* MB)	*Cause* - *Action* -
KAIB60003-I	The installation destination has sufficient unused capacity. drive = *disk*, required capacity = *required-capacity* MB, unused capacity = *free-disk-capacity* MB	*Cause* - *Action* -
KAIB60004-I	*product-name* is not installed.	*Cause* - *Action* -
KAIB60005-I	*product-name* is installed. Version: *product-version* Installation path: *install-dir*	*Cause* - *Action* -
KAIB60006-I	The version of the JDK being used is different from the version that comes with the product.	*Cause* - *Action* -
KAIB60007-I	The target Device Manager for Tuning Manager is set as the local host.	*Cause* - *Action* -
KAIB60008-I	The Hitachi Command Suite products on the management server are not in a cluster configuration.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIB60009-I	The installed Hitachi Command Suite products can be updated.	*Cause* - *Action* -
KAIB60010-I	The service HiRDB/ClusterService _HD1 is not running.	*Cause* - *Action* -
KAIB60011-I	The service HiRDB/EmbeddedEdition _HD1 is running.	*Cause* - *Action* -
KAIB60012-I	The edition of the product you attempted to install is the same as the edition of the currently installed product.	*Cause* - *Action* -
KAIB60014-I	No installed products conflict with Tuning Manager.	*Cause* - *Action* -
KAIB60016-I	No programs are accessing the database from another server.	*Cause* - *Action* -
KAIB60017-I	Current host name (128 bytes or less): *host-name*	*Cause* - *Action* -
KAIB60018-I	*host-name(IP-address)* is running.	*Cause* - *Action* -
KAIB60019-I	UDP port 162, which is used for receiving SNMP traps, is not currently in use.	*Cause* - *Action* -
KAIB60020-I	DCOM is enabled.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIB60021-I	The Application Experience service is enabled.	*Cause* - *Action* -
KAIB60022-I	The service HiRDB/ ClusterService _HD1 is not running.	*Cause* - *Action* -
KAIB60023-I	The service HiRDB/ EmbeddedEdition _HD1 is running.	*Cause* - *Action* -
KAIB60025-I	The .NET Framework required for Automation Director is installed.	*Cause* - *Action* -
KAIB60026-I	None of the installed products conflict with Automation Director.	*Cause* - *Action* -
KAIB60027-I	The management server is set as a primary server.	*Cause* - *Action* -
KAIB60028-I	The Hitachi Command Suite products on the management server are in a cluster configuration.	*Cause* - *Action* -
KAIB60029-I	CCI is not installed. The version of CCI that was provided with the Configuration Manager REST API will be used.	*Cause* - *Action* -
KAIB60030-I	The version of CCI that was provided with the Configuration Manager REST API is installed.	*Cause* - *Action* -
KAIB60031-I	CCI is installed.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIB60100-I	Hitachi Command Suite services are running on the server on which the products will be installed. Click OK to stop these services and continue with the installation.	*Cause* Hitachi Command Suite services are running on the server on which the products will be installed. *Action* To stop the Hitachi Command Suite product services, click **OK**, and then continue with the installation.
KAIB60102-I	If you are using any of the following products on this host, upgrade each product to version 8 or later, before starting operation: *product-name*	*Cause* - *Action* -
KAIB60103-I	To use Tuning Manager, upgrade all Tuning Manager agents on this host to version 8.5 or later, before starting operation.	*Cause* - *Action* -
KAIB60190-I	The following products will be removed: *product-name* After you click OK, the products will be removed in order. Please follow the on-screen instructions. Note: User operations are required during the removal. The all-in-one uninstaller checks the dependencies of each product, and prompts user to operate the removal of each product uninstaller in the order for removing these dependencies.	*Cause* - *Action* -
KAIB60191-I	The Hitachi Command Suite products were successfully removed.	*Cause* - *Action* -
KAIB62000-W	This OS does not support the Hitachi Command Suite all-in-one installer. Verify which OSs support the Hitachi Command Suite all-in-one installer. System OS version: *os-name*	*Cause* This OS does not support the Hitachi Command Suite all-in-one installer. *Action* Verify which OSs support the Hitachi Command Suite all-in-one installer.

Message ID	Message Text	Description
KAIB62001-W	Virtual memory is insufficient. Revise the virtual memory settings so that there is enough. (required amount = *required-virtual-memory* MB, available amount = *free-virtual-memory* MB) If virtual memory is insufficient, programs might not start or might be more unstable.	*Cause* Virtual memory is insufficient. *Action* Revise the virtual memory settings so that there is enough.
KAIB62002-W	Virtual memory is insufficient. Revise the virtual memory settings so that there is enough. (required amount = *required-virtual-memory* MB, available amount = *free-virtual-memory* MB) If virtual memory is insufficient, programs might not start or might be more unstable. Note that the currently available virtual memory is affected by any Hitachi Command Suite product services that are running. To more accurately measure the amount of available virtual memory, stop the Hitachi Command Suite product services, and then execute the system requirements checker.	*Cause* Virtual memory might be insufficient. *Action* Revise the virtual memory settings, and add more virtual memory, as necessary. Note that the currently available virtual memory is affected by any Hitachi Command Suite product services that are running. To more accurately measure the amount of available virtual memory, stop the Hitachi Command Suite product services, and then execute the system requirements checker.
KAIB62003-W	The installation destination might not have sufficient drive capacity for acquiring a database backup during the installation. We recommend freeing up the necessary capacity, or you can change the backup location to another drive that has available capacity. drive = *disk*, required capacity = *required-capacity* MB, unused capacity = *free-disk-capacity* MB Approximately *backup-capacity* MB is required for the backup.	*Cause* The installation destination might not have sufficient unused capacity. *Action* We recommend freeing up the necessary capacity, or you can change the backup location to another drive that has available capacity.
KAIB62004-W	The installation destination does not have sufficient unused capacity.	*Cause* The installation destination does not have sufficient unused capacity.

Message ID	Message Text	Description
	Free up the necessary capacity. drive = *disk*, required capacity = *required-capacity* MB, unused capacity = *free-disk-capacity* MB	*Action* Free up the required capacity. If not enough capacity can be freed up, remove the program, and then install it in a different location.
KAIB62005-W	The installation destination does not have sufficient unused capacity. Free up the necessary capacity, or for new installations, you can change the installation destination to another drive that has available unused capacity. drive = *disk*, required capacity = *required-capacity* MB, unused capacity = *free-disk-capacity* MB	*Cause* The installation destination does not have sufficient unused capacity. *Action* Free up the necessary capacity, or for new installations, you can change the installation destination to another drive that has available unused capacity. If not enough capacity can be freed up, remove the program, and then install it in a different location.
KAIB62006-W	Acquisition of remote connection information failed. If you do not plan to remotely connect to Tuning Manager, this is not a problem.	*Cause* Acquisition of remote connection information failed. *Action* If you do not plan to remotely connect to Tuning Manager, this is not a problem.
KAIB62007-W	The connection status with the local host was verified, but there was no response. Hitachi Command Suite products use a local loopback address (localhost or 127.0.0.1) or host name as the destination of their transmissions. A transmission error might have occurred because of this. Check the local loopback address and host name settings. Even if the local loopback address and host name settings are correct, this message is sometimes output, depending on the network settings. If that is the case, ignore this message, and continue with the installation.	*Cause* The connection status with the local host was verified, but there was no response. *Action* Verify the local loopback address and host name settings.
KAIB62008-W	The management server configuration could not be identified during the system requirements check.	*Cause* The management server configuration could not be identified during the system requirements check.

Message ID	Message Text	Description
	If Tuning Manager on this machine does not connect to Device Manager remotely, you can use the Hitachi Command Suite all-in-one installer. However, if Tuning Manager on this machine connects to Device Manager remotely, use the Tuning Manager installer instead.	*Action* If Tuning Manager on this machine does not connect to Device Manager remotely, you can use the Hitachi Command Suite all-in-one installer. However, if Tuning Manager on this machine connects to Device Manager remotely, use the Tuning Manager installer instead.
KAIB62009-W	DCOM is automatically enabled during the installation. The server must be restarted to apply this change.	*Cause* DCOM is automatically enabled during the installation. *Action* Restart the machine to apply the change.
KAIB62010-W	The SNMP trap reception function in Device Manager will be disabled because UDP port 162 is in use by another application. To use this function, change the settings of the application using UDP port 162.	*Cause* UDP port 162 is in use by another application. *Action* To use this function, change the settings for the application using UDP port 162.
KAIB62011-W	The port number used by the SNMP trap reception function in Compute Systems Manager will be changed to *port-number* because UDP port 162 is in use by another application. To use UDP port 162 in Compute Systems Manager, change the settings of the application currently using UDP port 162.	*Cause* UDP port 162 is in use by another application. *Action* To use UDP port 162 in Hitachi Compute Systems Manager, change the settings for the application currently using UDP port 162.
KAIB62012-W	Hitachi Command Suite is not supported on this OS. Verify the OSs supported for the Hitachi Command Suite. System OS version: *os-name*	*Cause* Hitachi Command Suite is not supported on this OS. *Action* Verify the OSs supported for the Hitachi Command Suite.
KAIB62021-W	Processing cannot continue because at least one file at the installation destination is currently in use. Check whether any Hitachi Command Suite programs are running. If a program is running, wait until it finishes. If	*Cause* Processing cannot continue because at least one file at the installation destination is currently in use. *Action* Check whether any Hitachi Command Suite programs are running. If a program is running, wait until it

Message ID	Message Text	Description
	a program is waiting for user input, exit the program. If there are not any Hitachi Command Suite programs running, another program might be using a file temporarily. Check whether anti-virus software or a program that regularly accesses installed files is being used. If such a program is being used, prevent the program from running during the installation. Note: To view a list of the files in use, see the following: *filename*	finishes. If a program is waiting for user input, exit the program. If there are not any Hitachi Command Suite programs running, another program might be using a file temporarily. Check whether anti-virus software or a program that regularly accesses installed files is being used. If such a program is being used, prevent the program from running during the installation.
KAIB62022-W	The CCI version that is currently installed on the management server is not supported by the Configuration Manager REST API. To use the Configuration Manager REST API, upgrade CCI to a recent, supported version before installing the Configuration Manager REST API.	*Cause* The version of CCI currently installed on the management server is not supported by the Configuration Manager REST API. *Action* To use the Configuration Manager REST API, upgrade CCI to a version that is supported by the Configuration Manager REST API. Then, install the Configuration Manager REST API.
KAIB62023-W	The Configuration Manager REST API cannot be installed because a file of the same name as the file to be installed already exists (*file-name*). To use the Configuration Manager REST API, rename, move, or delete the file, and then try again.	*Cause* Ensure that no file that has the same name as the file to be installed, exists. *Action* If there exists a file with a name that is identical to the name of the file to be installed, then either rename or delete the file, and then try again.
KAIB62100-W	An attempt to stop Hitachi Command Suite product services failed. Stopping services might take a while. Click Retry to attempt to stop the Hitachi Command Suite product services. If the services cannot be stopped, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* An attempt to stop Hitachi Command Suite product services failed. The stopping of the services might have been delayed because the management server is running. *Action* Click **Retry** to stop the Hitachi Command Suite product services. If the services cannot be stopped, detailed investigation is required to determine the cause and resolve the problem. Contact the support center,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAIB62101-W	Hitachi Command Suite services cannot be registered in the cluster management application resource group. Complete the installation, and then run the hcmds64clustersrvupdate command to register Hitachi Command Suite services.	*Cause* Hitachi Command Suite services cannot be registered in the cluster management application resource group. *Action* Complete the installation, and then run the `hcmds64clustersrvupdate` command to register Hitachi Command Suite services.
KAIB62120-W	The discovery function will not run properly unless the OS is restarted.	*Cause* To enable DCOM, you must restart the OS. *Action* Restart the machine Compute Systems Manager was installed on.
KAIB62121-W	Are you sure you want to cancel the Hitachi Command Suite all-in-one installer?	*Cause* - *Action* -
KAIB62140-W	One or more existing backup folders will be deleted. Are you sure you want to delete the following folders? *backup-folder* If you do not want to lose the current backup files, copy them to another location before continuing with the installation. To continue the installation, click OK.	*Cause* One or more folders used for backing up files to already exist. *Action* If necessary, copy the backup files to another location, and then continue with the installation.
KAIB62141-W	Backup files already exist in the specified folder. If you continue the installation, the current backup files will be overwritten. If you do not want to overwrite the current backup files, specify another folder. Do you want to overwrite the backup files? Click Yes or No.	*Cause* Backup files already exist in the specified folder. *Action* If you do not want to overwrite the current backup files, specify another folder.
KAIB62143-W	If you are using any of the following products on this host, you need to upgrade each product to version 8 or later:	*Cause* - *Action*

Message ID	Message Text	Description
	product-name	-
KAIB62144-W	To use Tuning Manager, you need to upgrade all Tuning Manager agents on this host to version 8.5 or later.	*Cause* - *Action* -
KAIB62190-W	One or more of the Hitachi Command Suite products were not completely removed. If any errors occurred, resolve the problems related to the removal of the products for which the errors occurred, and then reattempt to remove the Hitachi Command Suite products.	*Cause* One or more of the Hitachi Command Suite products were not completely removed. *Action* If any errors occurred, resolve the problems related to the removal of the products for which the errors occurred, and then reattempt to remove the Hitachi Command Suite products.
KAIB62191-W	*product-name* might not have been properly removed. If removal of the product stopped because of an error or was canceled, stop the removal of all the Hitachi Command Suite products. Do you want to continue with the removal of the Hitachi Command Suite products? Click Yes to continue, or click No to cancel.	*Cause* A Hitachi Command Suite product might not have been properly removed. *Action* If removal of the product stopped because of an error or was canceled, stop the removal of all the Hitachi Command Suite products.
KAIB62192-W	The JDK currently being used by Hitachi Command Suite is not supported after an upgrade. The JDK bundled with Hitachi Command Suite will be used instead. After the upgrade installation is complete, you can change the JDK to another version. Install the JDK you want to use, and then execute the hcmds64chgjdk command and specify the JDK you installed.	*Cause* The JDK currently being used by Hitachi Command Suite is not supported after an upgrade. The JDK bundled with Hitachi Command Suite will be used instead. *Action* After the upgrade installation is complete, you can change the JDK to another version. Install the JDK you want to use, and then execute the `hcmds64chgjdk` command and specify the JDK you installed.
KAIB64000-E	Administrator privileges are required to perform an installation.	*Cause* Administrator privileges are required to perform an installation. *Action* Perform the installation as a user who has administrator privileges.

Message ID	Message Text	Description
KAIB64001-E	Administrator privileges are required to remove the products.	*Cause* Administrator privileges are required to remove the products. *Action* Perform the removal as a user who has administrator privileges.
KAIB64002-E	A file required for the installation (*file-name*) cannot be read. The following are possible causes: - The file failed to be copied from the integrated installation media to a Windows drive. - The file copied to the Windows drive was deleted. - The name of the destination folder contains characters other than single-byte alphanumeric characters. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* A file required for the installation cannot be read. The following are possible causes: • The file failed to be copied from the integrated installation media to a Windows drive. • The file copied to the Windows drive was deleted. • The name of the destination folder contains characters other than single-byte alphanumeric characters. *Action* Determine the cause of the problem, and then resolve it accordingly. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64003-E	This OS does not support the Hitachi Command Suite all-in-one installer. Verify which OSs support the Hitachi Command Suite all-in-one installer. System OS version: *os-name*	*Cause* This OS does not support the Hitachi Command Suite all-in-one installer. *Action* Verify which OSs support the Hitachi Command Suite all-in-one installer.
KAIB64004-E	Hitachi Command Suite cannot be installed in Server Core environments.	*Cause* Server Core environments are not supported. *Action* Verify the Hitachi Command Suite product environments that are supported.
KAIB64005-E	Inconsistencies were detected in the information about the following installed products: *product-name* Detailed investigation is required to determine the	*Cause* Inconsistencies were detected in the information about the installed products. *Action*

Message ID	Message Text	Description
	cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64006-E	The JDK used by Hitachi Command Suite products was not found. Use the hcmds64chgjdk command to specify the JDK to use. To use a JDK other than the one that comes with the Hitachi Command Suite products, install the JDK, and then execute the hcmds64chgjdk command.	*Cause* The JDK used by Hitachi Command Suite products was not properly installed. *Action* Use the `hcmds64chgjdk` command to specify the JDK to use. To use a JDK other than the one that comes with the Hitachi Command Suite products, install the JDK, and then execute the `hcmds64chgjdk` command.
KAIB64007-E	Tuning Manager on this machine connects to Device Manager remotely. The Hitachi Command Suite all-in-one installer cannot be used for installations in this type of environment. Use the Tuning Manager installer to perform an installation.	*Cause* Tuning Manager on this machine is remotely connected to Device Manager. The Hitachi Command Suite all-in-one installer cannot be used for installations in this type of environment. *Action* Use the Tuning Manager installer to perform an installation.
KAIB64008-E	The Hitachi Command Suite products installed on the management server are set up in a cluster. The Hitachi Command Suite all-in-one installer does not support installations in clusters. Use the individual product installers to install the products.	*Cause* The Hitachi Command Suite all-in-one installer does not support installations in clusters. *Action* Use the individual product installers to install the products.
KAIB64009-E	A newer version of *product-name* is already installed. You cannot downgrade from the installed version to this version. Verify the version of *product-name* you are installing.	*Cause* Downgrades cannot be performed. *Action* Verify the product version you are installing.
KAIB64010-E	*product-name* cannot be upgraded from the currently installed version. Using the installation media, an upgrade can be performed from only version *product-version* or later.	*Cause* An upgrade cannot be performed from the installed version of the product. *Action* Verify that the version can be upgraded.

Message ID	Message Text	Description
	To upgrade from a version earlier than that, first upgrade to version 6, and then upgrade to version 7.0 or later.	
KAIB64011-E	An installation cannot be performed because the service HiRDB/ClusterService _HD1 is running. The installation will now end. Stop this service, and then retry the installation.	*Cause* The service HiRDB/ClusterService _HD1 is running. *Action* Stop the service HiRDB/ClusterService _HD1, and then retry the installation.
KAIB64012-E	An installation cannot be performed because the service HiRDB/EmbeddedEdition _HD1 is not running. The installation will now end. Start the service HiRDB/ EmbeddedEdition _HD1, and then retry the installation.	*Cause* The service HiRDB/EmbeddedEdition _HD1 is not running. *Action* Start the service HiRDB/ EmbeddedEdition _HD1, and then retry the installation.
KAIB64013-E	An installation cannot be performed because *product-name* from a different vendor is installed. Contact the media supplier.	*Cause* Hitachi Command Suite products from another vendor are installed. *Action* Contact the media supplier.
KAIB64014-E	An installation cannot be performed because a different language version of *product-name* is installed. Contact the media supplier.	*Cause* A different language version of the Hitachi Command Suite product is installed. *Action* Contact the media supplier.
KAIB64015-E	The Tuning Manager server cannot be installed because a Tuning Manager agent is installed. Remove the Tuning Manager agent, install the Tuning Manager server, and then reinstall the Tuning Manager agent.	*Cause* The Tuning Manager server cannot be installed because a Tuning Manager agent is installed. *Action* Remove the Tuning Manager agent, install Tuning Manager server, and then reinstall the Tuning Manager agent.
KAIB64016-E	An installation cannot be performed because a product that conflicts with Tuning Manager is installed. product = *product-name*	*Cause* An installation cannot be performed because a product that conflicts with Tuning Manager is installed. *Action* Remove the product that conflicts with Tuning Manager, and then retry the installation.

Message ID	Message Text	Description
KAIB64018-E	A program running on *IP-address* is connected to the management server database. The Tuning Manager server might be accessing the management server database. Stop the Tuning Manager server service on *IP-address*.	*Cause* A remote program is connected to the management server database. *Action* Stop the Tuning Manager server service at the remote location.
KAIB64019-E	The host name of the server on which the products will be installed is not valid for Hitachi Command Suite all-in-one installer. The host name must satisfy the following conditions: - Host name length: 128 bytes or fewer - Available characters: A-Z, a-z, 0-9, - . The host name cannot start or end with a hyphen.	*Cause* The host name of the server on which the products will be installed is not valid for Hitachi Command Suite all-in-one installer. *Action* Change the host name to a value that meets the following conditions: • Length: 128 bytes or fewer • Valid characters: A-Z, a-z, 0-9, and - . The host name cannot start or end with a hyphen.
KAIB64020-E	Hitachi Command Suite cannot be installed in the Minimal Server Interface environment.	*Cause* The Minimal Server Interface environment is not supported. *Action* Verify the Hitachi Command Suite product environments that are supported.
KAIB64021-E	Hitachi Command Suite products on this server are set up in a cluster environment. You must remove them following the cluster environment removal procedure.	*Cause* Hitachi Command Suite products are set up in a cluster environment. *Action* You must remove them following the cluster environment removal procedure.
KAIB64022-E	Installation cannot be performed because the Application Experience service is disabled. Installation will now end. Change the Application Experience service start type to "Automatic", reboot the server, and then perform the installation again.	*Cause* The Application Experience service is disabled. *Action* Change the Application Experience service start type to "Automatic", reboot the server, and then perform the installation again.
KAIB64023-E	Compute Systems Manager cannot be installed through the Hitachi Command Suite all-in-one installer because	*Cause* Compute Systems Manager cannot be installed through the Hitachi Command Suite all-in-one installer

Message ID	Message Text	Description
	Deployment Manager is installed. To install Deployment Manager and Compute Systems Manager, use the Compute Systems Manager installer.	because Deployment Manager is installed. *Action* To install Deployment Manager and Compute Systems Manager, use the Compute Systems Manager installer.
KAIB64024-E	An installation cannot be performed because the service HiRDB/ClusterService _HD1 is running. The installation will now end. Stop this service, and then retry the installation.	*Cause* The service HiRDB/ClusterService _HD1 is running. *Action* Stop the service HiRDB/ClusterService _HD1, and then retry the installation.
KAIB64025-E	An installation cannot be performed because the service HiRDB/EmbeddedEdition _HD1 is not running. The installation will now end. Start the service HiRDB/ EmbeddedEdition _HD1, and then retry the installation.	*Cause* The service HiRDB/EmbeddedEdition _HD1 is not running. *Action* Start the service HiRDB/ EmbeddedEdition _HD1, and then retry the installation.
KAIB64027-E	The JDK used by Hitachi Command Suite products was not found. Use the hcmdschgjdk command to specify the JDK to use. To use a JDK other than the one that comes with the Hitachi Command Suite products, install the JDK, and then execute the hcmdschgjdk command.	*Cause* The JDK used by Hitachi Command Suite products was not properly installed. *Action* Use the `hcmdschgjdk` command to specify the JDK to use. To use a JDK other than the one that comes with the Hitachi Command Suite products, install the JDK, and then execute the `hcmdschgjdk` command.
KAIB64028-E	The .NET Framework required for Automation Director is not installed. Install the version of .NET Framework required for Automation Director.	*Cause* The .NET Framework required for Automation Director is not installed. *Action* Install the version of .NET Framework required for Automation Director.
KAIB64029-E	Installation cannot be performed because one or more products that conflict with Automation Director are installed. If any of the following products are installed, remove them, and then retry the installation: - JP1/Automatic Operation - JP1/AJS3 - Manager	*Cause* Installation cannot be performed because one or more products that conflict with Automation Director are installed. *Action* Remove any products that conflict with Automation Director, and then retry the installation.

Message ID	Message Text	Description
	- JP1/AJS3 - Agent - JP1/Base	
KAIB64030-E	A user account for a Hitachi Command Suite product installed on this server is managed by Hitachi Command Suite Common Component on another server. The Hitachi Command Suite all-in-one installer cannot be used for installations in this type of environment. To install Automation Director, use the Automation Director installer.	*Cause* A user account for a Hitachi Command Suite product installed on this server is managed by Hitachi Command Suite Common Component on another server. The Hitachi Command Suite all-in-one installer cannot be used for installations in this type of environment. *Action* To install Automation Director, use the Automation Director installer.
KAIB64031-E	A product required for Automation Director was removed. Remove Automation Director, and then install it again.	*Cause* A product required for Automation Director was removed. *Action* Remove Automation Director, and then install it again.
KAIB64033-E	A user account for a Hitachi Command Suite product that is installed on this server is managed by a Hitachi Command Suite Common Component on another server. The Hitachi Command Suite all-in-one installer cannot be used for installations in this type of environment. Use the individual product installers to install the products.	*Cause* A user account for a Hitachi Command Suite product that is installed on this server is managed by a Hitachi Command Suite Common Component on another server. The Hitachi Command Suite all-in-one installer cannot be used for installations in this type of environment. *Action* Use the individual product installers to install the products.
KAIB64034-E	The procedure stopped because the file listed below exists. Either rename the file and then try again; or, move or delete the file, and then try again. *file-name*	*Cause* Make sure that no other file, hardware link, or symbolic link has the same name. *Action* If there is a file, hard link, or symbolic link that has the same name as the specified directory, delete or rename it, and then try again.
KAIB64035-E	The path of the installer location includes an incorrect character. Only the following characters are permitted: A-Z a-z 0-9	*Cause* The path of the installer location includes an incorrect character. *Action* Use only the following characters when specifying the path of the installer location:

Message ID	Message Text	Description
		A-Z a-z 0-9
KAIB64036-E	Processing cannot continue because the following required value is not specified in the PATH system environment variable. Add the following value to the PATH system environment variable, and then try again. *path* If you performed the operation from the command prompt or PowerShell, add the value to the PATH system environment variable, and then restart the command prompt or PowerShell. Afterward, try performing the operation again.	*Cause* Processing cannot continue because the required value is not specified in the PATH system environment variable. *Action* Add the path in the message to the PATH system environment variable, and then try again. If you performed the operation from the command prompt or PowerShell, add the value to the PATH system environment variable, and then restart the command prompt or PowerShell. Afterward, try performing the operation again.
KAIB64037-E	The clustering configurations of existing Hitachi Command Suite products version 7 and version 8 products do not match. Uninstall the existing version 8 or later versions of Hitachi Command Suite products, and then install them again.	*Cause* The clustering configurations of existing Hitachi Command Suite products version 7 and version 8 products do not match. *Action* Uninstall the existing version 8 or later versions of Hitachi Command Suite products, and then install them again.
KAIB64038-E	The installation cannot continue because a previous installation for a clustering environment did not finish. Use the procedure to migrate Hitachi Command Suite products version 8 or later to a clustering environment by referring to the manual.	*Cause* The installation cannot continue because a previous installation for a clustering environment did not finish. *Action* Use the procedure to migrate Hitachi Command Suite products version 8 or later to a clustering environment by referring to the manual.
KAIB64039-E	If a product is to be installed as a cluster configuration, a local user cannot install the product. Install the product as a domain user.	*Cause* If a product is to be installed as a cluster configuration, a local user cannot install the product. *Action* Install the product as a domain user.
KAIB64040-E	The Hitachi Command Suite products on the management server are in a cluster configuration. Remove the product as a domain user.	*Cause* The Hitachi Command Suite products on the management server are in a cluster configuration. *Action* Remove the product as a domain user.

Message ID	Message Text	Description
KAIB64041-E	The installation destination for Hitachi Command Suite Common Component includes an unexpected directory, which prevents the creation of a symbolic link. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* The installation destination for Hitachi Command Suite Common Component includes an unexpected directory, which prevents the creation of a symbolic link. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB64099-E	An unexpected error occurred during the system requirements check. Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information. Collect the following files, if they exist: *file-name*	*Cause* An unexpected error occurred during the system requirements check. *Action* Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64120-E	A Hitachi Command Suite Common Component error occurred. Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* A Hitachi Command Suite Common Component error occurred. *Action* Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64121-E	An error occurred in *product-name*. Verify the error in the next window.	*Cause* A Hitachi Command Suite product installation error occurred. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64122-E	Creation of a parameter file failed. Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* Creation of a parameter file failed. *Action* Detailed investigation is required to determine the cause and resolve the problem. Contact the support center,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAIB64123-E	An attempt to read a return code file failed. Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* An attempt to read a return code file failed. *Action* Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64140-E	The database backup failed (*Cause*). The installation will now end. There might not be enough unused capacity at the backup destination. Free up enough capacity at the backup destination, and then retry the installation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* There is not enough unused capacity at the backup-destination folder. *Action* Free up capacity for the backup-destination folder, and then retry the installation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64141-E	The database backup failed. The installation will now end. Wait a while, and then retry the installation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* The starting or stopping of the HiRDB service failed while the database was being backed up or exported. The following are possible causes: • The management server is running, or the starting or stopping of the service is being delayed. *Action* Wait a while, and then retry the operation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB64142-E	Migration of account information failed. The working directory might not have enough space to expand the data to be migrated. After installation finishes, secure a sufficient amount of	*Cause* There might not be enough space to expand the data to be migrated. *Action* After installation finishes, secure a sufficient amount of free disk space

Message ID	Message Text	Description
	free disk space for the path that stores data for migration use, and then execute the hcmds64convert command to migrate the account information. If the problem occurs again, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information. (working directory = *working-directory*, path that stores data for migration use = *path-that-stores-data-for-migration-use*)	for the path that stores data for migration use, and then execute the `hcmds64convert` command to migrate the account information. If the problem occurs again, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIB64143-E	Hitachi Command Suite services cannot be deleted from the cluster management resource group. The cluster management application processing might temporarily be taking a long time. Wait a while, and then try installing again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* Hitachi Command Suite services cannot be deleted from the cluster management resource group. The cluster management application processing might be temporarily taking a long time. *Action* Wait a while, and then try installing again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIB64199-E	An unexpected error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* An unexpected error occurred. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIB64500-E	The installation path contains an invalid character. Valid characters are: A-Z, a-z, 0-9, ., _, (,), and the space character. Note: The following paths cannot be specified: - The root of a drive	*Cause* The installation path contains an invalid character. *Action* The following characters can be used for the installation path: `A-Z`, `a-z`, `0-9`, ., _, (,), and a blank space.

Message ID	Message Text	Description
	- Paths that include OS-reserved words	The following paths cannot be specified: - The root of a drive - Paths that include OS-reserved words If parentheses are used, check whether (x86) and half-width spaces are used in the actual folder path.
KAIB64501-E	Specify up to 54 bytes for the installation path.	*Cause* The installation path is too long. *Action* Specify up to 54 bytes for the installation path.
KAIB64502-E	The program can only be installed on a local drive. Specify a local drive.	*Cause* A drive other than a local drive was specified for the program installation folder. *Action* Specify a local drive.
KAIB64510-E	An invalid character is included in the database file path. Valid characters are: A-Z, a-z, 0-9, ., _, (,), and the space character. Note: The following paths cannot be specified: - The root of a drive - Paths that include OS-reserved words	*Cause* The database file path contains an invalid character. *Action* Specify only the following characters for the database file path: A-Z, a-z, 0-9, ., _, (,), and the space character. The following paths cannot be specified: - The root of a drive - Paths that include OS-reserved words
KAIB64511-E	Specify up to 63 bytes for the database file path.	*Cause* The specified path for storing database files is too long. *Action* Specify up to 63 bytes for the database file path.
KAIB64512-E	The database files can only be stored on a local drive. Specify a local drive.	*Cause* A drive other than a local drive was specified for storing database files. *Action* Specify a local drive.

Message ID	Message Text	Description
KAIB64520-E	An invalid character is included in the backup file path. Valid characters are: A-Z, a-z, 0-9, ., _, (,), and the space character. Note: The following paths cannot be specified: - The root of a drive - Paths that include OS-reserved words	*Cause* The specified path for storing backup files contains an invalid character. *Action* Valid characters for the database file path are: A-Z, a-z, 0-9, ., _, (,), and the space character. The following paths cannot be specified: - The root of a drive - Paths that include OS-reserved words
KAIB64521-E	Specify up to 150 bytes for the backup file path.	*Cause* The specified path for storing backup files is too long. *Action* Specify up to 150 bytes for the backup file path.
KAIB64522-E	The database backup files can only be stored on a local drive. Specify a local drive.	*Cause* A drive other than a local drive was specified for storing database backup files. *Action* Specify a local drive.
KAIB64524-E	Hitachi Command Suite cannot be installed on the path below. Specify a different path. - *list-of-prohibited-paths*	*Cause* Hitachi Command Suite cannot be installed on the specified path. *Action* Specify a different path.
KAIB64525-E	The database files cannot be stored in the path below. Specify a different path. - *list-of-prohibited-paths*	*Cause* The database files cannot be stored on the specified path. *Action* Specify a different path.
KAIB64526-E	The backup files cannot be stored in the path below. Specify a different path. - *list-of-prohibited-paths*	*Cause* The backup files cannot be stored on the specified path. *Action* Specify a different path.
KAIB64527-E	Specify a resource group name that does not exceed 1,024 bytes.	*Cause* The specified resource group name is too long. *Action*

Message ID	Message Text	Description
		Specify a resource group name that does not exceed 1,024 bytes.
KAIB64528-E	Specify a logical host name (client access point) that does not exceed 32 bytes.	*Cause* The specified logical host name (client access point) is too long. *Action* Specify a logical host name (client access point) that does not exceed 32 bytes.
KAIB64529-E	Specify an active node host name that does not exceed 128 bytes.	*Cause* The specified active node host name is too long. *Action* Specify an active node host name that does not exceed 128 bytes.
KAIB64530-E	Specify a standby node host name that does not exceed 128 bytes.	*Cause* The specified standby node host name is too long. *Action* Specify a standby node host name that does not exceed 128 bytes.
KAIB64531-E	The specified resource group is not found. Use the clustering management application to verify that the specified resource group is registered.	*Cause* The specified resource group is not found. *Action* Use the clustering management application to verify that the specified resource group is registered.
KAIB64532-E	The specified logical host name (client access point) is not a member of a resource group. Use the clustering management application to verify configuration and ensure that you specify a logical host name (client access point) in a resource group.	*Cause* The specified logical host name (client access point) is not a member of the resource group. *Action* Use the clustering management application to verify the configuration and ensure that you specify a logical host name (client access point) that is a member of a resource group.
KAIB64533-E	The shared disk providing the database store is not a member of a resource group. Use the clustering management application to verify configuration and ensure you specify a path on a shared disk in a resource group.	*Cause* The shared disk providing the database store is not a member of the resource group. *Action* Use the clustering management application to verify configuration and ensure that you specify a path on a

Message ID	Message Text	Description
		shared disk that belongs to a resource group.
KAIB64534-E	The resource group name contains an invalid character. The following characters cannot be used: ! " &) * ^ | < >	*Cause* The resource group name contains an invalid character. *Action* Specify a resource group name that does not contain the following characters: ! " &) * ^ | < >
KAIB64535-E	Hitachi Command Suite products do not support a clustering environment with more than three nodes.	*Cause* Hitachi Command Suite products do not support a clustering environment with more than three nodes. *Action* -
KAIB64536-E	The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. Migrate the resource group to the host on which the installation will be completed.	*Cause* The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. *Action* Migrate the resource group to the host on which the installation will be completed.
KAIB64537-E	A database file created on the active node already exists in the specified database file storage destination. This means that the current installation as the active node is not possible. Complete one of the following options: - Install as the standby node. - Install as the active node by (1) deleting the database storage destination on the shared disk, then (2) installing as the active node.	*Cause* A database file created on the active node already exists in the specified database file storage destination. *Action* Install as the standby node. To install as the active node, (1) delete the database storage destination on the shared disk, then (2) reinstall as the active node.
KAIB64538-E	No database file created on the active node exists in the specified database file storage destination. Installation as the standby node is not possible. The following are possible causes:	*Cause* No database file created on the active node exists in the specified database file storage destination. The following are possible causes: • The database file storage destination that was specified on the active node, was not specified.

Message ID	Message Text	Description
	- The database file storage destination that was specified on the active node, was not specified. - No installation occurred on the active node. To continue, specify the database file storage destination that was specified on the active node. If no installation occurred on the active node, then complete the installation now.	• No installation occurred on the active node. *Action* Specify the database file storage destination specified on the active node. If no installation occurred on the active node, then install on the active node now.
KAIB64539-E	Please specify *input-item(Resource group nameorLogical host nameorActive node host nameorStandby node host nameorDatabase folderorInstallation folder)*.	*Cause* No information was specified. *Action* -
KAIB64540-E	The resource group (including the shared disk that stores the database file) was not found. Register the shared disk with the resource group.	*Cause* The resource group (including the shared disk that stores the database file) was not found. *Action* Register the shared disk with the resource group.
KAIB64541-E	The logical host name (client access point) contains an invalid character. The host name must satisfy the following conditions: • Available characters: A-Z, a-z, 0-9, - . The host name cannot start or end with a hyphen.	*Cause* The logical host name (client access point) contains an invalid character. *Action* Change the host name to a value that meets the following conditions: • Valid characters: A-Z, a-z, 0-9, and - . The host name cannot start or end with a hyphen.
KAIB64542-E	The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. Migrate the resource group to the host on which the removal will be completed.	*Cause* The shared disk that stores the database file cannot be referenced. The owner of the resource group might be set to a different host. *Action* Migrate the resource group to the host on which the removal will be completed.
KAIB64599-E	An unexpected error occurred during the specified value check.	*Cause*

Message ID	Message Text	Description
	Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	An unexpected error occurred during checking of the specified value. *Action* Detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIB66000-I	The requirements check has finished. If a checked item does not have an OK status, resolve the problem.	*Cause* - *Action* -
KAIB66100-I	The installation destination has sufficient unused capacity. The required capacity is the total for the selected products. Disk: *disk*, required capacity: *required-capacity* MB, available capacity: *available-capacity* MB Additional disk capacity might be needed if you back up the database at installation.	*Cause* - *Action* -
KAIB66101-I	This system has sufficient available virtual memory. The required amount is the total for the selected products and for the installed products. Required amount: *required-amount* MB, available amount: *available-amount* MB	*Cause* - *Action* -
KAIB66102-I	The kernel parameters are set.	*Cause* - *Action* -
KAIB66400-W	The installation destination does not have sufficient unused capacity. Increase free space to the necessary capacity. The required capacity is the total for the selected products. Disk: *disk*, required capacity: *required-capacity* MB, available capacity: *available-capacity* MB Additional disk capacity might be needed if you back up the database at installation.	*Cause* The installation destination does not have sufficient unused capacity. *Action* Increase free space to the required capacity.

Message ID	Message Text	Description
KAIB66401-W	Virtual memory is insufficient. Revise the virtual memory settings so that there is enough virtual memory. The required amount is the total for the selected products and for the installed products. Required amount: *required-amount* MB, available amount: *available-amount* MB If virtual memory is insufficient, programs might not start or might become unstable. Note that any running Hitachi Command Suite product service affects the currently available virtual memory. To accurately measure the amount of available virtual memory, stop the Hitachi Command Suite product services, and then run Prerequisite Checker.	*Cause* Virtual memory might be insufficient. *Action* Revise the virtual memory settings, and add more virtual memory, as necessary. Note that any running Hitachi Command Suite product service affects the currently available virtual memory. To accurately measure the amount of available virtual memory, stop the Hitachi Command Suite product services, and then run Prerequisite Checker.
KAIB66402-W	Virtual memory is insufficient. Revise the virtual memory settings so that there is enough virtual memory. The required amount is the total for the selected products and for the installed products. Required amount: *required-amount* MB, available amount: *available-amount* MB If virtual memory is insufficient, programs might not start or might become unstable.	*Cause* Virtual memory is insufficient. *Action* Revise the virtual memory settings so that there is enough virtual memory.
KAIB66600-E	An error occurred during the requirements check. Detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.	*Cause* An error occurred during the requirements check. *Action* Detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIB66601-E	Prerequisite Checker must be run by a root user. The requirements check will stop now.	*Cause* A non-root user is performing the requirements check. *Action*

Message ID	Message Text	Description
		Log in as a root user and perform the requirements check.
KAIB66602-E	Prerequisite Checker cannot run in this operating system or architecture. Verify that Prerequisite Checker supports the operating system and architecture.	*Cause* Prerequisite Checker cannot run in this operating system or architecture. *Action* Verify that Prerequisite Checker supports the operating system and architecture.
KAIB66603-E	Prerequisite Checker is version *OS*. Verify that the installation media and Prerequisite Checker can be used on the operating system.	*Cause* Prerequisite Checker cannot be used on the operating system. *Action* Verify that the installation media and Prerequisite Checker can be used on the operating system.
KAIB66604-E	File "*file-name*", required for the requirements check, cannot be read. Causes include: - The files on the installation media are insufficient, or you do not have the necessary permission. - The name of the mount point includes a character other than one-byte alphanumeric characters or "_". If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.	*Cause* A file required for the requirements check cannot be read. Causes include: • The files on the installation media are insufficient, or you do not have the necessary permission. • The name of the mount point includes a character other than one-byte alphanumeric characters or "_". *Action* If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIB66605-E	Unable to read file "*file-name*". Detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.	*Cause* The file cannot be read. *Action* Detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIB66606-E	Prerequisite Checker cannot start because there is insufficient disk space.	*Cause* There is insufficient disk space to start the installer. *Action*

Message ID	Message Text	Description
	Disk: *disk*, required: *required-disk-space* MB, available: *available-disk-space* MB	Verify that the required disk space is available.
KAIB66607-E	The mount path contains an invalid character. Valid characters are: A-Z a-z 0-9 _ /	*Cause* The mount path contains an invalid character. *Action* Valid characters are: A-Z a-z 0-9 _ /
KAIB66700-E	The following kernel parameters are smaller than the minimum values. The calculation of the minimum values uses the recommended values for the selected products and for the installed products. *setting-Information* *action*	*Cause* The kernel parameters are smaller than the minimum values. *Action* For information about kernel parameter values, see the Hitachi Command Suite System Requirements.
KAIB66701-E	The following shell limits are smaller than the minimum values. The calculation of the minimum values uses the recommended values for the selected products and for the installed products. *setting-Information* *action*	*Cause* The shell limits are smaller than the minimum values. *Action* For information about shell limits, see the Hitachi Command Suite System Requirements.

Messages with IDs beginning with KAIC

This section describes messages related to Device Manager.

KAIC00000 - KAIC09999

The following table describes messages KAIC00000 to KAIC09999, which are related to the Device Manager server. Unless stated otherwise, *server* refers to the Hitachi Command Suite management server. For messages with the sentence "Call server administrator." in the message text or in the description, contact the Hitachi Command Suite storage administrator.

If a message that contains "ErrorCode=*xxxx*" (*xxxx* is a four-digit number) is output, refer to Chapter 4, Error codes for the Device Manager agent on page 4-1, and then take the appropriate action according to the description of the error code *xxxx*.

Table 2-9 KAIC00000 - KAIC09999 (messages related to Device Manager server)

Message ID	Message Text	Description
KAIC00000-E	An unspecified error was encountered.	Contact the Support Center.
KAIC00001-E	An unspecified server error was encountered.	Contact the Support Center.
KAIC00002-E	An error occurred in initializing the Device Manager Server.	See the server "`error.log`" for additional details.
KAIC00003-E	The servlet instance is invalid.	A request referenced a servlet not supported by Device Manager.
KAIC00004-E	The transfer request format is incorrect.	The transfer request format is invalid; correct the format, and then retry.
KAIC00100-E	Server initialization error: an invalid HTTP port number "*port-number*" has been specified.	Check the Device Manager Server manual, confirm the value of "`server.properties`", and restart the Device Manager Server.
KAIC00101-E	Server initialization error: an invalid HTTPS port number "*port-number*" has been specified.	Check the Device Manager Server manual, confirm the value of "`server.properties`", and restart the Device Manager Server.
KAIC00102-E	Server initialization error: an invalid document root directory "*directory-name*" has been specified.	Check the Device Manager Server manual, confirm the value of "`server.properties`", and restart the Device Manager Server.
KAIC00103-E	Server initialization error: an invalid bind address "*bind-address*" has been specified.	Check the Device Manager Server manual, confirm the value of "`server.properties`", and restart the Device Manager Server.
KAIC00104-E	Server initialization error: an unsupported JRE version "*JRE-version*" has been specified.	Make sure the version is JRE version, and restart Device Manager Server.
KAIC00105-E	Server initialization error: Unable to load Servlet v2.2 classes.	Make sure the servlet (JSDK v2.2+) can be loaded.
KAIC00106-E	Server initialization error: Unable to load SNMP classes.	Make sure the Sun SNMP (JDMK) classes can be loaded and restart the Device Manager Server.
KAIC00107-E	Server initialization error: An attempt to load Service Modules has failed.	The direct cause of this error is the immediately preceding error. Carry out the recommended action for that error. If this error continues to occur even after

Message ID	Message Text	Description
		performing the action, or if these actions are inapplicable, contact the Support Center.
KAIC00108-E	Server initialization error: An error occurred while the entry "*entry-name*" was loaded in the Device Manager Server KeyStore.	Contact the Support Center.
KAIC00110-E	An attempt to start Server failed: Serious errors occurred checking or updating the database.	Contact the Support Center.
KAIC00112-E	The maximum number of connection threads, "*number-specified-for-maxThreads*", was exceeded.	Check the Device Manager Server manual, confirm the value of "`server.properties`", and restart the Device Manager Server.
KAIC00113-E	An attempt to construct ServiceConnection failed.	Contact the Support Center.
KAIC00114-E	An attempt to start the HTTP server on port "*port-number*" failed.	Check "`server.http.port`" in "`server.properties`".
KAIC00115-E	An attempt to start the HTTPS server on port "*port-number*" failed.	Check "`server.https.port`" in "`server.properties`".
KAIC00116-E	Server initialization error: The IP address of localhost is unsolvable.	Contact the Support Center.
KAIC00120-E	The config file "server.properties" cannot be read.	Check "`server.properties`", and restart the Device Manager Server.
KAIC00121-E	Unable to read servlet config file "servlet.properties".	Check "`servlet.properties`", and restart the Device Manager Server.
KAIC00123-E	The MIME types file cannot be read.	Check "`mime.properties`", and restart the Device Manager Server.
KAIC00124-E	During an attempt to change the user, group or root directory, and error occurred with the message "*error-message*".	Contact the Support Center.
KAIC00125-E	An attempt to read the configuration file "product.properties" has failed.	Check the configuration file "`product.properties`", and then restart the Device Manager Server.
KAIC00126-E	An attempt to read the configuration file "*file-name*" has failed. Error detail : "*error-details*".	Remove the cause of the error, and then restart the Device Manager Server. If this error continues to occur even after performing the action, contact the Support Center.

Message ID	Message Text	Description
KAIC00150-E	An attempt to find the entry "*entry-name*" in the Device Manager Server KeyStore has failed.	The Device Manager Server KeyStore must be present and contain at least one entry to run the Device Manager Server in secure mode.
KAIC00180-E	Common Component is not installed.	Contact the Support Center.
KAIC00181-E	An attempt to set the installation destination of Common Component has failed.	Check "`server.base.home`" in "`server.properties`", and contact the Support Center.
KAIC00182-E	An attempt to acquire the Common Component address has failed. ("*method-name*")	Contact the Support Center.
KAIC00183-E	An error occurred in initializing the Provisioning Manager. ("*method-name*")	Contact the Support Center.
KAIC00184-E	A directory necessary for storage system management does not exist. The Device Manager environment is invalid. (directory name = *directory-name*)	Contact the Support Center.
KAIC00200-E	Server initialization error: an invalid RMI port number "*port-number*" has been specified.	Check the Device Manager Server manual, confirm the value of "`server.properties`", and restart the Device Manager Server.
KAIC00300-E	An attempt to bind the port "*port-number*" for receiving the SNMP Trap has failed. This port is being used by other software.	Terminate any other software using this port, or set '`false`' for "`server.dispatcher.daemon.receiveTrap`" in the "`dispatcher.properties`" file, and restart Device Manager Server.
KAIC00350-E	The operation type is not specified.	Revise the entered command, and then try again.
KAIC00351-E	The operation type is invalid. The value that can be specified is one of *valid-values-list*.	Revise the entered command, and then try again.
KAIC00352-E	"*parameter-name*" is not specified.	Revise the entered command, and then try again.
KAIC00353-E	The value of "*parameter-name*" is invalid. The value that can be specified is one of *valid-values-list*.	Revise the entered command, and then try again.
KAIC00354-E	The length of the value of "*parameter-name*" is invalid. The value must have a length from	Revise the entered command, and then try again.

Message ID	Message Text	Description
	valid-minimum-length to *valid-maximum-length*.	
KAIC00355-E	The value of "*parameter-name*" includes one or more invalid characters, or a space exists as the first or last character of the value. Specifiable characters are alphanumeric characters (A-Z, a-z, 0-9), spaces, and the following characters: *specifiable-symbol-charcters*	Revise the entered command, and then try again.
KAIC00356-E	When the value of --security_level is "*security-level*", specify *need-parameter-name-list*.	Revise the entered command, and then try again.
KAIC00357-E	When the value of --encrypt_protocol is changed, change the value of --encrypt_key.	Revise the entered command, and then try again.
KAIC00358-E	The user that is specified for receiving SNMP traps, (*user-name-for-receive-SNMP-Trap*), is not registered.	Revise the entered command, and then try again.
KAIC00359-E	The user that is specified for receiving SNMP traps, (*user-name-for-receive-SNMP-Trap*), is already registered.	Revise the entered command, and then try again.
KAIC00360-E	The configuration file (*file-name*) cannot be read.	Check the configuration file indicated in the message.
KAIC00361-E	When the Device Manager server was receiving notification about an update to a user account (so that the user could receive SNMP traps), an error occurred.	Verify the following: • The local host name can be correctly resolved. • The Device Manager server is running.
KAIC00362-E	The request is invalid.	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC00363-E	A response to the processing to apply a user for receiving SNMP traps cannot be created.	If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC00364-E	Because no settings for receiving SNMP traps have been specified, information could not be applied	In the `dispatcher.properties` file, set "`true`" for `server.dispatcher.daemon.rec`

Message ID	Message Text	Description
	to the Device Manager server. The information is related to the users who have been identified to receive SNMP traps.	eiveTrap, and then restart the Device Manager server. Confirm that the information about users who are to receive SNMP traps has been applied: Send a test SNMP trap from the storage system.
KAIC00370-E	The specified user account was successfully updated to receive SNMP traps. However, the update was not applied to the Device Manager server.	Resolve the issue according to the displayed error message and the information in this message. Then, restart the Device Manager server and confirm that the information about users who are to receive SNMP traps has been applied: Send a test SNMP trap from the storage system.
KAIC00405-E	An unexpected error occurred in the email notification functionality.	Contact the Support Center.
KAIC00407-E	An email send error occurred. (unsent email = (recipient email address = "*recipient-email-address*"), Alert = (messageID = "*alert-ID*", number = "*number*", type = "*type*", source = "*source*", severity = "*severity*", component = "*component*", description = "*description*", actionToTake = "*action-to-take*", data = "*data*", timeOfAlert = "*time-of-alert*"))	Make sure the following environment related items are correct: • Status and settings of the SMTP server • Status of the network
KAIC00408-E	An attempt to connect to the SMTP server has failed. (SMTP server = (host = "*hostname-or-IP-address*", port = "*port-number*"), unsent email = (recipient email address = "*recipient-email-address*"), Alert = (messageID = "*alert-ID*", number = "*number*", type = "*type*", source = "*source*", severity = "*severity*", component = "*component*", description = "*description*", actionToTake = "*action-to-take*", data = "*data*", timeOfAlert = "*time-of-alert*"))	Make sure the following items related to the environment and the sending of email are correct: • Property settings for sending email • Status and settings of the SMTP server • Status of the network
KAIC00409-E	A connection to the SMTP server could not be established because authentication failed. (SMTP server = (host = "*hostname-or-IP-address*", port = "*port-number*"), unsent email = (recipient email address = "*recipient-email-address*"), Alert = (messageID = "*alert-ID*",	Change the SMTP server settings so that the relevant user can be authenticated. Also, use the command for setting the SMTP authentication user information to set the SMTP authentication user information (user ID and password).

Message ID	Message Text	Description
	number = "*number*", type = "*type*", source = "*source*", severity = "*severity*", component = "*component*", description = "*description*", actionToTake = "*action-to-take*", data = "*data*", timeOfAlert = "*time-of-alert*"))	
KAIC00410-E	The value specified for a property is incorrect. The system will use the default value for the property. (file name = "*file-name*", property name = "*property-name*", specified value = "*specified-value*", default value = "*default-value*")	If the default value does not cause any problems, no further action is required. If you specify a value different from the default value, make sure that the property settings are correct, and then restart the Device Manager server.
KAIC00411-E	Authentication information for connecting to the SMTP server has not been set. The email will be sent without SMTP authentication.	Set the SMTP authentication user information (user ID and password) by using the `hdvmmodmailuser` command. If SMTP authentication is not required for the email, no further action is required.
KAIC00412-E	The recipient email address is invalid. (user ID = "*user-ID*", recipient email address = "*recipient-email-address*") The email will not be sent to this user ID.	Specify a valid address by using the user management functionality's **Edit Profile** dialog box.
KAIC00413-E	The template file was not found. (template file path name = "*template-file-path-name*") The default template file will be used to send the email.	Check whether the template file indicated in the message exists. If you use the default template file, no further action is required.
KAIC00414-E	An error occurred while the template file was being loaded. (template file path name = "*template-file-path-name*", detailed information = "*detailed-information*") The default template file will be used to send the email.	Remove the cause of the error according to the detailed information. If you use the default template file, no further action is required.
KAIC00415-E	The size of the template file is too large. (template file name = "*template-file-name*", template file size (bytes) = "*template-file-size-in-bytes*", maximum file size (bytes) = "*maximum-file-size-in-bytes*") The default template file will be used to send the email.	Revise the contents of the template file, and reduce the file size. If you use the default template file, no further action is required.
KAIC00416-E	An invalid header exists. (template file name = "*template-file-name*", line number = "*line-number*", header name =	Revise the characters used in the header name specified in the template file. If you use the

Message ID	Message Text	Description
	"*header-name*") The default template file will be used to send the email.	default template file, no further action is required.
KAIC00417-E	A header has not been specified. (template file name = "*template-file-name*", header name = "*header-name*") The default template file will be used to send the email.	Revise the headers specified in the template file. If you use the default template file, no further action is required.
KAIC00418-E	The same header name is duplicated. (template file name = "*template-file-name*", line number = "*line-number*", header name = "*header-name*") The default template file will be used to send the email.	Revise the headers specified in the template file. If you use the default template file, no further action is required.
KAIC00419-E	The header section in the template file contains an invalid line. The name and contents of a header must be separated with a colon (:). (template file name = "*template-file-name*", line number = "*line-number*") The default template file will be used to send the email.	Revise the headers specified in the template file. If you use the default template file, no further action is required.
KAIC00420-E	In the template file, the size of a line is too large. (template file name = "*template-file-name*", line number = "*line-number*", detected line size (bytes) = "*detected-line-size-in-bytes*", maximum line size (bytes) = "*maximum-line-size-in-bytes*") The default template file will be used to send the email.	Revise the contents of the template file to reduce the line size. If the default template file is used, no action is required.
KAIC00422-E	The user ID entered for SMTP authentication is invalid.	Enter a valid user ID for SMTP authentication, using from 1 to 64 characters. Specifiable characters for an SMTP authentication user ID are as follows: A to Z, a to z, 0 to 9, and the following characters: - _ . , @ ! # $ % & ' * + = ? ^ |
KAIC00423-E	The password entered for SMTP authentication is invalid.	When specifying a password for SMTP authentication, enter a valid password using from 0 to 64 characters. Specifiable characters for the SMTP authentication password are as follows: A to Z, a to z, 0 to 9, and the following characters:

Message ID	Message Text	Description
		- _ . , @ ! # $ % & ' * + = ? ^ | The password can be omitted.
KAIC00424-E	The user ID or password of Device Manager is invalid.	Specify the correct user ID and password.
KAIC00425-E	The entered Device Manager user does not have permission to execute the command.	When executing the command, make sure the Device Manager user has the Admin permission.
KAIC00426-E	An internal error occurred.	Contact the Support Center.
KAIC00427-E	The command syntax is invalid.	Revise the command syntax.
KAIC00428-E	In the template file, there is no blank line to indicate the end of the header section. (template file name = "*template-file-name*")	Add a blank line at the end of the header section. If the default template file is used, no action is required.
KAIC00500-E	The request contained improperly formatted data.	Correct the request, and then retry.
KAIC00501-E	The device is not supported by Device Manager Server. Explanation = "*storage system*".	Confirm that the IP Address in the request is correct. It is also possible that a configuration error exists in the storage system.
KAIC00504-E	"*specified-name*" is a reserved name and cannot be used as a top-level logical group name.	The CLI or another client has tried to use a reserved group name (e.g., Unallocated). You cannot use the names "Unallocated" or "LUN Scan" for a top-level logical group.
KAIC00505-E	The Device Manager server does not support the specified array family.	Check the array family.
KAIC00506-E	Simultaneous LUN Scans of the storage system are not allowed.	Only one LUN Scan can be performed on a storage system at a time. Make sure that only one Device Manager Server is actively managing the storage system.
KAIC00507-E	The command "*command-name*" is not supported under this API version.	Check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC00508-E	The command "*command*" is not supported for the array family "*family-name*" under this API version.	Check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC00509-E	This Device Manager Server does not support the API version "*version*".	Check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC00510-E	The family of the target storage is not "*storage-family*".	Make sure that the specification is valid.

Message ID	Message Text	Description
KAIC00511-E	The definition of storage name "*storage-name*" is invalid.	Make sure the storage name relations in the config files are valid.
KAIC00512-E	The specified storage system is LUN Security mode. It is not supported in Device Manager.	The configuration of purchasable optional features on the storage system might have changed. Check the storage system.
KAIC00513-E	The servlet name "*xml-servlet-name*" in the request does not match the specified servlet name "*specified-servlet-name*".	Make sure that the servlet name in the request is same as the specified servlet name.
KAIC00514-E	The command "*specified API name*" is not supported by the Device Manager Server.	Check the Device Manager Server XML API manual and make sure that the running API supports the command.
KAIC00515-E	The executed command "*command-name*" does not support the specified array family in this API version.	Find out which API versions support this command.
KAIC00516-E	The Device Manager server does not support the specified array type.	Check the array type.
KAIC00530-E	Device Manager Server does not support the operation by API version "*version*" for this storage system.	Check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC00600-E	An internal server error occurred.	If this problem persists, contact the Support Center.
KAIC00601-E	An invalid parameter of a managed object was detected.	Make sure that the objects are valid.
KAIC00604-E	An attempt to initialize the Common Component Logger has failed.	Make sure that the Common Component is installed.
KAIC00650-E	The database command "*command name*" could not be processed. (argument = "*arguments*", return code = "*return code*", standard output = "*standard output*", standard error = "*standard error*")	To determine the cause and resolve the problem, contact customer support. You may be asked to collect troubleshooting information.
KAIC00651-E	After running the command "*command name*", no response was sent from the database. (argument = "*arguments*", standard output = "*return code*", standard error = "*standard output*") The database might not be running properly.	To determine the cause and resolve the problem, contact customer support. You may be asked to collect troubleshooting information.

Message ID	Message Text	Description
KAIC00652-E	While processing the database command "*command name*", an internal error occurred. (argument = "*arguments*")	To determine the cause and resolve the problem, contact customer support. You may be asked to collect troubleshooting information.
KAIC00653-E	The database cannot be backed up because another database backup or restoration process is running.	Wait a while, and then try again. If the problem continues, collect the error information and contact customer support.
KAIC00654-E	The database cannot be restored because another database backup or restoration process is running.	Wait a while, and then try again. If the problem continues, collect the error information and contact customer support.
KAIC00655-E	Another process is running.	Wait a while, and then try again. If the problem continues, collect the error information and contact customer support.
KAIC00656-E	The property file "*property file name*" is not writable. Verify that you can write to the directory "*property file directory*" and the property file "*property file name*", and then retry the operation. If this problem continues, collect the error information and contact customer support.	Verify that you can write to the directory "*property file directory*" and the property file "*property file name*", and then retry the operation. If this problem continues, collect the error information and contact customer support.
KAIC00657-E	The database backup directory "*directory name*" cannot be created.	Confirm the following: 1. No files or directories have the same name as the database backup directory. 2. No errors occur when writing to the parent directory of the database backup directory. If the problem continues, collect the error information and contact customer support.
KAIC00658-E	The database backup directory "*directory name*" does not exist.	Specify settings by using the VVol Adapter Setup tool.
KAIC00659-E	The directory "*directory name*" for unloading the database log does not exist.	Specify settings by using the VVol Adapter Setup tool.
KAIC00660-E	The command "*command name*" of *PP Name* Common Component cannot be executed. (arguments = *arguments*, return code = *return code*, standard output = *standard output*, standard error = *standard error*)	To determine the cause and resolve the problem, collect troubleshooting information and contact customer support.
KAIC00661-E	No response was sent from *PP Name* Common Component for	To determine the cause and resolve the problem, collect

Message ID	Message Text	Description
	the command "*command name*". (arguments = *arguments*, standard output = *standard output*, standard error = *standard error*)	troubleshooting information and contact customer support.
KAIC00662-E	An error occurred while running the command "*command name*" of *PP Name* Common Component. (arguments = *arguments*)	To determine the cause and resolve the problem, collect troubleshooting information and contact customer support.
KAIC00663-E	The backup file or unload log file cannot be moved. (file name = *file name*, destination directory = *directory name*)	Verify that you can write to the destination directory. After that, retry the operation. If this problem continues, collect the error information and contact customer support.
KAIC00664-E	The database has been blocked. To determine the cause and resolve the problem, collect troubleshooting information and contact customer support.	To determine the cause and resolve the problem, collect troubleshooting information and contact customer support.
KAIC00665-E	Another VVol Adapter Setup tool is running. Exiting...	Verify another VVol Adapter Setup tool is not running, and then try again. If this problem continues, collect the error information and contact customer support.
KAIC00666-E	The specified backup file name "*backup file absolute path*" is invalid. The backup file name must be specified as an absolute path. Change the specified command, and then try again.	Change the specified command, and then try again.
KAIC00667-E	The specified file (or directory) "*backup file absolute path*" is invalid. Use the following characters and specify an absolute path that consists of 136 or fewer characters: "*following characters*"	Use the following characters and specify an absolute path that consists of 136 or fewer characters: "*following characters*"
KAIC00668-E	The specified backup file "*backup file absolute path*" cannot be created because it cannot be written to the directory, or it already exists in the directory. Specify a different directory or a new backup file name, and then try again.	Specify a different directory or a new backup file name, and then try again.
KAIC00669-E	The specified backup file "*backup file absolute path*" cannot be created in the automatic backup directory "*backup directory*	Specify a different directory, and then try again.

Message ID	Message Text	Description
	absolute path". Specify a different directory, and then try again.	
KAIC00670-E	The following options cannot be specified simultaneously: "*option name*" and "*option name*". Change the specified command, and then try again.	Change the specified command, and then try again.
KAIC00671-E	A parameter is not specified. Specify either of the following options: "*option name*" or "*option name*".	Specify either of the following options: "*option name*" or "*option name*".
KAIC00672-E	The following file or directory was not found: "*backup file or work directory*". Change the specified command, and then try again.	Change the specified command, and then try again.
KAIC00673-E	The directory "*backup dir path*" cannot be restored because it has never been backed up. Perform the restoration by directly specifying the backup file in the -backupfile option.	Perform the restoration by directly specifying the backup file in the `-backupfile` option.
KAIC00674-E	The restoration cannot be performed because a backup directory is not specified. Revise the settings by using the VVol Adapter Setup tool.	Revise the settings by using the VVol Adapter Setup tool.
KAIC00675-E	The -target option cannot be specified for "*specified type*". Use the following type: *supporting types*	Use the following type: *supporting types*
KAIC00676-E	The -restoretime option cannot be specified for "*specified time*". Specify the time and date by using the YYYYMMDD_hhmmss format. For example, for 13:01:01 on January 1, 2015, specify 20150101_130101.	Specify the time and date by using the *YYYYMMDD_hhmmss* format. For example, for 13:01:01 on January 1, 2015, specify 20150101_130101.
KAIC00677-E	The restoration cannot be performed because the specified time "*specified time*" is older than the backup. Change the specified command, and then try again.	Change the specified command, and then try again.
KAIC00678-E	The restoration cannot be performed because the specified time "*specified time*" is in the future. Change the specified command, and then try again.	Change the specified command, and then try again.
KAIC00680-E	You can run the command "*command name*" only if *pp name* for VVol is being used.	Verify that the installed *pp name* is *pp name* for VVol. If it is not, you cannot run the command.

Message ID	Message Text	Description
KAIC00682-E	The directory "*new backup directory path*" cannot be set because the following file could not be copied: "*copy target file absolute path*". Make sure that all of the conditions below are met, and then try again. If the same error occurs, collect the error information and then contact customer support. (1) A file in the target directory does not have the same name as the file to be copied. (2) You are able to write to the target directory. (3) The file to be copied is not in use, and you have the required access permissions.	Make sure that all of the conditions below are met, and then try again. If the same error occurs, collect the error information and then contact customer support. 1. A file in the target directory does not have the same name as the file to be copied. 2. You are able to write to the target directory. 3. The file to be copied is not in use, and you have the required access permissions.
KAIC00683-E	The database could not be backed up. An unusable directory might be specified for either the backup directory or unload directory. Specify a different directory, and then try again. If the problem continues, collect the error information and contact customer support.	Specify a different directory, and then try again. If the problem continues, collect the error information and contact customer support.
KAIC00685-E	Before you can run "*databasebackup or databaserestore*", you must stop "*HCS*". Stop "*HCS*", and then try again.	Stop "*HCS*", and then try again.
KAIC00686-E	The database was not found. The database file storage destination cannot be accessed. Confirm that the database file storage destination is accessible, and then try again. If the same error occurs, collect error information, and then contact customer support.	Confirm that the database file storage destination is accessible, and then try again. If the same error occurs, collect error information, and then contact customer support.
KAIC00687-E	The database backup directory might not be set up, or an unusable directory might be specified. Specify settings by using the VVol Adapter Setup tool.	Specify settings by using the VVol Adapter Setup tool.
KAIC00688-E	The directory for unloading the database log might not be set up, or an unusable directory might be specified. Specify settings by using the VVol Adapter Setup tool.	Specify settings by using the VVol Adapter Setup tool.

Message ID	Message Text	Description
KAIC00689-E	An operation on the "*file absolute path*" file or directory has failed. Check the access situation or access permissions for the file or directory.	Check the access situation or access permissions for the file or directory.
KAIC00700-E	An internal server error occurred.	Contact the Support Center.
KAIC00800-E	An internal error occurred.	Contact the Support Center.
KAIC00801-E	An internal error occurred.	Contact the Support Center.
KAIC00802-E	An internal error occurred while Dynamic Link Manager was starting.	Contact the Support Center.
KAIC00805-E	An internal error occurred while NAS Manager was starting.	Contact the Support Center.
KAIC00806-E	An attempt to start NAS Manager has failed.	If this problem persists, contact the Support Center.
KAIC00807-E	An attempt to start has failed.	Contact the Support Center.
KAIC00809-E	The specified program cannot start because of a communication failure with the host agent.	If this problem persists, contact the Support Center.
KAIC00810-E	The parameter "*parameter-name*", which is required to start the specified program, is missing.	Contact the Support Center.
KAIC00811-E	An error occurred in Common Component. Device Manager cannot be started.	Contact the Support Center.
KAIC00812-E	A file access error occurred. Device Manager cannot be started.	Contact the Support Center.
KAIC00813-E	An attempt to connect the device at IP Address "*IP-address*" has failed. NAS Manager cannot be started.	Check the state of the network and the device.
KAIC00814-E	The correct IP address for the device is not found. NAS Manager cannot be started.	Contact the Support Center.
KAIC00815-E	Unable to update license.	Verify the operating environment. If this problem continues, contact Support.
KAIC00816-E	An I/O error occurred. Device Manager cannot be started.	Check the operating environment. If this problem persists, contact the Support Center.
KAIC00817-E	Startup cannot be performed because an I/O error occurred.	Check the operating environment. If this problem persists, contact the Support Center.

Message ID	Message Text	Description
KAIC00818-E	An I/O error occurred. NAS Manager cannot be started.	Check the operating environment. If this problem persists, contact the Support Center.
KAIC00819-E	The startup method for "*Function the user tried to execute*" is invalid.	Use Device Manager Web Client to start "*Function the user tried to execute*".
KAIC00820-E	Settings for linking with *program-name(Disk Array Management Program or Storage Navigator Modular)* are invalid.	Revise the settings for linking with *program-name(Disk Array Management Program or Storage Navigator Modular)* by referring to the Device Manager Server manual. If this problem persists, contact the Support Center.
KAIC00821-E	An internal error occurred while Disk Array Management Program was starting.	Contact the Support Center.
KAIC00822-E	An attempt to start Disk Array Management Program has failed. The Disk Array Management Program service might not be running correctly, or a setting in the launchapp.properties file might be incorrect, or a setting related to the Disk Array Management Program network might be incorrect.	Make sure the Disk Array Management Program service is running correctly, the settings in the `launchapp.properties` file are correct, and the settings related to the Disk Array Management Program network are correct. Also, if the Storage Navigator Modular service is running, stop it. If the error continues to occur after you perform these actions, or if the actions do not apply, contact the Support Center.
KAIC00823-E	Disk Array Management Program could not be started because an I/O error occurred.	Check the operating environment. If this problem persists, contact the Support Center.
KAIC00824-E	An attempt to delete registered unit information from Disk Array Management Program has failed.	Contact the Support Center.
KAIC00825-E	The launch parameter is invalid.	Contact the Support Center.
KAIC00826-E	A Disk Array Management Program server error occurred. (error code = "*Error Code from DAMP Server*", error message = "*Error Message of DAMP server error code*")	Contact the Support Center.
KAIC00827-E	A setting for using "Disk Array Management Program" has not been made or is invalid. The corresponding storage system is not registered or is incorrectly registered with Disk Array Management Program. To use "Disk Array Management	Reference the Device Manager Server manual and revise the settings for linking with related products. If this problem persists, contact the Support Center.

Message ID	Message Text	Description
	Program", a setting for linking with Disk Array Management Program is necessary. Confirm that the corresponding storage system is correctly registered in Disk Array Management Program.	
KAIC00828-E	Startup cannot be performed because a refresh has not been executed for the storage system.	Refresh the storage system.
KAIC00829-E	An internal error occurred while Storage Navigator Modular was starting.	Contact the Support Center.
KAIC00830-E	An unexpected error occurred while Storage Navigator Modular was starting.	Contact the Support Center.
KAIC00831-E	An error occurred in the Storage Navigator Modular. (error code = "*error code from Storage Navigator Modular Server*", error message = "*error message for Storage Navigator Modular error code*")	Contact the Support Center.
KAIC00832-E	A setting for using "*function name(Physical View or Storage Navigator Modular)*" has not been made or is invalid. The corresponding storage system is not registered or is incorrectly registered with Storage Navigator Modular. To use "*function name(Physical View or Storage Navigator Modular)*", a setting for linking with Storage Navigator Modular is necessary. Confirm that the corresponding storage system is correctly registered in Storage Navigator Modular.	Reference the Device Manager Server manual and revise the settings for linking with related products. If this problem persists, contact the Support Center.
KAIC00833-E	An attempt to start Storage Navigator Modular has failed. The Storage Navigator Modular service might not be running correctly, or a setting in the launchapp.properties file might be incorrect, or a setting related to the Storage Navigator Modular network might be incorrect.	Make sure the Storage Navigator Modular service is running correctly, the settings in the `launchapp.properties` file are correct, and the settings related to the Storage Navigator Modular network are correct. Also, if the Disk Array Management Program service is running, stop it. If the error continues to occur after you perform these actions, or if the actions do not apply, contact the Support Center.
KAIC00834-E	A setting for using "*function name(Physical View or Storage Navigator Modular)*" has not been	Reference the Device Manager Server manual and revise the settings for linking with related

Message ID	Message Text	Description
	made or is invalid. Storage Navigator Modular cannot be accessed (URL="*access URL*"). To use "*function name(Physical View or Storage Navigator Modular)*", a setting for linking with Storage Navigator Modular is necessary. Revise the access URL and alias settings. Specify the Storage Navigator Modular URL for the launchapp.damp.url property in the launchapp.properties file. To set alias information, execute the alias information setting command (HWSAlias). To apply the settings, restart Common Component and Device Manager Server.	products. If this problem persists, contact the Support Center.
KAIC00835-E	The target storage system does not support launching. (microcode version = "*microcode version*")	Check the version of the storage system microcode.
KAIC00836-E	The registration for the linking functions failed (cause="*cause*"). Check again after some time.	• Access to the storage system may be in conflict. Please wait and then retry the operation. If this error continues to occur, the value set for `server.http.host` in the `server.properties` file might be invalid. Refer to the Device Manager Server manual and, if necessary, revise the value set for `server.http.host`. If you change the setting, restart the Device Manager server. • If a firewall is configured between the storage system and the Device Manager server, make sure that the settings are correct. • If this problem still occurs after these actions, contact the Support Center.
KAIC00837-E	The launch has failed. No more launch users can be registered because the maximum number of launch users has already been registered in the specified storage system.	Delete unnecessary users from storage system, and then retry the operation.
KAIC00838-E	The launch has failed. A user ID that is the same as the launch user ID is already registered in the storage system.	Delete the already registered user ID from the storage system, and then retry the operation.

Message ID	Message Text	Description
KAIC00839-E	An internal error occurred while Storage Navigator was starting.	Contact the Support Center.
KAIC00840-E	The launch has failed. The configuration of purchasable optional features on the storage system might have changed.	Refresh the storage system, and then try again.
KAIC00841-E	The launch has failed. Storage Navigator Modular (for Web) set for linking does not support the specified storage system.	Check the version of Storage Navigator Modular (for Web).
KAIC00843-E	The launch has failed. Based on the current Device Manager server settings, the specified storage system cannot be launched.	If the specified storage system is managed using an IPv6 IP address, specify the IPv6 IP address or host name for the "`server.http.host`" property in the "`server.properties`" file.
KAIC00850-E	An attempt to read a file has failed. The file does not exist or you do not have read permission for it. (file path = *file path*)	Make sure that the file exists and that you have read permission for it, and then execute the setup tool again.
KAIC00851-E	An attempt to create a temporary file has failed. You do not have write permission or disk space is insufficient. (file path = *file path*)	Make sure that you have write permission and that disk space is sufficient, and then execute the setup tool again.
KAIC00852-E	Configuration of the remote connection settings for the DBMS has failed. Disk space is insufficient.	Make sure disk space is sufficient, and then execute the setup tool again.
KAIC00853-E	Configuration of the remote connection settings for the DBMS has failed. An internal error occurred.	Contact the Support Center.
KAIC00854-E	Configuration of the remote connection settings for the DBMS has failed. Execution of an internal command failed. (executed command = *executed command*)	Contact the Support Center.
KAIC00855-E	An error occurred while a value was being entered from standard input.	Execute the setup tool again.
KAIC00856-E	An internal error occurred while executing the Tuning Manager connection setup tool.	Contact the Support Center.
KAIC00857-E	An internal error occurred while processing to set up database users for other suite products.	Contact the Support Center.
KAIC00858-E	Configuration of the remote connection settings for the DBMS	Contact the Support Center.

Message ID	Message Text	Description
	has failed. Execution of an internal command failed. (executed command = *executed command*, exit code = *exit code*, command message = *command message*)	
KAIC00859-E	Configuration of the remote connection settings for the DBMS has failed. The Common Component service is running.	Stop the Common Component service, and then execute the setup tool again.
KAIC00860-E	The storage system was not found in the Device Manager database.	Check the coding of storage system.
KAIC00861-E	Unable to communicate with the storage system.	Contact Support.
KAIC00862-E	The session is invalid. Log out, and then log in again.	Log out, and then log in again.
KAIC00863-E	The temporary file "*file path*" cannot be deleted. Either the file is either in use, or you do not have the required access permissions. Confirm the target file, and then manually delete it.	Confirm the target file, and then manually delete it.
KAIC00870-E	The number of parameters is invalid. Check the specified parameters.	Check the specified parameters.
KAIC00871-E	The write permission for the config file "*file-name*" is not given to the user. Make sure that the write permission to the file is granted to the user.	Make sure that the write permission to the file is granted to the user.
KAIC00872-E	The user authentication for VMware ESX or VMware vCenter Server (*specified-ipAddress-or-hostname*) has failed. Make sure the specified parameters are correct and that the administrator permission is granted to the user.	Make sure the specified parameters are correct and that the administrator permission is granted to the user.
KAIC00873-E	The access to VMware ESX or VMware vCenter Server (*specified-ipAddress-or-hostname*) is failed. Make sure the specified parameters are correct and VMware ESX or VMware vCenter Server version is 4.0 or later, and then retry the operation. If this problem persists, contact the Support Center.	Make sure the specified parameters are correct and VMware ESX or VMware vCenter Server version is 4.0 or later, and then retry the operation. If this problem persists, contact the Support Center.
KAIC00874-E	The command "*command-name*" execution has failed because	Wait until the command execution is finished, and then try again.

Message ID	Message Text	Description
	another process is executing the command. The command cannot be executed more than once at the same time. Wait until the command execution is finished, and then try again.	
KAIC00875-E	An unexpected error occurred. Contact the Support Center.	Contact the Support Center.
KAIC00876-E	The command "*command-name*" execution is failed. Retry the operation. If this problem persists, contact the Support Center.	Retry the operation. If this problem persists, contact the Support Center.
KAIC00880-E	The command execution is failed because an I/O error occurred. (error details = "*error-details*")	Verify the operating environment. If this problem continues, contact Support.
KAIC01000-E	An unspecified XML translation error was encountered.	Contact the Support Center.
KAIC01001-E	XML translation error: an error occurred parsing the XML : "*XML-parser-error-message*".	Check the request code.
KAIC01003-E	XML translation error: Posted entity is not XML.	Check the request code.
KAIC01011-E	"*attribute-value*" is not a valid value for parameter "*attribute-name*". Enter a parameter of the "*attribute-data-type*" type.	Correct the value of "*attribute-data-type*", and then retry.
KAIC01012-E	XML translation error: An internal error occurred.	Contact the Support Center.
KAIC01013-E	An invalid element "*element-name*" was specified in the XML request.	Check the request code.
KAIC01014-E	An invalid parameter "*parameter-name*" was specified in the XML request element "*element-name*".	Check the request code.
KAIC01015-E	An invalid value was specified for the parameter "*parameter-name*" in the XML request element "*element-name*".	Check the request code.
KAIC01016-E	An invalid child element "*child-element-name*" was specified in the XML request element "*parent-element-name*".	Check the request code.
KAIC01017-E	An attempt to execute a request has failed. Under the current license, the user who made the request does not have permission to execute commands.	Execute this command as a user who has Core License permissions.

Message ID	Message Text	Description
KAIC01018-E	An attempt to execute a request has failed. Under the current license, the specified command cannot be executed.	This command can only be executed when using the Full License.
KAIC01019-E	The license is invalid.	Specify either the Full License or Core License.
KAIC01021-E	The format of command option 2 is incorrect.	Revise the request, and then retry the operation.
KAIC01022-E	The name "*option-name*" is specified twice for command option 2.	Revise the request, and then retry the operation.
KAIC01023-E	The XML request failed. The server may be busy. Wait a few minutes and then try again.	Wait a few minutes and then try again. If this error continues, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIC01024-E	An error occurred. Generation or loading of a"*class-name*" class instance failed.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC02001-E	Duplicate user group names are not allowed.	Make sure that the user group name is not a duplicate, and then retry.
KAIC02002-E	The user group was not found in the Device Manager database.	Make sure that the user group name exists in the Device Manager database, and then retry.
KAIC02004-E	The rule was not found in the Device Manager database.	Check the ACL ruleID.
KAIC02006-E	The user ID or the password is incorrect.	Make sure that the user ID and the password exist.
KAIC02007-E	Duplicate user IDs are not allowed.	A duplicate user ID cannot be registered into the Device Manager ACL database. Change the user ID.
KAIC02009-E	The record was not found in the Device Manager database.	This is an informational message only. No additional action is required.
KAIC02010-E	Duplicate records are not allowed.	This is an informational message only. No additional action is required.
KAIC02011-E	The user "*user-ID*" has an active request, and cannot be deleted.	Try to delete the user once the operation completes.

Message ID	Message Text	Description
KAIC02012-E	The specified user group cannot be added under this API version.	Check the Device Manager Server XML API manual and make sure the running API version supports the command.
KAIC02013-E	The specified user cannot be added under this API version.	Check the Device Manager Server XML API manual and make sure the running API version supports the command.
KAIC02014-E	Access permission error.	Check the access permission of the user.
KAIC02015-E	An internal error occurred during user authority checking.	Contact the Support Center.
KAIC02016-E	The specified logical group is already being used by another user group.	Specify another logical group, and then retry.
KAIC02017-E	The specified user group is already associated with another logical group.	Remove the old association, and then retry.
KAIC02018-E	A user is already registered in the specified user group.	Remove all users from this user group, and then retry.
KAIC02019-E	A user group is registered under the specified logical group.	Remove all user groups under the specified logical group, and then retry.
KAIC02020-E	A user group is registered in the specified logical group.	Create a new logical group, and then add a path in the logical group.
KAIC02021-E	The specified object ID "*ObjectID*" was not permitted for the login user.	Check the ACL rule, and then retry.
KAIC02022-E	The logged-in user does not have permissions for the specified host "*host-name*".	Check the ACL rule for the logged-in user.
KAIC02023-E	The login user cannot remove a LUSE that includes an unpermitted LDEV.	Check the ACL rule, and then retry.
KAIC02024-E	The login user cannot add a path to an unpermitted LDEV.	Check the ACL rule, and then retry.
KAIC02025-E	The login user cannot remove a path that set an unpermitted LDEV.	Check the ACL rule, and then retry.
KAIC02026-E	The local user does not have permission to add a new storage system.	Ask Global-Admin or Global-Storage_Admin to add the new storage system.
KAIC02027-E	The local user does not have permission to remove a storage system.	Ask Global-Admin or Global-Storage_Admin to remove the storage system.

Message ID	Message Text	Description
KAIC02028-E	An object for which the logged-in user does not have permissions was specified.	Check the ACL rule for the logged-in user.
KAIC02030-E	The user "*userID*" does not have permission to run this API.	Check the ACL rule, and then retry.
KAIC02032-E	The login user cannot modify own user role.	Check the login user authorization, and then retry.
KAIC02033-E	The login user cannot operate a replication using an unpermitted LDEV.	Check the ACL rule, and then retry.
KAIC02034-E	The user group name is invalid. Use name less than 25 bytes.	The user group name is invalid. Use name less than 25 bytes.
KAIC02035-E	The specified ACL rule already exists in the Device Manager database.	Revise the rule, and then retry.
KAIC02036-E	A path related to the LDEV to be deleted is registered in the logical group "*logical-group-name*".	From the logical group, remove the path related to the LDEV to be deleted.
KAIC02037-E	This operation cannot be performed because the specified user ID is reserved within Device Manager.	Revise the user specifications.
KAIC02038-E	The storage port "*Host Name*" cannot set access permissions.	Check and, if necessary, revise the target host specification.
KAIC02040-E	Built-in user groups cannot be deleted.	Revise the user group specifications.
KAIC02041-E	The own user group cannot be deleted.	Revise the user group specifications.
KAIC02042-E	Built-in user groups cannot be modified.	Revise the user group specifications.
KAIC02043-E	The own user group cannot be modified.	Revise the user group specifications.
KAIC02044-E	The login user cannot delete own account.	Revise the user specifications.
KAIC02045-E	A user being used by other products (using shared user information) cannot be deleted.	Revise the user specifications.
KAIC02046-E	The requested operation cannot be executed to the specified user.	Revise the user specifications.
KAIC02047-E	The specified ACL rule ID is invalid. It cannot be deleted.	Revise the ACL rule specifications.
KAIC02048-E	The specified user group name cannot be used because it is reserved.	Revise the user group specifications.

Message ID	Message Text	Description
KAIC02050-E	The roles "*Role Name*" and "*Role Name*" cannot be specified at the same time.	Check and, if necessary, revise the role specification.
KAIC02051-E	The role "*Role Name*" cannot be set for the specified resource group.	Check and, if necessary, revise the role specification.
KAIC02052-E	The role "*Role Name*" specification is duplicated.	Check and, if necessary, revise the role specification.
KAIC02053-E	All Resources and user-defined resource groups cannot be assigned to the same user group.	Check and, if necessary, revise the resource group specification, and then try again.
KAIC02054-E	The default and user-defined resource groups for the same storage system cannot be assigned to the same user group.	Check and, if necessary, revise the resource group specification, and then try again.
KAIC02055-E	The specified *Element Name* (object ID = "*object ID*") cannot be moved because it belongs to another resource group (object ID = "*object ID*").	Check and, if necessary, revise the request, and then try again.
KAIC02056-E	You do not have the required permissions. Check the permissions assigned to you.	Get the User Management Admin permissions.
KAIC02057-E	You cannot delete all the resources from a resource group. A resource group must have at least one resource.	To release all the resources in a resource group, you must delete the resource group.
KAIC02058-E	The specified *element-name* (*attribute-name* = "*attribute-value*") does not belong to the resource group (*attribute-name* = "*attribute-value*").	Check and, if necessary, revise the resource group specification, and then try again.
KAIC02059-E	The volume ID (object ID = *object ID*) cannot be set for the volume ID element because the volume ID is a pool volume. Set the pool so that it corresponds to the specified volume ID for the JournalPool element.	Specify a volume that corresponds to the specified volume ID for the JournalPool element.
KAIC02060-E	The specified pool (pool ID = *pool ID*) cannot be added to the resource group "*ID of resource group to which the pool belongs*" because the pool belongs to the resource group "*ID of specified resource group*".	Revise the settings for the pool and resource group, and then try again.
KAIC02061-E	The pool (objectID="*object ID*") cannot be specified for the JournalPool element because it is not a DP pool. Specify pool	Specify pool volumes of the specified pool for the VolumeID element.

Message ID	Message Text	Description
	volumes of the specified pool for the VolumeID element.	
KAIC02100-E	The logged-in user does not have the permissions for using Device Manager functions.	Try again as a user who can use Device Manager functions.
KAIC02101-E	The logged-in user cannot use Device Manager functions because that user does not belong to a user group.	Try again as a user who can use Device Manager functions.
KAIC02150-E	There are no permissions to use the journal group.	Revise the request, and then try again. To use a journal group, the user must have permissions for all the volumes that make up the journal group.
KAIC02250-E	A *PP Name (VolumeMigration)* migration plan related to an LDEV for which the logged-on user does not have the necessary permissions cannot be specified.	Check the ACL rule for the logged-on user.
KAIC02251-E	An LDEV that does not have the necessary permissions cannot be specified as a source volume.	Check the ACL rule for the logged-on user.
KAIC02252-E	An LDEV that does not have the necessary permissions cannot be specified as a target volume.	Check the ACL rule for the logged-on user.
KAIC02253-E	For an LDEV that does not have the necessary permissions, no *PP Name (VolumeMigration)* reserved volume set or release operation can be performed.	Check the ACL rule for the logged-on user.
KAIC02500-E	An unspecified error occurred while performing an operation on the common user information.	Contact the Support Center.
KAIC02501-E	An exception occurred in the common user management function.	Contact the Support Center.
KAIC02502-E	Part of the user group information is inconsistent with part of the common user information.	The common user information might not contain the latest information. Restart the Device Manager server.
KAIC02503-E	The specified user is not registered in the common user information.	Revise the user specifications.
KAIC02504-E	The specified user has already been registered in the common user information.	Revise the user specifications.

Message ID	Message Text	Description
KAIC02505-E	The specified user group is not registered in the common user information.	Revise the user group specifications.
KAIC02506-E	The specified user group has already been registered in the common user information.	Revise the user group specifications.
KAIC02507-E	The common user management function is unavailable.	Check whether the Common Component service is running.
KAIC02508-E	This operation cannot be processed since it is invalid.	Revise the operation.
KAIC02509-E	A communication error occurred during an attempt to authenticate a user on an external authentication server.	Perform one of the following procedures: For LDAP: 1. By using the host, port, and protocol set in `exauth.properties`, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the `hcmdsldapuser` command, check that the information for the server names specified in the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. For RADIUS: 1. By using the host, port, and protocol set in `exauth.properties`, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the `hcmdsradiussecret` command, check that the information for the server names specified in the `auth.server.name` attribute in `exauth.properties` is registered.

Message ID	Message Text	Description
		3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.
KAIC02510-E	You do not have the permissions required to perform operations on resources of the type "*Resource Kind*". Check the assigned roles.	Check the assigned roles.
KAIC02511-E	You do not have the required permissions. Check the assigned roles.	Check the assigned roles.
KAIC03000-E	An unspecified database error was encountered.	Contact the Support Center.
KAIC03001-E	The specified object was not found in the Device Manager database.	Make sure that the specified object exists in the Device Manager database, and then retry.
KAIC03002-E	The ManagedObject does not support name updates.	If the name has to be changed, the object will have to be deleted and re-added.
KAIC03003-E	The device cannot read/write to Device Manager database.	An internal server error was encountered. If this problem persists, contact the Support Center.
KAIC03004-E	The database manager handle is not valid.	If this problem persists, contact the Support Center.
KAIC03005-E	An error was encountered during database query.	If this problem persists, contact the Support Center.
KAIC03006-E	An error was encountered during database insert.	If this problem persists, contact the Support Center.
KAIC03007-E	An error was encountered during database update.	If this problem persists, contact the Support Center.
KAIC03008-E	An error was encountered during database delete.	If this problem persists, contact the Support Center.
KAIC03009-E	The database column "*column-name*" was not found in the result set.	If this problem persists, contact the Support Center.
KAIC03010-E	An error was encountered during the formatting of the database results for the column "*column-name*".	If this problem persists, contact the Support Center.
KAIC03011-E	An attempt to acquire a database connection failed.	If this problem persists, contact the Support Center.
KAIC03012-E	A failure was encountered during the closing of a database connection.	If this problem persists, contact the Support Center.

Message ID	Message Text	Description
KAIC03013-E	A failure was encountered during the committing of a database transaction.	If this problem persists, contact the Support Center.
KAIC03014-E	A failure was encountered during the rolling back of a database transaction.	If this problem persists, contact the Support Center.
KAIC03015-E	Database transaction commit/ rollback failed. No transaction is in progress.	If this problem persists, contact the Support Center.
KAIC03016-E	The entered value exceeds the maximum number of allowable digits. Enter a valid value.	Enter a valid value.
KAIC03017-E	Due to competing database locks, all or a part of the requested update has failed.	If this problem persists, contact the Support Center.
KAIC03018-E	An attempt to migrate the Device Manager database has failed. (return code="*return code*")	If this problem occurs repeatedly, contact the Support Center.
KAIC03019-E	An attempt to convert a character code has failed.	If this problem occurs repeatedly, contact the Support Center.
KAIC03020-E	An attempt to execute the command for releasing free pages has failed. (target="*release target*")	If this problem persists, contact the Support Center.
KAIC03021-E	An attempt to add the command for updating the database has failed.	If this problem persists, contact the Support Center.
KAIC03022-E	Device Manager access to DB is blocked. Problem is detected in Common Component. Call server administrator.	Call server administrator.
KAIC03023-E	Device Manager access to DB is blocked. Problem is detected in Device Manager database. Call server administrator.	Call server administrator.
KAIC03050-E	The ID of table "*Table*" has exceeded the maximum.	Contact the Support Center.
KAIC03051-E	Mapping of the "*type-name*" type for database access cannot be resolved.	Contact the Support Center.
KAIC03052-E	Initialization of table "*Table name*" ("*Key*") has been duplicated.	Contact the Support Center.
KAIC03100-E	An error occurred during the connecting to the Device Manager database.	If this problem persists, contact the Support Center.
KAIC03140-E	Unable to calculate used capacity.	Contact Support.

Message ID	Message Text	Description
KAIC03141-E	An internal server error was encountered. An attempt to acquire the URL of the host agent failed.	Contact the Support Center.
KAIC03143-E	An internal server error was encountered. An attempt to acquire the replication information failed.	Contact the Support Center.
KAIC03144-E	An internal server error was encountered. An attempt to acquire license key information from the database has failed. (Cause:"*cause*")	Contact the Support Center.
KAIC03145-E	An internal error occurred. The record relating to the storage system could not be deleted from the database. (cause = "*cause*")	Contact the Support Center.
KAIC03146-E	An internal error occurred. The SMI-S Enabled storage system information could not be acquired from the database. (table name = "*table name*")	Contact the Support Center.
KAIC03147-E	An internal error occurred. Acquisition of information used for managing the status of table "*table name*" has failed.	Contact the Support Center.
KAIC03148-E	An internal error occurred. Acquisition of information to set for table "*table name*" has failed.	Contact the Support Center.
KAIC03149-E	An internal error occurred. An attempt to acquire the virtualization server information from the database failed. (table name: *table name*)	Contact the Support Center.
KAIC03150-E	An internal error occurred. The number "*number*" does not exist in the table "*table name*".	Contact Support.
KAIC03402-E	A connection error occurred when logging into the Common Component.	Check Common Component, and then retry.
KAIC03403-E	An attempt to log into the Common Component failed. Application "*ApplicationName*" is not permitted to log in.	Contact the Support Center.
KAIC03404-E	Authentication was refused when logging into the Common Component. "*userID*"	Contact the Support Center.
KAIC03405-E	A Common Component error occurred.	Contact the Support Center.

Message ID	Message Text	Description
KAIC03406-E	An error occurred while connecting to the Common Component database.	Contact the Support Center.
KAIC03410-E	An error occurred during operation of the Common Component database. (CIM error: "*error-code*")	Data in the Device Manager database might not match data in the Common Component database. Specify "`true`" for the property "`server.base.initialsynchro`" in the "`server.properties`" file, restart Device Manager Server, and then retry the operation. If this problem still occurs after these actions, Contact the Support Center.
KAIC03411-E	An attempt to acquire Device Manager information for synchronizing with Common Component has failed.	Contact the Support Center.
KAIC03412-E	An internal error occurred while updating the Common Component database.	Contact the Support Center.
KAIC03414-E	An exception occurred in the Common Component linkage of Provisioning Manager.	Specify "`true`" for the property "`server.base.initialsynchro`" in the "`server.properties`" file, and then restart Device Manager Server. If this problem persists, contact the Support Center.
KAIC03415-E	An error occurred while updating the Common Component database. Mismatching data existed in the Device Manager database and the Common Component database.	Specify "`true`" for the property "`server.base.initialsynchro`" in the "`server.properties`" file, and then restart Device Manager Server.
KAIC03416-E	The rollback of the Device Manager database was performed after updating the Common Component database. Therefore, mismatching occurred in the Device Manager database and Common Component database.	Specify "`true`" for the property "`server.base.initialsynchro`" in the "`server.properties`" file, and restart Device Manager Server.
KAIC03420-E	An attempt to register the initial data into the Common Component database has failed.	Check whether the Common Component service is running.
KAIC03421-E	An attempt to synchronize with Common Component has failed.	Contact the Support Center.
KAIC03422-E	An attempt to determine synchronization with Common Component has failed. "*StartingState*"	Contact the Support Center.

Message ID	Message Text	Description
KAIC03423-E	An attempt to synchronize with the information for the displayed list has failed.	Contact the Support Center.
KAIC03440-E	An attempt to acquire the accessing user ID and password for the database has failed.	Make sure that the Common Component service has started, and then restart Device Manager Server. If this problem occurs repeatedly, contact the Support Center.
KAIC03441-E	Database migration has failed.	Contact the Support Center.
KAIC03500-E	A database error occurred during an attempt to add a storage system or refresh the database. Try again.	If this problem persists, contact the Support Center.
KAIC03999-E	An error occurred during the initialization of the Device Manager database functionality.	Make sure that the Device Manager service is started, and that the Device Manager database exists. If this problem persists, contact the Support Center.
KAIC04000-E	Unable to access the "*Kind of data base*" database.	Confirm whether there is a problem in the "*Kind of data base*" database. If this problem continues, contact Support.
KAIC04001-E	Either the specified IP address is not in the correct format, or resolution of the specified host name failed. (specified value = *IP address (host name)*)	Specify the correct IP address or host name.
KAIC04002-E	The specified IP address "*IP address*" is not a correctly formatted *protocol* address.	Revise the specification.
KAIC04100-E	An internal error occurred. An incorrect format for the IP address "*IP-address*" was detected.	Contact the Support Center.
KAIC04211-E	An exception occurred when Storage Navigator Modular was invoked. (exception="*stack-trace*")	Contact the Support Center.
KAIC04212-E	An exception occurred while Storage Navigator Modular event history information was being acquired. (exception="*stack-trace*")	Contact the Support Center.
KAIC04213-E	An error occurred in the Storage Navigator Modular. (error code =	Contact the Support Center.

Message ID	Message Text	Description
	"*error code from Storage Navigator Modular Server*", error message = "*error message for Storage Navigator Modular error code*")	
KAIC05000-E	An unspecified transport error was encountered.	Contact the Support Center.
KAIC05001-E	Device Manager does not support the operation "*operation*" for the storage system type.	Device Manager Server does not support requests on the specified storage system.
KAIC05002-E	An internal server error occurred. The transport connection is not valid for the storage system.	Contact the Support Center.
KAIC05003-E	The storage system is currently locked by "*user-name*".	The storage system is locked by another management application. Check whether anyone is accessing the storage system from another management application on the network. If this problem persists, contact the Support Center.
KAIC05004-E	An attempt to acquire the lock for the storage system has failed.	Check whether anyone is accessing the storage system from another management application on the network. If this problem persists, contact the Support Center.
KAIC05005-E	An attempt to release the SNMP lock has failed after "*number-of-trials*" attempts.	Check whether anyone is accessing the storage system from another management application on the network. If this problem persists, contact the Support Center.
KAIC05006-E	The specified pair no longer exists in the specified storage system. Refresh the storage system information, and check the latest information.	Refresh the storage system information, and check the latest information.
KAIC05008-E	An SNMP error occurred during an internal refresh of the storage system.	If this problem persists, contact the Support Center.
KAIC05009-E	An attempt to retrieve info via SNMP has failed.	If this problem persists, contact the Support Center.
KAIC05010-E	The specified external volume "*external volume ID*" is not available.	Check the state of the external volume.
KAIC05011-E	An internal server error occurred. DeviceIdentificationService was not found.	Contact the Support Center.

Message ID	Message Text	Description
KAIC05012-E	No default service is registered for identification of the array family "*array-family*".	This is an internal server error indicating an invalid configuration in the transport layer. Contact the Support Center.
KAIC05013-E	An error occurred during acquisition of configuration information from the device at IP Address "*IP-address*".	An error was encountered during polling for device configuration information. Check the storage system for possible problems. If this problem persists, contact the Support Center.
KAIC05014-E	Device Manager does not support the specified operation "*operation*" on the storage system. The minimum microcode version is "*version*".	To perform this operation, the microcode version must be updated.
KAIC05015-E	The specified array group "*array-group*" is out of range.	Perform a refresh on the storage system.
KAIC05016-E	The specified array group "*array-group*" already exists.	Perform a refresh on the storage system.
KAIC05018-E	The specified PDEV "*PDEV-ID*" is already in use.	Perform a refresh on the storage system.
KAIC05019-E	The specified LDEV "*device-number*" is out of range.	Perform a refresh on the storage system.
KAIC05020-E	The specified LDEV "*device-number*" already exists.	Perform a refresh on the storage system.
KAIC05022-E	The specified host mode is invalid for the storage system. The setting for the storage system type does not match the actual value.	Specifying the correct model, add the storage system again. If there is a serious impact on your system, contact the Support Center.
KAIC05023-E	The specified host mode is unsupported on the storage system.	Check that the storage system supports this host mode.
KAIC05024-E	The function "*Function-name*" on the storage system does not exist.	Check the storage system functionality.
KAIC05026-E	Device Manager does not support the specified storage system, or a configuration error might exist in the storage system.	Revise the storage system specifications. If there is no problem in the specifications, contact the Support Center.
KAIC05027-E	The number of devNums required to create the specified LU in the current configuration do not exist.	Delete any unnecessary LUs, and then retry.
KAIC05028-E	The *PP Name(Dynamic Provisioning)* ArrayGroup has been specified. A *PP Name(Dynamic Provisioning)*	Revise the ArrayGroup specification.

Message ID	Message Text	Description
	volume cannot be created in Device Manager.	
KAIC05029-E	Current configuration does not have enough IDs to create the specified host group or iSCSI target.	Delete any unnecessary host groups and iSCSI targets, and then retry the operation.
KAIC05030-E	Cannot create the LDEV with the specified emulation type under present storage configuration.	Delete any unnecessary LUs, and then retry.
KAIC05031-E	The specified emulation type is invalid for the array group.	Correct the specified emulation type and/or array group, and then retry.
KAIC05032-E	An LDEV cannot be created for an array group of the emulation type "*emulation-type*".	Check the specified emulation type.
KAIC05034-E	The storage system type is invalid.	Revise the specified storage system type.
KAIC05035-E	An LDEV that has the emulation type "*emulation-type*" cannot be created for the specified device number (devNum="*device-number*").	Revise the specified devNum or emulation type.
KAIC05036-E	The specified device number (devNum="*device-number*") cannot be used.	Revise the specified devNum.
KAIC05037-E	Storage system information is inconsistent between Device Manager and the storage system. Refresh the storage system. If you are a local user, contact the system administrator. If the problem continues, the LDEV with the specified device number (devNum = "*device-number*") may be disabled in the storage system. Revise the devNum specification and retry.	Device Manager server may not contain updated storage system information. Refresh the information and retry. If the problem continues, the LDEV with the specified device number may be disabled in the storage system. Enable the LDEV, refresh the information, and retry.
KAIC05040-E	Operations for command device security are not supported on the microcode version of this storage system.	To perform command device security operations, you will need to upgrade. Contact the Support Center.
KAIC05041-E	The specified SMI-S Enabled storage system was not found.	Revise the specification of the SMI-S Enabled storage system.
KAIC05042-E	An SMI-S Enabled storage system was not found. The specified SMI-S provider does not manage any SMI-S Enabled storage systems supported by Device Manager.	Revise the SMI-S provider specification.

Message ID	Message Text	Description
KAIC05043-E	The specified virtualization-server management program or virtualization server was not found.	Revise the specification for the virtualization-server management program or virtualization server.
KAIC05045-E	The information acquired from the specified virtualization server does not match the information in the database.	Delete the virtualization server from the Device Manager server, and then re-register the virtualization server information.
KAIC05050-E	Unable to set a CLPR number because another process is assigning one. Wait several minutes and retry.	Wait several minutes and retry. If this issue persists, use Element Manager or Storage Navigator to check the CLPR status.
KAIC05051-E	Setting a CLPR number could not be completed. Wait several minutes and use Element Manager or Storage Navigator to check the CLPR status.	Wait several minutes and use Element Manager or Storage Navigator to check the CLPR status.
KAIC05054-E	The parameter (IP address or communication protocol) used to connect to the storage system has been changed in Storage Navigator Modular 2. Make sure the IP address and communication protocol are correct, and then refresh the storage system.	The IP address and communication protocol used to connect to the storage system must be the same as those set in Storage Navigator Modular 2. Check the network environment and the IP address and communication protocol used to connect to the storage system. If necessary, specify the correct IP address or communication protocol, and then refresh the storage system to obtain the most up-to-date configuration information.
KAIC05056-E	An attempt to connect to the storage system failed. Check the specified storage system type, IP address, microcode version, and network port settings, as well as the network status.	Check the following items related to the storage system: • Type • IP address • Microcode version • The ports that will be used. (Check from both Device Manager and the storage system.) • The network status If there is no problem with any of the above items, there is a hardware problem with the network or the storage system.
KAIC05057-E	An attempt to connect to the storage system failed. Check the specified storage system type, IP address, communication protocol, microcode version, and network	Check the following items related to the storage system: • Type • IP address

Message ID	Message Text	Description
	port settings, as well as the network status.	• Communication protocol • Microcode version • The ports that will be used. (Check from both Device Manager and the storage system.) • The network status If there is no problem with any of the above items, there is a hardware problem with the network or the storage system.
KAIC05060-E	The host agent does not support the operation "*operation*".	Revise the host specification.
KAIC05090-E	The specified operation is not supported by the microcode version of this storage system.	To perform the specified operation, you will need to upgrade the microcode version. Contact the Support Center.
KAIC05100-E	An internal server error occurred. An attempt to execute the transport service failed due to a missing parameter "*parameter*".	Contact the Support Center.
KAIC05101-E	An internal server error occurred. An attempt to initialize the transport connection has failed.	Contact the Support Center.
KAIC05102-E	The storage system or SMI-S provider is currently performing other processing. Wait a while, and then try again.	If this problem persists, contact the Support Center.
KAIC05103-E	The virtualization-server management program or the virtualization server is currently processing. Wait a while, and then try again.	If this problem persists, contact the Support Center.
KAIC05110-E	An error occurred while the file server management software was executing processing. Use the detailed information to see the relevant file server management software manual and resolve the problem by the file server management software according to its resolving method. Detailed information: (message ID = "*message-ID*", message = "*detailed-message*", cause = "*cause*", action = "*action-to-take*")	See the relevant file server management software manual and resolve the problem by the file server management software according to its resolving method.
KAIC05111-E	A communication error occurred while the file server management software was executing processing. Use the detailed	See the relevant file server management software manual and resolve the problem by the

Message ID	Message Text	Description
	information to see the relevant file server management software manual and resolve the problem by the file server management software according to its resolving method. Detailed information: (message ID = "*message-ID*", message = "*detailed-message*", cause = "*cause*", action = "*action-to-take*")	file server management software according to its resolving method.
KAIC05112-E	An unexpected error occurred during processing of the file server management software.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05113-E	Communication with the file server management software timed out.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05114-E	The WSDL file was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information. (maintenance information = *path*)	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05115-E	The connected NAS Platform differs from the specified NAS Platform. Make sure the IP address is correct, and then try again.	Make sure the IP address is correct, and then try again.
KAIC05116-E	The specified NAS Platform does not support this operation. Check the NAS Platform firmware version.	Check the NAS Platform firmware version.
KAIC05117-E	Communication with the NAS Platform has timed out. Make sure the NAS Platform's IP address is correct. (error details = *error-details*)	Make sure the NAS Platform's IP address is correct. If it is correct, the NAS Platform load might be too high. Wait a while and try again. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05118-E	Authentication at the NAS Platform failed. Make sure the user ID and password are correct, and then try again. (error details = *error-details*)	Make sure the user ID and password are correct, and then try again.
KAIC05119-E	An error occurred during communication with the NAS Platform. The NAS Platform IP address or authentication information might be incorrect. Revise the IP address and authentication information, and then retry the operation. Otherwise, the file server might be busy. Wait a while, and then try again. (error details = *error-details*)	Revise the IP address and authentication information, and then retry the operation. Otherwise, the NAS Platform might be busy. Wait a while, and then try again. If the problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05120-E	An error occurred during processing on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error.
KAIC05121-E	Acquisition of error information failed because an unspecified error occurred on the NAS Platform during processing. Check the event log in NAS Manager. If this error occurs again, detailed investigation is required for determining the cause and resolving the problem. Contact the Support Center, who might ask you to collect troubleshooting information.	Check the event log in NAS Manager.If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05122-E	An unspecified error occurred during processing on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05123-E	An error occurred while an SSL connection was being initialized with the NAS Platform. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. (detailed information = *error-details*)	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05124-E	An unspecified error occurred during processing on the NAS Platform. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05125-E	Creation of a file system on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05126-E	An error occurred during creation of a file system "*file-system-name*" on a NAS Platform. The file system was successfully created, but was not formatted. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use the NAS Manager to verify the status of the corresponding file system, format and mount it, and then configure On Demand Allocation settings. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, use the NAS Manager to verify the status of the corresponding file system, format and mount it, and then configure On Demand Allocation settings.
KAIC05127-E	An error occurred during creation of a file system "*file-system-name*" on a NAS Platform. The file system was successfully created and formatted, but was not mounted. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use the NAS Manager to verify the status of the corresponding file system, mount it, and then configure On Demand Allocation settings. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, use the NAS Manager to verify the status of the corresponding file system, mount it, and then configure On Demand Allocation settings.
KAIC05128-E	An error occurred during creation of a file system "*file system name*" on a NAS Platform. The	Use this information to remove the cause of the error. After that, use the NAS Manager to verify

Message ID	Message Text	Description
	file system was successfully created, formatted, and mounted, but the On Demand Allocation setting was not configured for it. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use the NAS Manager to verify the status of the corresponding file system, and then configure the On Demand Allocation settings. (Maintenance information: error code = *error-code*, return code = *return-code*)	the status of the corresponding file system, and then configure the On Demand Allocation settings.
KAIC05129-E	Acquisition of file system information on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05130-E	Acquisition of storage pool information on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05131-E	Creation of a CIFS share failed during processing to create a CIFS share on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, use NAS Manager and the following detailed information to resolve the problem.
KAIC05132-E	Creation of an NFS share failed during processing to create an NFS share on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error	Use this information to remove the cause of the error.

Message ID	Message Text	Description
	code = *error-code*, return code = *return-code*)	
KAIC05133-E	Acquisition of the NAS Platform configuration information failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: processing = *method*, error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error.
KAIC05134-E	Creation of a CIFS share path failed during processing to create a CIFS share "*CIFS Share name*" on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, check the status of the relevant CIFS share, and then configure the share path. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, check the status of the relevant CIFS share, and then configure the share path.
KAIC05135-E	Creation of an NFS share path failed during processing to create an NFS share "*NFS Export name*" on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, check the status of the relevant NFS share, and then configure the share path. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, check the status of the relevant NFS share, and then configure the share path.
KAIC05136-E	An error occurred during processing to create a file system on the NAS Platform. Creation and formatting of the file system was completed, but completion of the mount operation could not be confirmed because acquisition of the file system information failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, check the status of the relevant file system, and then resolve the problem. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, check the status of the relevant file system, and then resolve the problem.
KAIC05137-E	An error occurred during processing to create a file system	Use NAS Manager and the detailed information to check the

Message ID	Message Text	Description
	on the NAS Platform. Creation and formatting of the file system was completed, but mounting could not be completed. Use NAS Manager and the following detailed information to check the status of the relevant file system, and then resolve the problem. (detailed information: file system status = *file-system-status*)	status of the relevant file system, and then resolve the problem. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05138-E	An error occurred during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05139-E	An unspecified error occurred while a NAS Platform was executing processing. Acquisition of error information has failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05140-E	An unspecified error occurred during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05141-E	An unspecified error occurred during processing on a NAS Platform. Acquisition of error information has failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05142-E	An attempt to format a file system "*file system name*" on a NAS Platform has failed while the NAS Platform was executing createfilesystem processing. The file system was successfully created, but formatting failed. The NAS Platform reported "*error-details*". Use this information to remove the cause	Use this information to remove the cause of the error. After that, verify the state of the file system concerned from NAS Manager, and then format and mount the file system, and configure the On Demand Allocation settings.

Message ID	Message Text	Description
	of the error. After that, verify the state of the file system concerned from NAS Manager, and then format and mount the file system, and configure the On Demand Allocation settings.	
KAIC05143-E	An attempt to format a file system on the NAS Platform has failed while NAS Platform was executing createfilesystem processing. The file system was successfully created, but formatting and acquisition of error information failed. Verify the state of the file system concerned from NAS Manager, and then format and mount the file system, and configure the On Demand Allocation settings. (details: file system name = *file system name*)	Use the message details and the NAS Manager to verify the status of the corresponding file system, format and mount it, and then configure the On Demand Allocation settings. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05144-E	An error occurred during processing to create a file system "*file-system-name*" on the NAS Platform. The file system was successfully created and formatted, but mounting failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use NAS Manager to check the status of the relevant file system, mount it, and then configure the On Demand Allocation settings.	Use this information to remove the cause of the error. After that, use NAS Manager to check the status of the relevant file system, mount it, and then configure the On Demand Allocation settings.
KAIC05145-E	An error occurred during processing to create a file system "*file system name*" on the NAS Platform. The file system was successfully created and formatted, but mounting and acquisition of error information failed. Use NAS Manager to check the status of the relevant file system, mount it, and then configure the On Demand Allocation settings.	Use the message details and the NAS Manager to verify the status of the corresponding file system, mount it, and then configure the On Demand Allocation settings.
KAIC05146-E	An error occurred during processing to create a file system "*file-system-name*" on the NAS Platform. The file system was successfully created, formatted and mounted, but configuration of the On Demand Allocation settings of the file system failed.	Use this information to remove the cause of the error. After that, check the status of the relevant file system, and then configure the On Demand Allocation settings.

Message ID	Message Text	Description
	The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, check the status of the relevant file system, and then configure the On Demand Allocation settings.	
KAIC05147-E	An error occurred during processing to create a file system "*file-system-name*" on the NAS Platform. The file system was successfully created, formatted and mounted, but configuration of the On Demand Allocation settings and acquisition of error information failed. Use NAS Manager to check the status of the relevant file system, and then configure the On Demand Allocation settings.	Use NAS Manager to check the status of the relevant file system, and then configure the On Demand Allocation settings.
KAIC05148-E	Acquisition of file system information on the NAS Platform failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05149-E	Acquisition of file system information on the NAS Platform and acquisition of error information has failed. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	The Device Manager server might not have the newest NAS Platform information. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05150-E	Acquisition of storage pool information on the NAS Platform failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.

Message ID	Message Text	Description
KAIC05151-E	Acquisition of storage pool information on the NAS Platform and acquisition of error information has failed. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	The Device Manager server might not have the newest NAS Platform information. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05152-E	Creation of a CIFS share failed during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05153-E	Creation of a CIFS share failed during processing on the NAS Platform and acquisition of error information failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05154-E	Creation of an NFS share failed during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05155-E	Creation of an NFS share failed during processing on the NAS Platform and acquisition of error information has failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05156-E	Acquisition of the NAS Platform configuration information failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. (Maintenance information: processing = *method*)	Use this information to remove the cause of the error.

Message ID	Message Text	Description
KAIC05157-E	Acquisition of NAS Platform configuration information and error information failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. (details: processing = *method*)	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05158-E	Modification of a CIFS share failed during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05159-E	Deletion of a CIFS share failed during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05160-E	Modification of a CIFS share failed during processing on the NAS Platform, and acquisition of error information failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05161-E	Deletion of a CIFS share failed during processing on the NAS Platform, and acquisition of error information failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05162-E	Creation of a CIFS share path failed during processing to modify a CIFS share "*CIFS Share name*" on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use NAS Manager to check the status of the relevant CIFS share, and then configure the share path. (Maintenance information: error	Use this information to remove the cause of the error. After that, use NAS Manager to check the status of the relevant CIFS share, and then configure the share path.

Message ID	Message Text	Description
	code = *error-code*, return code = *return-code*)	
KAIC05163-E	Modification of a CIFS share failed during processing to modify a CIFS share on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error code = *error-code*, return code = *return-code*})	Use this information to remove the cause of the error.
KAIC05164-E	Deletion of a CIFS share failed during processing to delete a CIFS share on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error.
KAIC05165-E	Modification of an NFS share failed during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05166-E	Deletion of an NFS share failed during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05167-E	Modification of an NFS share failed during processing on the NAS Platform, and acquisition of error information has failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05168-E	Deletion of an NFS share failed during processing on the NAS Platform, and acquisition of error information has failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
	collect troubleshooting information.	
KAIC05169-E	Creation of an NFS share path failed during processing to modify an NFS share "*NFS Export name*" on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use NAS Manager to check the status of the relevant NFS share, and then configure the share path. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, use NAS Manager to check the status of the relevant NFS share, and then configure the share path.
KAIC05170-E	Modification of an NFS share failed during processing to create an NFS share on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error.
KAIC05171-E	Deletion of an NFS share failed during processing to delete an NFS share on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error.
KAIC05172-E	Configuration of a CIFS share permission failed during processing on the NAS Platform. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05173-E	An attempt to change the permissions of a CIFS share failed during processing on the NAS Platform, and acquisition of error information failed. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05174-E	Configuration of a CIFS share permission failed during processing on the NAS Platform. The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: CIFS share name = *CIFS-share-name*, error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error.
KAIC05175-E	Acquisition of CIFS share information on the NAS Platform failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. Also, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	Use this information to remove the cause of the error. Also, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05176-E	Acquisition of CIFS share information on the NAS Platform failed. Also, acquisition of error information failed. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	The Device Manager server might not have the newest NAS Platform information. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05177-E	Acquisition of CIFS share information on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05178-E	Acquisition of NFS share information on the NAS Platform failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by	Use this information to remove the cause of the error. Also, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.

Message ID	Message Text	Description
	executing a synchronize operation in NAS Manager.	
KAIC05179-E	Acquisition of NFS share information on the NAS Platform and acquisition of error information has failed. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	The Device Manager server might not have the newest NAS Platform information. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05180-E	Acquisition of NFS share information on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05187-E	This operation cannot be performed because the file system to which the NFS share "*NFS share name*" is assigned was changed and is no longer consistent with the information in the database. Use NAS Manager to synchronize NAS Manager with the Device Manager server, and then retry the operation.	Use NAS Manager to synchronize NAS Manager with the Device Manager server, and then retry the operation.
KAIC05188-E	This operation cannot be performed because the file system to which the CIFS share "*CIFS share name*" is assigned was changed and is no longer consistent with the information in the database. Use NAS Manager to synchronize NAS Manager with the Device Manager server, and then retry the operation.	Use NAS Manager to synchronize NAS Manager with the Device Manager server, and then retry the operation.
KAIC05189-E	Collection of CIFS share permission information on the NAS Platform failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, use NAS Manager to synchronize	Use this information to remove the cause of the error. Also, use NAS Manager to synchronize NAS Manager with the Device Manager server.

Message ID	Message Text	Description
	NAS Manager with the Device Manager server.	
KAIC05190-E	Collection of CIFS share permission information on the NAS Platform failed. Also, error details could not be acquired. Use NAS Manager to synchronize NAS Manager with the Device Manager server.	The Device Manager server might not contain the latest NAS Platform information. Use NAS Manager to synchronize NAS Manager with the Device Manager server. If the problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05191-E	Collection of CIFS share permission information on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use NAS Manager to synchronize NAS Manager with the Device Manager server. (Maintenance information: error code = *error-code*, return code = *return-code*)	The Device Manager server might not contain the latest NAS Platform information. Use NAS Manager to synchronize NAS Manager with the Device Manager server.
KAIC05192-E	Collection of execution results during CIFS share permission processing on the NAS Platform failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, use NAS Manager to synchronize NAS Manager with the Device Manager server.	Use this information to remove the cause of the error. After that, use NAS Manager to synchronize NAS Manager with the Device Manager server.
KAIC05193-E	Collection of execution results during CIFS share permission processing on the NAS Platform failed. Use NAS Manager to synchronize NAS Manager with the Device Manager server.	The Device Manager server might not contain the latest NAS Platform information. Use NAS Manager to synchronize NAS Manager with the Device Manager server. If the problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05194-E	Collection of execution results during CIFS share "*CIFS-share-name*" permission processing on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, use	Use this information to remove the cause of the error. After that, use NAS Manager to synchronize NAS Manager with the Device Manager server.

Message ID	Message Text	Description
	NAS Manager to synchronize NAS Manager with the Device Manager server. (Maintenance information: error code = *error-code*, return code = *return-code*)	
KAIC05195-E	Acquisition of the practice result of CIFS share permission information on the NAS Platform failed. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05196-E	Acquisition of the practice result of CIFS share permission information on the NAS Platform failed. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	The Device Manager server might not have the newest NAS Platform information. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05197-E	Acquisition of the practice result of CIFS share "*CIFS-share-name*" permission information on the NAS Platform failed. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05198-E	The process failed to deliver results. Wait a while, and then try again. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. (operation target = "*operation-target*")	Wait a while, and then try again. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05199-E	The path information on the NAS Platform could not be acquired.	Use this information to remove the cause of the error.

Message ID	Message Text	Description
	The NAS Platform reported "*message*". Use this information to remove the cause of the error. (Maintenance information: error code = *error-code*, return code = *return-code*)	
KAIC05200-E	Initialization of the SNMP connection at IP-address "*IP-address*" has failed.	An error occurred during the initialization of the SNMP for the specified IP Address. This indicates a network connection or SNMP configuration error on the device.
KAIC05201-E	A parameter is invalid. (parameter = "*parameter*")	Revise the specification, and then try again.
KAIC05202-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. CIFS share information could not be acquired while trying to delete CIFS shares on the file system. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05203-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. CIFS share information could not be acquired while trying to delete CIFS shares on the file system. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05204-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. CIFS share information could not be acquired while trying to delete CIFS shares on the file system. Also, error information could not be acquired. Use the NAS	Use the message details and the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.

Message ID	Message Text	Description
	Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.	
KAIC05205-E	An error occurred while trying to delete a file system on the NAS Platform. CIFS shares "*CIFS-Share-name*" on the file system could not be deleted. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05206-E	An error occurred while trying to delete a file system on the NAS Platform. CIFS shares "*CIFS-Share-name*" on the file system could not be deleted. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05207-E	An error occurred while trying to delete a file system on the NAS Platform. CIFS shares "*CIFS-Share-name*" on the file system could not be deleted. Also, error information could not be acquired. Use the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.	Use the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.
KAIC05208-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. NFS export information could not be acquired while trying to delete NFS exports on the file system. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.

Message ID	Message Text	Description
	synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, return code = *return-code*)	
KAIC05209-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. NFS export information could not be acquired while trying to delete NFS exports on the file system. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05210-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. NFS export information could not be acquired while trying to delete NFS exports on the file system. Also, error information could not be acquired. Use the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.	Use the message details and the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation. If the problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05211-E	An error occurred while trying to delete a file system on the NAS Platform. NFS exports "*NFS-Export-name*" on the file system could not be deleted. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, return code = *return-code*)	Remove the cause of the error according to the message details. Also, the Device Manager server might not have the newest NAS Platform information. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05212-E	An error occurred while trying to delete a file system on the NAS Platform. NFS exports "*NFS-Export-name*" on the file system could not be deleted. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that,	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.

Message ID	Message Text	Description
	synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	
KAIC05213-E	An error occurred while trying to delete a file system on the NAS Platform. NFS exports "*NFS-Export-name*" on the file system could not be deleted. Also, error information could not be acquired. Use the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.	Use the message details and the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.
KAIC05214-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. The NFS exports and CIFS shares that existed on the file system were successfully deleted, but the file system could not be unmounted. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05215-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. The NFS exports and CIFS shares that existed on the file system were successfully deleted, but the file system could not be unmounted. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05216-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. The NFS exports and CIFS shares that existed on the file system were	Use the message details and the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.

Message ID	Message Text	Description
	successfully deleted, but the file system could not be unmounted. Also, error information could not be acquired. Use the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.	
KAIC05217-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. The NFS exports and CIFS shares that existed on the file system were successfully deleted and the file system was successfully unmounted, but the file system could not be deleted. The NAS Platform reported "*message*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, return code = *return-code*)	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05218-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. The NFS exports and CIFS shares that existed on the file system were successfully deleted and the file system was successfully unmounted, but the file system could not be deleted. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05219-E	An error occurred while trying to delete a file system "*file-system-name*" on the NAS Platform. The NFS exports and CIFS shares that existed on the file system were successfully deleted and the file system was successfully unmounted, but the file system could not be deleted. Also, error information could not be acquired. Use the NAS Manager to check the status of the	Use the message details and the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.

Message ID	Message Text	Description
	corresponding file system, remove the cause of the error, and then retry the operation.	
KAIC05220-E	An error occurred during expansion of the file system "*file-system-name*" on the server or cluster. Detailed information about the error is as follows: "*error-details*" Use this information to remove the cause of the error, and then execute a synchronize operation in NAS Manager to synch the NAS Platform information with the Device Manager server. After that, retry the operation. (maintenance information = *maintenance-information*)	Use the detailed information to remove the cause of the error, and then execute a synchronize operation in NAS Manager to synch the NAS Platform information with the Device Manager server. After that, retry the operation.
KAIC05221-E	The file system "*file-system-name*" on the NAS Platform could not be set to "On Demand Allocation". The NAS Platform reported "*error-details*". Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	Use this information to remove the cause of the error. After that, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05222-E	The file system "*file-system-name*" on the NAS Platform could not be set to "On Demand Allocation". Also, error information could not be acquired. Use the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.	Use the NAS Manager to check the status of the corresponding file system, remove the cause of the error, and then retry the operation.
KAIC05223-E	The storage pool "*storage-pool-name*" does not exist in the server or cluster. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then check the information about "*storage-pool-name*". (Maintenance information: error code = *error-code*, HTTP status code = *http-status-code*)	Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then check the imformation of "*storage-pool-name*".

Message ID	Message Text	Description
KAIC05224-E	Error information could not be acquired. Use the NAS Manager to check the status of the corresponding storage pool.	Use the NAS Manager to check the status of the corresponding storage pool.
KAIC05225-E	An error occurred during processing to edit the storage pool "*storage-pool-name*" on the server or cluster. Detailed information about the error is as follows: "*error-detail*" Use this information to remove the cause of the error, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation. (Maintenance information: *detailed-information*)	Remove the cause of the error using the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05226-E	An error occurred during deletion of the storage pool "*storage-pool-name*" from the server or cluster. Detailed information about the error is as follows: "*error-detail*" Use this information to remove the cause of the error, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation. (Maintenance information: *detailed-information*)	Remove the cause of the error using the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05227-E	An error occurred during deletion of the storage pool "*storage-pool-name*" on the server or cluster. The storage pool was successfully deleted, but the access configuration of one or more system drives (ID = *IDs-of-system-drives*) could not be changed to "Denied" status. The NAS Platform reported "*error-detail*". Use this information to remove the cause of the error. After that, use NAS Manager to change the access configuration of the system drive(s) to "Denied" status, and then synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: *maintenance-information*)	Use this information to remove the cause of the error. After that, use NAS Manager to change the access configuration of the system drive(s) to "Denied" status, and then synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager.

Message ID	Message Text	Description
KAIC05228-E	The access configuration of a storage pool (*storage-pool-name*) on the server or cluster could not be changed to "Denied" status. The NAS Platform reported "*error-detail*". Use this information to remove the cause of the error. After that, use NAS Manager to change the access configuration of the storage pool to "Denied" status, and then synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: *maintenance-information*)	Use this information to remove the cause of the error. After that, use NAS Manager to change the access configuration of the storage pool to "Denied" status, and then synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05229-E	An attempt to forget one or more system drives (ID = *IDs-of-system-drives*) on the server or cluster failed. The NAS Platform reported "*error-detail*". Use this information to remove the cause of the error. After that, use NAS Manager to forget the system drive(s), and then synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager. (Maintenance information: *maintenance-information*)	Use this information to remove the cause of the error. After that, use NAS Manager to forget the system drive(s), and then synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05230-E	An error occurred during creation of the storage pool "*storage-pool-name*" on the server or cluster. Detailed information about the error is as follows: "*error-detail*" Use this information to remove the cause of the error, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation. (Maintenance information: *detailed-information*)	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05231-E	An error occurred during expansion of the storage pool "*storage-pool-name*" on the server or cluster. Detailed information about the error is as follows: "*error-detail*" Use this information to remove the cause of the error, and then synchronize the information with	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.

Message ID	Message Text	Description
	the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation. (Maintenance information: *detailed-information*)	
KAIC05232-E	An error occurred during acquisition of information about the storage pool "*storage-pool-name*" on the server or cluster. Detailed information about the error is as follows: "*error-detail*" Use this information to remove the cause of the error, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation. (Maintenance information: *detailed-information*)	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05233-E	Creation of the storage pool "*storage-pool-name*" on the server or cluster failed. The server or cluster does not recognize the system drives ((storage system, volume) = *storage-system-name-and-volume*) to be used for the storage pool. Use NAS Manager to check whether the system drives are recognized. If they are not, revise the configuration and settings between the NAS Platform and the storage system.	Use NAS Manager to check whether the system drives are recognized. If they are not, revise the configuration and settings between the NAS Platform and the storage system.
KAIC05234-E	Expansion of the storage pool "*storage-pool-name*" on the server or cluster failed. The server or cluster does not recognize the system drives ((storage system, volume) = *storage-system-name-and-volume*) to be used for the storage pool. Use NAS Manager to check whether the system drives are recognized. If they are not, revise the configuration and settings between the NAS Platform and the storage system.	Use NAS Manager to check whether the system drives are recognized. If they are not, revise the configuration and settings between the NAS Platform and the storage system.
KAIC05235-E	One or more system drives (ID = *IDs-of-system-drives*) on the server or cluster cannot be forgotten. The target system drives might have already been forgotten. Using NAS Manager, verify whether the system drives exist, and then forget them.	Using NAS Manager, verify whether the system drives exist, and then forget them.

Message ID	Message Text	Description
KAIC05236-E	An error occurred during creation of the storage pool "*storage-pool-name*" on the server or cluster. The system drive (ID = *list-of-system-drive-ID*) is in an unusable status. In NAS Manager, make sure that the status of the system drive is "OK", and then retry the operation.	Check the system derive in NAS Manager, and check the OK status, and then retry the operation.
KAIC05237-E	An error occurred during expansion of the storage pool "*storage-pool-name*" on the server or cluster. The system drive (ID = *list-of-system-drive-ID*) to be used for expansion of the storage pool is in an unusable status. In NAS Manager, make sure that the status of the system drive is "OK", and then retry the operation.	Check the system derive in NAS Manager, and check the OK status, and then retry the operation.
KAIC05238-E	An attempt to forget one or more system drives (ID = *IDs-of-system-drives*) on the server or cluster failed. The current status of the target system drive(s) prevents the target system drive(s) from being forgotten. Use NAS Manager to make sure that the status of the target system drive(s) is "Not Present", and then forget the system drive(s).	Use NAS Manager to make sure that the status of the target system drive(s) is "Not Present", and then forget the system drive(s).
KAIC05239-E	An error occurred during creation of the storage pool "*storage-pool-name*" on the server or cluster. The setting of *superflush or allowed* for the system drive (ID = *system-drive-ID*) failed. Detailed information about the error is as follows: "*error-detail*" Use this information to remove the cause of the error, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation. (Maintenance information: *detailed-information*)	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05240-E	An error occurred during expansion of the storage pool "*storage-pool-name*" on the server or cluster. The setting of *superflush or allowed* for the system drive (ID = *system-drive-ID*) failed. Detailed information	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.

Message ID	Message Text	Description
	about the error is as follows: "*error-detail*" Use this information to remove the cause of the error, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation. (Maintenance information: *detailed-information*)	
KAIC05241-E	The system drive (ID = *system-drive-ID*) does not exist in the server or cluster. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, HTTP status code = *http-status-code*)	Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then check the information of *system-drive-ID*.
KAIC05242-E	Acquisition of information about the fileserver "*NAS Platform-name*" failed. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: error code = *error-code*, HTTP status code = *http-status-code*)	Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then check the information of *NAS Platform-name*.
KAIC05243-E	An error occurred during creation of the storage pool "*storage-pool-name*" on the server or cluster. The NAS Platform reported "*error-detail*". In NAS Manager, check whether the storage pool has been created. If it hasn't, auto-group configuration of the system drives might have failed. Use the NAS Platform Help to check the requirements for auto-group configuration of system drives. If the requirements are not met, use the NAS Platform CLI to change the group configuration of the system drives, and then retry the operation. (Maintenance information: *maintenance-information*)	In NAS Manager, check whether the storage pool has been created. If it hasn't, auto-group configuration of the system drives might have failed. Use the NAS Platform Help to check the requirements for auto-group configuration of system drives. If the requirements are not met, use the NAS Platform CLI to change the group configuration of the system drives, and then retry the operation.
KAIC05244-E	An error occurred during expansion of the storage pool "*storage-pool-name*" on the	In NAS Manager, check whether the storage pool has been expanded. If it hasn't, auto-group

Message ID	Message Text	Description
	server or cluster. The NAS Platform reported "*error-detail*". In NAS Manager, check whether the storage pool has been expanded. If it hasn't, auto-group configuration of the system drives might have failed. Use the NAS Platform Help to check the requirements for auto-group configuration of system drives. If the requirements are not met, use the NAS Platform CLI to change the group configuration of the system drives, and then retry the operation. (Maintenance information: *maintenance-information*)	configuration of the system drives might have failed. Use the NAS Platform Help to check the requirements for auto-group configuration of system drives. If the requirements are not met, use the NAS Platform CLI to change the group configuration of the system drives, and then retry the operation.
KAIC05245-E	The chunk size could not be acquired. The NAS Platform reported "*error-detail*". Use this information to remove the cause of the error. After that, synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. (Maintenance information: *maintenance-information*)	Use this information to remove the cause of the error. After that, synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05246-E	Creation of the storage pool "*storage-pool-name*" on the server or cluster failed. The server or cluster cannot acquire the system drive information to be used for creation of the storage pool. Initialization of the port might take time. Wait a while, and then retry the operation. If the problem persists, then to determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.	Wait a while, and then retry the operation. If the problem persists, then to determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05247-E	Expansion of the storage pool "*storage-pool-name*" on the server or cluster failed. The server or cluster cannot acquire the system drive information to be used for expansion of the storage pool. Initialization of the port might take time. Wait a while, and then retry the operation. If the problem	Wait a while, and then retry the operation. If the problem persists, then to determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
	persists, then to determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.	
KAIC05248-E	An error occurred during processing to forget one or more system drives on the server or cluster. The system drives were successfully forgotten, but information about the server or cluster could not be acquired. The file server reported "*error-detail*". Remove the cause of the error using the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. (maintenance information = *maintenance-information*)	Remove the cause of the error using the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC05251-E	The specified volume is already being used by another *PP Name (VolumeMigration)* migration plan.	Revise the volume specification.
KAIC05252-E	The specified *PP Name (VolumeMigration)* migration plan was not found in the storage system.	Check and, if necessary, revise the specification.
KAIC05254-E	The specified *PP Name (VolumeMigration)* migration plan cannot be deleted because migration has not finished.	Check and, if necessary, revise the specification.
KAIC05255-E	The specified *PP name (VolumeMigration)* migration plan cannot be canceled because it is not running.	Check and, if necessary, revise the specification.
KAIC05256-E	The path information on the NAS Platform could not be acquired. The NAS Platform reported "*error-details*". Use this information to remove the cause of the error.	Use this information to remove the cause of the error.
KAIC05257-E	The path information on the NAS Platform could not be acquired. Error details also could not be acquired. Wait a while, and then try again. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to	If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
	collect troubleshooting information.	
KAIC05258-E	The file system (*file-system-name*) cannot be mounted on the server or cluster. The error details are below. Use the error details *error-details* to remove the cause of the error. After that, use NAS Manager to synchronize the information for the Device Manager server and the NAS Platform, and then try again. (Maintenance information: *maintenance-information*)	Use the error details to remove the cause of the error. After that, use NAS Manager to synchronize the information for the Device Manager server and the NAS Platform, and then try again.
KAIC05259-E	An error occurred while mounting the file system (*file-system-name*) on the server or cluster. Because of this, the mounting of the file system was not completed. Use NAS Manager and the detailed information to check the status of the relevant file system, and then resolve the problem. (Detailed information: file system status = *file-system-status*)	Use NAS Manager and the detailed information to check the status of the relevant file system, and then resolve the problem. If the same problem persists, detailed investigation is required to find the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC05260-E	The file system (*file-system-name*) cannot be unmounted from the server or the cluster. The error details are below. Use the error details *error-details* to remove the cause of the error. After that, use NAS Manager to synchronize the information for the Device Manager server and the NAS Platform, and then try again. (Maintenance information: *maintenance-information*)	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05261-E	An error occurred while mounting the file system (*file-system-name*) on the server or cluster. The error details are below. Use the error details *error-details* to remove the cause of the error. After that, use NAS Manager to synchronize the information for the Device Manager server and the NAS Platform, and then try again. (Maintenance information: *maintenance-information*)	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05262-E	An error occurred while unmounting the file system (*file-system-name*) on the server or cluster. The error details are	Remove the cause of the error using by the error detail, and synchronize the information with the Device Manager server by

Message ID	Message Text	Description
	below. Use the error details *error-details* to remove the cause of the error. After that, use NAS Manager to synchronize the information for the Device Manager server and the NAS Platform, and then try again. (Maintenance information: *maintenance-information*)	executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC05263-E	The specified operation "*Function-name*" cannot be performed because a license is required. Register the required license for the storage system, and then try again. If the license is already registered and the same error occurs, refresh the storage system in Device Manager and then try again.	Register the required license for the storage system, and then try again. If the license is already registered and the same error occurs, refresh the storage system in Device Manager and then try again.
KAIC05264-E	Unable to communicate with the NAS Manager (URL = "*access-URL*"). If the problem persists, detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information and contact customer support for further assistance.	If the problem persists, detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information and contact customer support for further assistance.
KAIC05270-E	Communication with the VASA provider has timed out. Make sure the VASA provider's IP address is correct. (error details = *error-details*)	Communication with the VASA provider has timed out. Make sure the VASA provider's IP address is correct. (error details = *error-details*)
KAIC05271-E	An error occurred during communication with the VASA provider. The VASA provider's IP address might be incorrect. Revise the IP address, and then retry the operation. Alternatively, the VASA provider might be busy. Wait a while, and then try again. (error details = *error-details*)	An error occurred during communication with the VASA provider. The VASA provider's IP address might be incorrect. Revise the IP address, and then retry the operation. Alternatively, the VASA provider might be busy. Wait a while, and then try again. (error details = *error-details*)
KAIC05272-E	An error occurred during processing on the VASA provider. The VASA provider reported "*message*". Use this information to remove the cause of the error. (maintenance information: error code = *error-code*, return code = *return-code*)	An error occurred during processing on the VASA provider. The VASA provider reported "*message*". Use this information to remove the cause of the error. (maintenance information: error code = *error-code*, return code = *return-code*)
KAIC05273-E	Acquisition of error information failed because an unspecified	Acquisition of error information failed because an unspecified error occurred on the VASA

Message ID	Message Text	Description
	error occurred on the VASA provider during processing. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	provider during processing. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05274-E	An error occurred during processing on the VASA provider. The VASA provide reported "*message*". Use this information to remove the cause of the error.	An error occurred during processing on the VASA provider. The VASA provide reported "*message*". Use this information to remove the cause of the error.
KAIC05277-E	An error occurred while establishing communication with the VASA provider. Make sure the IP address of the VASA provider is correct. (error details = "*error-details*")	Either the IP address of the VASA provider is incorrect, or the load on the VASA provider is too high. Wait a while and then try again. If the problem persists, detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information, and then contact customer support.
KAIC05278-E	Failed to retrieve the error information due to an unexpected error while communicating the VASA provider. If the problem persists, detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information, and then contact customer support.	If the problem persists, detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information, and then contact customer support.
KAIC05280-E	The specified file system does not exist on the VASA provider. (file system name = "*file-system*", NAS Platform name = "*NAS Platform*")	Revise the specified file system, and then retry the operation.
KAIC05281-E	The specified storage container does not exist on the VASA provider. (storage container name = "*storage-container*", file system name = "*file-system*")	Revise the specified storage container, and then retry the operation.
KAIC05282-E	The specified capability profile does not exist on the VASA provider. (capability profile name = "*capability-profile*", file system name = "*file-system*")	Revise the specified capability profile, and then retry the operation.
KAIC05283-E	The specified file system is in use by another storage container. (file system name = "*file-system*", NAS Platform name =	Revise the specified file system, and then retry the operation.

Message ID	Message Text	Description
	"*NAS Platform*", storage container name in use = "*storage-container*")	
KAIC05284-E	The specified file system does not exist on the VASA provider. (file system name = "*file-system*", NAS Platform name = "*NAS Platform*")	Revise the specified file system, and then retry the operation.
KAIC05285-E	The specified storage container does not exist on the VASA provider. (storage container name = "*storage-container*", file system name = "*file-system*")	Revise the specified storage container, and then retry the operation.
KAIC05286-E	The specified capability profile does not exist on the VASA provider. (capability profile name = "*capability-profile*", file system name = "*file-system*")	Revise the specified capability profile, and then retry the operation.
KAIC05287-E	The specified NAS Platform does not exist on the VASA provider. (NAS Platform name = "*NAS Platform*")	Revise the specified NAS Platform, and then retry the operation.
KAIC05288-E	An error occurred on the VASA provider. (maintenance information = "*message*")	Detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05289-E	An error occurred on the VASA provider. (maintenance information = "*message*")	Detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05300-E	An unspecified transport error was encountered.	Contact the Support Center.
KAIC05302-E	An attempt to load a storage system connection library has failed.	Contact the Support Center.
KAIC05303-E	An attempt to log in to the storage system has failed. Check the validity of the user ID and password. Moreover, please confirm whether the account registered in the storage system is effective.	Make sure the user ID and password are valid, and then retry the operation. If Advanced Security Mode is changed in the Hitachi AMS or SMS series, all accounts registered in the storage system are initialized. If this happens, create an account in Hitachi Storage Navigator Modular 2, and then retry the operation.

Message ID	Message Text	Description
KAIC05304-E	Permissions necessary to manage the storage system are not allocated.	Make sure that the permissions to manage the storage system are allocated. If this problem continues to occur, contact the Support Center.
KAIC05305-E	Another management application on the network is changing the storage system configuration.	Make sure that the storage system configuration is not being changed by another management application. If this problem continues to occur, contact the Support Center.
KAIC05306-E	Specified PDEV are not continuous.	Specify continuous PDEV. If the problem persists, contact the Support Center.
KAIC05307-E	The number of PDEVs ("*number-of-PDEVs*") does not match the type "*RAID-type*".	A valid PDEV number needs to be assigned.
KAIC05308-E	You cannot delete the LU. You can only delete the last logical unit created. The last LU created was "*device-number*".	You can only delete the last logical unit created. The last LU created was "*device-number*".
KAIC05310-E	An attempt to connect to the storage system has failed. Check the validity of the storage type, and IP address, and DAMP connection port number, and network connectivity.	Confirm the storage system type and IP address and storage system connection port number are correct. If these are correct, there is a network or storage system problem.
KAIC05311-E	No more spare drives can be added on the storage system.	Remove other spare drives, and then retry.
KAIC05312-E	No more command devices can be added to the specified storage system.	Up to 2 LUs of command devices can be specified. Delete unnecessary command devices, and then retry.
KAIC05313-E	An API function that was executed by the storage system microcode is not supported.	Check the version of the storage system microcode.
KAIC05314-E	The specified RAID type is invalid.	Check the request.
KAIC05315-E	The Device Manager server does not support the specified storage system.	Check the specified storage system is supported by the Device Manager.
KAIC05350-E	The name of the virtualization server (*host-name*) detected for the specified IP address (*IP-address*) is the same as a host name already registered in Device Manager.	Revise the host name, and then try again.
KAIC05381-E	This Device Manager does not support the LUN Management option.	Check this storage system's option list.

Message ID	Message Text	Description
KAIC05390-E	The port "*port-name*" was not found on the storage system.	Make sure that the port name is correct, and then retry. If this problem persists, contact the Support Center.
KAIC05391-E	The controller "*controller-ID*" was not found on the storage system.	Make sure that the controller number is correct, and then retry. If this problem persists, contact the Support Center.
KAIC05392-E	HostStorageDomain "*host-storage-domain-ID*" was not found on the storage system.	Make sure that the HostStorageDomain is correct, and then retry. If this problem persists, contact the Support Center.
KAIC05393-E	The specified Port Option "*port-option-name*" is not supported on the microcode version of this storage system.	A microcode upgrade is required to use the specified port option. Contact the Support Center.
KAIC05394-E	An attempt to log in to the storage system failed because another user is already logged in. Wait a while, and then retry the operation. If Physical View, Storage Navigator Modular or Storage Navigator Modular 2 is open, close the window, and then retry the operation.	Wait a while, and then retry the operation. If Physical View, Storage Navigator Modular or Storage Navigator Modular 2 is open, close the window, and then retry the operation.
KAIC05395-E	An attempt to register a user failed because the maximum number of users is already registered.	Delete unnecessary users from storage system, and then retry the operation.
KAIC05396-E	An attempt to register a user failed because the specified user ID is already registered.	Revise the user ID or password specifications, and then retry the operation.
KAIC05400-E	An attempt to connect to the storage system at IP Address "*IP-address*" has failed. Check the validity of the user ID and password, storage type, and IP address, as well as any network connections.	The HTTP connection command has failed. Check the validity of the userID, password, storage type, IP address, and network connections.
KAIC05401-E	An attempt to retrieve data for the storage system has failed. Check the validity of the user ID and password, as well as any network connections.	The `HTTP GET` command has failed to retrieve the desired data. Check the network connection and the user ID and password used to access the device. The Device Manager Server may need to be refreshed to obtain the latest configuration information.
KAIC05402-E	An attempt to execute the operation on the storage system has failed.	The `HTTP POST` command failed. Check the network connection and the user ID and password

Message ID	Message Text	Description
		used to access the device. The Device Manager Server may need to be refreshed to obtain the latest configuration information.
KAIC05409-E	The chassis referenced in the request is not valid for the storage system.	Perform a refresh on the storage system, and then retry.
KAIC05410-E	Processing cannot be performed because there are not enough encryption keys. Create encryption keys by using Element Manager or Storage Navigator Modular 2, and then retry the operation.	Create encryption keys using Element Manager or Storage Navigator Modular 2, and then retry the operation.
KAIC05420-E	An internal error occurred.	Contact the Support Center.
KAIC05421-E	There is no external array groups that Device Manager can assign.	Delete any unnecessary external array groups, and then try again.
KAIC05422-E	An attempt to create the external array group "*External Array Group*" has failed.	Revise the external array group specification.
KAIC05423-E	There is no path groups that Device Manager can assign.	Delete any unnecessary path groups, and then retry the operation.
KAIC05424-E	The specified LU cannot be created because the total capacity of that LU exceeds the capacity of the external volume.	Revise the LU specification.
KAIC05425-E	An internal server error occurred. Execution of the transport service failed due to an invalid parameter value.	Contact the Support Center.
KAIC05430-E	The specified external volume (port ID = *Port ID*, external WWN = *External WWN*, external LUN = *External LUN*) was not found. The configuration of the external storage system might have changed.	After you refresh the internal storage system, refresh the external storage system, and then try again.
KAIC05431-E	The connection and zoning settings for the internal and external storage systems could not be confirmed by using the specified port of the internal storage system (port ID = *Port ID*) and the specified port of the external storage system (external WWN = *External WWN*).	Make sure the connection and zoning settings for the internal and external storage systems are correct, and then try again.
KAIC05432-E	The specified external volume (port ID = "*PortID*", external WWN = "*ExternalWWN*", external	After checking the specified external volume, resolve the cause of the error, and then

Message ID	Message Text	Description
	LUN = "*ExternalLun*") cannot be used as a source volume for a data migration using virtual IDs.	refresh the external storage system.
KAIC05433-E	The specified external volume (port ID = "*PortID*", external WWN = "*ExternalWWN*", external LUN = "*ExternalLun*") cannot be used as a source volume for a data migration using virtual IDs.	After checking the specified external volume, resolve the cause of the error, and then refresh the external storage system.
KAIC05434-E	The specified external volume (port ID = "*PortID*", external WWN = "*ExternalWWN*", external LUN = "*ExternalLun*") cannot be mapped as an internal parity group.	After checking the specified external volume, resolve the cause of the error, and then refresh the external storage system.
KAIC05435-E	The specified external volume (port ID = "*PortID*", external WWN = "*ExternalWWN*", external LUN = "*ExternalLun*") is already mapped as an internal parity group.	After checking the specified external volume, resolve the cause of the error, and then refresh the external and internal storage systems.
KAIC05500-E	There is no response from the device at IP address "*IP-address*".	If the IP address of the storage system is correct, there is a network connection error, or an SNMP configuration error in the device. Contact the Support Center.
KAIC05501-E	Host Data Collector does not support the target host. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Check whether Host Data Collector supports the host OS.
KAIC05502-E	Communication with the target host failed. Revise the system configuration, and then try again. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	If multiple instances of Device Manager are managing the target host, change the settings so that only one instance of Device Manager manages the host. If this error occurs again, to determine the cause and resolve the problem, detailed investigation is required. Contact the support center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05503-E	Failed to access the administrative share folder or the /tmp directory of the target host. Revise the access permissions, and then try again. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Check the access permissions for the following folder or directory, and then try again: In Windows administrative share folder In UNIX `/tmp` directory If this error occurs again, to determine the cause and resolve the problem, detailed investigation is required. Contact the support center, who may ask you to collect troubleshooting information.
KAIC05504-E	Connection with the target host failed because its administrative share is disabled. Enable the administrative share of the target host, and then try again. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Enable the administrative share of the target host, and then try again.
KAIC05505-E	The OS of the target host is different than the specified OS. Check the OS of the target host, and then try again. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Check the OS of the target host, and then specify the correct OS.
KAIC05506-E	Host information configuration was not collected by Host Data Collector. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-*	Verify the following: • The specified login user on the host has permission to execute `sudo` commands. • The `sudoers` file for the host is properly defined. In addition, see the "*Hitachi Command Suite Administrator Guide*" and verify that the

Message ID	Message Text	Description
	number, class loader port = *Host-Data-Collector-class-loader-port-number*)	environment of the target host has been set correctly. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIC05507-E	Cannot obtain host configuration information because a host is being added or refreshed.(Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Wait a while, and then try again. If this problem continues, contact the Support Center.
KAIC05508-E	The expiration date of the certificate for the ESX/vCenter server has passed.	Check the expiration date of the certificate. If the expiration date has passed, use a new certificate that has not expired.
KAIC05509-E	Failed to verify the certificate for the ESX/vCenter server.	Check the following: • Make sure the certificate specified for the ESX/vCenter server is valid. • Make sure the HDC truststore contains the certificate for requesting the ESX/vCenter server. • Make sure the truststore exists in the correct location.
KAIC05510-E	Cannot obtain the host configuration because the Host Data Collector response is not valid. Check the condition and setting of the target host.(host name or IP address = *target host's name or IP address*, Host Data Collector IP address and port number = *Host Data Collector's IP address and port number*)	Verify whether Host Data Collector supports the host OS. If the OS is supported, check the host status, and then try again. If this problem continues, contact the Support Center.
KAIC05511-E	Host information configuration was not collected by Host Data Collector. Confirm the sudo command settings and authentication information. (Host Data Collector information: host	Confirm that: • The specified login user on the host has permission to execute `sudo` commands.

Message ID	Message Text	Description
	name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	• The `sudoers` file for the host is properly defined.
KAIC05512-E	An unknown error occurred during Host Data Collector processing.	Detailed investigation is required to determine the cause and resolve the problem. Contact Support Center, who may ask you to collect troubleshooting information.
KAIC05513-E	Host configuration information was not collected because the load on Host Data Collector is too high. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Wait a while, and then try again.
KAIC05514-E	Host configuration information was not collected because the version of the communicating Host Data Collector is older. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Upgrade Host Data Collector to the latest version.
KAIC05515-E	Host information configuration was not collected by Host Data Collector. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-*	Wait a while, and then try again.

Message ID	Message Text	Description
	Data-Collector-class-loader-port-number)	
KAIC05516-E	If you are using multiple instances of Host Data Collector and their versions are different, identify the most recent version that you are using and then upgrade all other versions to that most recent version. After that, restart the Device Manager server. If the instance versions are already the same, simply restart the Device Manager server. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Take action according to the message.
KAIC05517-E	Host configuration information was not collected because the virtualization server is not managed by the specified virtualization-server management program. (name or IP address of target host = *target-host-name-or-IP-address*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Revise the management configuration for virtualization servers.
KAIC05518-E	Host configuration information was not collected. (name or IP address of target host = *target-host-name-or-IP-address*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port =	Verify the following: • The target host IP address is correct. • The authentication information and user permissions are correct. • The firewall is set to allow communication between Host Data Collector and the target host.

Message ID	Message Text	Description
	Host-Data-Collector-class-loader-port-number)	• The target host can be accessed by using the specified protocol. • The target host has been started. • The OS of the target host is supported. In addition, verify that the environment of the target host has been set correctly, as described in the "*Hitachi Command Suite Administrator Guide*". If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIC05519-E	Host configuration information was not collected. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Restart Host Data Collector. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIC05520-E	The specified ISCSIName "*ISCSIName*" does not exist.	Refresh the storage system, and make sure the request is correct.
KAIC05521-E	The specified ISCSIName "*ISCSIName*" already exists.	Refresh the storage system, and make sure the request is correct.
KAIC05522-E	An attempt to execute a request has failed. Only some of the configuration changes may have been applied to the storage system.	Refresh the storage system, check the parameter for the specified iSCSI port, and then retry the operation. If this problem persists, contact the Support Center.
KAIC05523-E	The request was not completed within the time limit. Only some of the configuration changes may have been applied to the storage system.	Refresh the storage system, and then check the changed settings. Specify the parameters for settings that have not yet changed, and then retry the operation. If this problem persists, contact the Support Center.

Message ID	Message Text	Description
KAIC05524-E	Failed to verify the host name of the certificate for the ESX/ vCenter server.	Revise the Common Name or Subject Alternative Name of the certificate, and use a valid certificate.
KAIC05525-E	Execution of a file transferred by Host Data Collector failed. You do not have execution permission for the destination directory (/tmp), or a required OS package is not installed on the destination host.	If the `noexec` option is set in the file system attributes of the destination directory (`/tmp`), remove the `noexec` option. In addition, if a required OS package is not installed, install the package. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05527-E	An attempt to create an external array group has failed because the combination of the specified port "*port-name*" and external storage system port (WWN = "*WWN*") or fibre channel connection is invalid. Revise the specifications for the port and external storage system and the condition of the fibre channel, and then try again.	Confirm the specified combination and fibre channel connection. If this problem continues to occur, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05528-E	An attempt to create an external array group has failed because the combination of the specified port "*port-name*" and external storage system volume (LUN = "*LUN*") is invalid.	Revise the specifications for the port and external storage system volume.
KAIC05530-E	Communication with the target host failed. (name or IP address of target host = *target-host-name-or-IP-address*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Verify the following: • The IP address of the target host is correct. • The authentication information and user permissions are correct. • The firewall is set to allow communication between Host Data Collector and the target host. • The target host can be accessed by using the specified protocol. • The target host has been started.

Message ID	Message Text	Description
		• The OS of the target host is supported. • The security settings between Host Data Collector and virtualization server is correct. • On Windows, SMB 1.0 has been enabled. In addition, see the "*Hitachi Command Suite Administrator Guide*" and verify that the environment of the target host has been set correctly. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIC05531-E	Authentication on the target host failed. (name or IP address of target host = *target-host-name-or-IP-address*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Verify the following: • The authentication information and user permissions are correct. • Lockdown mode is not activated. • The specified login user on the host has permission to execute `sudo` commands. • The `sudoers` file for the host is properly defined.
KAIC05532-E	Information about virtual machines that NPIV WWNs are allocated to, which is required for the creation of NPIV WWN mapping information, could not be collected. (virtual machine names = *virtual machine names*)	If NPIV WWNs are allocated to virtual machines, check the operation status of VMware Tools on those virtual machines.
KAIC05533-E	Collection of host information timed out. (name or IP address of target host = *target-host-name-or-IP-address*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port =	Wait a while, and then try again. If this problem persists, increase the timeout value for Device Manager.

Message ID	Message Text	Description
	Host-Data-Collector-class-loader-port-number)	
KAIC05534-E	SSL communication with the Host Data Collector failed.	Verify the following: • The certificate is valid. • The certificate was properly imported. • The path of the certificate import file is correct. • The cipher suites used by Host Data Collector are properly configured.
KAIC05535-E	Cannot connect to Host Data Collector. Check that IP address, port number, firewall configuration, and service status relating to the Host Data Collector are correct. (Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Check the following: • The IP address and port number for Host Data Collector are correct. • The host name of the Host Data Collector computer can be correctly resolved. • The firewall is configured so that Device Manager can communicate with Host Data Collector. • Host Data Collector is running. • Host Data Collector is installed in a supported OS. • The version of Host Data Collector is the same as or later than the version of Device Manager. • If the Host Data Collector server has multiple IP addresses, check that the property hdc.service.rmi.registryIPAddress is set to an IP address that is used for communication.
KAIC05536-E	Host Data Collector already collects information about the virtualization server managed at the specified destination. (destination IP address = *destination-IP-address*, virtualization server name = *virtualization-server-name*) To refresh the information, specify the Host Data Collector, and then retry the operation.	To refresh the information, specify Host Data Collector, and then retry the operation.
KAIC05537-E	Virtual machine configuration information could not be	If the virtual machine is currently being created or modified, wait

Message ID	Message Text	Description
	collected. (virtual machine name = *virtual-machine-names*) If the virtual machine is currently being created or modified, wait for the operation to finish, and then try again to collect the configuration information. If you cannot access the disk the virtual machine files are stored on, restore the disk.	for the operation to finish, and then try again to collect the configuration information. If you cannot access the disk the virtual machine files are stored on, restore the disk.
KAIC05538-E	Communication with Host Data Collector failed. Make sure the IP address, port number, firewall configuration, and service status for Host Data Collector are correct. If the IP address of Host Data Collector was changed, add the virtualization-server management program again. If this problem persists, check the Device Manager server manual, and then take the appropriate action. (Host Data Collector information: host name or IP address = *Host name or IP address of Host Data Collector,*, RMI registry port = *RMI registry port number for Host Data Collector,*, RMI server port = *RMI server port number for Host Data Collector,*, class loader port = *Class loader port number for Host Data Collector*)	Check the following: • Make sure the IP address and port number for Host Data Collector are correct. • Make sure the host name of the Host Data Collector host can be correctly resolved. • Make sure the firewall is configured to allow communication between Device Manager and Host Data Collector. • Make sure Host Data Collector is running. • Make sure the OS on which Host Data Collector is installed is supported. • Make sure the version of Host Data Collector is the same as or later than that of Device Manager. • If the Host Data Collector server has multiple IP addresses, make sure the property hdc.service.rmi.registryIPAddress is set to the IP address that is used for communication.
KAIC05539-E	The specified virtualization-server management program was not found in the Device Manager database. (IP address = "*IP address of the virtualization-server management program*")	Check and, if necessary, revise the request, and then try again.
KAIC05540-E	An attempt to update the specified virtualization-server management program (IP address = *IP address of the virtualization-server management program*) failed, because the program was changed to virtualization server. Delete all instances of the virtualization	Delete all instances of the virtualization servers on the virtualization-server management program from Device Manager.

Message ID	Message Text	Description
	servers on the virtualization-server management program from Device Manager.	
KAIC05541-E	Communication with the target virtualization-server management program failed. If the IP address or authentication information of the virtualization-server management program was changed, add the program again. If this problem persists, check the Device Manager server manual, and then take the appropriate action. (host name or IP address of the target virtualization-server management program = *Host name or IP address of the target virtualization-server management program,*, Host Data Collector information: host name or IP address = *Host name or IP address of Host Data Collector,*, RMI registry port = *RMI registry port number for Host Data Collector,*, RMI server port = *RMI server port number for Host Data Collector,*, class loader port = *Class loader port number for Host Data Collector*)	Check the following: • Make sure the IP address of the target virtualization-server management program is correct. • Make sure the authentication information and user permissions are correct. • Make sure the firewall is configured to allow communication between Host Data Collector and the target virtualization-server management program. • Make sure the target virtualization-server management program can be accessed by using the specified protocol. • Make sure the target virtualization-server management program is running. • Make sure the OS on which the target virtualization-server management program is running is supported. • Make sure the security settings between Host Data Collector and the virtualization-server management program are correct. • If the target virtualization-server management program is running in Windows, make sure SMB 1.0 is enabled. In addition, check the Hitachi Command Suite Configuration Reference Guide and make sure the environment of the target virtualization-server management program is configured correctly. If this problem persists, detailed investigation is necessary to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05542-E	Authentication by the target virtualization-server management program failed. If the IP address or authentication information of the virtualization-server management program was changed, add the program again. If this problem persists, check the Device Manager server manual, and then take the appropriate action. (host name or IP address of the target virtualization-server management program = *Host name or IP address of the target virtualization-server management program,*, Host Data Collector information: host name or IP address = *Host name or IP address of Host Data Collector,*, RMI registry port = *RMI registry port number for Host Data Collector,*, RMI server port = *RMI server port number for Host Data Collector,*, class loader port = *Class loader port number for Host Data Collector*)	Check the following: • Make sure the authentication information and user permissions are correct. • Make sure lockdown mode is not activated. • Make sure the login user for the virtualization-server management program has permission to execute `sudo` commands. • Make sure the `sudoers` file for the virtualization-server management program is correctly defined.
KAIC05543-E	Failed to collect information for the target virtualization-server management program. If the IP address or authentication information of the virtualization-server management program was changed, add the program again. If this problem persists, check the Device Manager server manual, and then take the appropriate action. (host name or IP address of the target virtualization-server management program = *Host name or IP address of the target virtualization-server management program,*, Host Data Collector information: host name or IP address = *Host name or IP address of Host Data Collector,*, RMI registry port = *RMI registry port number for Host Data Collector,*, RMI server port = *RMI server port number for Host Data Collector,*, class loader port = *Class loader port number for Host Data Collector*)	Check the following: • Make sure the IP address of the target virtualization-server management program is correct. • Make sure the authentication information and user permissions are correct. • Make sure the firewall is configured to allow communication between Host Data Collector and the target virtualization-server management program. • Make sure the target virtualization-server management program can be accessed by using the specified protocol. • Make sure the target virtualization-server management program is running. • Make sure the OS on which the target virtualization-server management program is running is supported.

Message ID	Message Text	Description
		In addition, check the Hitachi Command Suite Configuration Reference Guide and make sure the environment of the target host is configured correctly. If this problem persists, detailed investigation is necessary to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIC05544-E	Collection of host information timed out. If the timeout value for Device Manager has changed, add the virtualization-server management program again. If this problem persists, check the Device Manager Server manual to resolve the problem. (IP address of target host = *IP-address-of-target-virtualization-server management-program*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port = *Host-Data-Collector-class-loader-port-number*)	Wait a while, and then try again. If this problem persists, increase the timeout value for Device Manager.
KAIC05600-E	An unspecified transport error was encountered.	Contact the Support Center.
KAIC05601-E	An RMI connection could not be established using the IP address *IP-address*. Check the specified type and IP address, as well as the network status.	Make sure that the correct storage system type and IP address have been specified. Also, check the settings for the Device Manager and storage system communication ports. Restart Device Manager server if you have not done so since changing the storage system microcode version. If there is no problem with the specifications or settings and restarting Device Manager server does not solve the problem, there is a hardware problem with the network or the storage system.
KAIC05602-E	Communication with the RMI server failed. Make sure the specified IP address or port number are correct, and then	Make sure the specified IP address or port number is correct. In addition, see the "Hitachi Command Suite

Message ID	Message Text	Description
	check the network connection. (IP address = *IP address*, Port number = *port number*)	Administrator Guide" and make sure that the RMI communication environment is configured correctly. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIC05603-E	The specified storage system is not registered on the storage management server. (IP address = *IP address*, serial number = *serial number*)	Register the storage system on the storage management server.
KAIC05607-E	The storage system at "*IP-address*" is currently locked by another user, or is undergoing reconfiguration.	The storage system is locked by another management application. Wait a while, and then retry. If no management applications for the storage system are being locked, forcibly unlock the storage system by using Storage Navigator or a maintenance utility. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05608-E	The operation cannot be performed on the specified storage system because an attempt to link with Storage Navigator Modular 2 failed. (The cause of the failure is as follows: Storage Navigator Modular 2 might have been uninstalled while Device Manager was running.) Restart the Device Manager server. After you restart the Device Manager server, the link between Device Manager and Storage Navigator Modular 2 will automatically be canceled.	Restart the Device Manager server. After you restart the Device Manager server, the link between Device Manager and Storage Navigator Modular 2 will automatically be canceled. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC05609-E	A RMI Session problem occurred at "*IP-address*".	This indicates a network or storage problem.
KAIC05610-E	Unable to communicate with the Storage Navigator or Remote Web Console.(URL = "*Access URL*")	Revise the permissions of the user accounts for Storage Navigator or Remote Web Console that were specified when a storage system was added. If the problem persists, to

Message ID	Message Text	Description
		determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05611-E	An attempt to acquire system task information from the Storage Navigator or Remote Web Console has failed. (URL:"*Access URL*", HTTP response code = "*HTTP response code*")	If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05612-E	An attempt to acquire system task information from the Storage Navigator or Remote Web Console has failed. (URL:"*Access URL*", status = "*EchoCommandStatus*", result="*EchoCommandResult*")	If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05613-E	An attempt to offset the time failed.(storage system name = "*Storage system-name*")	Refresh the storage system. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05670-E	Cannot perform this operation, another function unsupported by Device Manager is using the specified resource. (function = *function*, resource type = *resource-type*, resource ID = *resource-ID*)	Remove the resource from the function displayed in the message, revise the specified resource, and then retry the operation.
KAIC05671-E	The operation is not possible because the specified resource belongs to a resource group used for data migration that uses virtual IDs. (resource type = *resource-type*, resource ID = *resource-ID*)	Revise the specified resource, or remove the resource from the resource group, and then try again.
KAIC05672-E	The operation is not possible because the specified resource belongs to a resource group used for data migration that uses virtual IDs, and the resource group has volumes in the process of data migration that uses virtual IDs. (resource type = *resource-type*, resource ID = *resource-ID*)	Revise the specified resource, or finish the data migration, and then try again.

Message ID	Message Text	Description
KAIC05673-E	The operation is not possible because the specified volume "*device-number*" is in the process of data migration that uses virtual IDs.	Revise the specified volume, or finish the data migration, and then try again.
KAIC05674-E	The operation is not possible because the specified parity group "*parity-group-number*" is mapped to data migration that uses virtual IDs.	Revise the specified parity group, and then try again.
KAIC05675-E	The operation with the specified pool is not possible because a volume (devNum = "*device-number*") that belongs to a resource group used for data migration that uses virtual IDs, is used as a pool volume.	Revise the specified pool, or remove the pool volume from the resource group, and then try again.
KAIC05676-E	The operation with the specified journal group is not possible because a volume (devNum = "*device-number*") that belongs to a resource group used for data migration that uses virtual IDs, is used as a journal volume.	Revise the specified journal group, or remove the journal volume from the resource group, and then try again.
KAIC05677-E	The operation is not possible because a resource group (*resource group ID*) used for data migration that uses virtual IDs contains volumes in the process of data migration.	Revise the specified resources or finish the data migration that uses virtual IDs, and then try again.
KAIC05678-E	The specified volume (device number=*Device number*) cannot be moved to another virtual storage machine because the volume is a pair volumes of *PP name (Global Active-Device)*.	Revise the specified volume or delete the pair, and then try again.
KAIC05679-E	The operation is not possible because the specified volume "*device-number*" is in the process of data migration that uses virtual IDs. The data migration might already be finished, or the specified volume might be incorrect. Revise the specified volume, and then try again.	Revise the specified volume, and then try again.
KAIC05700-E	Not enough free space exists.	Specify the size within the scope of free space available.
KAIC05701-E	An internal server error occurred. The HostStorageDomainID is invalid.	Contact the Support Center.

Message ID	Message Text	Description
KAIC05702-E	The specified port already has the maximum number of LUNs.	No more LUNs can be specified on this port, so select a different port to which to add LUNs.
KAIC05703-E	The HostStorageDomain specified already has the maximum number of LUNs.	No more LUNs can be specified on this HostStorageDomain. Select a different HostStorageDomain to which to add LUNs.
KAIC05704-E	The LDEV of is a *PP Name (VolumeMigration)* reserved volume; it cannot be used in a LUSE.	Perform a refresh on the storage system and check the request.
KAIC05705-E	The LU is an OnDemand device and cannot be used for an LUN.	Perform a refresh on the storage system and check the request.
KAIC05706-E	The specified LDEV does not exist.	Perform a refresh on the storage system to obtain the latest configuration information.
KAIC05707-E	The specified WWN does not exist.	Perform a refresh on the storage system to obtain the latest configuration information.
KAIC05708-E	The specified port already has the maximum number of WWNs.	Check the request.
KAIC05709-E	The specified HostStorageDomain already has the maximum number of WWNs.	Check the request.
KAIC05710-E	The specified WWN already exists.	Perform a refresh on the storage system to obtain the latest configuration information, and check the specified WWN.
KAIC05711-E	The control unit for devNum cannot be used.	An attempt to add a logical unit has failed. The cu number is not valid. Perform a refresh on the storage system to obtain the latest configuration information.
KAIC05712-E	LDEV cannot be created because the SSID is not set.	You need to set an appropriate SSID from SVP. Contact the storage system administrator, or call maintenance personnel.
KAIC05713-E	The specified capacity is invalid.	Specify a valid capacity, and then retry.
KAIC05714-E	The setting value of the security option of storage system has changed. A refresh of the storage system is recommended. Contact your system administrator if you are a local user.	The Device Manager Server may not contain the most current storage system information. Perform a refresh on the storage system.
KAIC05715-E	This API version does not support the LUN Management option.	Check this storage system's option list. Alternatively, check

Message ID	Message Text	Description
		the Device Manager Server XML API manual and make sure the running API version supports the command.
KAIC05716-E	The port must be Fibre Channel or FCoE.	Specify a Fibre Channel or FCoE port.
KAIC05717-E	The request cannot be processed because the security switch of the specified port is turned off.	Turn on the security switch of the port, and then retry.
KAIC05718-E	The host storage domain must be associated with a Fibre Channel or FCoE port.	Specify a host storage domain that belongs to a Fibre Channel or FCoE port.
KAIC05719-E	The request cannot be processed because the security switch of the port that the specified HostStorageDomain belongs to is turned off.	Turn on the security switch of the port that the specified HostStorageDomain belongs to, and then retry.
KAIC05720-E	The specified HostStorageDomain "*HSD-identifier*" already exists on the port "*port-identifier*".	Check the combination of the specified HostStorageDomain and port ID.
KAIC05721-E	The storage system information in Device Manager server is not the same as the information in the storage system. Refresh the storage system information. If you do not have the permissions required to refresh the information, ask the storage system administrator to do it for you.	Device Manager server might not be using the most up-to-date storage system information. Refresh the storage system information, and then retry the operation.
KAIC05722-E	This operation to the storage system has failed. Some of the operation may have been applied to the storage system. A refresh of the storage system is recommended. Contact your system administrator if you are a local user.	Perform a refresh on the storage system. If this problem persists, contact the Support Center.
KAIC05723-E	The LUN "*LUN-of-a-path*" was not found on the storage system.	Check the LUN.
KAIC05724-E	The SCSI ID "*SCSI-ID-of-a-path*" was not found on the storage system.	Check the SCSI ID.
KAIC05725-E	The LUN "*LUN-of-a-path*" is already used on the storage system.	Check the LUN.
KAIC05726-E	The port "*port-identifier*" was not found on the storage system.	Check the Port.

Message ID	Message Text	Description
KAIC05727-E	The HostStorageDomain "*HSD-identifier*" does not exist on the port "*port-identifier*".	Check the HostStorageDomain.
KAIC05728-E	PDEV #"*PDEV-ID*" is not a spare drive.	Check the PDEV.
KAIC05729-E	The specification of nickname "*nickname*" is invalid. The maximum length of the nickname is "*maximum-length-of-nickname*" bytes.	Check the specified nickname. Make sure that the nickname is correct, and then retry.
KAIC05730-E	An attempt to log in to the storage system has failed. Password authentication is required. Specify the user ID and password, and then try again.	Specify the user ID and password, and then try again. If this problem continues to occur, contact the Support Center.
KAIC05731-E	A LUSE Volume configuration is not supported when the devNum is specified with emulation type "*emulation-type*" and a capacity of "*capacity*KB". Specify the creation capacity within the range from "*min-ldev-size*KB" to "*max-ldev-size*KB".	Make sure that the capacity falls within the valid range for the emulation type.
KAIC05732-E	An attempt to change portRole has failed.	Confirm the state of the port, and then try again.
KAIC05735-E	An inconsistency was detected in the "*type of information*" information. Refreshing the storage system is recommended. If you are a local user, contact your system administrator.	The Device Manager Server might not contain the most current storage system information. Refresh the storage system, and then try again.
KAIC05736-E	An LU cannot be created. The number of LUs that can be created using the specified parameter is *maximum number of LUs*.	Make sure that there is sufficient free space at the target, or revise the LU capacity and count. For details, see the manual that corresponds to your storage system.
KAIC05737-E	An error occurred while deleting an LU. (successfully deleted device(s): *device number list*)	Revise the devNum (device number) value, and then try again.
KAIC05740-E	This operation cannot be performed because the storage system has not been refreshed.	Refresh the storage system. If this error continues, contact Support.
KAIC05741-E	The specified drive type (*Drive type*) and form factor (*Form factor*) combination is not valid.	Revise the drive type and form factor specifications.
KAIC05742-E	The Full Allocation attribute cannot be modified because the volume (LDEV ID = *LDEV ID (devNum)*) is being formatted.	Use a storage management tool to verify that the formatting has finished, and then try again.

Message ID	Message Text	Description
	Use a storage management tool to verify that the formatting has finished, and then try again.	
KAIC05743-E	The Full Allocation attribute cannot be modified because the volume (LDEV ID = *LDEV ID (devNum)*) is being blocked. Unblock the volume, and then try again.	Unblock the volume, and then try again.
KAIC05744-E	The Full Allocation attribute cannot be modified because the volume (LDEV ID = *LDEV ID (devNum)*) is being shredded. Use a storage management tool to verify that the shredding has finished, and then try again.	Use a storage management tool to verify that the shredding has finished, and then try again.
KAIC05745-E	The Full Allocation attribute cannot be modified because the pool (function = *PP Name*, pool ID = *poolid*) is shrinking. Use a storage management tool to verify that the shrinking has finished, and then try again.	Use a storage management tool to verify that the shrinking has finished, and then try again.
KAIC05746-E	The Full Allocation attribute cannot be modified because the pool (function = *PP Name*, pool ID = *poolid*) is blocked. Unblock the pool, and then try again.	Unblock the pool, and then try again.
KAIC05747-E	The specified request cannot be performed because the pool (function = *PP Name*, pool ID = *poolid*) does not have sufficient free space. Verify that the pool has enough free space, and then try again.	Verify that the pool has enough free space, and then try again.
KAIC05750-E	The devNum cannot be used.	Revise the specification for devNum of the LogicalUnit elements and then try again.
KAIC05751-E	The specified operation cannot be executed because the PDEV of the specified disk capacity "*disk-capacity*" is not supported.	Check and, if necessary, specify a different disk capacity, and then retry the operation.
KAIC05752-E	The specified drive type "*drive-type*" is invalid.	Check and, if necessary, specify a different drive type, and then retry the operation.
KAIC05753-E	An error was detected in the Device Manager agent. (details = *detailed-message*)	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05754-E	An error was detected in the Device Manager agent. (details = *detailed-message*)	Remove the cause of the error, and then refresh the storage system information. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05760-E	The specified CLPR "*CLPR-number*" does not exist in the storage system.	Revise the CLPR specification.
KAIC05761-E	The specified capacity is invalid.	Revise the LU or LDEV capacity specification.
KAIC05762-E	The specified device number "*device-number*" is not available.	Revise the device number specification.
KAIC05763-E	There are no SSIDs that Device Manager can assign for the LU to be created.	Revise the "`server.properties`" value, and then restart the services.
KAIC05764-E	The LUs cannot be created because their total capacity exceeds the free space in the array group.	Reduce the total capacity of the LUs to be created, and then retry the operation.
KAIC05765-E	The storage system managed by the partitioned storage administrator cannot execute the request.	Revise the storage system settings.
KAIC05766-E	There is no *PP Name (Dynamic Provisioning)* volume group which Device Manager can assign.	Reduce the LUs to be added, and then retry the operation.
KAIC05767-E	There is no CU which Device Manager can assign.	Create the volume to the existing CU.
KAIC05768-E	The pool threshold cannot be modified to the specified value "*threshold*" because it is less than or equal to the pool's usage rate "*pool's usage rate*".	Specify a value that is more than the pool's usage rate, and then retry the operation.
KAIC05769-E	Status in pool (function="*PP Name (Dynamic Provisioning)*" pool ID="*poolID*") is not "Normal", and threshold of pool cannot be modified.	Check the status of specified pool, and then retry the operation.
KAIC05770-E	This API cannot be executed because it has supported it since the microcode version 7.	Check the microcode version of the storage system.
KAIC05771-E	The retention term of the specified LDEV has not expired. The protection attributes of the	Check the specification of the LDEV.

Message ID	Message Text	Description
	specified LDEV cannot be changed.	
KAIC05772-E	Usage rate of pool (function="*PP Name (Dynamic Provisioning)*" pool ID="*poolID*") is more than 95%, and threshold of pool cannot be modified.	Check the usage rate of pool.
KAIC05773-E	The pool cannot be created because the maximum number of pools for "*PP Name (Quick Shadow)*" or "*PP Name (Dynamic Provisioning)*" have been created in the storage system.	Delete any unnecessary pool, and then retry the operation.
KAIC05774-E	Array groups cannot be added because the number of array groups for "*PP Name (Dynamic Provisioning)*", "*PP Name (Quick Shadow)*" and "*PP Name (Universal Volume Manager)*" will exceed the maximum number of array groups in storage system.	Delete any unnecessary array groups for "*PP Name (Dynamic Provisioning)*", "*PP Name (Quick Shadow)*" or "*PP Name (Universal Volume Manager)*", and then retry the operation.
KAIC05775-E	Execution of the request failed. For "*PP Name (Shadow Image)*", the pair status must be Simplex or Split. Check the latest pair status, and then retry the operation.	Check the latest pair status, and then retry the operation.
KAIC05776-E	Execution of the request failed. For "*PP Name (Shadow Image)*", the split operation must have finished. Confirm that the split operation has finished, and then retry the operation.	Confirm that the split operation has finished, and then retry the operation.
KAIC05779-E	An attempt to execute the request failed. The array groups of the source and target volumes do not match in the Device Manager database and the storage system.	Refresh the storage system, and make sure the request is correct.
KAIC05780-E	The specified storage system does not support the host mode "*name-of-host-mode*".	Revise the storage system specifications.
KAIC05781-E	The specified host mode "*name-of-host-mode*" cannot be specified for the microcode version of this storage system.	Check the microcode version of the storage system.
KAIC05782-E	The specified port does not support the channel speed "*channel-speed*".	Revise the storage system specifications.

Message ID	Message Text	Description
KAIC05783-E	The specified storage system does not support the host mode 2 "*name-of-host-mode-2*".	Revise the storage system specifications.
KAIC05784-E	The specified host mode 2 "*name-of-host-mode-2*" cannot be specified for the microcode version of this storage system.	Check the microcode version of the storage system.
KAIC05785-E	The specified storage system does not support the option "*name-of-port-option*".	Revise the storage system specifications.
KAIC05786-E	The specified port option "*name-of-port-option*" is not supported on the microcode version of this storage system.	Check the microcode version of the storage system.
KAIC05787-E	storage system information different from that of the actual machine is registered in Storage Navigator Modular 2. Use Storage Navigator Modular 2 to delete the following storage system information, and then retry the operation. (array name = *array-name-registered-in-Storage-Navigator-Modular-2*)	Use Storage Navigator Modular 2 to delete the storage system information, and then retry the operation.
KAIC05788-E	*PP-Name* functionality must be enabled on the storage system.	Enable *PP-Name* functionality on the storage system.
KAIC05789-E	The specified operation cannot be executed because the usage rate of the pool (poolID="*poolID*", usage= "*pool-usage-rate*") is the pool threshold (*attribute-name*="*attribute-value*") or more.	Revise the configuration so that the pool usage rate is less than the value of *attribute-name*, and then retry the operation.
KAIC05790-E	A pool/journal group cannot be created because the maximum number of *PP Name (Universal Replicator)* pools/journal groups has been created in the storage system.	Delete any unnecessary pools/ journal groups, and then try again.
KAIC05791-E	A journal group cannot be shrunk because its status is not "Initial" or "Stop".	Change the status of the pairs that use the journal group, and then retry the operation.
KAIC05792-E	A journal group cannot be expanded because its status is not "Initial", "Active", or "Stop".	Change the status of the pairs that use the journal group, and then retry the operation.
KAIC05793-E	The specified pool cannot be deleted because its used capacity is not 0GB.	Delete all pairs which use the specified pool.

Message ID	Message Text	Description
KAIC05794-E	The status of all pairs that use the specified pool must be "Simplex".	Change status of pairs which use the pool into "Simplex", and then retry.
KAIC05795-E	SnapShot or TrueCopy Extended Distance functionality must be enabled on the storage system.	Check and, if necessary, revise the storage system functionality.
KAIC05796-E	The LU "*device number*" cannot be used for a pool volume/journal volume because it is set for VMA.	Revise the LU specification, and then try again.
KAIC05798-E	The specified journal group cannot be deleted because its status is not the initial status.	Change the status of the journal group to the initial status, and then retry the operation.
KAIC05799-E	An internal server error occurred. An attempt to execute the transport service failed because the parameter "*parameter*" or "*parameter*" is missing.	Contact the Support Center.
KAIC05800-E	An internal error occurred during execution of the CIM function.	Contact the Support Center.
KAIC05802-E	The storage system returned an invalid response.	If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC05840-E	An internal error occurred. The iSCSI remote path could not be registered to the local storage system.	Make sure the specified parameters are correct. In addition, refer to the "Hitachi Command Suite Administrator Guide" for information about determining whether the RMI communication environment is configured correctly. If this problem persists, contact customer support, who may ask you to collect troubleshooting information.
KAIC05841-E	An internal error occurred. The iSCSI remote path that was registered to the local storage system could not be deleted.	If the problem persists, contact customer support, who may ask you to collect troubleshooting information.
KAIC05850-E	On the port "*port-name*", security is not set for the host storage domain "*host-storage-domain-name*" or the iSCSI initiator "*iscsi-initiator-name*".	Revise the specification.
KAIC05851-E	On the port "*port-name*", security has already been set for the host	Revise the specification.

Message ID	Message Text	Description
	storage domain "*host-storage-domain-name*" and the iSCSI initiator "*iscsi-initiator-name*".	
KAIC05852-E	For the specified port "*port-name*", the maximum number of iSCSI names "*maximum-number-of-iscsi-initiators*" has already been set or might be exceeded when the processing is executed.	Revise the specification.
KAIC05853-E	The specified nickname "*nickname*" is already being used for another iSCSI name on the same port "*port-name*".	Specify a nickname that is not being used by another iSCSI name on the same port, and then retry the operation.
KAIC05854-E	The specified iSCSI name "*iscsi-name*" is already being used by another host storage domain on the same port "*port-name*".	Specify an iSCSI name that is not being used by another host storage domain on the same port, and then retry the operation.
KAIC05855-E	The specified nickname "*nickname*" is already being used by another host storage domain on the same port "*port-name*".	Specify a nickname that is not being used by another host storage domain on the same port, and then retry the operation.
KAIC05856-E	The maximum number of host storage domains "*maximum-number-of-iscsi-targets*" for the port "*port-name*" cannot be exceeded.	Revise the specification so the maximum number of host storage domains is not exceeded.
KAIC05857-E	The specified iSCSI name "*nickname*" is invalid. The maximum length of the iSCSI name is *maximum-length-of-nickname* bytes.	Revise the specified iSCSI name, and then retry the operation.
KAIC05858-E	The specified iSCSI name "*iscsi-name*" is invalid. Specify the iSCSI name by using the iqn format or the eui format.	Revise the specified iSCSI name, and then retry the operation.
KAIC05859-E	Different nickname "*iscsi-nickname1*" and "*iscsi-nickname2*" are specified for iSCSI name "*iscsi-name*" on same port "*port-name*".	Revise the specified iSCSI name, and then retry the operation.
KAIC05860-E	An error occurred during access to an SMI-S Enabled storage system. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled storage system might be invalid. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*",	Check, and if necessary, revise the specified parameters. In addition, make sure the status of the SMI-S provider and the SMI-S Enabled storage system are correct. If this problem persists, contact the SMI-S provider administrator.

Message ID	Message Text	Description
	detailed information = "*detailed-information*")	
KAIC05861-E	An attempt to access the SMI-S Enabled provider has failed. Make sure the following parameters are correct: SMI-S provider IP address, port number, protocol, user ID and password. (WBEM error code = "*WBEM-error- code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*")	Make sure the following parameters are correct, and the try again: SMI-S provider IP address, port number, protocol, user ID and password.
KAIC05862-E	The environment for the SMI-S Enabled storage system is invalid. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05863-E	An internal error occurred during access to an SMI-S Enabled storage system. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05864-E	An unexpected error occurred during access to an SMI-S Enabled storage system. (WBEM error code = *WBEM-error-code*, WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05865-E	An internal error occurred during access to an SMI-S Enabled storage system. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*")	Contact the SMI-S provider administrator.
KAIC05866-E	An unexpected error occurred during access to an SMI-S Enabled storage system. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*")	Contact the Support Center.

Message ID	Message Text	Description
KAIC05867-E	Communication between the SMI-S provider and SMI-S Enabled storage system timed out. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*")	Contact the SMI-S provider administrator.
KAIC05868-E	Execution of the access method of the SMI-S Enabled storage system failed. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*")	Contact the SMI-S provider administrator.
KAIC05869-E	A parameter required for accessing an SMI-S Enabled storage system is invalid. (CIM method name = "*CIM-method name*")	Revise the parameter specification, and then try again.
KAIC05870-E	An invalid value was returned from an SMI-S provider. (CIM method name = "*CIM-method-name*", return value = "*value-returned-from-the-CIM-method*")	Contact the SMI-S provider administrator.
KAIC05871-E	The specified volume size is invalid. (CIM method name = "*CIM-method-name*")	Revise the volume size specification, and then try again.
KAIC05872-E	The specified LU ID (LUN) is invalid. (CIM method name = "*CIM-method-name*")	Revise the LU ID (LUN) specification, and then try again.
KAIC05873-E	The specified initiator port ID (WWN) is invalid. (CIM method name = "*CIM-method-name*")	Revise the initiator port ID (WWN) specification, and then try again.
KAIC05874-E	The specified target port ID (WWN) is invalid. (CIM method name = "*CIM-method-name*")	Revise the target port ID (WWN) specification, and then try again.
KAIC05875-E	The specified permission is invalid. (CIM method name = "*CIM-method-name*")	Revise the permission specification, and then try again.
KAIC05876-E	The specified initiator port and target port combination is already exists. (CIM method name = "*CIM-method-name*")	Revise the initiator port and target port combination, and then try again.
KAIC05877-E	The specified LUN is already in use. (CIM method name = "*CIM-method-name*")	Revise the LUN specification, and then try again.
KAIC05878-E	An internal error occurred in an SMI-S Enabled storage system. (CIM method name = "*CIM-method-name*", return value =	Contact the SMI-S provider administrator.

Message ID	Message Text	Description
	"*value-returned-from-the-CIM-method*")	
KAIC05879-E	An error occurred during access to an SMI-S Enabled storage system. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled storage system might be invalid. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", detailed information = "*detailed-information*")	Check, and if necessary, revise the specified parameters. In addition, make sure the status of the SMI-S provider and the SMI-S Enabled storage system are correct. If this problem persists, contact the SMI-S provider administrator.
KAIC05880-E	An attempt to access an SMI-S provider has failed. Check the following parameters: SMI-S provider IP address, port number, user ID, and password. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*")	Check the following parameters, and the try the operation again: SMI-S provider IP address, port number, user ID, and password.
KAIC05881-E	The environment for the SMI-S Enabled storage system is invalid. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05882-E	An internal error occurred during access to an SMI-S Enabled storage system. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05883-E	An unexpected error occurred during access to an SMI-S Enabled storage system. (WBEM error code="*WBEM-error-code*", WBEM method name="*WBEM-method-name*", detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05884-E	A job for an SMI-S Enabled storage system has failed. (job status = "*job-status*", detailed code = "*detailed-code*", detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05885-E	An error occurred during access to an SMI-S Enabled storage	Check, and if necessary, revise the specified parameters. In

Message ID	Message Text	Description
	system. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled storage system might be invalid. (WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*")	addition, make sure the status of the SMI-S provider and the SMI-S Enabled storage system are correct. If this problem persists, contact the SMI-S provider administrator.
KAIC05886-E	The SMI-S Enabled storage system being managed by the specified SMI-S provider is already managed by another SMI-S provider.	Specify settings such that multiple SMI-S providers do not manage the same SMI-S Enabled storage system.
KAIC05887-E	An error occurred during access to an SMI-S Enabled storage system. A specified parameter or the status of the SMI-S provider or the SMI-S Enabled storage system might be invalid. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", storage system name = "*storage-system-name*")	Check, and if necessary, revise the specified parameters. In addition, make sure the status of the SMI-S provider and the SMI-S Enabled storage system are correct. If this problem persists, contact the SMI-S provider administrator.
KAIC05888-E	An attempt to access the SMI-S Enabled provider has failed. Make sure the following parameters are correct: SMI-S provider IP address, port number, user ID and password. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", storage system name = "*storage-system-name*")	Make sure the following parameters are correct, and the try again: SMI-S provider IP address, port number, user ID and password.
KAIC05889-E	The environment for the SMI-S Enabled storage system is invalid. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", storage system name = "*storage-system-name*")	Contact the Support Center.
KAIC05890-E	An internal error occurred during access to an SMI-S Enabled storage system. (WBEM error code = "*WBEM-error-code*", WBEM method name = "*WBEM-method-name*", CIM class name	Contact the Support Center.

Message ID	Message Text	Description
	= "*target-CIM-class-name*", detailed information = "*detailed-information*", storage system name = "*storage-system-name*")	
KAIC05891-E	An unexpected error occurred during access to an SMI-S Enabled storage system. (WBEM error code = *WBEM-error-code*, WBEM method name = "*WBEM-method-name*", CIM class name = "*target-CIM-class-name*", detailed information = "*detailed-information*", storage system name = "*storage-system-name*")	Contact the Support Center.
KAIC05900-E	The option of the specified journal group cannot be modified.	Check and, if necessary, revise the journal group type.
KAIC05902-E	"Inflow Control" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05903-E	"Inflow Control" cannot be modified because the specified journal group is a restore journal group.	Check and, if necessary, revise the journal group type.
KAIC05904-E	A pool volume cannot be added because the status of the pool whose function is "*PP Name (QuickShadow)*" and whose pool ID is "*poolID*" is blocked unless the usage rate is 100%.	Recover from the pool blocked status, and then retry the operation.
KAIC05905-E	"Data Overflow Watch" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05906-E	"Data Overflow Watch" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05907-E	"Path Watch Time" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05908-E	"Path Watch Time" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.

Message ID	Message Text	Description
KAIC05909-E	"Path Watch Time" cannot be modified because the specified journal group is a restore journal group.	Check and, if necessary, revise the journal group type.
KAIC05910-E	"Forward Path Watch Time" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05911-E	"Forward Path Watch Time" cannot be modified because the specified journal group is a restore journal group.	Check and, if necessary, revise the journal group type.
KAIC05912-E	"Use of Cache" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05913-E	"Use of Cache" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05914-E	"Speed of Line" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05915-E	"Speed of Line" cannot be modified because the specified journal group is a restore journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05916-E	"Delta resync Failure" cannot be modified because the specified journal group is a master journal group and has a mirror whose status is "*status*".	Check and, if necessary, revise the journal group type and the mirror status.
KAIC05917-E	"Delta resync Failure" cannot be modified because the specified journal group is a restore journal group.	Check and, if necessary, revise the journal group type.
KAIC05918-E	A pool volume cannot be added because the status of the pool whose function is "*PP Name (Dynamic Provisioning)*" and whose pool ID is "*poolID*" is blocked.	Recover from the pool blocked status, and then retry the operation.

Message ID	Message Text	Description
KAIC05919-E	Virtual volumes for "*PP Name (Quick Shadow)*" virtual volumes cannot be created because the number of virtual volumes for "*PP Name (Quick Shadow)*" has already reached the maximum allowed.	Revise the settings.
KAIC05920-E	The specified virtual volume cannot be deleted or released from the pool because internal processing is being performed in the storage system. Wait a while, and then delete or release the volume. (target="*device-number-list*")	Wait a while, and then delete or release the volume.
KAIC05921-E	The over provisioning threshold of the DP pool(poolID="*poolID*") to which the DM-LU is equal to or more than the limit. Please add DP pool capacity and then try again.	Revise the specification, and then try again.
KAIC05922-E	The capacity of DP pool(poolID="*poolID*") to which the DM-LU belongs is insufficient. Please add DP pool capacity and then try again.	Revise the specification, and then try again.
KAIC05923-E	The specified pool name (*pool-name*) is in use by another pool (pool ID = *pool-ID*) in the storage system. Use Element Manager to check the pool names being used by the storage system, specify a different pool name, and then retry the operation. Refresh the pool names, as necessary.	Use Element Manager to check the pool names being used by the storage system, specify a different pool name, and then retry the operation. Refresh the pool names, as necessary.
KAIC05924-E	Application of a label to the storage system failed. Retry the operation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	Retry the operation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05925-E	Application of a pool name to the storage system failed. Retry the operation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	Retry the operation. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05927-E	Device Manager could not open the window, because the settings in [Enable Login Authentication] for the SVP are incorrect. Check and, if necessary, revise the SSL and firewall settings of the SVP and Device Manager server and the network settings between the SVP and Device Manager server, execute [Edit Storage System] for the relevant storage system, and then confirm that the [Enable Login Authentication] settings were applied successfully. After that, try again.	Check and, if necessary, revise the items below, execute [Edit Storage System], and then confirm that the [Enable Login Authentication] settings were applied successfully. After that, try again. • The SSL settings of the SVP and Device Manager server • The firewall settings of the SVP and Device Manager server • The network settings between the SVP and Device Manager server If you cannot resolve the problem, collect maintenance information, and then contact customer support.
KAIC05930-E	Communication with Storage Navigator failed. (URL = *URL*)	Check the status of the network and the storage system. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC05931-E	An attempt to link with Storage Navigator failed. (URL = *URL*, HTTP response code = *HTTP response cord*)	If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC05932-E	An attempt to link with Storage Navigator failed. (URL = *URL*, HTTP response code = *Status*)	If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC05933-E	Authentication processing on Storage Navigator failed. (URL = *URL*, status code = *Status code*)	The following are possible causes of the problem: • The number of logins exceeded the maximum. • There is not enough free memory. • A request was made while the system was preparing. Wait a while and then try again.

Message ID	Message Text	Description
		If the problem persists, contact your system administrator.
KAIC05934-E	A test communication with the external authentication server failed. (URL = *URL*, status code = *Status code*)	Check the following settings in the Device Manager server and the external authentication server: • SSL settings • Firewall settings • Port settings In addition, check the following concerning certificates: • If a KeyPair was created using the `hikeytool` command, verify that the certificate of the Device Manager server was imported to SVP. • Verify that the default certificate for the Device Manager server was not imported to SVP. • Verify that SVP can resolve the common name of the certificate to an IP address, and that the IP address designates the Device Manager server. If necessary, revise the settings, and then try again. If the problem persists, contact your system administrator.
KAIC05941-E	Data collected from Tuning Manager contains unsupported information. Check Tuning Manager agent data model version. (Agent:*Tuning Manager host*, Data model version:*Message*)	Upgrade Tuning Manager agent to the latest version.
KAIC05942-E	Could not collect storage system performance data from Tuning Manager. There is no configuration data in database. Refresh the storage system information for Replication analysis. (Storage system name:*Storage system name*)	Refresh the storage system information for Replication analysis.
KAIC05943-E	Initialization for collecting data from Replication Manager failed. An unexpected error occurred. (The config file "*config file name*")	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC05944-E	A connection error occurred during data collection from Replication Manager.(port number = "*port-number*")	Specify "`true`" for the Replication Manager's property "`base.rmi.enabled`" in the "`base.properties`" file. When the property is true, confirm status of Replication Manager and network setting.
KAIC05945-E	Unexpected error occurred during data collection from Replication Manager.(port number = "*host-name*")	Confirm status of Replication Manager and Replication Manager log.
KAIC05946-E	Could not collect storage system performance data from Tuning Manager. There is no configuration data in database. Refresh the copy group information for Replication analysis. (Storage system name:*Storage system name*)	Refresh the copy group information for Replication analysis.
KAIC05947-E	The configuration information stored by Replication Manager might not be the latest (which is required for refresh performance data).	First refresh the configuration from Replication Manager. Then execute Refresh Performance data with the Also refresh copy group configuration check box selected.
KAIC05948-E	Data collected from Performance Advisor contains unsupported information. Check Performance Advisor version. (Version:*Performance Advisor version*)	Upgrade Performance Advisor to the latest version.
KAIC05949-E	Could not collect storage system performance data from Performance Advisor. There is no configuration data in database. Refresh the storage system information for Replication analysis. (Storage system name:*Storage system name*)	Refresh the storage system information for Replication analysis.
KAIC05950-E	Could not collect storage system performance data from Performance Advisor. There is no configuration data in database. Refresh the copy group information for Replication analysis. (Storage system name:*Storage system name*)	Refresh the copy group information for Replication analysis.
KAIC05951-E	Unable to collect Performance Advisor data. (Details:*error-details*)	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask

Message ID	Message Text	Description
		you to collect troubleshooting information.
KAIC05952-E	Unable to collect Performance Advisor data. (record names:*record-names*)	Verify the Performance Advisor agent status.
KAIC05953-E	An error occurred by initialization of the Performance Advisor connection.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05954-E	Unable to collect Performance Advisor data. Another process is collecting data. Wait a few minutes and try again.	Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.
KAIC05955-E	Unable to collect Performance Advisor data.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05956-E	A copy pair cannot be created because an error occurred in Replication Manager. (details = *error-details*)	Refer to the details to remove the cause of the error, and then try again.
KAIC05957-E	A copy pair cannot be deleted because an error occurred in Replication Manager. (details = *error-details*)	Refer to the details to remove the cause of the error, and then try again.
KAIC05958-E	A volume cannot be created because an error occurred in Replication Manager. (details = *error-details*)	Refer to the details to remove the cause of the error, and then try again.
KAIC05959-E	A volume cannot be deleted because an error occurred in Replication Manager. (details = *error-details*)	Refer to the details to remove the cause of the error, and then try again.
KAIC05960-E	A volume cannot be allocated because an error occurred in Replication Manager. (details = *error-details*)	Refer to the details to remove the cause of the error, and then try again.
KAIC05961-E	A volume cannot be unallocated because an error occurred in Replication Manager. (details = *error-details*)	Refer to the details to remove the cause of the error, and then try again.
KAIC05962-E	The configuration could not be refreshed because an error occurred in Replication Manager. (details = *error-details*)	Refer to the details in the message, remove the cause of the problem, and then try again.

Message ID	Message Text	Description
KAIC05963-E	An error occurred in Replication Manager. The *global-active device* volume cannot be configured. Delete the created volume in the Resource tab, and then re-create the copy topology. (details = *error-details*)	Delete the created volume in the Resource tab, and then re-create the copy topology.
KAIC05990-E	An internal error occurred. (detailed information = "*detailed-information*")	Contact the Support Center.
KAIC05991-E	An attempt to create a volume has failed. Check whether a required license for the SMI-S Enabled storage system is missing or whether a hardware error has occurred.	If this problem occurs again, contact the SMI-S provider administrator.
KAIC05992-E	The request was not completed within the time limit. Only part of the changes made to the configuration might have been applied to the SMI-S Enabled storage system.	Refresh the SMI-S Enabled storage system, and then check the changed settings. If this problem occurs again, contact the SMI-S provider administrator.
KAIC05993-E	No response has been sent from the connection destination (*IP-address*). A connection might not be possible at the moment. Wait a while, and then retry the operation. If this problem continues, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	A connection might not be possible at the moment. Wait a while, and then retry the operation. If this problem continues, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC05994-E	An error occurred while accessing the virtualization-server management program or virtualization server. This might be because a specified parameter is invalid, or the virtualization-server management program or virtualization server is not in a normal status.	Revise the parameters settings, check the status of the virtualization-server management program and virtualization server, and then try again. If this problem persists, contact the Support Center.
KAIC05999-E	The virtualization servers managed by the specified connection destination are already managed by another virtualization-server management program. The virtualization-server management configuration might have been changed.	Revise the virtualization-server management configuration.

Message ID	Message Text	Description
KAIC06000-E	An unspecified storage system error was encountered.	Contact the Support Center.
KAIC06002-E	An unspecified error occurred while executing SNMP command.	Contact the Support Center.
KAIC06003-E	An attempt to create the SNMP session on the device at IP Address "*IP-address or host-name*" has failed.	An internal server error was encountered due to a failure in the SNMP library. Contact the Support Center.
KAIC06004-E	Error retrieving oid "*oid*" due to a null oid table.	An internal server error was encountered due to a failure in the SNMP library. Contact the Support Center.
KAIC06005-E	An attempt to retrieve the object ID "*oid*" has failed.	An error occurred while accessing the device via SNMP. This indicates a network connection or SNMP configuration error on the device.
KAIC06006-E	A null value for object ID "*oid*" was retrieved via SNMP.	An error occurred while accessing the device via SNMP. This indicates a network connection or SNMP configuration error on the device.
KAIC06007-E	An SNMP error of status "*status*" occurred while waiting for the command "*command*" to complete.	An error occurred while accessing the device via SNMP. This indicates a network connection or SNMP configuration error on the device.
KAIC06008-E	Communication timed out waiting for a response from the array. Check the network connection.	An error occurred while accessing the device via SNMP. This indicates a network connection or SNMP configuration error on the device.
KAIC06009-E	The SNMP set request has failed to execute the command "*command*". Error status = "*error-status*", index = "*index*".	An error occurred while accessing the device via SNMP. This indicates a network connection or SNMP configuration error on the device.
KAIC06010-E	An invalid command status trap was detected.	An internal server error was encountered in the command trap specification. Contact the Support Center.
KAIC06011-E	SNMP authentication has failed for the device at IP Address "*IP-address*".	The Device Manager Server must have read/write permission to perform management functions on the storage system. Check the SNMP community string and make sure that the read/write permissions are correct.

Message ID	Message Text	Description
KAIC06012-E	The storage system cannot be accessed. An operation is in progress at the SVP.	An attempt to access the storage system failed as the SVP is currently in "Modify" mode. Device Manager Server must have exclusive access to the device to perform management functions.
KAIC06013-E	The device at IP Address "*IP-address*" was not identified as a family storage system. Check the IP address and SNMP agent configuration.	Check the IP address and SNMP agent connection.
KAIC06015-E	The specified quorum disk cannot be deleted, because it is being used in a pair.	Release the pair, and then try the operation again.
KAIC06100-E	The SNMP command has failed (command status = "*command-status*", meaning = "*meaning*"). Only part of the configuration change may have been applied. Refresh the storage system. If you are a local user, contact the system administrator.	Refer to the applicable storage system messages and recommended actions in this manual. Follow the recommended actions.
KAIC06101-E	The SNMP command has failed. Information is not available. A refresh of the storage system is recommended. Contact your system administrator if you are a local user.	Perform a refresh on the storage system, and then retry.
KAIC06200-E	The storage system serial number is invalid.	Contact the Support Center.
KAIC06299-E	An error occurred during processing on the storage system (DampErrorCode = "*error-code-of-DAMP*", TransErrorCode = "*error-code-of-DampTrans*", message = "*error-message*"). If the configuration was being changed, refresh the storage system. If you are a local user, contact the system administrator.	Refer to the applicable storage system messages and recommended actions in this manual. Follow the recommended actions.
KAIC06300-E	The command has failed on the storage system.	Contact the Support Center.
KAIC06301-E	The Target ID mode of the controller is not "M-TID, M-LUN (mapping mode)".	Device Manager only supports the Target ID mode "M-TID, M-LUN (mapping mode)". For details about the Target ID mode, see the Disk Array Management Program manual or Storage Navigator Modular manual.

Message ID	Message Text	Description
KAIC06302-E	An attempt to retrieve fibre channel port information for controller "*controller-ID*" has failed.	Contact the Support Center.
KAIC06303-E	An attempt to retrieve the fibre channel port information for port "*port-name*" has failed.	Contact the Support Center.
KAIC06305-E	The LUN security option is not installed on the storage system.	Check the configuration of the storage system. The LUN security option must be installed to perform this function.
KAIC06306-E	The LUN security option is disabled on the storage system.	Check the configuration of the storage system. The LUN security option must be installed to perform this function.
KAIC06307-E	The LUN security cannot be modified, because the port is in HP mode.	To change the LUN security, disable the HP mode of the port.
KAIC06309-E	The LUN "*LUN*" of the port "*port-name*" is already reserved for a non-existing LDEV "*device-number*".	Device Manager does not support management of the specified LUN. Use Disk Array Management Program or Storage Navigator Modular to release the LUN.
KAIC06311-E	The integrated LU option is disabled on the storage system.	Check the configuration of the storage system. The integration LU option must be enabled to perform this function.
KAIC06312-E	The integrated LU option is not installed on the storage system.	Check the configuration of the storage system. The integration LU option must be installed to perform this function.
KAIC06313-E	An attempt to retrieve port information for controller "*controller-ID*" has failed.	Contact the Support Center.
KAIC06314-E	An attempt to retrieve port information for port "*port-name*" has failed.	Contact the Support Center.
KAIC06315-E	The host mode 2 "*name-of-host-mode-2*" for fibre port is invalid.	This may indicate a configuration error on the storage system. Check the configuration of the storage system.
KAIC06316-E	The host mode 2 "*name-of-host-mode-2*" for SCSI port is invalid.	This may indicate a configuration error on the storage system. Check the configuration of the storage system.
KAIC06317-E	The port option "*port-option*" for fibre port is invalid.	This may indicate a configuration error on the storage system. Check the configuration of the storage system.

Message ID	Message Text	Description
KAIC06318-E	The port option "*port-option*" for SCSI port is invalid.	This may indicate a configuration error on the storage system. Check the configuration of the storage system.
KAIC06320-E	The storage system does not support the host mode 2 "*name-of-host-mode-2*".	Check the microcode version of the storage system.
KAIC06321-E	The target storage system is not in mapping mode.	This operation requires that mapping mode be enabled. Check the device configuration. For details about the mapping mode, see the manual that corresponds to your storage system.
KAIC06322-E	The request for the storage system cannot be executed. The permission to manage the storage system might have been acquired by another user.	Make sure the storage system is not being accessed by the built-in account of another application. If it is not being accessed, refresh the storage system, and then try again.
KAIC06323-E	The request for the storage system cannot be executed. The login session of the storage system has expired.	A forced logout might have been executed because the account was invalidated. Make sure such an operation was not executed performed on the storage system by another user. If no such operation was executed, refresh the storage system, and then try again.
KAIC06330-E	The specified storage system "*array-family*" is a SCSI model. It is not supported in Device Manager.	Check the storage system.
KAIC06400-E	An error occurred during storage system processing. (error code 1 = "*error-code-1*", error code 2 = "*error-code-2*", meaning = "*meaning*") If the configuration was changed, refresh the storage system information. If you do not have the permissions required to refresh the information, ask the storage system administrator to do it for you.	Take action based on the applicable storage system messages and recommended actions in the Device Manager error manual.
KAIC06401-E	An error occurred in the format processing of the storage system. (Error code = "*Error Code*") Remove the cause of the problem, and then refresh the storage system.	Remove the cause of the problem, and then refresh the storage system.
KAIC06402-E	Processing in the storage system has not finished. Remove the	Remove the cause of the problem, and then refresh the storage system.

Message ID	Message Text	Description
	cause of the problem, and then refresh the storage system.	
KAIC06403-E	LDEV (devNum="*Device number*") is not in a formattable state.	Refresh the storage system, and then revise the LDEV state.
KAIC06450-E	An error occurred during processing on the storage system. (error code 1 = "*error-code-1*", error code 2 = "*error-code-2*", meaning = "*meaning*") If the configuration was being changed, refresh both the storage system and external storage system. If you are a local user, contact the system administrator.	Take action based on the applicable storage system messages and recommended actions in the Device Manager error manual.
KAIC06500-E	All or part of the processing on the RMI server cannot be performed. Refresh the storage system, and then check the processing results. (IP address = *IP address*)	Revise the parameter settings, and then try again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC06501-E	A conflict occurred for the processing on the RMI server. Wait a while, and then try again. (IP address = *IP address*)	If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC06502-E	An internal processing error occurred on the RMI server. (IP address = *IP address*)	Detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC06503-E	An internal processing error occurred in the RMI library. (IP address = *IP address*)	To determine the cause and resolve the problem, detailed investigation is required. Contact the support center, who may ask you to collect troubleshooting information.
KAIC06504-E	Monitoring data could not be specified for LDEV *device-number* because it contains invalid monitoring data. Re-execute the command after getting monitoring data.	Re-execute the command after getting monitoring data.
KAIC06505-E	This operation cannot be performed because the results of monitoring the specified pool (pool ID = *pool ID*) are being	Wait a while, and then try again.

Message ID	Message Text	Description
	processed. Wait a while, and then try again.	
KAIC06999-E	The SNMP command was cancelled after repeated failures.	Contact the Support Center.
KAIC07000-E	Unspecified agent error was encountered.	Contact the Support Center.
KAIC07001-E	Device Manager does not support the operation "*operation*" for the storage system type.	Device Manager Server does not support requests on the specified storage system.
KAIC07002-E	The license key required for the operation is not installed.	Install the required license key.
KAIC07003-E	The license key required for the operation is not active.	Activate the required license key.
KAIC07004-E	Invalid "LU" parameter. Integer expected.	Make sure the "LU" is an integer value, and then retry. If this problem persists, contact the Support Center.
KAIC07005-E	Missing parameter: storage system "objectID".	The ObjectID parameter of storage system is required. Provide the missing parameter, and then retry.
KAIC07006-E	Missing parameter: Port "objectID".	The ObjectID parameter of the port is required. Provide the missing parameter, and then retry.
KAIC07007-E	Missing parameter: Path "objectID".	The ObjectID parameter of Path is required. Provide the missing parameter, and then retry.
KAIC07008-E	Missing parameter: "WWN".	The WWN parameter is required. Provide the missing parameter, and then retry.
KAIC07009-E	The value for the "scsiID" parameter is incorrect.	Check the SCSI ID. Make sure that the SCSI ID is correct, and then retry. If this problem persists, contact the Support Center.
KAIC07010-E	The specified WWN "*WWN*" is invalid.	Make sure that the WWN parameter has the proper format.
KAIC07011-E	Missing parameter: WWNGroup "objectID".	ObjectID parameter of the WWNGroup is required. Provide the missing parameter, and then retry.
KAIC07012-E	Missing parameter: LUNGroup "objectID".	The ObjectID parameter of the LUNGroup is required. Provide the missing parameter, and then retry.

Message ID	Message Text	Description
KAIC07013-E	The objectID references an incorrect object type for the request.	Check the type of the specified object.
KAIC07014-E	Missing parameter: Logical Group "objectID".	The ObjectID parameter of the Logical Group is required. Provide the missing parameter, and then retry.
KAIC07015-E	Missing parameter: Host "objectID".	The ObjectID parameter of the Host is required. Provide the missing parameter, and then retry.
KAIC07016-E	Missing parameter: Logical Group Element "objectID".	The ObjectID parameter to be registered for the logical group as a logicalGroup element is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07017-E	Missing parameter: "objectID".	The ObjectID parameter is required. Provide the missing parameter, and then retry.
KAIC07018-E	Specified logical group is not found in the Device Manager database. Specified path of logical group is invalid. Logical group:"*Logical group path*"	Please specify the right logical group path or objectID.
KAIC07019-E	Missing parameter: Host "name".	The Name parameter of the Host is required. Provide the missing parameter, and then retry.
KAIC07020-E	A required element is missing from the request. "*element*"	Make sure that all of the required elements of a request are in place. Provide the missing element, and then retry. If this problem persists, contact the Support Center.
KAIC07021-E	There is more than one instance of the logical group. Specify the object ID. Logical group: "*Logical group path*"	Revise the parameter specifications.
KAIC07022-E	Missing parameter: Host Info "*unspecified-parameter*".	Specify the object name not registered in the Host Info.
KAIC07023-E	The specified parent logical group is invalid. A logical group cannot be its own parent.	For the parent, specify a logical group that is not the logical group being edited.
KAIC07024-E	The logical group parent is invalid. The request creates a circular group dependency.	The relationship between the logical group parent and logical group child is invalid. Check the specified group.

Message ID	Message Text	Description
KAIC07025-E	The logical group parent was not found in the Device Manager database.	Check the logical group parent.
KAIC07026-E	The logical group was not found in the Device Manager database.	Check the logical group.
KAIC07027-E	The storage system was not found in the Device Manager database.	Check the coding of storage system.
KAIC07028-E	The specified LDEV (devnum = "*Device number*") cannot be found in the Device Manager database.	Make sure that the specified LDEV is in the Device Manager database.
KAIC07029-E	The specified path (port ID = "*Port ID*", domain ID = "*Domain ID*", devNum = "*Device number*") cannot be found in the Device Manager database.	Check and, if necessary, revise the path specification.
KAIC07030-E	The host was not found in the Device Manager database.	Check the host.
KAIC07031-E	The host info was not found in the Device Manager database.	Check the host info.
KAIC07032-E	The "*parameter-name*" and "*parameter-name*" parameters cannot be specified at the same time.	Revise the specification.
KAIC07033-E	The number of elements specified in the request is invalid. (element = *element-name*)	Revise the number of elements in the request, and then try the operation again.
KAIC07034-E	Missing parameter: User "loginID".	The User "loginID" is required. Provide the missing parameter, and then retry.
KAIC07035-E	This operation cannot be executed because the maximum number of registerable RCUs or SSIDs has already been created.	Delete any unnecessary RCUs or SSIDs, and then try again.
KAIC07036-E	Missing parameter: Rule "ruleID".	The Rule "ruleID" is required. Provide the missing parameter, and then retry.
KAIC07037-E	This operation cannot be executed because the maximum number of registerable logical paths has been exceeded.	Delete any unnecessary logical paths, and then try again.
KAIC07038-E	Missing parameter: UserGroup "name".	The UserGroup "name" is required. Provide the missing parameter, and then retry.
KAIC07039-E	The user group was not found in the Device Manager database.	Check the user group.

Message ID	Message Text	Description
KAIC07040-E	Missing parameter: User "password".	The User "password" is required. Provide the missing parameter, and then retry.
KAIC07041-E	Missing parameter: User "groupName".	The user "groupName" is required. Provide the missing parameter, and then retry.
KAIC07042-E	The user group name is invalid. Specify no more than 25 characters for the name, using only the following characters: a-z A-Z 0-9 - = \ ` , . _	Revise the entered user group name.
KAIC07043-E	The user ID is invalid. Specify a user ID by using the following rules. Input rules : "*input-rules-for-user-ID*"	Revise the entered password.
KAIC07044-E	The password is invalid. Specify a password by using the following rules. Input rules: "*input-rules-for-passwords*"	Revise the entered password.
KAIC07045-E	The specified group "*specified-logical-group-name*" is not available because a child group with that name already exists under the group "*target-parent-logical-group-name*".	Change the name of the child group, and then retry.
KAIC07046-E	The specified group "*specified-logical-group-name*" is not available because a top-level group with that name already exists.	Change the group name, and then retry.
KAIC07047-E	A zero-length name is not permitted.	Revise the request, and then try again.
KAIC07048-E	The file named "*file-name*" was not found.	Contact the Support Center.
KAIC07049-E	The file named "*file-name*" cannot be read.	Contact the Support Center.
KAIC07050-E	The MCU-RCU or remote path cannot be created between the specified storage systems.	Revise the specification of the storage system, and then try again.
KAIC07051-E	Missing parameter: Debug level "value".	The debug level "value" is required. Provide the missing parameter, and then retry.
KAIC07052-E	The specified MCU port is not the Initiator.	Revise the specification of the logical path, and then try again.
KAIC07053-E	The debug level value "*debug-level-value*" is not valid.	Valid debug levels are 0 (All information) 1 (Informational messages and above) 2 (Warnings and above) 3 (Errors

Message ID	Message Text	Description
		and above) 4 (Fatal errors only). Make sure that the "value" is valid, and then retry.
KAIC07054-E	An attempt to unregister Subscriber "*Subscriber-ID*" has failed.	The specified Subscriber "*Subscriber-ID*" does not exist. Make sure that the "Subscriber-ID" is valid.
KAIC07055-E	Missing parameter: Subscriber "topic".	The topic of Subscriber is required. Provide the missing parameter, and then retry.
KAIC07056-E	An attempt to register Subscriber "*Subscriber-ID*" has failed.	Contact the Support Center.
KAIC07057-E	Missing parameter: Network resource "IP Address".	The "IP Address" is required. Provide the missing parameter, and then retry.
KAIC07058-E	The operation cannot be performed because the MCU-RCU or remote path has already been created between the specified storage systems.	Revise the MCU-RCU or the remote path specification, and then try again.
KAIC07059-E	The "count" parameter is invalid, and needs to be a positive integer. This attribute should only be specified once.	Check the specified "count". Make sure that it is a positive integer, and then retry.
KAIC07060-E	This operation cannot be performed because the specified port is not in a modifiable combination.	Revise the specification of the port, and then try again.
KAIC07061-E	The "start" parameter is invalid, and needs to be a date. This attribute should only be specified once.	Check the specified "start". Make sure that it is a valid date, and then retry.
KAIC07062-E	Missing parameter: Object "name".	The object "name" is required. Provide the missing parameter, and then retry.
KAIC07063-E	Invalid parameter: Alert "number" or "source" required.	Both Alert "number" and "source" are required. Provide the missing parameters, and then retry. If this problem persists, contact the Support Center.
KAIC07064-E	The parent storage system could not be found.	Check the description of storage system.
KAIC07065-E	Missing parameter: storage system "arrayFamily".	The "arrayFamily" of the storage system is required. Provide the missing parameter, and then retry.
KAIC07066-E	This operation cannot be performed because the specified	Revise the specification of the path, and then try again.

Message ID	Message Text	Description
	logical path is already registered for the RCU.	
KAIC07067-E	Missing parameter: storage system "searchCommunity".	Parameter "searchCommunity" of storage system is required. Provide the missing parameter, and then retry.
KAIC07068-E	The "objectID" parameter is invalid.	Make sure that the specified "objectID" is correct, and then retry.
KAIC07069-E	The logical group can only contain objects from a single storage system.	An attempt was made to add an object to a logical group. However, a group can only contain objects from a single array.
KAIC07070-E	The "Topic" parameter is invalid.	Make sure that the specified "Topic" is correct, and then retry.
KAIC07071-E	The parameter "name" exceeds the maximum possible length.	Make sure that the length of "name" does not exceed the maximum length, and then retry.
KAIC07072-E	The specified logical paths are not set.	Revise the specification of the logical path, and then try again.
KAIC07073-E	Invalid request target parameter: Expected "*expected-class-name*"; found "*specified-class-name*".	Contact the Support Center.
KAIC07074-E	Missing parameter: Port Controller "ID".	The Port Controller "ID" is required. Provide the missing parameter, and then retry.
KAIC07075-E	Missing parameter: Port Controller "Mode".	The "Mode" of Port Controller is required. Provide the missing parameter, and then retry.
KAIC07076-E	The value for Port Controller Mode is invalid.	Valid Port Controller value is required. See the Device Manager Server XML API manual.
KAIC07077-E	The requested mode cannot be set on a non-Fibre Channel Port Controller.	This request can only be attempted for a Fibre Channel port.
KAIC07078-E	The ports for the requested Port Controller could not be found.	Contact the Support Center.
KAIC07079-E	High Speed mode cannot be set because port "*port1-ID*" and port "*port2-ID*" have different host modes.	High Speed mode requires that port "*port1-ID*" and "*port2-ID*" have the same host mode.
KAIC07080-E	High Speed mode cannot be set because port "*port1-ID*" and port "*port2-ID*" have different topologies.	High Speed mode requires that port "*port1-ID*" and "*port2-ID*" have the same topology.

Message ID	Message Text	Description
KAIC07081-E	High Speed mode cannot be set because port "*port1-ID*" and port "*port2-ID*" have the same fibre address.	High Speed mode requires that port "*port1-ID*" and "*port2-ID*" have the same fibre address.
KAIC07082-E	High Speed mode cannot be set because port "*port-ID*" topology is Point-To-Point.	High Speed mode requires that the topology of port "*port-ID*" be FC-AL.
KAIC07083-E	The high speed mode cannot be set because LDEV "*device-number*" is assigned to both port "*port1-ID*" and port "*port2-ID*".	Release the LDEV from one of the ports, and then retry the operation.
KAIC07084-E	The requested port has no WWN.	Check the WWN of port.
KAIC07085-E	Insufficient number of physical devices for array group.	The creation of an array group requires at least two physical devices.
KAIC07086-E	The requested host mode is not available on this storage system.	Check the host mode or storage system.
KAIC07087-E	Missing parameter: Rule "operation".	Rule "operation" is required. Provide the missing parameter, and then retry.
KAIC07088-E	Missing parameter: Rule "ruleType".	Rule "ruleType" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07089-E	Missing parameter: Rule "target".	Rule "target" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07090-E	A parameter is missing: "group name" must be specified.	"group name" is required. Specify the missing parameter, and then retry.
KAIC07091-E	Missing parameter: User "role".	User "role" is required. Provide the missing parameter, and then retry.
KAIC07092-E	The role is invalid.	Check the role of user.
KAIC07093-E	An invalid cluster number has been specified for the Port Controller.	Check the number of the Port Controller.
KAIC07094-E	High speed mode is unavailable.	High Speed mode is unsupported with the specified Port Controller.
KAIC07095-E	Invalid CHA number.	Assign a valid card number.
KAIC07096-E	Invalid topology number.	Assign a valid topology.
KAIC07097-E	Invalid fibre address.	Assign a valid fibre address.

Message ID	Message Text	Description
KAIC07098-E	This operation cannot be executed because the maximum number of registerable MU number has been exceeded.	Delete any unnecessary pairs, and then try again.
KAIC07099-E	Invalid channel speed.	Assign a valid channel speed.
KAIC07100-E	The parameter "portID" is out of range. The valid range is "*minimum-port-ID*" to "*maximum-port-ID*".	Specify a valid value.
KAIC07101-E	The parameter "LU" is out of range. The valid range is "*minimum-LU*" to "*maximum-LU*".	Specify a valid value.
KAIC07102-E	The parameter "lun" is out of range. The valid range is "*minimum-lun(hex)* (*minimum-lun*)" to "*maximum-lun(hex)* (*maximum-lun*)".	Specify a valid value.
KAIC07103-E	The port was not found on the storage system.	Check the specified port and storage system.
KAIC07104-E	The LU "*device-number*" was not found on the storage system.	Check the specified LU and storage system.
KAIC07105-E	The LUN "*LUN*" was not found on the storage system.	Check the specified LUN and storage system.
KAIC07106-E	The LU "*device-number*" is already in use on port "*port-name*".	Check the LU.
KAIC07107-E	The LUN "*LUN*" is already in use on port "*port-name*".	Check the specified LUN.
KAIC07108-E	The LU "*device-number*" is an OnDemand device and cannot be used for an LUN.	Check the specified LU.
KAIC07109-E	This command cannot be processed, since both a "devNum" attribute of a Path element and LDEV elements are not specified.	Check the request.
KAIC07110-E	The LUN cannot be deleted, because one or more hosts are using it. LUN Security must be removed for this LUN before the path can be deleted.	Clear the LUN security for this LUN, and then retry.
KAIC07111-E	The WWN "*WWN*" cannot be deleted. The WWN was not found on the port.	Make sure that the WWN and LUN are specified correctly. Otherwise, no action is required.
KAIC07112-E	The port (portID = "*Port ID*") cannot be found in the storage system.	Check and, if necessary, revise the port or storage system specification.

Message ID	Message Text	Description
KAIC07113-E	The number of logical paths cannot go below the set minimum number of paths.	Revise the specification of the logical path, and then try again.
KAIC07114-E	The security for this LUN cannot be changed, since it is part of LUNGroup "*LUN-group-nickname*".	Delete the LUNGroup, and reissue the secure LUN command.
KAIC07115-E	The LUN cannot be deleted, since it is part of LUNGroup "*LUN-group-nickname*".	Delete the LUNGroup, and then retry.
KAIC07116-E	The specified remote paths are invalid. One port from both controller0 and controller1 must be specified.	Revise the specification of the remote path, and then try again.
KAIC07117-E	The command cannot be executed because the specified WWN group is not on the port "*port-name*".	Make sure that the correct WWN group and port are specified, and then try again.
KAIC07118-E	The command cannot be executed because the specified LUN group is not on the port "*port-name*".	Make sure that the correct LUN group and port are specified.
KAIC07119-E	The LUN referenced by the HostInfo was not found in the storage system.	Check the LUN.
KAIC07120-E	The specified host ("*host-name-or-objectID*") does not exist.	Revise the parameter specifications.
KAIC07121-E	The logical group element cannot be deleted, because the element is not part of the Logical group.	Check the specified objectID.
KAIC07122-E	The host name "*host-name*" is already used by an existing host.	Specify a new host name.
KAIC07123-E	The host info record is already contained in the Device Manager database.	Check the HostInfo.
KAIC07124-E	The storage system with serial number "*serial-number*" was not found in the Device Manager database.	Check the specified objectID of the storage system.
KAIC07125-E	Cannot delete host "*host-name*", because one of the WWNs is securing an LUN.	Clear the LUN before deleting the host.
KAIC07126-E	The LDEV "*device-number*" is a *PP Name (VolumeMigration)* reserved volume and cannot be used for an LUN.	Check the LDEV.

Message ID	Message Text	Description
KAIC07127-E	Invalid parameter: Filter "Condition volumeKind"	Make sure that the "Condition volumeKind" is valid. The valid Condition volumeKinds are "MAINFRAME", "INTERMEDIATE", "OPEN" or combinations of these.
KAIC07128-E	The logical unit with LU "*device-number*" is a command device. The LUN cannot be deleted.	Check the LU.
KAIC07129-E	The WWN "00.00.00.00.00.00.00.00" is invalid, and cannot be used to secure an LUN.	Make sure that the WWN is correct.
KAIC07130-E	An LUN cannot be added to a port of type "*port-type*".	Check the port.
KAIC07131-E	The SCSI ID "*SCSI-ID*" was not found on the storage system.	Check the SCSI ID.
KAIC07132-E	This operation cannot be performed for a port of the port type "*port-type*".	Check the port.
KAIC07133-E	The maximum number of WWNs ("*maximum-number-of-WWNs*") cannot be exceeded.	No more WWNs can be added to the port. Delete WWNs that are not used, and then retry.
KAIC07134-E	The WWN "*WWN*" is already in use by host "*host-name*".	Check the specified WWN.
KAIC07135-E	Physical device #"*PDEV-ID*" is already in use (role = "*role*").	Check the PDEV "pdevID".
KAIC07136-E	Physical device #"*PDEV-ID*" is not on the proper chassis for the array group.	A PDEV with chassis specified as array groups is required.
KAIC07137-E	A logical unit that has an LUN defined cannot be deleted.	The LUN must be deleted prior to deleting the logical unit.
KAIC07138-E	An array group that has an LUN defined cannot be deleted.	The LUN must be deleted prior to deleting the array group.
KAIC07139-E	Parameter "chassis" is out of range. The valid range is "*minimum-number-of-chassis*" to "*maximum-number-of-chassis*".	Specify a valid "chassis" range in within the range "*minimum-number-of-chassis*" to "*maximum-number-of-chassis*", and then retry.
KAIC07140-E	The Port Controller was not found in the Device Manager database.	Check the specified Port Controller.
KAIC07141-E	The maximum number of LDEVs ("*maximum-number-of-LDEVs*") for the array group cannot be exceeded.	Ensure that the number of LDEVs in the array group does not exceed the maximum, and then retry.
KAIC07142-E	An attempt to delete a spare drive has failed. The physical device #"*PDEV-ID*" is not a spare	Check the specified PDEV.

Message ID	Message Text	Description
	drive or is a spare drive which is currently being used.	
KAIC07143-E	The spare physical device #"*spare-physical-device-ID*" must be deleted from the array group.	Delete this array group to delete this spare physical device.
KAIC07144-E	An invalid emulation type was specified.	The emulation type specified is not supported by the operation. Device Manager Server can only create logical units using OPEN emulation.
KAIC07145-E	An invalid capacity was specified for the desired emulation type.	Make sure that the capacity falls within the valid range for the emulation type.
KAIC07146-E	Insufficient free space on the specified array group.	Specify the size within the scope of free space. For details, see the manual that corresponds to your storage system.
KAIC07147-E	The maximum number of array groups ("*maximum-number-of-array-groups*") for the chassis cannot be exceeded.	Check the specified chassis.
KAIC07148-E	The parameter "defaultPortController" is out of range. The valid range is "*minimum-controller-number*" to "*maximum-controller-number*".	Specify a "defaultPortController" within the range "*minimum-controller-number*" to "*maximum-controller-number*", and then retry.
KAIC07149-E	Device Manager does not manage the specified Port Controller "*port-controller-ID*".	Check the specified Port Controller.
KAIC07150-E	Device Manager does not manage the specified port "*port-name*".	Check the specified port.
KAIC07151-E	Cannot find the specified storage system.	Check the specified storage system.
KAIC07152-E	The parameter "domainID" is out of range. The valid range is "*minimum-number-of-domainID*" to "*maximum-number-of-domainID*".	Specify a "domainID" within the range "*minimum-number-of-domainID*" to "*maximum-number-of-domainID*", and then retry.
KAIC07153-E	The domainID "*domainID*" is already in use on port "*port-ID*".	Change the domainID.
KAIC07154-E	The maximum number of HostStorageDomains ("*maximum-number-of-host-storage-domains*") for the port "*port-number*" cannot be exceeded.	Specify a valid value.
KAIC07155-E	The host storage domain (port ID = "*Port ID*", domainID = "*Domain*	Check and, if necessary, revise the host storage domain specification.

Message ID	Message Text	Description
	ID") cannot be found in the Device Manager database.	
KAIC07156-E	Missing parameter: HostStorageDomain "objectID".	The HostStorageDomain "objectID" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07157-E	Missing parameter: "host mode" in the ModifyPort request.	The HostStorageDomain "host mode" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07158-E	"name" of the specified object cannot be deleted.	Check the specified objectID.
KAIC07159-E	The partitioned storage administrator who manages this storage system cannot modify the configuration of the port (port ID = "*Port ID*") that belongs to SLPR: "*SLPR-Number*".	Check and, if necessary, revise the port specification.
KAIC07160-E	The security for the LUN cannot be changed, because the WWN is part of WWNGroup "*WWNGroup*".	Delete the WWNGroup, and reissue the secure/unsecure LUN command.
KAIC07161-E	Invalid parameter: Filter "Condition type"	Revise the value you specified in Condition type. Valid values are `ALL`, `FREE`, `ASSIGNED`, `UNASSIGNED` and `RESERVED`.
KAIC07162-E	Missing parameter: "Port".	Port parameter required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07163-E	The specified port option is invalid.	This is an informational message only. No additional action is required.
KAIC07164-E	The specified host mode 2 is invalid.	This is an informational message only. No additional action is required.
KAIC07165-E	Inconsistent combinations of host modes are specified for the same port.	The specified storage system does not support different combinations of host modes for the same port. Revise the settings.
KAIC07166-E	Inconsistent combinations of host mode 2 are specified for the same port.	The specified storage system does not support different combinations of host mode 2 for the same port. Revise the settings.
KAIC07167-E	XML Message has no API Version for the URLLink.	Contact the Support Center.

Message ID	Message Text	Description
KAIC07168-E	The specified WWN does not exist on the target "*target-element*".	Check the specified WWN, and then retry.
KAIC07169-E	This operation cannot be performed for a Port Controller of NAS.	The operation is not supported for a Port Controller of NAS.
KAIC07170-E	The specified user ID is invalid.	Specify an effective user ID.
KAIC07171-E	The specified LU used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)* cannot be deleted.	Check and, if necessary, revise the LU specification.
KAIC07172-E	No more command devices can be added to the specified storage system.	Up to 2 command devices can be specified. Delete any unnecessary command device, and then retry.
KAIC07173-E	This operation cannot be performed for a system volume (devNum = "*Device number*") of NAS.	The operation is not supported for an NAS system volume.
KAIC07174-E	For the specified emulation type "*emulation-type*", the creation capacity automatically computed from the specified size "*specified-size-in-KB*KB" is "*creation-size-in-KB*KB". Re-specify this value so that the creation capacity is within the range of "*lower-limit-size-in-KB*KB" to "*upper-limit-size-in-KB*KB".	Make sure that the capacity falls within the valid range for the emulation type.
KAIC07175-E	Free space is insufficient on the specified array group. Specify the size within the range of the free space. The automatically computed capacity for creation is "*creation-size-in-KB*KB".	Specify the size within the range of free space.
KAIC07176-E	A Command Device without an LUN defined cannot be added.	Perform this operation after the definition of an LUN.
KAIC07177-E	The last path of an LU (devNum = "*Device number*") set for a command device cannot be deleted.	Delete the command device, and then the path.
KAIC07178-E	The specified command option is invalid.	An invalid command option is specified.
KAIC07179-E	Invalid parameters: domainID and WWN cannot be specified at the same time.	Make sure that the request is correct.
KAIC07180-E	In LUSE creation, LDEV "*device-number*" overlaps and is specified.	Check the specification of LDEV.

Message ID	Message Text	Description
KAIC07181-E	Missing parameter: LogicalUnit "commandDevice".	The commandDevice parameter of LogicalUnit is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07182-E	The LU "*device-number*" is a *PP Name (VolumeMigration)* reserved volume, and cannot be used for a command device.	Check the LU.
KAIC07183-E	The LU "*device-number*" is a LUSE device, and cannot be used for a command device.	Check the LU.
KAIC07184-E	The specified LU "*device-number*" cannot be used as a Command Device because it is being used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)*.	Check and, if necessary, revise the LU specification.
KAIC07185-E	The last path of an LU (devNum = "*Device number*") used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)* cannot be deleted.	Check and, if necessary, revise the path specification.
KAIC07186-E	To create a command device, the size of specified LU must be "*minimum size of LU which can create a command device*" KB or more.	Check the LU.
KAIC07187-E	If the specified path is not a representative LDEV configuring a LUSE, the path cannot be deleted.	Use Disk Array Management Program or Storage Navigator Modular to delete the path that is not a representative LDEV configuring a LUSE, and then use Device Manager to refresh the storage system.
KAIC07188-E	The path for an LU used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)* cannot be deleted.	Check and, if necessary, revise the path specification.
KAIC07189-E	Device Manager Server does not support the operation "*operation*" for the specified LDEV.	Device Manager Server supports the operation for only open volumes. Check the specified LDEV.
KAIC07190-E	This command cannot be processed, since the specified LU is a command device.	Check the LU.
KAIC07191-E	This command cannot be processed, since the specified LU in not a command device.	Check the LU.
KAIC07192-E	The parameter "*element-name*" is insufficient. Either "*attribute-*	Check the parameter.

Message ID	Message Text	Description
	name-1" or "*attribute-name-2*" must be specified.	
KAIC07193-E	This command cannot be processed, since command device security is already set for the specified LU.	Check the LU.
KAIC07194-E	This command cannot be processed, since command device security is not set for the specified LU.	Check the LU.
KAIC07195-E	A non-OPEN emulation LogicalUnit cannot be set as a command device.	Check the LU.
KAIC07196-E	The LU "*device-number*" is already being used for "*PP Name (QuickShadow)*" "*volume type of QuickShadow*" .	Check the LU.
KAIC07197-E	An array group cannot consist of PDEVs with different drive types.	Make sure that the PDEV specification is valid.
KAIC07198-E	A RAID0 array group cannot consist of PDEVs with specified drive types.	Make sure that the PDEV specification is valid.
KAIC07199-E	The specified object already exists in the logical group "*LogicalGroup name*".	Revise the object specifications.
KAIC07200-E	The request has failed: empty messageID in request.	GetRequestStatus requires a valid messageID attribute. Add a valid messageID attribute to the request, and then retry.
KAIC07201-E	An attempt to create an external array group has failed. The specified external storage system is in the same storage system.	Revise the specification.
KAIC07202-E	The request has failed: messageID "*message-ID*" not found.	No data was found for message ID. This is most likely because the data was already retrieved. See if the Device Manager database has been updated with the results of the request (i.e. Add storage system).
KAIC07203-E	This command cannot be executed because a normal volume and a V-VOL of "*PP Name (QuickShadow)*" are mixed in the specified LU (devNum = "*Device number*" and devNum = "*Device number*").	Check and, if necessary, revise the LU specification.
KAIC07204-E	This command does not support the specified emulation type.	Specify "OPEN-V" as the emulation type.

Message ID	Message Text	Description
KAIC07205-E	An invalid combination of path group IDs is specified.	Revise the specification.
KAIC07206-E	For a remote command device, the parameter "*number of LU*" cannot be specified for numOfLUs.	Revise the specification.
KAIC07207-E	An attempt to create an external array group has failed because the combination of the specified port "*port-name*" and external storage system port (WWN = "*port-WWN*") is invalid.	Revise the specifications for the port and external storage system port.
KAIC07208-E	An attempt to create an external array group has failed because the combination of the specified port "*port-name*" and external storage system volume (LUN = "*LUN*") is invalid.	Revise the specifications for the port and external storage system volume.
KAIC07209-E	The external volumes for alternate paths are different.	Revise the alternate paths specification.
KAIC07210-E	The replication group is already registered in the Device Manager database.	Check the ReplicationGroup.
KAIC07211-E	The request failed, since a null objectID exists in ReplicationGroup.	"*api-name*" requires a valid `objectID` attribute in the ReplicationGroup. Add an objectID to the request, and then retry.
KAIC07212-E	The specified ReplicationGroup object is not found or multiple hosts with the same IP address are registered.	Revise the request. This request may fail when multiple hosts with the same IP address are registered, although the specified ReplicationGroup object is found in the database. Do the following: 1. Delete the unused hosts. 2. Refresh the storage system. 3. Retry the request.
KAIC07213-E	The request failed, since a null objectID exists in ReplicationInfo.	"*api-name*" requires a valid `objectID` attribute in the ReplicationInfo. Add an objectID to the request, and then retry.
KAIC07214-E	An attempt to execute the request has failed. The object specified in ReplicationInfo was not found in the database.	Revise the request, and then try again.
KAIC07215-E	Execution of the request failed, because the specified configuration file or replication	Check the following:

Message ID	Message Text	Description
	group cannot be handled by Device Manager. Refresh the storage system information, check the parameters, and then try the operation again. If this error occurs again, contact the customer support center, who might ask you to collect troubleshooting information.	• Property file of the applicable host agent • To perform a pair operation for volumes on a virtual storage machine, check one of the following, depending on the operation: 1. To specify virtual IDs for the pair volumes, make sure that HORCM_VMCD is defined in the configuration file. 2. To specify physical IDs for the pair volumes, make sure that HORCM_VMCD is not defined in the configuration file.
KAIC07216-E	The request failed, since the specified ReplicationInfo is not in the specified ReplicationGroup.	Check the request, and then retry.
KAIC07217-E	The specified command option is invalid. The number of specified command option items is "*number-of-specified-option-items*", but the API requires at least "*minimum-items-api-requires*".	Check the request, and then retry.
KAIC07218-E	The specified command option is invalid. The number of specified command option items is "*number-of-specified-option-items*", but the API requires at most "*maximum-items-api-demands*".	Check the request, and then retry.
KAIC07219-E	The request failed, since the specified copyTrackSize "*copy-track-size*" is invalid.	Check the request, and then retry.
KAIC07220-E	The replication controller pair was not found in the Device Manager database.	Check what is specifies for the replication controller pair.
KAIC07221-E	The specified logical unit (array type = "*type-of-LU*", serial number = "*LU-serial-number*", device number = "*LU-device-number*") cannot be used in a pair because the host's I/O suppression mode is enabled.	Revise the logical unit specification.
KAIC07222-E	The specified LU "*device number*" cannot be used for a LUSE device because it is being used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)*.	Check and, if necessary, revise the LU specification.

Message ID	Message Text	Description
KAIC07223-E	The LUSE cannot be deleted because the specified LU "*device number*" is used by *PP Name (TrueCopy)*/*PP Name (ShadowImage)*.	Check and, if necessary, revise the LU specification.
KAIC07224-E	The specified host mode option is invalid.	Revise the host mode option specification.
KAIC07225-E	The object ID of the host is not specified.	Revise the request, and then retry.
KAIC07226-E	The specified object ID of the host is invalid.	Specify the object ID of a host that batch-manages pairs.
KAIC07227-E	The object ID of "*Element name*" cannot be specified.	Revise the request, and then retry.
KAIC07228-E	The specified "replicationOwnerHost" was not found in the Device Manager database.	Revise the request, and then retry.
KAIC07229-E	The "*Element name*" element is not specified.	Revise the request, and then retry.
KAIC07230-E	The command cannot be executed because the specified LDEV "*Device number*" is protected.	Revise the LDEV specification.
KAIC07231-E	The command cannot be executed because a path is set for the specified LDEV "*Device number*".	Revise the LDEV specification.
KAIC07232-E	The command cannot be executed because the specified LDEV "*Device number*" is set to a *PP Name (VolumeMigration)* reserved volume.	Revise the LDEV specification.
KAIC07233-E	The command cannot be executed because the specified LDEV "*Device number*" is not a representative LDEV making up a LUSE Volume.	Revise the LDEV specification.
KAIC07234-E	The command cannot be executed because the specified LDEV "*Device number*" is a pair device.	Revise the LDEV specification.
KAIC07235-E	The LDEV "*Device number*" specification is duplicated.	Revise the LDEV specification.
KAIC07236-E	Invalid parameter: Filter "Condition host"	Make sure that the "Condition host" is valid. The valid Condition hosts are "`ASSIGNED`" and "`UNASSIGNED`".

Message ID	Message Text	Description
KAIC07237-E	Multiple instances of the same logical unit "*Device number*" have been specified.	Revise the specifications for the logical unit.
KAIC07238-E	It is not possible to create an unformatted logical unit in the specified storage system.	Revise the storage system specification.
KAIC07239-E	A Quick Format cannot be executed because there is no System Disk area.	Create the System Disk area, and then try again.
KAIC07240-E	This command cannot be executed, because the specified LU is being used as a remote command device in another storage system.	Revise the LU specification.
KAIC07241-E	The command cannot be executed because the specified LDEV "*Device number*" was being used for *PP Name (Dynamic Provisioning)*.	Revise the LDEV specification.
KAIC07242-E	The LDEV "*device-number*" is a command device. The LDEV cannot be deleted.	Check the LDEV.
KAIC07243-E	The LU "*device-number*" cannot be formatted because it is an external volume, pool volume, or journal volume.	Check the specified LU, and then try again.
KAIC07244-E	The *option-name* option and *option-name* option cannot be specified at the same time.	Check the request, and then try again.
KAIC07245-E	The specified external volume is a command device. When specifying the capacity of the LU, you need to specify the same capacity as the external volume.	Revise the LU specification.
KAIC07246-E	An attempt to create an external array group has failed because two or more combinations of the port "*port-name*" and external storage system port (WWN = "*port-WWN*") are specified.	Revise the specifications for the port and external storage system port.
KAIC07247-E	This operation cannot be performed for a port whose port role is "*port-role*".	Revise the port specification.
KAIC07248-E	The specified external volume is a command device. Mapping to an internal volume is required.	Revise the specification.
KAIC07249-E	The cache mode cannot be set for a remote command device.	Revise the specification.

Message ID	Message Text	Description
KAIC07250-E	The LDEV related to the specified *PP Name (VolumeMigration)* migration plan was not found in the Device Manager database.	Check and, if necessary, revise the specification.
KAIC07251-E	The specified parameter "*parameter-name*" was not found in the Device Manager database. The name might have been changed, or Device Manager might not be managing the object anymore. Revise the specified value, and then retry the operation.	Revise the specified value, and then retry the operation.
KAIC07252-E	LUSE is set for the specified LDEV. The LDEV cannot be used for a *PP Name (VolumeMigration)* reserved volume.	Revise the LDEV specification.
KAIC07253-E	The specified VolumeMigration element objectID is invalid.	Revise the objectID specification.
KAIC07254-E	A path is set for the specified LDEV. The LDEV cannot be used for a *PP Name (VolumeMigration)* reserved volume.	Revise the LDEV specification.
KAIC07255-E	The specified LDEV is a command device. It cannot be used for a *PP Name (VolumeMigration)* reserved volume.	Revise the LDEV specification.
KAIC07256-E	The specified LDEV is already set as a *PP Name (VolumeMigration)* reserved volume.	Revise the LDEV specification.
KAIC07257-E	The specified LDEV is not *PP Name (VolumeMigration)* reserved volume.	Revise the LDEV specification.
KAIC07258-E	An attempt to execute the request has failed. A set or release operation for the *PP Name (VolumeMigration)* reserved volume cannot be specified simultaneously.	Unify the specification of the reserved volume.
KAIC07259-E	The specified *PP Name (VolumeMigration)* migration plan is not in the storage system ("*Array type*", "*Serial number*").	Check and, if necessary, revise the request.
KAIC07260-E	An attempt to execute the request has failed. The same ownerID must be specified for all VolumeMigration elements.	Revise the ownerID specification, and then retry.
KAIC07261-E	Invalid parameters were specified. The same sourceDevNum "*sourceDevNum*	Revise the sourceDevNum specification for the

Message ID	Message Text	Description
	of volume migration" was specified for two or more VolumeMigration elements in the request.	VolumeMigration elements, and then retry.
KAIC07262-E	Invalid parameters were specified. The same targetDevNum "*targetDevNum of volume migration*" was specified for two or more VolumeMigration elements in the request.	Revise the targetDevNum specification for the VolumeMigration elements, and then retry.
KAIC07263-E	The owner ID specified in the request does not match the owner ID of the target volume.	Check the owner ID specifications.
KAIC07264-E	An attempt to execute the request has failed. The ownerID must be specified in the VolumeMigration element.	Specify the same value as the ownerID of the target volume related to the VolumeMigration element.
KAIC07265-E	An attempt to execute the request has failed. The emulation types of the specified source and target volumes do not match.	For the source and target volumes, specify volumes that have the same emulation type.
KAIC07266-E	An attempt to execute the request has failed. The size of the specified source and target volumes do not match.	For the source and target volumes, specify volumes that are of the same size.
KAIC07267-E	An attempt to execute the request has failed. The specified volume is a pair consisting of a standard volume and a CVS volume.	Specify standard volumes or CVS volumes for the source and target volumes.
KAIC07268-E	An attempt to execute the request has failed. Specify the same hihsmOwnerID for all LDEVs.	Revise the hihsmOwnerID specification, and then retry.
KAIC07269-E	The specified LDEV is protected. It cannot be used for a *PP Name (VolumeMigration)* reserved volume.	Revise the LDEV specification.
KAIC07270-E	An attempt to execute the request has failed. The specified LDEV is a pair device. It cannot be used for a *PP Name (VolumeMigration)* reserved volume.	Revise the request, and then retry.
KAIC07271-E	An attempt to execute the request has failed. The parameter "*Attribute name,*" is outside the valid range. The valid range is from "*Min. parameter value,*" to "*Max. parameter value*".	Revise the request, and then retry.

Message ID	Message Text	Description
KAIC07272-E	The specified LDEV cannot be used because it is set for CacheResidency.	Revise the LDEV specification.
KAIC07273-E	The parameter is invalid. (Filter "Condition hostType")	Revise the specification, and then retry.
KAIC07274-E	The object ID of the host or the host name cannot be specified at the same time as the filter used for selecting the host.	Revise the specification, and then try again.
KAIC07275-E	The specified LDEV is being used for *PP Name (Dynamic Provisioning)*, and cannot be used for *PP Name (VolumeMigration)*.	Check the microcode version of the storage system.
KAIC07276-E	The path cannot be set because the specified LDEV "*Device number*" is being used in the pool of *PP Name (Dynamic Provisioning)*.	Make sure the LDEV specifications are correct.
KAIC07277-E	A *PP Name (Dynamic Provisioning)* volume cannot be deleted in Device Manager.	Revise the LogicalUnit specification.
KAIC07278-E	A parameter is not specified. ("*parameter*")	Revise the specification, and then try again.
KAIC07279-E	The specified user ID or password is too long. This user ID and password cannot be used to access the SMI-S provider from Device Manager. Specify a user ID and password by using 1024 bytes or fewer, and then try again.	Specify a valid user ID and password, and then try again.
KAIC07280-E	The specified LDEV has a different logical DKC. The system cannot create the LUSE. (devNum = "*Device number*")	Revise the LDEV specification.
KAIC07281-E	A parameter is invalid. (Filter: "Condition portType")	Revise the specification, and then retry the operation.
KAIC07282-E	The P-VOL's pool ID does not match the S-VOL's pool ID.	Revise the pool ID specification.
KAIC07283-E	A pool necessary to create the specified pair or configuration file does not exist in the storage system. (serial number = "*serial-number*", pool ID = "*pool-ID*")	Check the requirements of the pool to be used for creating a pair, and then do either of the following: • Create the pool described in the message. • Specify a pool that exists in the storage system .

Message ID	Message Text	Description
KAIC07284-E	An attempt to execute the request has failed. All replication pairs in the same replication group must use the same Pool.	Revise the request, and then try again.
KAIC07285-E	A parameter is invalid. (parameter = "*parameter*")	Revise the specification, and then try again.
KAIC07286-E	This operation cannot be performed because the command device is not specified.	Specify the command device, and then try again.
KAIC07287-E	The Snapshot Group ID was not found in the Device Manager database.	Check the Snapshot Group ID.
KAIC07288-E	This operation cannot be performed because the specified ports are not Fibre Channel ports.	Revise the specification of the ports, and then try again.
KAIC07289-E	This operation cannot be performed because the specified ports are not SLPR:0 ports.	Revise the specification of the ports, and then try again.
KAIC07290-E	This command cannot be executed because the specified LDEV "*device-number*" is being used by a pool of "*PP-name (Dynamic Provisioning)*".	Revise the LDEV specification.
KAIC07291-E	No more DM-LUs can be added to the specified storage system.	Delete any unnecessary DM-LUs, and then try again.
KAIC07292-E	This operation cannot be performed because the specified LU size, "*LU-size*" GB, is insufficient.	Revise the specification of the LU, and then try again.
KAIC07293-E	This operation cannot be performed because the specified LU is not set as a DM-LU.	Revise the specification of the LU, and then try again.
KAIC07294-E	The specified LU is not in the Device Manager database.	Revise the specification of the LU, and then try again.
KAIC07295-E	This operation cannot be performed because the specified remote path does not use a Fibre Channel connection.	Revise the remote path specification, and then try again.
KAIC07296-E	The specified operation cannot be performed, because the volume (*Device number*) is a quorum disk.	Check and, if necessary, revise the specified volume, and then try the operation again.
KAIC07297-E	Device Manager cannot be used to perform operations on the specified pair or pairs.	Device Manager does not support operations on High Availability Manager copy pairs or External Storage Availability Manager copy pairs. Release the High

Message ID	Message Text	Description
		Availability Manager or External Storage Availability Manager configuration for the selected copy pair or select a different copy pair, and then retry the operation.
KAIC07298-E	This operation cannot be performed because the specified LU is already set as a DM-LU.	Revise the specification of the LU, and then try again.
KAIC07299-E	The serial number of the specified storage system (IP address = "*IP-address*") does not match the serial number registered in Device Manager. The serial number might have been changed during maintenance work. (registered serial number = "*registered-serial-number*", current serial number = "*current-serial-number*")	Delete the target storage system information from Device Manager, and then re-add it.
KAIC07300-E	A negative value is specified for the Messages timeToWait attribute.	Specify a valid value.
KAIC07301-E	The Subscriber is not registered.	Register the Subscriber by using AddSubscriber in the XML-API.
KAIC07302-E	Missing parameter in the URLLink request.	Check the specified URLLink.
KAIC07303-E	The URLLink in the request does not exist.	Revise the option and objectID specification.
KAIC07304-E	The URLLink request contains both the objectID and linkedID parameters.	Either objectID or linkedID must be specified, but not both.
KAIC07305-E	The objectID in the URLLink request does not reference a known storage system.	Check the specified storage system.
KAIC07306-E	The URLLink acquired from the SMI-S Enabled storage system cannot be deleted.	Revise the URLLink specification.
KAIC07307-E	The object specified for *parameter* cannot be found.	Revise the URLLink specification.
KAIC07308-E	Device Manager does not support URLLink operations for specified Device Manager objects.	Revise the URLLink specification.
KAIC07309-E	The request failed. "All Resources" is not specified for "groupName".	Review the specified user groups.
KAIC07310-E	The host is not specified for performance data acquisition.Specify the host for	None.

Message ID	Message Text	Description
	the property "server.cim.agent" in the "server.properties" file, restart Device Manager Server, and the retry the operation.	
KAIC07311-E	Device Manager does not manage the specified host "*Host name*".	Add the specified Host, and the retry.
KAIC07312-E	The Port parameter and LogicalUnit parameter cannot be specified at the same time.	Revise the specification, and then retry the operation.
KAIC07313-E	Neither the Port parameter nor the LogicalUnit parameter is specified.	Revise the specification, and then retry the operation.
KAIC07314-E	The specified storage system does not support performance data acquisition, or the necessary microcode version is not installed.	Revise the specification, and then retry the operation.
KAIC07315-E	The specified range of LogicalUnit (from "*Lower value for LU range*" to "*Upper value for LU range*") is invalid.	Revise the specified parameters, and then retry the operation.
KAIC07316-E	Only one *element* element can be specified for the specified storage system.	Revise the element specification, and then retry the operation.
KAIC07317-E	For the *parameter* parameter, only one *element* element can be specified.	Revise the request, and then retry the operation.
KAIC07318-E	This operation cannot be performed because the specified user is assigned to multiple user groups.	This operation cannot be executed because the user is assigned to multiple user groups.
KAIC07319-E	This operation cannot be performed because the specified user is not assigned to the Built-in user group.	This operation cannot be executed because the user is not assigned to the Built-in user group.
KAIC07320-E	The specified storage system is not supported the DF series Performance retrieval function.	Check the specified Parameter, and then retry.
KAIC07321-E	The specified label (*label*) is invalid. Specify a label by using *maximum label length* bytes or less.	Revise the specified label, and then retry the operation.
KAIC07322-E	The specified label "*label*" is invalid because an empty string cannot be specified as a label.	Revise the label, and then try again.
KAIC07323-E	The specified label (*label*) is invalid. The label includes one or more invalid characters.	Revise the specified label, and then retry the operation. The following characters can be used for labels: `A-Z a-z 0-9 ~ ` ! @ # $`

Message ID	Message Text	Description
		% ^ & ( ) _ + - = { } [ ] ' . and spaces.
KAIC07324-E	The same LDEV is specified by more than one element.	Revise the LDEV specification, and then try again.
KAIC07325-E	The specified LDEV already has a label.	Revise the LDEV specification, and then try again.
KAIC07326-E	The targetID parameter of ObjectLabel is missing.	The targetID parameter of ObjectLabel is required. Specify the missing parameter, and then try again.
KAIC07327-E	The label parameter of ObjectLabel is missing.	The label parameter of ObjectLabel is required. Specify the missing parameter, and then try again.
KAIC07328-E	The specified LDEVs belong to more than one storage system.	Revise the LDEV specification, and then try again.
KAIC07329-E	Unable to change the user role. The specified user may be in an invalid state. Delete the user account, and then create it again.	Delete the user account, and then create it again.
KAIC07330-E	A parameter is invalid. The "groupName" attributes of the User element cannot be specified.	Revise the request, and then try again.
KAIC07331-E	The host storage domain (portID = "*port ID*", domainNickname = "*domain nickname*") cannot be found in the Device Manager database.	Revise the host storage domain specification.
KAIC07332-E	Invalid parameters: domainID and domainNickname cannot be specified at the same time.	Check and, if necessary, revise the parameters.
KAIC07333-E	Invalid parameters: domainNickname and WWN cannot be specified at the same time.	Check and, if necessary, revise the parameters.
KAIC07334-E	Invalid parameters: *parameter* and *parameter* cannot be specified at the same time. (element=*element*)	Check and, if necessary, revise the parameters.
KAIC07335-E	A required parameter is not specified. (element=*element*, parameter=*parameter*)	Check and, if necessary, revise the parameters.
KAIC07336-E	Invalid parameters were specified. The attribute "*parameter*" of the element "*element*" and element "*element*" cannot be specified at the same time.	Check and, if necessary, revise the parameters.

Message ID	Message Text	Description
KAIC07337-E	The command option *option-name* cannot be specified for hosts of the type *host-type*.	Revise the specified host.
KAIC07338-E	This operation cannot be performed because the specified pair belongs to a Consistency Group.	If you want to add a pair, select a different Snapshot Group. Otherwise, use the management tool that was used when adding the specified pair.
KAIC07340-E	The command cannot be executed because the specified LDEV "*Device number*" is part of a LUSE.	Revise the LDEV specification.
KAIC07341-E	In Device Manager, the volume (devNum = "*Device number*") used by *PP Name (Dynamic Provisioning)* cannot be resized.	Revise the LU specification.
KAIC07342-E	The specified capacity of LU "*Device number*" is invalid. Specify a capacity smaller than the current capacity.	Revise the capacity specification, and then re-execute the command.
KAIC07343-E	The drive type of the specified parity group"*Drive type*" differs from parity group"*Drive type*" to which DM-LU belongs.	Revise the parity group specification so that the number of drive types is less than one kind.
KAIC07344-E	The form factor of the specified parity group"*Form factor*" differs from parity group"*Form factor*" to which DM-LU belongs.	Revise the specification, and then try again.
KAIC07345-E	The DM-LU cannot expand.Extended to reach the maximum number of DM-LU.	Revise the specification, and then try again.
KAIC07346-E	The rpm of the specified parity group"*rpm*" differs from parity group"*rpm*" to which DM-LU belongs.	Revise the specification, and then try again.
KAIC07347-E	The DM-LU cannot be expanded. The encryption status of the specified parity group differs from the parity group to which the DM-LU belongs.	Revise the specified parity group, and then try again.
KAIC07348-E	This operation cannot be performed because the specified pair(P-VOL :*P-VOL Device number*, S-VOL :*S-VOL Device number*) does not belong to a Snapshot Group.	Specify a Snapshot Group.
KAIC07349-E	This command cannot be processed, because command device authentication mode is	Check the LU.

Message ID	Message Text	Description
	already enabled for the specified LU.	
KAIC07350-E	The LUSE Feature is not available for the storage system.	The storage system does not support LUSE functionality. Check the specified storage system.
KAIC07351-E	All the LDEVs that make up a LUSE must have the same "*attribute-name*". The requested "*attribute-name*" of the LDEVs is "*value1*" (devNum = "*Device number*") and "*value2*" (devNum = "*Device number*").	For the LDEVs that make up a LUSE, specify LDEVs that have the same "type".
KAIC07352-E	In this API version, LDEVs that constitute a LUSE cannot be specified in LUSE creation.	Check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC07353-E	The specified LDEV "*LDEV-identifier (devNum)*" is a reserved volume of *PP Name (VolumeMigration)*. This LDEV cannot be used in a LUSE.	Revise the specifications for the LDEVs that make up the LUSE, and then try again.
KAIC07354-E	The LDEV "*LDEV-identifier (devNum)*" currently exists as an LUN. This LDEV cannot be used in a LUSE.	Revise the specifications for the LDEVs that make up the LUSE.
KAIC07355-E	This command cannot be processed, because command device authentication mode is already disabled for the specified LU.	Check the LU.
KAIC07356-E	The number of LDEVs for the LUSE (devNum = "*Device number*") must be between "*minimum-number-of-LDEVs*" and "*maximum-number-of-LDEVs*".	Revise the specified number of LDEVs to be created for the LUSE.
KAIC07357-E	Response data not found for Transport Layer.	Contact the Support Center.
KAIC07358-E	The specified LDEV "*LDEV-identifier (devNum)*" is a RAID 0 LDEV. RAID 0 LDEVs cannot be used to create a LUSE.	Revise the specifications for the LDEVs that make up the LUSE.
KAIC07359-E	The microcode version of the storage system is insufficient for the requested LUSE operation. The microcode version is "*microcode-version*".	Check the version of the software contained in the storage system.
KAIC07360-E	The LUSE cannot be created because the specified LDEVs (devNum = "*Device number*" and	Check and, if necessary, revise the specifications of the LDEVs that make up the LUSE.

Message ID	Message Text	Description
	devNum = "*Device number*") have different default controllers.	
KAIC07361-E	For Device Manager, the LDEV "*devNum-of-LDEV*" must be the representative LDEV in LUSE operations using the microcode "*microcode-version*" of this storage system.	Revise the specifications for the LDEVs that make up the LUSE.
KAIC07362-E	The size of a created LUSE (devNum = "*Device number*") must be less than "*max-size-of-LUSE*TB". The specified size is "*size-of-LUSE*KB".	Check and, if necessary, revise the specifications of the LDEVs that make up the LUSE.
KAIC07363-E	A logical unit that has a LUSE defined cannot be deleted. The LUSE must be deleted before deleting the logical unit.	LUSE must be deleted before deleting LDEV.
KAIC07364-E	The LUSE cannot be created because the emulation type of a specified LDEV (devNum = "*Device number*") is not OPEN.	Check and, if necessary, revise the LDEV specification.
KAIC07365-E	An attempt to delete pairs has failed.	If this problem persists, contact the Support Center.
KAIC07366-E	The LUSE cannot be created because the drive types of the specified LDEVs (devNum = "*Device number*"and devNum = "*Device number*") are different.	Check and, if necessary, revise the specifications of the LDEVs.
KAIC07367-E	The specified LDEV "*Device number*" is being used for *PP Name (Dynamic Provisioning)*, and cannot be used for a LUSE.	Revise the LDEV specification.
KAIC07368-E	The LUSE cannot be created. The specified LDEVs (devNum = "*Device number*" and devNum = "*Device number*") belong to parity groups of different form factors. Create a LUSE by using LDEVs whose parity groups are the same form factor.	Specify the LDEVs again, verifying that the LDEVs to be combined belong to parity groups of the same form factor.
KAIC07369-E	The specified snapshot group name is not displayed because it was not found in the Device Manager database, or it does not belong to a pair managed by the specified host.	Revise the settings of the snapshot group, and then try again, or use the `GetStorageArray` command to get the snapshot group information.
KAIC07370-E	The specified storage system ("*array-type*", "*serial-number (Secret)*") is not an object of Device Manager management.	This is an information message only. No additional action is required.

Message ID	Message Text	Description
KAIC07371-E	The pool name "*pool-name*" is invalid. Specify a pool name that is *maximum-length-of-pool-name* bytes or fewer.	Revise the pool name, and then try again.
KAIC07372-E	The pool name "*pool-name*" is invalid. The pool name contains one or more invalid characters.	Revise the pool name, and then try again.
KAIC07373-E	The specified pool name is invalid. Specify a pool name that is no more than *maximum-length-of-pool-name* bytes.	Revise the specified pool name, and then retry the operation.
KAIC07374-E	The specified pool name (*pool-name*) is in use by another pool (pool ID = *pool-ID*). Specify another pool name, and then retry the operation.	Specify another pool name, and then retry the operation.
KAIC07375-E	Command option 2 (*command-option-name*) cannot be specified for the storage system to which the specified LDEV belongs. Revise the storage system to which the specified LDEV belongs and the command option, and then retry the operation.	Revise the storage system to which the specified LDEV belongs and the command option, and then retry the operation.
KAIC07376-E	Command option 2 (*command-option-name*) cannot be specified for the storage system to which the specified pool belongs. Revise the storage system to which the specified pool belongs and the command option, and then retry the operation.	Revise the storage system to which the specified pool belongs and the command option, and then retry the operation.
KAIC07377-E	The label of an LDEV (DevNum = *DevNum*) acquired from the storage system was not refreshed because the label contains one or more invalid characters. Use Element Manager to check the LDEV label. Change the labels, as necessary.	Use Element Manager to check the LDEV label. Change the labels, as necessary. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .
KAIC07378-E	A pool name (pool ID = *pool-ID*) acquired from the storage system was not refreshed because the pool name contains one or more invalid characters. Use Element Manager to check the pool name. Change the pool names, as necessary.	Use Element Manager to check the pool name. Change the pool names, as necessary. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .
KAIC07379-E	Command option (*command-option-name*) cannot be specified for the storage system. Revise	Revise the command option, and then retry the operation.

Message ID	Message Text	Description
	the specified command option, and then retry the operation.	
KAIC07380-E	Invalid parameter: "*element*", "*invalid-parameter*"	Check that all of the required parameters of the element are specified. If a parameter is missing, specify the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC07381-E	An invalid value was specified in the ConfigurationChange element's type attribute. "*type attribute*"	Check the value of the ConfigurationChange element's `type` attribute.
KAIC07382-E	The label of the target LDEV (DevNum = *DevNum*) cannot be applied to the storage system because it contains an invalid character. Change the label.	Change the label. Valid characters are `A-Z`, `a-z`, `0-9`, the space character, and the following characters: `~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .`
KAIC07383-E	The label of the target LDEV (DevNum = *DevNum*) cannot be applied to the storage system because it is too long. Change the label so that it is *maximum-length-of-label* bytes or less.	Change the label.
KAIC07384-E	The pool name of the target pool (pool ID = *pool-ID*) cannot be applied to the storage system because it contains an invalid character. Change the pool name.	Change the pool name. Valid characters are `A-Z`, `a-z`, `0-9`, the space character, and the following characters: `~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .`
KAIC07385-E	The pool name of the target pool (pool ID = *pool-ID*) cannot be applied to the storage system because it is too long. Change the pool name so that it is *maximum-length-of-pool-name* bytes or less.	Change the pool name.
KAIC07386-E	The operation is not possible because the specified LDEV (*LDEV-identifier (devNum)*) was not found in the Device Manager database.	Revise the specification, and then try again.
KAIC07387-E	The operation is not possible because a virtual ID is already set to the specified LDEV (*LDEV-identifier (devNum)*).	Revise the specification, and then try again.
KAIC07388-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is a pool volume.	Revise the specified volume, and then try again.

Message ID	Message Text	Description
KAIC07389-E	A pool necessary to create the specified pair does not exist in the storage system. (serial number = "*serial-number*", pool ID = "*pool-ID*")	Check the requirements of the pool to be used for creating a pair, and then do either of the following: • Create the pool described in the message. • Specify a pool that exists in the storage system.
KAIC07390-E	The specified storage system does not support secure communication.	Revise the request, and then try again.
KAIC07391-E	An attempt to execute a request has failed. The specified communication protocol is invalid.	Revise the request, and then try again.
KAIC07392-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is a journal volume.	Revise the specified volume, and then try again.
KAIC07393-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is part of a LUSE.	Revise the specified volume, and then try again.
KAIC07394-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) has an LU path.	Revise the specified volume, and then try again.
KAIC07395-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is a command device.	Revise the specified volume, and then try again.
KAIC07396-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is not an open volume.	Revise the specified volume, and then try again.
KAIC07397-E	The operation is not possible because the emulation type of the volume (*LDEV-identifier (devNum)*) is not *emulation-type*.	Revise the specified volume, and then try again.
KAIC07398-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is in the process of data migration that uses virtual IDs. Revise the specified volume or finish the data migration that uses virtual IDs, and then try again.	Revise the specified volume or finish the data migration that uses virtual IDs, and then try again.
KAIC07399-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) belongs to a	Specify the volume that belongs to the resource group (ID: 0) in the storage system or delete the specified volume from the

Message ID	Message Text	Description
	resource group (*resource group ID*) in the storage system.	resource group used by Element Manager, and then refresh the storage system and retry the operation.
KAIC07400-E	An error occurred during an update of information received from software linked with Device Manager. There might be a problem in the environment of that software. Detailed information: "*detailed-information*"	Revise the environment of the software linked with Device Manager, and then retry the operation.
KAIC07401-E	The host IP address could not be resolved.	Revise the host agent settings and the host environment. If the problem persists, contact the Support Center.
KAIC07402-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) does not belong to the specified resource group (*resource group ID*).	Revise the specified volume, and then try again.
KAIC07403-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) belongs to neither the resource group *resource group ID* nor the target resource group *resource group ID* in the storage system.	Revise the specified volume, and then try again.
KAIC07404-E	The operation is not possible because the virtual LDEV (*virtual LDEV-identifier(vdevNum)*) is already allocated to a resource group used for data migration that uses virtual IDs.	Revise the specified virtual LDEV, and then try again.
KAIC07405-E	The specified storage system does not support creation of encrypted pools.	Revise the request, and then try again.
KAIC07406-E	The specified storage system does not support creation of encrypted parity groups.	Revise the request, and then try again.
KAIC07407-E	The specified physical drive (*PDEV ID*) is encrypted. Revise the request, and then try again.	Revise the request, and then try again.
KAIC07408-E	The LUSE cannot be created because the encryption statuses of the specified LDEVs (devnum = "*LDEV ID(devNum)*" and devnum = "*LDEV ID(devNum)*") are different.	Revise the specified LDEVs.
KAIC07409-E	The Snapshot Group name is invalid. Specify no more than 32	Revise the entered Snapshot Group name.

Message ID	Message Text	Description
	characters for the name, using only the following characters: 0-9 a-z A-Z , - . / : @ \ _	
KAIC07410-E	An attempt to update the host information has failed. Another operation that updates the host information is already being executed.	Try to refresh the host information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07411-E	An attempt to update the host information has failed. Another operation that sets up the host is being executed.	Try to refresh the host information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07412-E	An attempt to update the host information has failed. Another operation is accessing the host information.	Try to refresh the host information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07413-E	An attempt to update the host information was interrupted.	The Device Manager server might be shutting down. Check the status of the Device Manager server, and then retry the operation.
KAIC07414-E	The specified host "*host-name*" cannot be deleted because the host type of that host is "External port".	Revise the host specification.
KAIC07415-E	The WWNs of the specified host "*host-name*" cannot be changed because the host type of that host is "External port".	Revise the host specification.
KAIC07416-E	The AddHostRefresh operation is not supported for a host whose host type is "*host-type*".	Revise the host specification.
KAIC07417-E	The file server information "*the-information-attempted-to-be-changed*" cannot be changed.	Revise the specified host.
KAIC07418-E	You cannot set an iSCSI name for the specified host "*host-name*", because the host is a virtualization server.	Please try again by not setting an iSCSI name, or change the specified host.

Message ID	Message Text	Description
KAIC07419-E	You cannot set the OS Name of the specified host "*host-name*", because the host is a virtualization server.	Please try again without specifying the OS name, or change the specified host.
KAIC07420-E	WWNs cannot be added to a mainframe host.	Revise the host specification.
KAIC07421-E	The specified host type "*host-type*" is invalid.	Revise the host type specification.
KAIC07422-E	This API cannot modify information of the specified host "*host-name*".	Revise the host specification.
KAIC07423-E	The host "*host-name*" cannot be merged because its host type is "*host-type*" and managedby is "*managedby*".	Please try again by changing the host of support for the specified host.
KAIC07424-E	The host "*host-name*" does not have a WWN or iSCSI name.	Revise the host specification.
KAIC07425-E	The host "*host-name-or-objectID*" is specified more than once.	Revise the host specification.
KAIC07426-E	The same host is specified for the target and source hosts.	Revise the host specification.
KAIC07427-E	An attempt to update the cluster information has failed. Another operation that updates the cluster information is already being executed.	Try to refresh the cluster information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07428-E	An attempt to update the cluster information has failed. Another operation that sets up the cluster is being executed.	Try to refresh the cluster information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07429-E	An attempt to update the cluster information has failed. Another operation is accessing the cluster information.	Try to refresh the cluster information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07430-E	An attempt to update the cluster information was interrupted.	The Device Manager server might be shutting down. Check the status of the Device Manager

Message ID	Message Text	Description
		server, and then retry the operation.
KAIC07431-E	The WWN "*WWN*" is already in use by host "*host-name*". If you want to use this WWN on the specified host, please run again specify the "takeOverWWN" option.	Specify another WWN or specify the "`takeOverWWN`" option, and then try again.
KAIC07432-E	If you want to change the virtualization server host to the specified host "*host-name*", you must remove the iSCSI name.Please run again specify the ISCSINameDiscard option.	Specify the "`iSCSINameDiscard`" option, or choose another host, and then try again.
KAIC07433-E	A host that is not a virtualization server was detected for the specified IP address (*IP-address*).	Revise the host specification, and then try again.
KAIC07434-E	The AddHostRefresh command cannot be executed for virtualization servers in this API version.	Use a version of the API that supports the command.
KAIC07435-E	The information regarding the specified virtualization server is inconsistent. Refresh the virtualization server, and then retry the operation.	Refresh the virtualization server, and then retry the operation.
KAIC07436-E	The specified virtualization server is currently being refreshed. Wait a while, and then retry the operation.	Wait a while, and then retry the operation.
KAIC07437-E	The host update feature is not supported on the virtualization servers that have been manually added.	The target host does not support the refreshing of hosts, no additional action is required
KAIC07438-E	When you specify a virtualization server as the target host, iSCSI names that belong to the source host must be discarded because virtualization servers do not support iSCSI.Please run again specify the ISCSINameDiscard option.	Please run again specify the `ISCSINameDiscard` option.
KAIC07439-E	The host"*host-name*" does not have a WWN.	Specify another host or WWN and try again.
KAIC07440-E	An internal server error was encountered. An attempt to create the replication information has failed.	Contact the Support Center.

Message ID	Message Text	Description
KAIC07441-E	An internal server error was encountered. The LogicalUnit that the host agent specifies was not found in the database.	Perform a refresh on storage system ("*array-type*", "*serial-number*") or check the status of host agent.
KAIC07442-E	The specified CLPR-number "*CLPR-number*" cannot be used , because it is already assigned to this volume.	Specify another CLPR number, and then try again.
KAIC07443-E	The specified destination CLPR-number "*CLPR-number*" does not exist in the storage system.	Specify another CLPR number, and then try again.
KAIC07444-E	Device Manager does not support assigning a CLPR number for an allocated volume (DevNum = *DevNum*). Please use Element Manager or Storage Navigator.	Assign a CLPR number by using Storage Navigator or Element Manager, and then retry the operation.
KAIC07445-E	Invalid parameters: CLPR-number and other modify parameters cannot be specified at the same time.	Specify the required parameters, and then try again.
KAIC07446-E	A parameter is not specified. Specify one of the following attributes: "*attribute-name-1*".	Specify the required parameters, and then try again.
KAIC07447-E	Because user authentication on the command device in the storage system to be operated has not been performed, the operation failed. ("*model*", "*serial number*")	Perform user authentication for the command device, and then try again.
KAIC07448-E	Because user authentication to the command device is invalid, the operation failed. ("*model*","*serial number*")	Enable user authentication for the command device, and then try again.
KAIC07449-E	An error occurred during a pair operation. (error details: "*error-details*")	If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to provide troubleshooting information.
KAIC07450-E	An internal server error was encountered. An attempt to acquire LogicalUnit information that is P-VOL or S-VOL has failed.	Contact the Support Center.
KAIC07451-E	A required parameter is not specified to set up the command device.	Specify the required parameters, and then try again.
KAIC07452-E	An internal server error was encountered. An attempt to	Contact the Support Center.

Message ID	Message Text	Description
	acquire information to access the host agent has failed.	
KAIC07453-E	An internal server error was encountered. An error occurred during the search for host agent(s) that will be accessed. Port "*port-number*" does not exist.	Contact the Support Center.
KAIC07454-E	An internal error occurred.	Contact the Support Center.
KAIC07455-E	Execution of the request failed. To specify multiple pairs, you must specify all pair volumes for a single instance either by virtual IDs or by physical IDs. (instance number "*instance-number*" on host "*host-name*")	Check and, if necessary, revise the parameter specified when the copy pair was created. Use a single instance for virtual IDs only, and another instance for physical IDs only. Then use one of the following methods when specifying the parameter: • For a single instance, specify all pair volumes by using virtual IDs. • For a single instance, specify all pair volumes by using physical IDs.
KAIC07456-E	An attempt to operate "*open-or-close*" on host agent server "*URL-of-host-agent*" has failed. The response from the host agent was "*response-from-host-agent*".	Confirm the status of host agent. If there are no problems with the host agent, contact the Support Center.
KAIC07457-E	An error occurred during communicating with the host agent "*URL-of-host-agent*".	Check the host agent and the status of the network connection between Device Manager Server and host agent. If this problem persists, contact the Support Center.
KAIC07458-E	An internal server error was encountered. An attempt to create a request to the host agent has failed. The POST request of HTTP cannot be performed.	Contact the Support Center.
KAIC07459-E	An attempt to resolve the IP address of host agent Server has failed.	Check that the IP address of host agent is valid.
KAIC07460-E	The accessed host "*host-name*" is different from the host "*host-name*" registered in Device Manager.	Check that the host name and the IP address of the host agent in Device Manager are valid.
KAIC07461-E	An attempt to execute a request for the host agent has failed. (error details = "*error-message*")	Check the host agent and the status of the network connection between Device Manager Server and host agent. If this problem

Message ID	Message Text	Description
		persists, contact the Support Center.
KAIC07462-E	The version of the host agent on host "*host-name*" is "*installed-version-host-agent*". However, version "*required-version*" or later of the host agent is required to execute the service.	Check the host agent on the host.
KAIC07463-E	The Data Placement Profile cannot be executed because the volume configuration (DevNum = *DevNum*) has changed. Update the Data Placement Profile.	Update the Data Placement Profile.
KAIC07464-E	The Data Placement Profile (*Data-Placement-Profile-name*) is in a state that prevents execution of the specified operation. Check the status of the Data Placement Profile.	Check the status of the Data Placement Profile.
KAIC07465-E	An operation using the Data Placement Profile (*Data-Placement-Profile-name*) is being executed. After the operation finishes, try again.	After the operation being executed finishes, try again.
KAIC07466-E	An unexpected error occurred while executing a Data Placement Profile operation.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07467-E	The storage system (*storage-system-name*) containing the specified volume does not support data placement profile operations. Check the storage system type and microcode version.	Check the storage system type and microcode version.
KAIC07468-E	Execution of the request failed. The pair operation for which physical IDs were specified cannot be performed, because HORCM_VCMD is defined in the specified configuration file. (instance number "*instance-number*" on host "*host-name*")	For a configuration file in which HORCM_VCMD is defined, you cannot define a volume that is not on a virtual storage machine.
KAIC07469-E	Execution of the request failed. The pair operation for which virtual IDs were specified cannot be performed, because HORCM_VCMD is not defined in the specified configuration file.	For a configuration file in which HORCM_VCMD is not defined, you cannot define a volume that is on a virtual storage machine.

Message ID	Message Text	Description
	(instance number "*instance-number*" on host "*host-name*")	
KAIC07470-E	An attempt to execute the request has failed. Execute the request again.	If this problem persists, contact the Support Center.
KAIC07471-E	An attempt to update the information for the displayed list has failed.	If this problem persists, contact the Support Center.
KAIC07472-E	The storage system information ("*storage system-name*") is inconsistent. Refresh the storage system, and then try again.	Refresh the storage system, and then try again.
KAIC07473-E	The storage system information ("*storage system-name*") is being updated. Wait a while, and then perform the operation again.	Wait a while, and then perform the operation again.
KAIC07474-E	The value of the "*attribute-name*" parameter is outside the valid range from "*minimum-value*" to "*maximum-value*".	Specify a valid value.
KAIC07475-E	The sum of startElementNum and numOfElements is outside the valid range from "*minimum-value*" to "*maximum-value*".	Specify a valid value.
KAIC07476-E	The "*attribute-name*" parameter is missing in the requested "*element-name*" element.	Check whether the requested element has all the necessary parameters. If there are any missing parameters, specify them and then re-execute the command.
KAIC07477-E	Memory for the Device Manager server became insufficient while this operation was being performed.	If the command you executed is Add, Modify, or Delete, take the following action: (1) Use the following procedure to check the status of the operation: 1. Increase the memory heap size for the Device Manager server. 2. If the command was executed for a storage system or host, refresh the information of the storage system or host. 3. Check the status of the operation. (2) If necessary, perform the operation again. If the command you executed is Get, take the following action:

Message ID	Message Text	Description
		(1) Use the following procedure to perform the operation again: 1. Restart the Device Manager server. 2. Do either of the following: - Increase the memory heap size for the Device Manager server, and then perform the operation again. - Reduce the amount of information to be collected, and then perform the operation again.
KAIC07478-E	An internal error occurred while registering a temporary user for the storage system.	Contact the Support Center.
KAIC07479-E	The value of Over Provisioning Percent Alert Notice is outside the valid range from "*minimum-value*" to "*maximum-value*".	Specify a valid value.
KAIC07480-E	ISCSINames cannot be added to a mainframe host.	Revise the host specification.
KAIC07481-E	The specified ISCSIName "*ISCSIName*" is invalid because it exceeds the maximum length *maximum-length-of-ISCSIName* bytes.	Revise the specified ISCSIName, and then retry the operation.
KAIC07482-E	The specified ISCSIName "*ISCSIName*" is invalid because it contains an invalid character.	Revise the specified iSCSI name, and then retry the operation.
KAIC07483-E	The portWWN and portISCSIName parameters are both specified in the request.	Specify either the portWWN or the portISCSIName parameter, but not both.
KAIC07484-E	An iSCSI name cannot be specified because the host storage domain is associated with a Fibre Channel or FCoE port.	Specify a host storage domain associated with an iSCSI port.
KAIC07485-E	The specified ISCSIName is invalid.	Revise the request, and then retry the operation.
KAIC07486-E	A WWN cannot be specified because the host storage domain is associated with an iSCSI port.	Specify a host storage domain associated with a Fibre Channel or FCoE port.
KAIC07487-E	The specified domain type "*domain-type*" is invalid.	Revise the domain type specification.
KAIC07488-E	ISCSINames are invalid on this storage system.	Revise the storage system specification.

Message ID	Message Text	Description
KAIC07489-E	The following parameter is not specified: ISCSIName "iSCSIName".	Specify the ISCSIName, and then retry the operation.
KAIC07490-E	The ISCSIName "*ISCSIName*" does not exist in the Device Manager database.	Revise the request, and then retry the operation.
KAIC07491-E	The specified ISCSIName "*ISCSIName*" cannot be used because it is already being used for another ISCSIName on the same HostStorageDomain.	Specify an ISCSIName that is not already being used on the same HostStorageDomain, and then retry the operation.
KAIC07492-E	The Fibre Channel port attribute and the iSCSI port attribute cannot be specified at the same time.	Revise the request, and then retry the operation.
KAIC07493-E	iSCSI port attributes cannot be specified for Fibre Channel or FCoE ports.	Specify Fibre Channel or FCoE port attributes.
KAIC07494-E	The Fibre Channel port attribute cannot be specified for an iSCSI port.	Revise the request, and then retry the operation.
KAIC07495-E	The port must be Fibre Channel or FCoE.	Specify a Fibre Channel or FCoE port.
KAIC07496-E	The ISCSIName of the specified host "*host-name*" cannot be changed because the host is on an external port.	Revise the host specification.
KAIC07497-E	The specified nickname "*nickname*" is invalid for the specified ISCSIName "*ISCSIName*".	Revise the request, and then retry the operation.
KAIC07498-E	The ISCSIName "*ISCSIName*" is already being used by the host "*host-name*".	Revise the ISCSIName specification.
KAIC07499-E	The host "*host-name*" cannot be deleted because it includes an ISCSIName used for an LUN.	Delete the LUN security, and then delete the host.
KAIC07500-E	You cannot perform operations on the specified snapshot group at the snapshot-group level because it contains one or more pairs for which no secondary volume is assigned. Specify primary and secondary volumes to perform operations at the pair level.	Specify primary and secondary volumes to perform operations at the pair level. To perform operations on pairs for which no secondary volume is assigned, use the storage system management tool.
KAIC07501-E	An error occurred while the fabric information was being acquired.	Contact the Support Center.

Message ID	Message Text	Description
KAIC07502-E	An error occurred while the fabric information was being acquired.	Contact the Support Center.
KAIC07503-E	Only one instance of this command can be executed at one time.	Wait a while, and then try again.
KAIC07504-E	The LUN Management option of the specified storage system is not enabled.	Check the option list of the storage system.
KAIC07505-E	The host information in the Device Manager database has been updated. Other update processing might have been executed while Host Scan was executing.	Make sure that other update processing is not executing, and then retry Host Scan. If this problem persists, contact the Support Center.
KAIC07506-E	Host Scan was not executed because no target storage system was found.	This is an informational message only. No additional action is required.
KAIC07507-E	The host information in the Device Manager database has been updated. Other update processing might have been executed while hosts were being merged.	Make sure that no other update processing is being executed, and then try to merge the hosts again. If this problem persists, contact the Support Center.
KAIC07508-E	The request cannot be executed. Multiple pairs for one P-VOL of "*PP-Name*" must use the same pool.	Revise the request and retry. Specify the same pool ID.
KAIC07509-E	A required parameter is not specified. To execute this command, the parameters required to set up the DM-LU or the command device must be specified.	Specify the required parameters, and then try again.
KAIC07510-E	The configuration of purchasable optional features on the storage system might have changed.	Refresh the storage system, and then try again.
KAIC07511-E	No more users can be registered because the maximum number of users has already been registered in the specified storage system.	Delete unnecessary users from the storage system, and then retry the operation.
KAIC07512-E	A user ID that is the same as the temporary user ID is already registered in the storage system.	Delete the already registered user ID from the storage system, and then retry the operation.
KAIC07513-E	The *element-name* (*attribute-name*="*attribute-value*") is specified more than once.	Revise the *element-name* specification.
KAIC07514-E	The poolID "*poolID*" is already being used in the storage system.	Revise the poolID specification, and then retry the operation.

Message ID	Message Text	Description
KAIC07515-E	The *element-name* (*attribute-name*="*attribute-value*") was not found in the Device Manager database.	Revise the *element-name* specification.
KAIC07516-E	The specified operation cannot be executed because the value of the attribute *attribute-name* (*attribute-value*) is the value of the attribute *attribute-name* (*attribute-value*) or more.	Revise the *attribute-name* and *attribute-name* specifications, and then retry the operation.
KAIC07517-E	The *element-name* specification is invalid. The drive types of all *element-name*s in one pool must be the same.	Revise the *element-name* specification, and then retry the operation.
KAIC07518-E	The specified operation cannot be executed because the status of the *element-name* (*attribute-name*="*attribute-value*") is *status*.	Recover the status of *element-name*, and then retry the operation.
KAIC07519-E	The capacity "*capacity*" is invalid. Specify a value from *minimum-value* to *maximum-value*.	Revise the capacity specification, and then retry the operation.
KAIC07520-E	The specified operation cannot be executed for an array group that consists of *PP-Name* pool.	Revise the array group specification.
KAIC07521-E	The RAID level "*RAID-level*" cannot be specified for this operation.	Revise the RAID level specification, and then retry the operation.
KAIC07522-E	The combination of RAID level and the number of PDEVs is invalid.	Revise the RAID level and the number of PDEVs, and then retry the operation.
KAIC07523-E	The selected number of PDEVs does not match the pool combination (function="*PP-name*", poolID = "*poolID*").	Revise the PDEV specification, and then retry the operation.
KAIC07524-E	The command option "*option-name*" has not been specified.	Specify the command option "*option-name*".
KAIC07525-E	The specified command option "*option-name*" is invalid.	Check and, if necessary, specify a different command option, and then retry the operation.
KAIC07526-E	The specified capacity of *element-name* (*attribute-name*="*attribute-value*") is invalid. Specify the capacity more than the current capacity.	Check and, if necessary, specify a different capacity, and then retry the operation.
KAIC07527-E	The specified operation cannot be executed because the pool (pool ID="*pool-ID*") is blocked.	Unblock the pool, and then retry the operation.

Message ID	Message Text	Description
KAIC07528-E	"*option-name*" has not been specified for command option 2.	Specify "*option-name*" for command option 2.
KAIC07529-E	The specified operation cannot be executed because status in pool (poolID="*pool-ID*") is not "Normal".	Recover from the pool status, and then retry the operation.
KAIC07530-E	The Over Provisioning Warning Threshold is outside the valid range. The valid range is from *minimum-value* to *maximum-value*.	Revise the Over Provisioning Warning Threshold, and then try again.
KAIC07531-E	The Over Provisioning Limit Threshold is outside the valid range. The valid range is from *minimum-value* to *maximum-value*.	Revise the Over Provisioning Limit Threshold, and then try again.
KAIC07532-E	The Over Provisioning Percent of the specified pool "*pool-ID*" has already exceeded the Over Provisioning Limit Threshold.	Revise the pool specification, and then retry the operation.
KAIC07533-E	Upon executing this command, the Over Provisioning Percent of the specified pool "*pool-ID*" will exceed the Over Provisioning Limit Threshold.	Revise the size and number of virtual volumes that will be created or changed, and then retry the operation.
KAIC07534-E	The specified operation cannot be executed because the Over Provisioning Warning Threshold (*attribute-value*) is greater than or equal to the Over Provisioning Limit Threshold (*attribute-value*).	Revise the Over Provisioning Warning Threshold and the Over Provisioning Limit Threshold, and then try again.
KAIC07535-E	"*option*" cannot be specified as a command option.	Revise the command options, and then execute the command again.
KAIC07536-E	This operation cannot be performed because the storage system has not been refreshed.	Refresh the storage system. If this error continues, contact Support.
KAIC07537-E	The drive type and form factor of all PDEVs in a pool must be the same.	Revise the PDEV specification and match the API version to the Device Manager server version. If this error continues, contact Support.
KAIC07538-E	The specified drive type (*Drive type,*) and form factor (*Form factor*) combination is not valid.	Revise the drive type and form factor specifications.
KAIC07539-E	The specified PDEVs are not valid. The drive type and form factor of all PDEVs in the array group must be the same.	Revise the PDEV information to have the same drive type and form factor. In addition, verify that the API version matches the Device Manager server version. If

Message ID	Message Text	Description
		this problem continues, contact Support.
KAIC07540-E	A host is already registered with IP address "*specified IP address*".	Verify the IP address.
KAIC07541-E	The specified Host Data Collector is not registered.	Revise the Host Data Collector specification, and then try again.
KAIC07542-E	A Host Data Collector is already registered with IP address "*specified IP address*".	Verify the IP address.
KAIC07543-E	The Host Data Collector is not registered.	Register the Host Data Collector.
KAIC07544-E	A host with the name "*host name*" is already registered.	Revise the host name.
KAIC07545-E	Host synchronization parameters sent from another product are not supported. Revise the parameters needed for adding and refreshing hosts and then refresh the host.	Revise the parameters and refresh the hosts.
KAIC07546-E	The specified drive (*drive-number*) cannot be used. (role="*role*")	Revise the drive specification.
KAIC07547-E	The Replication Depletion Alert Threshold is exceeded. The valid range is from *minimum-value* to *maximum-value*.	Revise the Replication Depletion Alert Threshold.
KAIC07548-E	The Replication Data Release Threshold is exceeded. The valid range is from *minimum-value* to *maximum-value*.	Revise the Replication Data Release Threshold.
KAIC07549-E	The Replication Depletion Alert Threshold (*attribute-value*) is greater than or equal to the Replication Data Release Threshold (*attribute-value*).	The difference of the Replication Depletion Alert Threshold and the Replication Data Release Threshold must be more than or equal to 6%. Also, the Replication Data Released threshold should be greater than the Replication Deletion Alert Threshold. Revise the specification, and then try again.
KAIC07550-E	The specified IPAddress "*IPAddress*" cannot be used because it is already being used by another port.	Specify an IPAddress that is not being used by another port, and then retry the operation.
KAIC07551-E	The format of the specified IPAddress "*IPAddress*" is invalid.	Specify the IPAddress by using a valid format.
KAIC07552-E	The format of the specified SubnetMask "*SubnetMask*" is invalid.	Specify the SubnetMask by using a valid format.

Message ID	Message Text	Description
KAIC07553-E	The format of the specified DefaultGateway "*DefaultGateway*" is invalid.	Specify the DefaultGateway by using a valid format.
KAIC07554-E	The PortNumber specified for the port is invalid.	Specify a valid PortNumber.
KAIC07555-E	The keepAliveTime specified for the port is invalid.	Specify a valid keepAliveTime.
KAIC07556-E	The specified ISCSIName "*ISCSIName*" cannot be used because it is already being used by another HostStorageDomain on the same port.	Specify an ISCSIName that is not being used by another HostStorageDomains on the same port, and then retry the operation.
KAIC07557-E	The maximum number of ISCSINames ("*maximum-number-of-ISCSINames*") has been exceeded.	No more ISCSINames can be added to the specified port. Delete any unnecessary ISCSINames, and then retry the operation.
KAIC07558-E	The specified nickname "*nickname*" cannot be used because it is already being used by another ISCSIName on the same port.	Specify a nickname that is not being used by another ISCSIName on the same port, and then retry the operation.
KAIC07559-E	Device Manager does not support operations on this storage system. The minimum microcode version is "*version*".	To perform this operation, the microcode version must be updated.
KAIC07560-E	The iSCSI attribute cannot be specified for the Fibre Channel HostInfo.	Revise the request, and then retry the operation.
KAIC07561-E	The Fibre Channel attribute cannot be specified for the iSCSI HostInfo.	Revise the request, and then retry the operation.
KAIC07562-E	The Replication Depletion Alert and Replication Data Release Thresholds cannot be specified for the microcode version of this storage system.	Verify the microcode version of the storage system.
KAIC07563-E	A different value is specified for "pvolPoolID" and "pvolMngAreaPoolID".	Revise the request.
KAIC07564-E	The specified LogicalUnit is already associated with another pool(poolID = "*poolID*").	Verify the pvolPoolID.
KAIC07565-E	An attempt to execute the request has failed. There are no pools in the specified device.	Create a pool, and then try again.

Message ID	Message Text	Description
KAIC07566-E	A different value is specified for "svolPoolID" and "svolMngAreaPoolID".	Revise the request.
KAIC07567-E	The specified operation cannot be executed because the usage rate of the pool (poolID="*poolID*", usage= "*pool-usage-rate*") is the pool threshold (*attribute-name*="*attribute-value*") or more.	Revise the configuration so that the pool usage rate is less than the value of *attribute-name*, and then retry the operation.
KAIC07568-E	This command cannot be processed, because device group definition is already disabled for the specified LU.	Revise the device group definition.
KAIC07569-E	This operation cannot be performed because Device Manager does not support the settings or configuration of the specified pool.	The cause of the problem might be one of the following: • If the depletion threshold is set, the threshold cannot be changed. • If the pool volumes have differing drive types or speeds, the pool cannot be deleted, expanded, or shrunk. • If the pool have RAID level or HDU combination mixed, the pool cannot expanded. • In cases other than the above, the storage system information might be incomplete. Refresh the storage system, and then retry the operation.
KAIC07570-E	The LU "*device number*" cannot be used for a pool volume/journal volume because it is an OnDemand device.	Revise the LU specification, and then try again.
KAIC07571-E	The drive type of all LUs that make up the specified pool must be same.	Revise the drive types of pool volumes, and then try again.
KAIC07572-E	A pool cannot be deleted because one or more V-VOLs exist.	Delete all V-VOLs used by the specified pool, and then try again.
KAIC07573-E	The pool volumes of specified pool cannot be deleted.	Check the storage system functionality.
KAIC07574-E	A journal group cannot be changed or deleted, because it is used by Universal Replicator for Mainframe.	Specify a journal group that is not used by Universal Replicator for Mainframe, and then try again.
KAIC07575-E	The specified LU is not a volume of the specified journal group.	Revise the LU specification, and then try again.

Message ID	Message Text	Description
KAIC07576-E	"*device number*" is an external volume and cannot be used as a pool volume for a "*PP Name (Dynamic Tiering)*" pool.	Specify another volume.
KAIC07577-E	"Data Overflow Watch Time" could not be set, because the value for Inflow Control is "No".	Revise the journal group options, and then try again.
KAIC07578-E	The combination of values specified for "Path Watch Time" and "Unit of Path Watch Time" is invalid.	Revise the values of "Unit of Path Watch Time" and "Path Watch Time", and then try again.
KAIC07579-E	A journal volume cannot be deleted when the delta of the master journal group is "Hold".	Change the status of the pairs that use the journal group, and then retry the operation.
KAIC07580-E	The tier management setting cannot be changed for the specified pool because the pool contains pool volumes that have different drive type or speeds.	Make sure all pool volumes have the same drive type and speed, and then retry the operation.
KAIC07581-E	The LU "*device number*" cannot be used as a pool volume/journal volume because the I/O suppression mode is active.	Revise the LU specification, and then try again.
KAIC07582-E	The LU "*device number*" cannot be used as a pool volume/journal volume because it is a system volume.	Revise the LU specification, and then try again.
KAIC07583-E	Journal volumes cannot be emptied during journal volume deletion.	Revise the LU specification, and then retry the operation.
KAIC07584-E	The specified journal group ID "*journal group ID*" is already used on the storage system by *PP Name (Universal Replicator)*.	Revise the journal group ID specification, and then try again.
KAIC07585-E	Operations cannot be performed for the specified journal group because it does not have any volumes.	Revise the journal group ID specification, and then try again.
KAIC07586-E	The specified pool ID "*poolID*" is an invalid value. The pool ID must be "*value 1*" or "*value 2*".	Revise the pool ID specification, and then try again.
KAIC07587-E	The tier management setting cannot be changed for the specified pool because one or more of the pool volumes is an external volume.	Change the configuration of the specified pool so that its pool volumes do not include any external volumes, and then retry the operation.
KAIC07588-E	When modifying a journal group, you must specify one of the following: a journal group option,	Revise the request, and then retry the operation.

Message ID	Message Text	Description
	a mirror option, or an LU to be modified.	
KAIC07589-E	The specified pool/journal group cannot be added in this API version.	Make sure that the operation is supported in the specified API version.
KAIC07590-E	The specified pool/journal group cannot be deleted in this API version.	Make sure that the operation is supported in the specified API version.
KAIC07591-E	The specified pool/journal group cannot be modified in this API version.	Make sure that the operation is supported in the specified API version.
KAIC07592-E	A parameter is invalid. If you specify "Path Watch Time" or "Unit of Path Watch Time", you must specify both of them at the same time.	Specify both "Path Watch Time" and "Unit of Path Watch Time".
KAIC07593-E	The specified pool is invalid.	Revise the pool ID specification, and then try again.
KAIC07594-E	A pool was not expanded and its attributes were not changed because an LU for expanding the pool or pool attributes were not specified.	Specify an LU for expanding the pool or pool attributes, and then retry the operation.
KAIC07595-E	An attempt to execute the request has failed. The emulation types of the specified volumes are a combination of "*emulation type1*" and "*emulation type2*".	For the source and target volumes, specify volumes that have the same emulation type.
KAIC07596-E	The storage system information ("*storage-system-name*") is incomplete. Refresh the storage system, and then try again.	Refresh the storage system, and then try again.
KAIC07597-E	A pool cannot be created because the drive type and speed of the specified LUs are the same but their RAID levels are different.	When creating a pool whose LUs have the same drive type and speed, the RAID level of all LUs must be the same.
KAIC07598-E	More than 3 combinations of drive type and speed are specified for the pool volumes.	Specify no more than 3 combinations of drive type and speed for the pool volumes, and then try again.
KAIC07599-E	The drive type or speed of the LU "*device-number*" excludes it from being used as a pool volume.	Check the LU drive type and speed, specify an LU that satisfies the requirements, and then try again.
KAIC07600-E	The "*microcode-version*" microcode version of the storage system cannot be used for the "*PP Name (Dynamic Provisioning)*" configuration.	Make sure the microcode version of the storage system is correct.

Message ID	Message Text	Description
KAIC07601-E	Device Manager does not support the "*operation*" operation except for the "*PP Name (Dynamic Provisioning)*" function.	Revise the function type, and then retry the operation.
KAIC07602-E	The LU cannot be used for a pool volume because the capacity of the LU "*device-number*" is outside the valid range. The capacity of a pool volume must be "*minimum-value(KB)*KB(*minimum-value(LBA)*LBA)" or more.	Revise the LU specification, and then retry the operation.
KAIC07603-E	The LU "*device-number*" cannot be used for a pool volume/journal volume because the LU is a LUSE devise.	Revise the LU specification, and then retry the operation.
KAIC07604-E	The LU "*device-number*" cannot be used for a pool volume/journal volume because the LU has a path set.	Revise the LU specification, and then retry the operation.
KAIC07605-E	The LU "*device-number*" cannot be used for a pool volume/journal volume because it is a reserved volume of "*PP Name (Volume Migration)*".	Revise the LU specification, and then retry the operation.
KAIC07606-E	The LU "*device-number*" cannot be used for a pool volume/journal volume because it is a "*volume-attribute*" of "*PP Name*".	Revise the LU specification, and then retry the operation.
KAIC07607-E	The LDEV "*device-number*" cannot be used for a pool volume/journal volume because its status is not "Normal".	Check the status of the LDEV, and then retry the operation.
KAIC07608-E	The LDEV "*device-number*" cannot be used for a pool volume/journal volume because it is protected.	Revise the LU specification, and then retry the operation.
KAIC07609-E	All LDEVs that make up a pool/journal group for "*PP Name (Dynamic Provisioning)*" must have the same CLPR.	Revise the LU specification, and then retry the operation.
KAIC07610-E	LU "*device-number*", whose emulation type is "*emulation-type*", cannot be used for a pool volume/journal volume of "*PP Name (Dynamic Provisioning)*".	Revise the LU specification, and then retry the operation.
KAIC07611-E	The LU "*device-number*" cannot be used for a pool volume/journal volume because it is a command devise.	Revise the LU specification, and then retry the operation.

Message ID	Message Text	Description
KAIC07612-E	The LU "*device-number*" cannot be used for a pool volume/journal volume because it is set for "*PP Name (Cache Residency)*".	Revise the LU specification, and then retry the operation.
KAIC07613-E	The pool volume/journal volume cannot be added because the number of LUs will exceed the maximum number of pool volume/journal volume that make up a pool for "*PP Name (Dynamic Provisioning)*".	Reduce the number of specified LUs, and then retry the operation.
KAIC07614-E	The specified threshold "*threshold*" is invalid.	Specify a valid value, and then retry the operation.
KAIC07615-E	The specified pool ID "*poolID*" is already being used on the storage system, for "*PP Name (Quick Shadow)*" or "*PP Name (Dynamic Provisioning)*".	Revise the pool ID specification, and then retry the operation.
KAIC07616-E	The specified pool ID/journal group ID "*poolID/journal group ID*" is invalid. A pool ID /journal group ID must be in the range from "*minimum-value*" to "*maximum-value*".	Revise the pool ID/journal group ID specification, and then retry the operation.
KAIC07617-E	A pool cannot be created because the RAID level of the LUs specified to make up the pool are different.	Specify LUs that have the same RAID level, and then try again.
KAIC07618-E	The specified pool cannot be deleted because an LU is assigned to it.	Remove any assigned LUs from the pool, and then retry.
KAIC07619-E	Cannot create pool because the volume drive speed (RPM) is different.	Use volumes with the same drive speed (RPM).
KAIC07620-E	The LU "*device-number*" is already assigned to a pool.	Revise the LU specification, and then retry the operation.
KAIC07621-E	"*volume-attribute*" and the pool must have the same CLPR.	Revise the pool and volume combination, and then retry the operation.
KAIC07622-E	An attempt to execute the request failed because the LU "*device-number*" is unassigned to pool.	Revise the LU specification, and then retry the operation.
KAIC07623-E	The LU "*device-number*" cannot be released from the pool because the LU has a path.	Release any paths for the LU, and then retry the operation.
KAIC07624-E	The LU "*device-number*" cannot be released from the pool because the LU is a LUSE volume.	Release the LUSE, and then retry the operation.

Message ID	Message Text	Description
KAIC07625-E	The array group (chassis="*chassis*" number="*array-group-number*") already exists in the storage system.	Revise the request, and then retry the operation.
KAIC07626-E	The specified device number "*device-number*" is already in use.	Revise the device number specification, and then retry the operation.
KAIC07627-E	The LDEV cannot be added, because the number of LDEVs will exceed the maximum number of LDEVs in the array group.	Reduce the number of specified volumes, and then retry the operation.
KAIC07628-E	A pool cannot be created or modified because the specified monitoring start time "*monitoring start time*" and end time "*monitoring end time*" are not valid. Either the interval between the times is less than 1 hour, or the start time is later than the end time. Note that the monitoring period cannot span multiple days.	Specify a start time that is at least 1 hour earlier than the end time.
KAIC07629-E	An LU whose emulation type is "*emulation-type*" cannot be added to "*PP Name (Dynamic Provisioning)*".	Correct the specified emulation type, and then retry the operation.
KAIC07630-E	The specified array group was not found in the Device Manager database.	Revise the array group specification, and then retry the operation.
KAIC07631-E	The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it contains at least one LDEV that is assigned to a pool.	Specify the option "`force`", and then retry the operation.
KAIC07632-E	The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it contains at least one LU that has a path.	Release the paths set for the LU, and then retry the operation.
KAIC07633-E	The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it contains a LUSE volume.	Release the LUSE, and then retry the operation.
KAIC07634-E	The specified array group (chassis="*chassis*" number="*array-group-number*") cannot be deleted because it	Revise the array group specification, and then retry the operation.

Message ID	Message Text	Description
	contains at least one protected LDEV.	
KAIC07635-E	The specified device number "*device-number*" is invalid.	Specify another device number, and then retry the operation.
KAIC07636-E	The LU "*device-number*" cannot be deleted because it is assigned to a pool.	Specify the option "`force`", and then retry the operation.
KAIC07637-E	The LU "*device-number*" cannot be deleted because it has a path.	Release the paths set for the LU, and then retry the operation.
KAIC07638-E	The LU "*device-number*" cannot be deleted because it is a LUSE volume.	Release the LUSE, and then retry the operation.
KAIC07639-E	The LU "*device-number*" cannot be deleted because it is protected.	Revise the LU specification, and then retry the operation.
KAIC07640-E	A parameter is not specified : LU "emulation"	Specify the LU emulation type.
KAIC07641-E	A parameter is not specified : LU "dpPoolID"	Specify the pool ID.
KAIC07642-E	A parameter is not specified : LU "threshold"	Specify the LU threshold.
KAIC07643-E	All LUs that make up a pool for "*PP Name (Dynamic Provisioning)*" must have the same volume classes (internal or external).	Revise the LU specification, and then retry the operation.
KAIC07644-E	All LUs that make up a pool for "*PP Name (Dynamic Provisioning)*" must have the same cache mode.	Revise the LU specification, and then retry the operation.
KAIC07645-E	Cannot create or expand pool because LU "*device-number*" LDEV status is not "Normal" or "Quick Formatting".	Specify an LU whose LDEV status is "Normal" or "Quick Formatting".
KAIC07646-E	This command cannot be processed, because device group definition is already enabled for the specified LU.	Revise the device group definition.
KAIC07647-E	The objectID of the array group is not specified. If you specify "exist" option, you must also specify the objectID of the array group.	Specify the objectID of the array group, and then retry the operation.
KAIC07648-E	The specified array group (chassis="*chassis*" number="*array-group-number*") is not used for "*PP Name (Dynamic Provisioning)*".	Specify an array group that is used for "*PP Name (Dynamic Provisioning)*".

Message ID	Message Text	Description
KAIC07649-E	Specified LU (devNum="*device-number*") is not "*volume-attribute*" of "*PP Name*".	Specify *volume-attribute* of *PP Name*.
KAIC07650-E	An error occurred in Provisioning Manager Server. (Message ID:*Message-ID*)	Refer to the Provisioning Manager Server log.
KAIC07651-E	An error occurred when Provisioning Manager Server was invoked.	Refer to the Provisioning Manager Server log.
KAIC07652-E	One of the specified logical groups or one of the logical groups below it, cannot be used to perform operations.	Use the GUI to perform logical group operations.
KAIC07653-E	Because the specified logical group has a child group, the object cannot be added.	Specify a logical group without a child group.
KAIC07654-E	The specified buffer space for new page assignment (tier *tier*) is outside the valid range. The valid range is from "*minimum-value*" through "*maximum-value*".	Revise the specified buffer space for new page assignment, and then retry the operation.
KAIC07655-E	The specified buffer space for tier relocation (tier *tier*) is outside the valid range. The valid range is from "*minimum-value*" through "*maximum-value*".	Revise the specified buffer space for tier relocation, and then retry the operation.
KAIC07656-E	The number of values specified for the buffer space for new page assignment is different from the number of tiers in the pool.	Revise the values specified for the buffer space for new page assignment or the number of tiers in the pool, and then retry the operation.
KAIC07657-E	The number of values specified for the buffer space for tier relocation is different from the number of the tiers in the pool.	Revise the values specified for the buffer space for tier relocation or the number of tiers in the pool, and then retry the operation.
KAIC07658-E	The specified tier (tier *tier*) does not exist.	Revise the number of tiers for the specified pool, and then retry the operation.
KAIC07659-E	The tier *tier* cannot be specified because the number of creatable tiers will be exceeded.	Revise the number of tiers for the specified pool, and then retry the operation.
KAIC07664-E	The virtualization-server management program (IP address =) could not be updated because Host Data Collector information has changed. Add the virtualization-server management program again to Device Manager.	Add the virtualization-server management program again to Device Manager.

Message ID	Message Text	Description
KAIC07665-E	The specified Host Data Collector does not support the target host. (host name or IP address = *host-name-or-IP-address*, Host Data Collector host name or IP address = *Host-Data-Collector-host-name-or-IP-address*)	Specify a different Host Data Collector, and then try again.
KAIC07666-E	Host Data Collector does not support version *host-version* target hosts. (host name or IP address = *host-name-or-IP-address*, Host Data Collector host name or IP address = *Host-Data-Collector-host-name-or-IP-address*)	Do not use Host Data Collector to perform operations on the target hosts.
KAIC07667-E	An attempt to add or refresh a host failed because of one of the following reasons: the UUID of the virtualized host server is different from the UUID of Device Manager, or the data collected from Host Data Collector is invalid. If an attempt to refresh the host failed, try to re-add the server. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. (host name or IP address = *target-host-name-or-IP-address*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port number = *Host-Data-Collector-RMI-registry-port-number*, RMI server port number = *Host-Data-Collector-RMI-server-port-number*, class loader port number = *Host-Data-Collector-class-loader-port-number*)	Check the following points: • The OS version on the target host (*) • The IP address of the target host is correct. • The authentication information and user permissions are correct. • The firewall is set to allow communication between the Host Data Collector and the target host. • The target host can be accessed by using the specified protocol. • The target host has been started. • The OS of the target host is supported. (*) Depending on the version of the target host (a virtualization server), the UUID of the virtualization server acquired from the Host Data Controller might be incorrect. If this message is displayed after upgrading the virtualization server, from Device Manager delete the virtualization server that could not be added and then try to add the server again. In addition, verify that the target host environment is set up correctly, as described in the "*Hitachi Command Suite Administrator Guide*." If this problem persists, detailed investigation is required to find

Message ID	Message Text	Description
		the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07668-E	The specified *element-name* ("*attribute-name*") is already in use.	Revise the specified *element-name*, and then retry the operation.
KAIC07669-E	An internal error occurred while setting the buffer space for new page assignment or the buffer space for tier relocation.	If this problem persists, contact the Support Center.
KAIC07678-E	An attempt to connect to VMware vCenter Server failed.	Take the following actions: • Confirm that VMware ESX Server and the VMware vCenter Server service are running. • Restart VMware vSphere Client. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07679-E	An attempt to delete storage failed. The specified volume cannot be deleted because it is being used by a datastore. (datastore name = "*Datastore-name*")	Check the following, and then retry the operation: • Make sure the specified parameters are correct. • Make sure that no datastore is using the target volume. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07680-E	An attempt to add storage failed. A storage system port that VMware ESX Server does not recognize was specified.	Specify a storage system port that VMware ESX Server recognizes, and then retry the operation. If you do not know such a port, contact the storage administrator.
KAIC07681-E	IPv6 is not enabled for the specified port "*port-information*".	Enable IPv6 for the port and retry.
KAIC07682-E	The VLAN of the specified port "*port-information*" is not enabled.	Enable the VLAN for the port and retry.

Message ID	Message Text	Description
KAIC07683-E	An invalid value "*port-information*" was specified for the port "*parameter*".	Specify a valid value for "*parameter*".
KAIC07684-E	"*parameter*" cannot be specified because "*parameter*" of the specified port "*port-information*" is set automatically.	Change "*parameter*" to manual and retry.
KAIC07685-E	An invalid value "*parameter*" was specified for the port.	Specify a valid IPv6 address.
KAIC07686-E	It is not possible to "*function(IPv6)*" parameter in the specified storage system.	Check the microcode version of the storage system.
KAIC07687-E	The specify vlan ID when VLAN status is enabled.	Specify the vlanID.
KAIC07688-E	The settings parameter "*parameter-name*" is not supported for the microcode version ("*microcode-version*") of the specified storage system.	Make sure the microcode version of the storage system is correct.
KAIC07689-E	The virtual storage machine family cannot be specified on this storage system.	Specify the virtual storage machine model, and then try again.
KAIC07690-E	No cluster information exists in the Device Manager database.	Using the NAS Manager or Hitachi File Services Manager, refresh the target file server or NAS module. If this problem continues, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07691-E	The format of the file server name is invalid.	Confirm that the host name and IP address of the node registered in the file server management software is registered in Device Manager as a file server name in the format below. File server name format: node-host-name@node-IP-address
KAIC07692-E	The specified file system name (*file-system-name*) already exists as a file system name or a storage pool name. Specify another file system name, and then try again.	Specify another file system name, and then try again.

Message ID	Message Text	Description
KAIC07693-E	The specified directory (*directory-name*) already exists. Specify another directory.	Specify another directory.
KAIC07694-E	The specified CIFS share name (*CIFS-share-name*) already exists. Specify another CIFS share name.	Specify another CIFS share name.
KAIC07695-E	An unexpected error occurred while refreshing the file server or NAS module information.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC07696-E	The specified volume was not found.	The volume might have been deleted. Confirm that the volume exists, and then retry the operation.
KAIC07697-E	The specified file system was not found.	The file system might have been deleted. Confirm that the file system exists, and then retry the operation.
KAIC07698-E	The specified volume "*devNum*" cannot be used.	The configuration of the storage system might have been changed. Revise the volume specification, and then retry the operation.
KAIC07699-E	The operation failed, because a virtual storage machine that has the same virtual family ("*virtual family*") and virtual serial number ("*virtual serial number*") already exists. Revise the specified virtual model and virtual serial number, and then try again.	Revise the specified virtual model and virtual serial number, and then try again.
KAIC07700-E	In the "*operation*" operation, an array group and LU cannot be specified at the same time.	Specify either an array group or an LU, and then retry the operation.
KAIC07701-E	"*option-name*" cannot be specified for command option 2.	Revise the request, and then retry the operation.
KAIC07702-E	The value specified for "*option-name*" of command option 2 is invalid.	Revise the request, and then retry the operation.
KAIC07703-E	The array group (chassis="*chassis*" number="*array-group-number*") have been specified more than once.	Revise the array group specification, and then retry the operation.
KAIC07704-E	The specified pool (function="*PP Name (Dynamic Provisioning)*"	Revise the pool specification, and then retry the operation.

Message ID	Message Text	Description
	pool ID="*poolID*") was not found in the Device Manager database.	
KAIC07705-E	A parameter is not specified : ArrayGroup "chassis" or "number".	Specify both "chassis" and "number" for ArrayGroup.
KAIC07706-E	In the specified request, the "chassis" and "number" attributes of the ArrayGroup element cannot be specified.	Revise the request, and then retry the operation.
KAIC07707-E	In the specified request, the number of requested ArrayGroup element must be one.	Revise the request, and then retry the operation.
KAIC07708-E	All "dpPoolID" attributes of LogicalUnit element must have the same value.	Revise the request, and then retry the operation.
KAIC07709-E	The number of elements specified in the request is invalid. In the specified request, one child element "*child-element-name*" must be specified for the "*parent-element-name*" element.	Revise the number of elements in the request, and then retry the operation.
KAIC07710-E	A required element is missing from the request. "*element-name*" or "*element-name*"	Revise the specification of the elements in the request.
KAIC07711-E	The array group (chassis="*chassis*" number="*array-group-number*") was not found in the storage system.	Revise the specification of the array group and storage system.
KAIC07712-E	The device number "*device-number*" is specified more than once.	Revise the device number specification.
KAIC07713-E	The drive types of all LDEVs that make up a single pool of "*PP Name (Dynamic Provisioning)*" must match.	Revise the specification of the LUs, and then retry the operation.
KAIC07714-E	A element "*element-name*" or attribute "*attribute-name*" is missing from the request.	Revise the request, and then retry the operation.
KAIC07715-E	The request contains both the capacityInKB parameter of the logical unit and the lba parameter of the LDEV.	Specify either the `capacityInKB` parameter of the logical unit or the `lba` parameter of the LDEV, but not both.
KAIC07716-E	An attempt to execute a request has failed. If option "*option-name*" is specified, the *element-name* element cannot be specified.	Revise the request, and then retry the operation.

Message ID	Message Text	Description
KAIC07717-E	An attempt to execute a request has failed. If option "*option-name*" is specified, the *attribute-name* attribute in a *element-name* element cannot be specified.	Revise the request, and then retry the operation.
KAIC07718-E	A search named "*search name*" already exists.	Use another search name.
KAIC07719-E	Registration of a logical group failed because a logical group named "*Logical Group Name*" already exists at the same level.	Revise the logical group name, and then try again.
KAIC07720-E	An attempt to create a TrueCopy pair has failed. The LDEV "*LUSE*" is a LUSE device. The number of LDEVs in the LUSE must be less than "*max-number-of-LDEVs-in-LUSE*".	Make sure that the request is valid, and then retry.
KAIC07721-E	An attempt to create a TrueCopy pair has failed. The LDEV "*LUSE*" is a LUSE device. The RAID type and the number of data disks must be identical for all LDEVs in the LUSE.	Make sure that the request is valid, and then retry.
KAIC07722-E	An attempt to create a TrueCopy pair has failed. To create a TrueCopy pair using the V-VOL of a QuickShadow pair, the QuickShadow pair must be created beforehand.	Make sure that the request is valid, and then retry.
KAIC07723-E	An attempt to create a "*pair-name*" pair has failed. The LDEV "*LUSE*" is a LUSE device. The number of LDEVs in the LUSE must be less than "*max-number-of-LDEVs-in-LUSE*".	Make sure that the request is valid, and then retry.
KAIC07724-E	An attempt to create a TrueCopy Async pair has failed because the size of the LDEV that makes up the LUSE was smaller than 1 GB.	Check the size of the LDEV that makes up the LUSE.
KAIC07725-E	In this API version, the TrueCopyAsync pair operation for the specified storage system is not supported.	Check the API versions supported by this storage system.
KAIC07726-E	The data pool for the specified storage system is not in the same default controller as the LU that will make up the pair.	Create a data pool, and then try again.

Message ID	Message Text	Description
KAIC07727-E	An attempt to create a TrueCopy Async pair has failed because the default controller of the LU to be defined in S-VOL was not the same as the current controller.	Check the default controller and a current controller of the LU.
KAIC07728-E	Error occurred while parsing response from host agent.	Contact the Support Center.
KAIC07729-E	An error occurred while encoding the message.	Contact the Support Center.
KAIC07730-E	If you used Disk Array Management Program or Storage Navigator Modular to create an expanded LU from two or more volumes assign to an LUN, the expanded LU cannot be deleted.	Use Disk Array Management Program or Storage Navigator Modular to delete the LUN that cannot be used, and then use Device Manager to refresh the storage system.
KAIC07731-E	Creation of an LDEV in the specified array group is not supported.	Revise the request, and then try again.
KAIC07732-E	You cannot change the *function (Tier/Saved Search/Logical Group)* type.	Revise the request.
KAIC07733-E	A parameter is not specified : Host "objectID" or "name".	Specify either "objectID" or "name" for Host.
KAIC07734-E	Invalid information was sent from host agent. Serial number of the storage system that has the replication volume was not specified.	Contact the Support Center.
KAIC07735-E	An attempt to get the information of the pair configuration on host "*host-name*" has failed. Error detail : "*error-detail*".	If this problem persists, contact the Support Center.
KAIC07736-E	The configuration file specified by instance number "*instance-number*" already exists on the host "*host-name*".	Specify another instance number, and then retry.
KAIC07737-E	The configuration file specified by instance number "*instance-number*" on Host "*host-name*" is not managed by Device Manager.	Specify another instance number, and then retry.
KAIC07738-E	The configuration file specified by instance number "*instance-number*" on Host "*host-name*" does not exist on the host "*host-name*".	Specify another instance number, and then retry.
KAIC07739-E	The specified group "*group-name*" exists in the configuration file (instance number "*instance-number*" on host "*host-name*").	Specify another group name, and then retry.

Message ID	Message Text	Description
KAIC07740-E	This API version does not support the LUN Management option.	Check this storage system's option list. You can also check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC07741-E	A value for the attribute "priority" is not specified for all "ExternalPathInfo" elements.	Specify a value for the attribute "priority" either for all "ExternalPathInfo" elements or for no "ExternalPathInfo" elements.
KAIC07742-E	The same value has been specified for the attribute "priority" in multiple "ExternalPathInfo" elements.	Specify different values for the attribute "priority" in multiple "ExternalPathInfo" elements.
KAIC07743-E	The value specified for the attribute "priority" in the element "ExternalPathInfo" differs from that specified for the specified path group.	For the attribute "priority", specify the same value as the attribute "priority" set for the specified path group.
KAIC07744-E	The specified Snapshot Group "*snapshotgroup-name*" does not exist in the storage system. (model-name "*model-name*", serial-number "*serial-number*").	Specify another Snapshot Group name, and then try again.
KAIC07745-E	A child logical group cannot be created in the specified logical group. For the parent logical group, specify a logical group that is a folder.	For the parent logical group, specify a logical group that is a folder.
KAIC07746-E	A tier named "*tier name*" already exists on a storage system.	Revise the tier name, and then try again.
KAIC07747-E	The specified pair(P-VOL :*P-VOL Device number*, S-VOL :*S-VOL Device number*) does not exist in the Snapshot Group "*snapshotgroup-name*".	Specify another pair, and then try again.
KAIC07748-E	A parameter is not specified : storage system "arrayType" or "serialNumber".	Specify both "arrayType" and "serialNumber" for storage system.
KAIC07749-E	A parameter is not specified : SnapshotGroup "groupID" or "groupName".	Specify either "groupID" or "groupName" for SnapshotGroup.
KAIC07750-E	The specified device name "*device-name*" exists in the configuration file (instance number "*instance-number*" on host "*host-name*").	Specify another device name, and then retry.
KAIC07751-E	The specified group "*group-name*" does not exist in the	Specify another group name, and then retry.

Message ID	Message Text	Description
	configuration file (instance number "*instance-number*" on host "*host-name*").	
KAIC07752-E	The host agent (URL = "*url-of-host-agent*") does not support the "*function-name*" function.	Use a host agent of version "*necessary-version*" or later.
KAIC07753-E	An error occurred during a pair operation.	If this problem persists, contact the Support Center.
KAIC07754-E	An attempt to delete the information for a pair configuration (instance number "*instance-number*" on host "*host-name*" and instance number "*instance-number*" on host "*host-name*") has failed. Error detail, host "*host-name*" : "*error-detail*"	If this problem persists, contact the Support Center.
KAIC07755-E	An attempt to create a pair has failed. The specified pair configuration may remain in the configuration file (instance number "*instance-number*" on host "*host-name*" and instance number "*instance-number*" on host "*host-name*"). Error details: "*error-detail*" The messages might contain SSB code in the format shown. SSB code: SSB=0xXXXX,0xYYYY (Example: SSB=0xD004,0xFC7E) The SSB code is information generated by CCI or RAID Manager to distinguish errors. See the CCI or RAID Manager user guide and refer to the SSB code to resolve the error.	If this problem persists, contact the Support Center.
KAIC07756-E	An error occurred during processing of the service by the host agent. Host agent Error Message : "*host-agent-message*" Command Error Message : "*command-error-message*"	If you perform a pair operation, please check that the following are appropriate: • Pair status • Cascade configuration of the pair • The number of S-VOLs for a P-VOL • P-VOL requirements • S-VOL requirements • For a pair that uses data pools, the status of the data pools If this problem persists even when the above are appropriate, do the following:

Message ID	Message Text	Description
		1. The Device Manager server might not contain updated storage system information. Refresh the storage system, and then try again. 2. A timeout might have occurred while performing the pair operation. Wait a while, refresh the storage system, and then check the pair status. If this problem still persists, or when you perform an operation other than a pair operation, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAIC07757-E	An error was detected in the host agent. Details: "*error-detail*"	If you perform a pair operation, please check that the following are appropriate: • Pair status • Cascade configuration of the pair • The number of S-VOLs for a P-VOL • P-VOL requirements • S-VOL requirements • For a pair that uses data pools, the status of the data pools If this problem persists even when the above are appropriate, the Device Manager server might not contain updated storage system information. Refresh the storage system, and then try again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. If this problem persists when you perform an operation other than a pair operation, detailed investigation is required to determine the cause and resolve the problem. Contact the Support

Message ID	Message Text	Description
		Center, who may ask you to collect troubleshooting information.
KAIC07758-E	The specified configuration file with instance number is "*instance-number*" does not exist on host "*host-name*".	Check that the configuration file exists on the host "*host-name*", and then retry.
KAIC07759-E	The specified configuration file (instance number "*instance-number*" on host "*host-name*") is not valid. The configuration file is changed, or, the specification of Command Device is invalid.	Check and, if necessary, revise the configuration file. (instance number "*instance-number*" on host "*host-name*") To perform a pair operation for volumes of a virtual storage machine, check one of the following, depending on the operation: 1. To specify virtual IDs for the pair volumes, make sure that HORCM_VMCD is defined in the configuration file. 2. To specify physical IDs for the pair volumes, make sure that HORCM_VMCD is not defined in the configuration file.
KAIC07760-E	The content of the specified configuration file (instance number "*instance-number*") is not the same as that on the host "*host-name*".	Perform a refresh.
KAIC07761-E	The specified device name does not exist in the configuration file (instance number "*instance-number*" on host "*host-name*").	Perform a refresh.
KAIC07762-E	An attempt to delete a pair has failed. Error detail, host "*host-name*" : "*error-detail*". The messages might contain SSB code in the format shown. SSB code: SSB=0xXXXX,0xYYYY (Example: SSB=0xD004,0xFC7E) The SSB code is information generated by CCI or RAID Manager to distinguish errors. See the CCI or RAID Manager user guide and refer to the SSB code to resolve the error.	If this problem persists, contact the Support Center.
KAIC07763-E	Device Manager Server timed out.	If this problem persists, contact the Support Center.

Message ID	Message Text	Description
KAIC07764-E	An internal server error occurred, because the parameter "*parameter*" was not specified.	Contact the Support Center.
KAIC07765-E	An attempt to create a pair has failed. The specified pair configurations may remain in the configuration files (instance number "*instance-number*" on host "*host-name*" and instance number "*instance-number*" on host "*host-name*").	If this problem persists, contact the Support Center.
KAIC07766-E	An attempt to start a HORCM instance (instance number "*instance-number*") on host "*host-name*" failed.	Check the following: • The contents of the config file • The settings details of command devices that are recognized by the host If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC07767-E	Some pairs may be not deleted.	If this problem persists, contact the Support Center.
KAIC07768-E	An attempt to restart the HORCM instance (instance number "*instance-number*" on host "*host-name*") has failed. Error detail: "*error-detail*"	Contact the administrator of the host, and then restart the HORCM instance on the host.
KAIC07769-E	An internal server error occurred. An attempt to execute a service for the host agent has failed.	If this problem persists, contact the Support Center.
KAIC07770-E	An attempt to shut down the HORCM instance (instance number "*instance-number*" on host "*host-name*") has failed. Error detail: "*error-detail*"	If this problem persists, contact the Support Center.
KAIC07771-E	An attempt to get the result of "*operation*" has failed.	If this problem persists, contact the Support Center.
KAIC07772-E	An internal server error occurred. An attempt to create a request for the host agent was failed.	If this problem persists, contact the Support Center.
KAIC07773-E	An attempt to create a pair has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*"	If this problem persists, contact the Support Center.
KAIC07774-E	An attempt to create a pair has failed. Error detail, host "*host-*	If this problem persists, contact the Support Center.

Message ID	Message Text	Description
	name" : "*error-detail*" The messages might contain SSB code in the format shown. SSB code: SSB=0xXXXX,0xYYYY (Example: SSB=0xD004,0xFC7E) The SSB code is information generated by CCI or RAID Manager to distinguish errors. See the CCI or RAID Manager user guide and refer to the SSB code to resolve the error.	
KAIC07775-E	An attempt to create a pair has failed. The specified pair configurations may remain in the configuration files (instance number "*instance-number*" on host "*host-name1*" and instance number "*instance-number*" on host "*host-name2*"). Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*"	If this problem persists, contact the Support Center.
KAIC07776-E	An attempt to create a pair has failed. The specified pair configurations may remain in the configuration file (instance number "*instance-number*" on host "*host-name*"). Error details of Host "*host-name*" : "*error-detail*" The messages might contain SSB code in the format shown. SSB code: SSB=0xXXXX, 0xYYYY (Example: SSB=0xD004,0xFC7E) The SSB code is information generated by CCI or RAID Manager to distinguish errors. See the CCI or RAID Manager user guide and refer to the SSB code to resolve the error.	If this problem persists, contact the Support Center.
KAIC07777-E	An attempt to create a pair has failed. The specified pair configurations may remain in the configuration file (instance number "*instance-number*" on host "*host-name1*"). Error details, Host "*host-name1*" : "*error-detail*", Host "*host-name2*" : "*error-detail*" The messages might contain SSB code in the format shown. SSB code: SSB=0xXXXX,0xYYYY (Example: SSB=0xD004,0xFC7E) The SSB code is information generated by CCI or RAID Manager to distinguish errors. See the CCI or	If this problem persists, contact the Support Center.

Message ID	Message Text	Description
	RAID Manager user guide and refer to the SSB code to resolve the error.	
KAIC07778-E	An attempt to execute a request has failed. The host agent returned an invalid response.	If this problem persists, contact the Support Center.
KAIC07779-E	An attempt to delete the configuration file (instance number "*instance-number*" on host"*host-name*") has failed. Error detail : "*error-detail*"	If this problem persists, contact the Support Center.
KAIC07780-E	An attempt to delete a pair has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*" The messages might contain SSB code in the format shown. SSB code: SSB=0xXXXX,0xYYYY (Example: SSB=0xD004,0xFC7E) The SSB code is information generated by CCI or RAID Manager to distinguish errors. See the CCI or RAID Manager user guide and refer to the SSB code to resolve the error.	If this problem persists, contact the Support Center.
KAIC07781-E	An attempt to delete information for a pair configuration (instance number "*instance-number*" on host "*host-name1*" and instance number "*instance-number*" on host "*host-name2*") has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*"	If this problem persists, contact the Support Center.
KAIC07782-E	An attempt to delete information for a pair configuration (instance number "*instance-number*" on host "*host-name*") was failed. Error details : "*error-detail*".	Check the configuration file, and then correct it if necessary.
KAIC07783-E	An attempt to modify a pair has failed. Error details, host "*host-name*" : "*error-detail*".	The pair operation might not be completed. Wait a while, refresh the storage system, and then check the pair status. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC07784-E	An attempt to modify a pair has failed. Error details, host "*host-name1*" : "*error-detail*", host "*host-name2*" : "*error-detail*".	If this problem persists, contact the Support Center.
KAIC07785-E	An attempt to restart a HORCM instance (instance number "*instance-number*") on host "*host-name*" failed.	If this problem persists, contact the Support Center.
KAIC07786-E	An internal error occurred in host agent ("*agent-url*").	If this problem persists, contact the Support Center.
KAIC07787-E	The host agent (host-name "*host-name*") cannot support the "*function-name*" function. Use "*PP on Host*" of version "*necessary-version*" or later on this host.	Check the host agent environment.
KAIC07788-E	Device Manager Server cannot operate the host agent service "*operation*".	Check the host agent environment.
KAIC07789-E	An error occurred during processing of the service by the host agent. (error message from the host agent = "*error-message-from-host-agent*")	If this problem persists, contact the Support Center.
KAIC07790-E	An attempt to get volume information on host "*host-name*" has failed. Error detail : "*error-detail*".	Check the host agent status and the status of the command device that is connected to the pair management server. Make sure the following are correct: • Firewall settings • Communication settings of the Device Manager server and Device Manager agent • Connection status of the command device for which authentication mode is enabled When SSL/TLS communication is used between the Device Manager server and the Device Manager agent, user authentication for the storage system is unnecessary. When SSL/TLS communication is not used, complete user authentication for the storage system. If the problem persists, contact customer support. Additional investigation is required to

Message ID	Message Text	Description
		determine the cause and resolve the problem.
KAIC07791-E	An attempt to get program product information on host "*host-name*" has failed. Error detail: "*error-detail*".	If this problem persists, contact the Support Center.
KAIC07792-E	An attempt to acquire pair volume information on the host "*host-name*" has failed. Error details: "*error-detail*".	If this problem persists, contact the Support Center.
KAIC07793-E	An attempt to execute the request has failed. The specified LU "*device-number*" is being used by *PP Name (UniversalReplicator)*.	Revise the LU specifications, and then try again.
KAIC07794-E	Creation, modification, or deletion of UniversalReplicator or Continuous Access XP Journal pairs is not supported.	Revise the request, and then try again.
KAIC07795-E	The last path of an LU (devNum = "*Device number*") used by *PP Name (UniversalReplicator)* cannot be deleted.	Check and, if necessary, revise the specification.
KAIC07796-E	An attempt to execute the request has failed. The specified LU "*device-number*" is being used as a journal volume.	Revise the LU specifications, and then try again.
KAIC07797-E	LDEV of device number "*device-number*" cannot be used to make up a LUSE because the device number is smaller than the maximum device number of the LDEVs that make up the first specified LUSE.	To create a LUSE based on a LUSE that has already been configured, specify an LDEV with a device number larger than the maximum device number of the LDEVs that make up the first LUSE.
KAIC07798-E	The microcode version of the storage system is insufficient for the requested an LUSE operation using a path defined LDEV. The microcode version is "*microcode-version*"	Check the version of the software contained in the storage system.
KAIC07799-E	An attempt to execute the request has failed. The specified LU "*device-number*" is being used as a system disk.	Revise the LU specifications, and then try again.
KAIC07800-E	There are too many elements in the request. The maximum number of "*element-name-in-XML-API*" elements which can be specified is "*maximum-number-of-elements*".	Check the number of elements, and then retry.

Message ID	Message Text	Description
KAIC07801-E	A required element is missing from the request. Specify "*element-name*" elements.	Check that all of the required elements of a request are present. Provide the missing element, and then retry.
KAIC07802-E	The number of elements specified in the request is insufficient. To execute this command, "*minimum-number-of-elements*" or more "*element-name*" elements are required.	Check the number of elements, and then retry.
KAIC07803-E	Missing parameter: "*element-name*" "*attribute-name-of-element*".	Specify the required parameter, and then retry.
KAIC07804-E	A parameter is invalid. The same object is specified for at least two "Path" elements in the request.	Revise the specifications for the object of the path element, and then try again.
KAIC07805-E	Some parameters are incorrect. The same WWN "*WWN (xx.xx.xx.xx.xx.xx.xx.xx)*" is specified for two or more "WorldWideName" elements in the request.	Check the WWN specifications of the WorldWideName elements, and then retry.
KAIC07806-E	The command cannot be executed because the security switch for the specified port "*port-name*" is OFF. To execute this command, the security switch for the port must be ON.	Turn the security switch ON for the specified port, and then try again.
KAIC07807-E	An LUN group cannot be created because there are no paths on the specified port "*port-name*". To create an LUN group, there must be at least one path on the port at the creation destination.	Create at least one path on the specified port, and then try again.
KAIC07808-E	The command cannot be executed because executing it will cause the number of LUN groups on the specified port "*port-name*" to exceed the maximum number of LUN groups "*maximum-number-of-LUN-groups-that-can-be-created-on-a-port*" that can be created on a port.	Revise the specifications for the ports and LUN groups so they do not exceed the maximum number, and then try again.
KAIC07809-E	The command cannot be executed because executing it will cause the number of WWN groups on the specified port "*port-name*" to exceed the maximum number of WWN groups "*maximum-number-of-WWN-groups-that-*	Revise the specifications for the ports and WWN groups so they do not exceed the maximum number, and then try again.

Message ID	Message Text	Description
	can-be-created-on-a-port" that can be created on a port.	
KAIC07810-E	The specified nickname "*nickname*" is invalid, since the maximum length for a nickname is "*maximum-length-of-nickname*" bytes.	Check the nickname, and then retry.
KAIC07811-E	The specified nickname "*nickname*" is invalid, since it contains a forbidden character.	Check the nickname, and then retry.
KAIC07812-E	The specified nickname "*nickname*" is not available. This nickname is already used by the other LUNGroup on the same port.	Specify a nickname that is not used by other LUNGroups on the same port, and then retry.
KAIC07813-E	The specified nickname "*nickname*" is not available. This nickname is already used by another WWN/WWNGroup on the same port.	Specify a nickname that is not used by other WWN/WWNGroups on the same port, and then retry.
KAIC07814-E	The specified path cannot be used because it belongs to another LUN group on the same port.	Specify a path that does not belong to another LUN group on the same port, and then try again.
KAIC07815-E	The specified WWN "*WWN*" is not available. This WWN already belongs to the other WWNGroup on the same port.	Specify the WWN which does not belong to other WWNGroups on the same port, and then retry.
KAIC07816-E	It is not possible to group paths that have different WWN securities each other. Paths that have same WWN securities or no WWN security must be specified.	Check the specification of paths, and then retry.
KAIC07817-E	It is not possible to group WWNs used by different paths. WWNs that are used by the same path(s), or are not used, must be specified.	Check the specification of WWNs, and then retry.
KAIC07818-E	The specified path is not a path on the port "*port-name*". A path that is on the specified port must be specified.	Revise the relationship between the specified port and path, and then try again.
KAIC07819-E	The specified WWN is a member of WWNGroup. In order to perform secure/unsecure by WWNGroup, specify all WWNs that are members of the WWNGroup.	Specify all members of the WWNGroup or specify WWN that does not belong to the WWNGroup, and then retry.
KAIC07820-E	The specified HostStorageDomain includes a path belonging to an	Check that there is no path belonging to the LUNGroup in the

Message ID	Message Text	Description
	LUNGroup. This command does not support secure/unsecure with paths belonging to an LUNGroup.	HostStorageDomain to specify, and then retry.
KAIC07821-E	This operation for the WWN comprising a WWNGroup is not supported by the specified API version.	Check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC07822-E	The specified WWN "*WWN*" is not available. This WWN already belongs to HostStorageDomain "*HostStorageDomain*" on the same port.	Specify the WWN which does not belong to other HostStorageDomain on the same port, and then retry.
KAIC07823-E	A non-representative LDEV (devNum = "*Device number*") that is making up a LUSE was specified. A LUSE cannot be created by specifying a non-representative LDEV.	Check and, if necessary, revise the LDEV specification.
KAIC07824-E	A non-representative LDEV (devNum = "*Device number*") that is making up a LUSE was specified. A path cannot be set to a non-representative LDEV.	Check and, if necessary, revise the LDEV specification.
KAIC07825-E	The specified nickname "*nickname*" is not available. This nickname is already used by another WWN/ HostStorageDomain on the same port.	Specify a nickname that is not used by other WWN/ HostStorageDomain on the same port, and then retry.
KAIC07826-E	The specified nickname "*nickname*" is not available. This nickname is already used by another HostStorageDomain on the same port.	Specify a nickname that is not used by other HostStorageDomain on the same port, and then retry.
KAIC07827-E	The specified nickname "*nickname*" is not available. This nickname is already used by another WWN on the same port.	Specify a nickname that is not used by other WWN on the same port, and then retry.
KAIC07828-E	The specified Host Storage Domain (nickname="*Nickname for Host Storage Domain*", portID="*Port ID*") does not exist.	Revise the parameter specifications
KAIC07829-E	The specified WorldWideName (nickname="*Nickname for WorldWideName*") does not exist in the Host Storage Domain (portID="*Port ID*", domainID="*Domain ID*").	Revise the parameter specifications.
KAIC07830-E	The last path of an LU (devNum = "*Device number*") set for *PP*	Delete the settings, and then delete the path.

Message ID	Message Text	Description
	Name (QuickShadow) cannot be deleted.	
KAIC07831-E	In this API version, creation, modification, and deletion of "*PP Name*" pairs on the specified device is not supported.	Revise the request, and then try again.
KAIC07832-E	The specified ISCSIName (nickname = *Nickname for ISCSIName*) does not exist in the host storage domain (portID = *Port ID*, domainID = *Domain ID*).	Revise the specification.
KAIC07833-E	The specified host storage domain does not exist in the Device Manager database.	Revise the host storage domain specification.
KAIC07834-E	There is no communication protocol by which host "*host-name*" and host "*host-name*" can communicate with each other.	Revise the host settings.
KAIC07835-E	The IP address necessary to perform the specified operation is not registered with the host "*host-name*".	Revise the host agent version, the RAID Manager version, and/or the host settings.
KAIC07836-E	This operation cannot be performed for a port (portID="*Port ID*") whose port role is "*port-role*".	Revise the port specification.
KAIC07837-E	The command cannot be used for "*Replication function*" pair.	Revise the request.
KAIC07838-E	The specified pair does not exist in the specified storage system.	Revise the request, and then try again.
KAIC07839-E	Device Manager Server cannot operate the host agent service "*operation*".	Revise the host agent version, the RAID Manager version, and/or the host settings.
KAIC07840-E	The specified port already has the maximum number of LUNs.	No more LUNs can be specified on this port, select a different port on which to add LUNs.
KAIC07841-E	The specified HostStorageDomain already has the maximum number of LUNs.	No more LUNs can be specified on this HostStorageDomain. Select a different HostStorageDomain on which to add LUNs.
KAIC07842-E	The specified LDEV (devNum = "*Device number*") is not a LUSE.	Make sure the specified LDEV is correct.
KAIC07843-E	The specified LUSE (devNum = "*Device number*") has an LUN. LUSEs that have LUNs cannot be deleted with the "DeleteLUSE" command.	Make sure the LUSE specification is correct.

Message ID	Message Text	Description
KAIC07844-E	Some parameters are incorrect. The same ruleID "*ruleID*" is specified with two or more "Rule" elements in the request.	Check the specification of the ruleID of Rule elements, and then retry.
KAIC07845-E	An attempt is being made to set multiple volumes for the same port, group, or LUN group (portID = "*Port ID*", domainID = "*Domain ID*", lun = "*LUN*").	Check and, if necessary, revise the specifications.
KAIC07846-E	The LDEV (devnum = "*Device number*") you are attempting to use, to make up the LUSE, is a command device.	Check and, if necessary, revise the specifications.
KAIC07847-E	An attempt is being made to set multiple volumes for the same port, group, or LUN group (portID = "*Port ID*", lun = "*LUN*").	Check and, if necessary, revise the specifications.
KAIC07848-E	The first specified LDEV (devNum = "*Device number*") must have the lowest number from among the LDEVs in the list.	Revise the specification, and then retry.
KAIC07849-E	For the specified request, if (type="*array-group type*") is specified in the ArrayGroup element, the dpPoolID or threshold attribute in a LogicalUnit element cannot be specified.	Revise the request, and then retry the operation.
KAIC07850-E	In the specified request, "type" attributes in more than one ArrayGroup element differ. All "type" attributes within the ArrayGroup elements must be the same.	Revise the specification of the ArrayGroup element "type" attributes, and then retry the operation.
KAIC07851-E	The "force" option cannot be specified for this ArrayGroup element.	Revise the request, and then retry the operation.
KAIC07852-E	A specified ArrayGroup element (chassis="*chassis*", number="*array-group number*") cannot be deleted because the LU "*device Number*" in the array group is a pair device.	Revise the specification of the ArrayGroup element, and then retry the operation.
KAIC07853-E	The specified LU "*device Number*" cannot be deleted because it is a pair device.	Revise the specification of the LogicalUnit element, and then retry the operation.
KAIC07854-E	This "*API or CLI*" version does not support deletion of "*PP name (QuickShadow)*" virtual volumes.	Check what "*API or CLI*" versions support deletion of "*PP name (QuickShadow)*" virtual volumes.

Message ID	Message Text	Description
KAIC07855-E	This "*API or CLI*" version does not support creation of "*PP name (QuickShadow)*" virtual volumes.	Check what "*API or CLI*" versions support creation of "*PP name (QuickShadow)*" virtual volumes.
KAIC07856-E	This request cannot specify an ArrayGroup element that has the attribute (chassis="*chassis*").	Revise the specification of the ArrayGroup element.
KAIC07857-E	This request cannot specify a LogicalUnit element that has the attribute (chassis="*chassis*").	Revise the specification of the LogicalUnit element.
KAIC07858-E	In the specified request, "type" attributes in more than one LogicalUnit element differ. All "type" attributes within the LogicalUnit elements must be the same.	Revise the specification of the LogicalUnit elements.
KAIC07859-E	The specified storage system already has the maximum number of Snapshot Groups.	Select a different storage system.
KAIC07860-E	Missing parameter: DataRetention "*parameter-name*". At least one of these parameters is required to change the protection attributes.	Specify the required parameter, and then retry.
KAIC07861-E	The value for "*parameter-name*" is invalid.	Specify a valid value, and then retry.
KAIC07862-E	The specified LDEV is not an open volume. The protection attributes of the specified LDEV cannot be changed.	Check the specification of the LDEV.
KAIC07863-E	The specified LDEV is not a representative-LDEV. The protection attributes of the specified LDEV cannot be changed.	Check the specification of the LDEV.
KAIC07864-E	The specified LDEV is an OnDemand device. The protection attributes of the specified LDEV cannot be changed.	Check the specification of the LDEV.
KAIC07865-E	The specified Snapshot Group already has the maximum number of pairs.	Select a different Snapshot Group.
KAIC07866-E	The specified LDEV is a *PP Name (VolumeMigration)* reserved volume. The protection attributes of the specified LDEV cannot be changed.	Check the specification of the LDEV.
KAIC07867-E	The specified LDEV is a command device. The protection attributes	Check the specification of the LDEV.

Message ID	Message Text	Description
	of the specified LDEV cannot be changed.	
KAIC07869-E	The specified LDEV is not protected. The retention term cannot be set for an LDEV that is not protected.	Check the specification of the LDEV.
KAIC07870-E	The specified LDEV is a pool volume. The protection attributes of the specified LDEV cannot be changed.	Revise the LDEV specification.
KAIC07871-E	When the ioAccess value is changed to a value other than Read/Write, replication cannot be set.	Revise the ioAccess and replication specifications.
KAIC07872-E	The ioAccess value is set to a value other than Read/Write, so replication cannot be set.	Revise the ioAccess and replication specifications.
KAIC07873-E	Neither the buffer space for new page assignment nor the buffer space for tier relocation can be set for the microcode version of the specified storage system.	Verify the microcode version of the storage system, and then retry the operation.
KAIC07874-E	Neither the buffer space for new page assignment nor the buffer space for tier relocation can be set while the pool is being expanded.	Revise the request, and then retry the operation.
KAIC07875-E	Neither the buffer space for new page assignment nor the buffer space for tier relocation can be set while the pool is being reduced.	Revise the request, and then retry the operation.
KAIC07876-E	Neither the buffer space for new page assignment nor the buffer space for tier relocation can be set while tier ranks are being set for external volumes.	Revise the request, and then retry the operation.
KAIC07877-E	Neither the buffer space for new page assignment nor the buffer space for tier relocation can be set because the specified pool is a *PP Name(Dynamic Provisioning)*pool.	Revise the request, and then retry the operation.
KAIC07878-E	The pool was successfully created, but the buffer space for new page assignment and the buffer space for tier relocation cannot be changed. Check the status of the created pool ("*poolID*"), and then change the buffer space for new page	Check the storage system status, and then retry the operation.

Message ID	Message Text	Description
	assignment and the buffer space for tier relocation. (details = "*error-details*")	
KAIC07879-E	Neither the buffer space for new page assignment nor the buffer space for tier relocation can be set for the specified storage system.	Revise the specified storage system.
KAIC07880-E	The LUSE cannot be created because the CLPRs of the specified LDEVs (devnum = "*Device number*" and devnum = "*Device number*") are different.	Check and, if necessary, revise the LDEV specification.
KAIC07881-E	An attempt to execute the request has failed. The specified LU cannot be used for a Delta Resync pair.	Revise the request, and then try again.
KAIC07882-E	An attempt to execute the request has failed. The specified journal group cannot be used for a Delta Resync pair.	Revise the request, and then try again.
KAIC07883-E	Execution of the request failed. At least one storage system that makes up 3DC is not registered in the Device Manager database.	Add all the storage systems that make up 3DC, and then try again.
KAIC07884-E	An attempt to execute the request has failed. Some storage systems that make up the 3DC do not support Delta Resync pair creation.	Check the microcode version of all storage systems that make up the 3DC.
KAIC07885-E	An attempt to execute the request has failed. The specified operation is not supported for the Delta Resync pair.	Revise the request, and then try again.
KAIC07886-E	An attempt to execute the request has failed. The specified pair cannot be deleted because a Delta Resync pair exists.	Revise the request, and then try again.
KAIC07887-E	Tier property information cannot be obtained. Another process is currently collecting the tier property information. Wait a while, and then retry the operation.	Wait a while, and then retry the operation. If the problem persists, collect error information and contact the Support Center.
KAIC07888-E	The Device Manager database does not contain the specified configuration element (*resource-name*).	Revise the specified value.
KAIC07889-E	Device Manager supports the specified operation only for the *PP*	Revise the functionality type, and then retry the operation.

Message ID	Message Text	Description
	Name(Dynamic Tiering) functionality.	
KAIC07890-E	The specified LU "*device-number*" is protected. It cannot be deleted.	Check the specification of the LU.
KAIC07891-E	The specified LDEV "*device-number*" is protected. It cannot be used for LUSE.	Check the specification of the LDEV.
KAIC07892-E	The specified LUSE volume "*device-number*" is protected. It cannot be released.	Check the specification of the LU.
KAIC07893-E	The specified LU "*device-number*" is protected. It cannot be used for a command device.	Check the specification of the LU.
KAIC07894-E	The specified LU "*device-number*" is protected. It cannot be used for S-VOL.	Check the specification of the LU.
KAIC07895-E	The LU "*device-number*" that is P-VOL of the specified replication pair is protected. Restore operation cannot be performed.	Check the specification of the replication pair.
KAIC07896-E	The LU "*devNum*" that is S-VOL of the specified replication pair is protected. Resync operation cannot be performed.	Check the specification of the replication pair.
KAIC07897-E	The specified array group contains protected LDEV(s). The array group cannot be deleted.	Check the specification of the array group.
KAIC07898-E	The LU "*device-number*" that is S-VOL of the specified replication pair is protected. The restore operation cannot be performed.	Check the specification of the replication pair.
KAIC07899-E	An internal error occurred. An agent service failed to execute because a proper method could not be found for the *class-name* class.	Contact the Support Center.
KAIC07900-E	Information necessary to refresh the host is not registered. If the target host does not support the refreshing of hosts, no additional action is required. If the host supports the refreshing of hosts, the Device Manager agent might not be running properly. Check the settings of the Device Manager agent, and then restart the Device Manager agent.	If the target host does not support the refreshing of hosts, no additional action is required. If the host supports the refreshing of hosts, check the settings of the Device Manager agent, and then restart the Device Manager agent.

Message ID	Message Text	Description
KAIC07901-E	The request has failed. The attribute "*attribute-name*" was not specified.	The API requires "*attribute-name*" when the objectID is not specified. Add "*attribute-name*" to the request, and then retry.
KAIC07902-E	The request has failed. The specified Host (name="*host-name*", hostID="*host-id*") was unable to handle replication.	Select a valid host, and then retry.
KAIC07903-E	The request has failed. The specified Host ID "*specified-host-id*" was not found in the database.	Check the request, and then retry.
KAIC07904-E	Execution of the request failed. The element ReplicationInfo was not specified.	The element ReplicationInfo must be specified at least once. Add the element ReplicationInfo, and then try the operation again.
KAIC07905-E	The request has failed. An invalid value was specified for "*attribute-name*".	Valid names must have length 1 to 31, and must not include space(' '). Check the request, and then retry.
KAIC07906-E	The request has failed. An invalid value was specified for "*attribute-name*".	Valid values are 0 to 4094. Check the request, and then retry.
KAIC07907-E	The request has failed. "*attribute-name*" was not specified.	When creating new Configuration File, network port number is necessary. Check the request, and then retry.
KAIC07908-E	The request has failed. An invalid value was specified for "*attribute-name*".	Valid values are 0 to 65535. Check the request, and then retry.
KAIC07909-E	The request has failed. An invalid value was specified for "replicationFunction".	The specified pair does not support operation. Revise the pair specification.
KAIC07910-E	The request has failed. An invalid value was specified for fenceLevel.	Valid values are Never, Data or Status. Check the request, and then retry.
KAIC07911-E	The request has failed. "*attribute-name*" was not specified.	AddReplication requires the array type. Check the request, and then retry.
KAIC07912-E	The request has failed. "*attribute-name*" was not specified.	AddReplication requires a serial number. Check the request, and then retry.
KAIC07913-E	The request has failed. "*attribute-name*" was not specified.	AddReplication requires a device number. Check the request, and then retry.
KAIC07914-E	An attempt to execute the request has failed. The specified	Revise the request, and then try again.

Message ID	Message Text	Description
	logical unit (serial number = "*serial-number*", device number = "*device-number*") was not found in the database.	
KAIC07915-E	An attempt to execute the request has failed. The specified logical unit (serial number = "*serial-number*", device number = "*device-number*") cannot be used for replication because it is "*cause*".	Revise the request, and then try again.
KAIC07916-E	An attempt to execute the request has failed. For the specified logical unit (serial number = "*serial-number*", device number = "*device-number*"), security for the host has not been set.	Set the security for the host, and then perform a refresh.
KAIC07917-E	An attempt to execute the request has failed. An invalid value has been specified for muNumber.	Revise the muNumber specification.
KAIC07918-E	An attempt to execute the request has failed. The specified storage system (serial number = "*serial-number*") was not found in the database.	Revise the request, and then try again.
KAIC07919-E	An attempt to execute the request failed. No host agents were found for the specified host "*host-name*".	Confirm that host agents have been installed for the host "*host-name*", and then restart the agents. If the host is a mainframe host, confirm that a valid URLLink has been specified.
KAIC07920-E	No more ReplicationGroups may be created.	Contact the Support Center.
KAIC07921-E	No more ConfigFiles may be created.	Contact the Support Center.
KAIC07922-E	The request has failed. Fence Level 'Status' was not used for the specified storage system.	Check the parameter, and then retry.
KAIC07923-E	The license key for "*license-name*" has not been installed.	Contact the Support Center. Install the license key.
KAIC07924-E	The license key for "*license-name*" is disabled.	Contact the Support Center. Enable the license key.
KAIC07925-E	The request has failed. Duplicated pairNames "*pair-name*" are specified.	Specify pair names which are unique in a HORCM instance.

Message ID	Message Text	Description
KAIC07926-E	The request has failed. The specified pairName "*pair-name*" is already being used.	Specify pair names which are unique in a HORCM instance.
KAIC07927-E	No more ReplicationInfo may be created.	Contact the Support Center.
KAIC07928-E	The specified storage system has just one port controller.	Dual-port-controller is necessary.
KAIC07929-E	An attempt to execute the request has failed. A remote path or the MCU-RCU path between the local storage system and the remote storage system is not correctly set.	Revise the remote path or the MCU-RCU path.
KAIC07930-E	An attempt to execute the request has failed. The host "*host-name*" does not recognize the specified logical unit (serial number = "*serial-number*", device number = "*device-number*").	Make sure that the host can recognize the logical unit, and then execute the host agent command "`HiScan`".
KAIC07931-E	The request has failed. The size of the specified LogicalUnits pair does not match.	Specify the LogicalUnits whose size are same for P-VOL and S-VOL.
KAIC07932-E	The request has failed. No pair could be created with the specified logical units by the specified replication function.	Check the request, and then retry.
KAIC07933-E	The request has failed. The emulation type of the specified LogicalUnits pair does not match.	Specify the LogicalUnits whose emulation type are same for P-VOL and S-VOL.
KAIC07934-E	The request has failed. The default port controller of the specified LogicalUnits pair does not match.	Specify the LogicalUnits whose default port controller are same for P-VOL and S-VOL.
KAIC07935-E	An attempt to execute the request has failed. The specified array group (serial number = "*serial-number*", chassis = "*chassis*", number = "*array-group-number*") was not found in the database.	Revise the request, and then try again.
KAIC07936-E	The request has failed. The specified LogicalUnits pair does not match. RAID type does not meet the conditions.	Specify the LogicalUnits whose number of data disk are same for P-VOL and S-VOL. If the pair is TrueCopy, RAID type of the LogicalUnits must be "RAID5".
KAIC07937-E	The request has failed. The specified LogicalUnit was LUSE.	Specify the LogicalUnits which are not LUSE.

Message ID	Message Text	Description
KAIC07938-E	The request has failed. The specified port number "*port-number*" was already used in another configuration file.	Specify the port number other than "*port-number*".
KAIC07939-E	The request has failed. Replication pairs in the same replication group must have the same replication function.	Check the request, and then retry.
KAIC07940-E	The request has failed. Replication pairs in the same replication group must have the same fence level.	Check the request, and then retry.
KAIC07941-E	The request has failed. storage systems in the same replication group must be all RAID or All DF.	Check the request, and then retry.
KAIC07942-E	The request has failed. The specified replication group cannot be operated on per group. The configuration file contains an unknown definition.	Operate per pair.
KAIC07943-E	An unexpected response was returned from the host agent transport.	Contact the Support Center.
KAIC07944-E	Some of the requests of "*api-name*" has failed.	If this problem persists, contact the Support Center.
KAIC07945-E	This GetHost request is invalid. "*element-name*" do not have a objectID.	Contact the Support Center.
KAIC07946-E	The same object is included in a single request.	Revise the request, and then try again.
KAIC07947-E	The specified storage system does not support TrueCopyAsync.	Check the request, and then retry.
KAIC07948-E	Reverse resynchronization cannot be performed for the specified pair.	Revise the request, and then try again.
KAIC07949-E	An invalid replication configuration was specified.	Confirm that a replication configuration is valid.
KAIC07950-E	The request has failed. The specified MU number is already in use.	Specify another MU number.
KAIC07951-E	An attempt to execute the request has failed. The storage system "*storage-array-name*" can have a maximum of "*max-number-of-pairs*" "*replication-function*" pairs.	Delete an existing pair.
KAIC07952-E	An attempt to execute the request has failed. The specified	Revise the request, and then try again.

Message ID	Message Text	Description
	storage system (sequence number = "*sequence-number*") was not found in the database.	
KAIC07953-E	The request has failed. The specified logical unit pair is invalid. The number of configured LDEVs is different.	Specify the LogicalUnits whose number of LDEVs are same for P-VOL and S-VOL.
KAIC07954-E	The request has failed. The specified host (name="*host-name*", hostID="*host-id*") cannot handle replication. "*agent-or-raidmanager*" is not installed.	Install "*agent-or-raidmanager*", and then retry.
KAIC07955-E	The request has failed. The specified Host (name="*host-name*", hostID="*host-id*") cannot handle replication. The host does not recognize the logical units.	Make sure that the host "*host-name*" recognizes the logical units, and then perform "`HiScan`" command from the host agent.
KAIC07956-E	The request has failed. The specified Host (name="*name*", hostID="*host-id*") cannot handle replication. The host does not recognize the command device.	Make sure that the host "*name*" recognizes the command device, and then perform "`HiScan`" command from the host agent.
KAIC07957-E	The request has failed. The specified LogicalUnits are not open volumes.	Specify open-volume-LogicalUnits for P-VOL and S-VOL.
KAIC07958-E	An attempt to execute the request has failed. The combination of the pair that configures the group is invalid.	Revise the request, and then try again. Alternatively, specify a different group, and then try again.
KAIC07959-E	The request has failed. In the case of QuickShadow, ReplicationInfo's status must be 'Simplex'.	Specify another LU, and then retry.
KAIC07960-E	The request has failed. In the case of QuickShadow, S-VOL must be QuickShadow V-VOL.	Specify QuickShadow V-VOL for S-VOL.
KAIC07961-E	The request has failed. The specified P-VOL is not paired with selected V-VOL when QuickShadow pair was made.	Specify another LU, and then retry.
KAIC07962-E	The request has failed. The QuickShadow pair could not be created in the specified array system.	Check the request, and then retry.
KAIC07963-E	The request has failed. The port ID "*port-id*" is invalid.	Specify another port ID, and then retry.
KAIC07964-E	An attempt to execute the request has failed. For the	Set the security for the host, and then perform a refresh.

Message ID	Message Text	Description
	specified logical unit (serial number = "*serial-number*", device number = "*device-number*"), security for the host has not been set on the specified port "*port-ID*".	
KAIC07965-E	An attempt to execute the request has failed. The host "*host-name*" does not recognize the specified logical unit (serial number = "*serial-number*", device number = "*device-number*") on the specified port "*port-ID*".	Make sure that the host can recognize the logical unit, and then execute the host agent command "`HiScan`".
KAIC07966-E	An attempt to execute the request has failed. There are no paths on the specified port "*port-ID*" for the specified logical unit (serial number = "*serial-number*", device number = "*device-number*").	Set a path for the logical unit on the specified port.
KAIC07967-E	An attempt to execute the request has failed. There are no paths for the specified logical unit (serial number = "*serial-number*", device number = "*device-number*").	Set a path for the logical unit.
KAIC07968-E	The request has failed. No port was found.	Confirm the port status.
KAIC07969-E	In this API version, QuickShadow is not supported.	Check the Device Manager Server XML API manual and make sure that the running API version supports the command.
KAIC07970-E	The specified icon "*icon*" is invalid.	Check the specified icon file.
KAIC07971-E	An attempt to execute the request has failed. Multiple pairs for one P-VOL of QuickShadow cannot be restored at the same time.	Check the request, and then retry.
KAIC07972-E	The request has failed. The specified instance number "*instance-number*" is already in use.	Specify another instance number.
KAIC07973-E	The LUSE could not be created because the types or attributes of the specified LDEVs (devnum = "*Device number*" and devnum = "*Device number*") are not identical.	Make sure that all of the LDEVs making up the LUSE satisfy the following conditions: 1. The volume classes (internal or external) are identical. 2. The disk types are identical.

Message ID	Message Text	Description
		3. The host's I/O suppression modes are identical. 4. The cache modes are identical.
KAIC07974-E	The paths cannot be create to the external port "*port name*".	Check and, if necessary, revise the port specification.
KAIC07975-E	Creating or deleting external volumes is not supported.	Check and, if necessary, revise the specification of the LDEV or ArrayGroup.
KAIC07976-E	The specified DevNum "*Device number*" already exists in the Device Manager database.	Revise the specification for devNum of the LogicalUnit elements, and then try again.
KAIC07977-E	An attempt to execute the request has failed. There are no Differential Management LUs in the specified device.	Create a Differential Management LU, and then try again.
KAIC07978-E	The specified parameter is invalid. The value that can be specified for a pattern attribute of the WritingPattern element is a hexadecimal number from "*Min. parameter value*" to "*Max. parameter value*" bytes.	Revise the request, and then retry.
KAIC07979-E	The specified last WritingPatterns element parameter is invalid.	Check the request, and then retry.
KAIC07980-E	The specified parameter is invalid. "*element-name*" "*attribute-name-of-element*" : "*attribute-value-of-element*"	Make sure that the specified parameter is valid, and then retry.
KAIC07981-E	The stripe sizes of the LDEVs do not match. The LUSE (devNum = "*Device number*") cannot be created.	Make sure the LDEV specifications are correct.
KAIC07982-E	The specified stripeSizeInKB is invalid.	Check the request, and then retry.
KAIC07983-E	An attempt to execute the request has failed. The specified replication function is not supported in this storage system.	Revise the request, and then try again.
KAIC07984-E	An attempt to execute the request has failed. The specified replication operation is not supported for this storage system.	Check the microcode version of the storage system.
KAIC07985-E	An attempt to execute the request has failed. The specified replication operation cannot be performed for the emulation type of this volume.	Revise the request, and then try again.

Message ID	Message Text	Description
KAIC07986-E	An attempt to execute the request has failed. There is no specified journal group.	Revise the request, and then try again.
KAIC07987-E	An attempt to execute the request has failed. The journal group cannot be used because the journal volume is not registered.	Revise the request, and then try again.
KAIC07988-E	An attempt to execute the request has failed. The specified journal group is already being used by the mainframe function.	Revise the request, and then try again.
KAIC07989-E	An attempt to execute the request has failed. The specified journal group is already used as a primary journal group or secondary journal group.	Revise the request, and then try again.
KAIC07990-E	An attempt to execute the request has failed. The specified MU number cannot be used.	Revise the specification, and then retry.
KAIC07991-E	An attempt to execute the request has failed. The combination of the journal groups is invalid.	Revise the request, and then try again.
KAIC07992-E	An attempt to execute the request has failed. The CLPR of the pair volume does not match the CLPR of the journal volume that configures the journal group.	Revise the request, and then try again.
KAIC07993-E	An attempt to execute the request has failed. The combination of the journal group and the replication group is invalid.	Revise the request, and then try again.
KAIC07994-E	An attempt to execute the request has failed. All replication pairs in the same replication group must use the same journal group.	Revise the request, and then try again.
KAIC07995-E	The requested operation could not be performed. The specified LU is being used for a *PP Name (Dynamic Provisioning)* pool, and cannot be used as the P-VOL or S-VOL.	Revise the LU specification.
KAIC07996-E	Cannot use volume A *PP Name (Dynamic Provisioning)*as the P-VOL or S-VOL for replication function: *PP Name (TrueCopy,*	Revise the LU specification. Notes For VSP and USP V/VM (microcode version 60-02-48-*XX/XX* or later) storage systems,

Message ID	Message Text	Description
	TrueCopyAsync, QuickShadow, UniversalReplicator)	DP volumes can be used for QuickShadow P-VOLs.
KAIC07997-E	The requested operation could not be performed. If you use a *PP Name (Dynamic Provisioning)* volume as the S-VOL for *PP Name (ShadowImage)*, you must also use a *PP Name (Dynamic Provisioning)* volume as the P-VOL.	Revise the LU specification.
KAIC07998-E	An attempt to execute the request has failed. The CLPR of the pair volume does not match the CLPR of the pair volume that belongs to the journal group.	Revise the request, and then try again.
KAIC07999-E	The resource is not reserved. Another task might be using the target resource. Check the status of the tasks.	Check the status of the tasks.
KAIC08000-E	A part that differs from the actual machine was found in the storage system information. Refresh the storage system. If you are a local user, contact the system administrator.	The Device Manager server might not contain the latest storage system information. Refresh the information by using the GUI refresh function, or by executing AddStorageArray of the API.
KAIC08001-E	A part that differs from the actual machine was found in the storage system information. Refresh the storage system. If you are a local user, contact the system administrator. (error = "*error*")	The Device Manager server might not contain the latest storage system information. Refresh the information by using the GUI refresh function, or by executing AddStorageArray of the API.
KAIC08002-E	"FreeSpace" cannot be specified. Revise the "bulk", "dividebycap", and "dividebynum" options, and then retry.	Revise the option specification.
KAIC08003-E	This API version does not support batch operations on Lus.	Make sure that the API version supports the command.
KAIC08004-E	An attempt to execute a request has failed. The combination of options "*option name*" and "*option name*" is invalid.	Revise the option specification.
KAIC08005-E	The number of LUs that can be deleted cannot exceed "*maximum number of LUs*".	Specify a valid value.
KAIC08006-E	Batch deletion is not possible for LUs whose emulation is not OPEN-V. (devNum = *device number*)	Revise the LU specification, and then try again.

Message ID	Message Text	Description
KAIC08007-E	An LDEV (devNum = *device number*) that has a path defined cannot be deleted.	Defined paths must be deleted before deleting LDEVs.
KAIC08008-E	An LDEV (devNum = *device number*) that has a LUSE defined cannot be deleted.	LUSEs must be deleted before deleting LDEVs.
KAIC08009-E	The specified array group does not exist in the Device Manager database.	Revise the array group specification.
KAIC08010-E	The specified array group does not have sufficient free space.	Revise the array group specification.
KAIC08011-E	The Device Manager database does not have sufficient free space.	Revise the free space specification.
KAIC08012-E	A *PP Name (Dynamic Provisioning)* volume (devNum = *device number*) cannot be deleted in Device Manager.	Revise the LU specification.
KAIC08013-E	An attempt to execute a request has failed. When "*option name*" is specified, "*option name*" must also be specified.	Revise the request, and then try again.
KAIC08014-E	This storage system does not support batch operations on LUs.	Check the storage system.
KAIC08015-E	Batch creation is not possible for LUs whose emulation is not OPEN-V.	Revise the emulation type specification.
KAIC08016-E	The request syntax is incorrect. The attribute "*attribute-name*" is not specified in the element "*element-name*".	Revise the request syntax, and then try again.
KAIC08017-E	The request syntax is incorrect. The value "*attribute-value*" (specified for the attribute "*attribute-name*" in the element "*element-name*") is duplicated.	Revise the request syntax, and then try again.
KAIC08018-E	The request syntax is incorrect. The attribute "*attribute-name*" is not specified in the element "param" (name = "*element-name*").	Revise the request syntax, and then try again.
KAIC08019-E	Execution of the request failed. The value "*attribute-value*" (specified for "Type" in the parameter "*parameter-name*") is invalid.	Revise the request syntax, and then try again.

Message ID	Message Text	Description
KAIC08020-E	Execution of the request failed. The value "*attribute-value*" (specified for "value" in the parameter "*parameter-name*") is invalid. Specify the value as "*valid-values (only "2")*".	Revise the request syntax, and then try again.
KAIC08021-E	Execution of the request failed. The value "*attribute-value*" (for "value" in the parameter "*parameter-name*") is invalid. Specify a value that is no more than "*max-character-string-length*" characters.	Revise the request syntax, and then try again.
KAIC08022-E	Execution of the request failed. The value "*attribute-value*" (for attribute "*attribute-name*" in element "*element-name*") is invalid.	Revise the request syntax, and then try again.
KAIC08023-E	Execution of the request failed. If the parameter "*parameter-name*" is specified, the parameter "*parameter-name*" must also be specified.	Revise the request syntax, and then try again.
KAIC08024-E	Execution of the request failed. The value "*attribute-value*" (for "value" in the parameter "*parameter-name*") is invalid. Specify a size that is within the free-disk space of "InPool".	Revise the request syntax, and then try again.
KAIC08025-E	The request syntax is incorrect. The invalid attribute "*attribute-name*" is specified in the element "*parameter-name*".	Revise the request syntax, and then try again.
KAIC08026-E	The request syntax is incorrect. The child element "ArrayValue" must be specified for the parameter "*parameter-name*".	Revise the request syntax, and then try again.
KAIC08027-E	Execution of the request failed. The value "*attribute-value*" (for the attribute "value" of the child element "ArrayValue" in the parameter "*parameter-name*") is invalid.	Revise the request syntax, and then try again.
KAIC08028-E	An attempt to execute a request has failed. The number of child elements for parameters "*parameter-name*" and "*parameter-name*" are not the same.	Revise the request syntax, and then try again.

Message ID	Message Text	Description
KAIC08029-E	The request has failed. The *PP Name* pair could not be created in the specified storage system.	Revise the request, and then retry the operation.
KAIC08030-E	The specification method (*method-name*) cannot be executed. Wait a while, and then try again. (object path = *object-path*)	If this problem persists, contact the Support Center.
KAIC08031-E	The specified EVS cannot be used. Change the EVS to a usable state, and then try again.	Change the EVS to a usable state, and then try again.
KAIC08032-E	The file system cannot be created because there is not enough free space in the storage pool. Make free space in the storage pool, and then try again.	Make free space in the storage pool, and then try again.
KAIC08033-E	The specified storage pool cannot be used. Change the storage pool to a usable state, and then try again.(*parameter-name*,*parameter-name*)	Change the storage pool to a usable state, and then try again.
KAIC08034-E	The specified NFS export name (*NFS export name*) is already in use. Specify a different name.	Specify a different NFS export name.
KAIC08035-E	The Admin Services settings are incorrect. Check the Admin Services settings.	Check the Admin Services settings.
KAIC08036-E	Admin Services is not configured. Configure Admin Services.	Configure the settings for Admin Services.
KAIC08037-E	This operation is not supported in the firmware version of one or more NAS Platforms in the server/cluster. Update the firmware version to a version that is supports this operation.	Update the firmware version to a version that supports this operation.
KAIC08038-E	Some NAS Platforms in the server/cluster have different firmware versions. Make the firmware versions of all the NAS Platforms the same.	Make the firmware versions of all the NAS Platforms in the server/cluster the same.
KAIC08039-E	Some NAS Platforms in the server/cluster have a firmware version that is newer than that of NAS Manager. Update the NAS Manager firmware version to one that is the same as or newer than the firmware versions of the NAS Platforms.	Update the NAS Manager firmware version to one that is the same as or newer than the firmware versions of the NAS Platforms.
KAIC08040-E	A license that is needed to configure a CIFS share is not	Install a valid license, and then synchronize the information with

Message ID	Message Text	Description
	installed. Install a valid license, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC08041-E	No license is set for the CIFS share settings, or the registered license has expired. Register a valid license, and then use NAS Manager to synchronize NAS Manager with the Device Manager server.	Register a valid license, and then use NAS Manager to synchronize NAS Manager with the Device Manager server.
KAIC08042-E	The license needed to configure an NFS share is not installed. Install a valid license and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.	Install a valid license and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager.
KAIC08043-E	No license is set for the NFS share settings, or the registered license has expired. Register a valid license, and then use NAS Manager to synchronize NAS Manager with the Device Manager server.	Register a valid license, and then use NAS Manager to synchronize NAS Manager with the Device Manager server.
KAIC08044-E	Acquisition of the NAS Platform firmware versions and the NAS Manager version information failed. Wait a while, and then perform the operation again. If this problem persists, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then try again.	Wait a while, and then perform the operation again. If this problem persists, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then try again.
KAIC08045-E	An attempt to enable the On Demand Allocation setting for the file system failed, and the setting might be disabled. The maximum capacity available to allocate might already be specified for the file system. Verify the status of the corresponding file system. If you want to enable the On Demand Allocation setting, specify a capacity greater than the current specified capacity.	Verify the status of the corresponding file system. If you want to enable the On Demand Allocation setting, specify a capacity greater than the current specified capacity.
KAIC08046-E	The specified volume type (*volume-type (LUSE or Dynamic Provisioning)*) cannot be used as	To perform this operation, update the microcode version.

Message ID	Message Text	Description
	a pool volume in this storage system microcode version (*microcode-version*).	
KAIC08047-E	In this API version, the "*PP Name*" virtual volumes operation for the specified storage system is not supported.	Check the API versions supported by this storage system.
KAIC08048-E	The microcode version of this storage system cannot be used to configure the "Over Provisioning Limit Enforcement" settings.	Check the microcode version of the storage system.
KAIC08049-E	The shares or exports "*share or export name*" related to the selected file system"*filesystem-name*" are reserved. Make sure that no problem will occur if you perform this operation. If no problem will occur, cancel any tasks being performed on the shares or exports, and then retry the operation.	Make sure that no problem will occur if you perform this operation. If no problem will occur, cancel any tasks being performed on the shares or exports, and then retry the operation.
KAIC08050-E	Initialization of Replication analysis function failed.	To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIC08051-E	Error occurred when collecting config information for Replication analysis. (Details:*error-details*)	This error is caused by the previous error. Perform the recommended action for the previous error. If, after performing the recommended actions this error persists, or if the recommended actions do not apply, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08052-E	Error occurred when collecting performance information for Replication analysis. (Details:*error-details*)	This error is caused by the previous error. Perform the recommended action for the previous error. If, after performing the recommended actions this error persists, or if the recommended actions do not apply, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08053-E	Collection of performance data failed. Device Manager does not	To collect performance data from Performance Advisor, use Performance Advisor version 6.1.1 or later.

Message ID	Message Text	Description
	support Performance Advisor version *version*.	
KAIC08054-E	The execution environment of Replication TAB is invalid.	Check the following items: • Valid license of Replication Manager is registered. • Valid license of Tuning Manager is registered. The configuration of the connection between Tuning Manager and Replication TAB function is done. • Replication TAB function is enabled.
KAIC08055-E	"*parameter-name*" needs to be specified as greater value of "*parameter-name*"	Revise the request, and then try again.
KAIC08056-E	An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*".	Revise the request, and then try again.
KAIC08057-E	The specified parameters are not enough. In order to execute this command following parameters need to be specified simultaneously. (*parameter needs to be specified simultaneously*)	Revise the request, and then try again.
KAIC08058-E	The required parameters are not specified. "objectid" or combined parameters of "hostname", "instancenumber" and "copygroupname" need to be specified.	Please specify "objectid" or the parameter combination of "hostname", "instancenumber" and "copygroupname".
KAIC08059-E	The copy type of the copy group is not *copy type*.	Check the copy type. If the status of the copy pairs is Simplex, create the copy pairs. Then retry the command execution with "refreshconfiguration=true".
KAIC08060-E	The specified type of copy group is not "*copy type*".	Check the copy type. If the status of the copy pairs is Simplex, create the copy pairs and execute `RefreshReplicationPaerformanceData` command with "refreshconfiguration=true". Then retry the operation.
KAIC08100-E	You have already selected another storage system ("*storage-system-name*"). You can reserve only one storage system at a time.	Release the reservation on the other storage system, and then retry the operation.

Message ID	Message Text	Description
KAIC08101-E	The storage system has been reserved by user "*user-name*".	After the storage system reservation has been released, retry the operation.
KAIC08102-E	A reserved storage system cannot be deleted.	After the storage system reservation has been released, retry the operation.
KAIC08103-E	The properties, except for the name of the reserved storage system, cannot be changed.	After the storage system reservation has been released, retry the operation.
KAIC08104-E	Another application has already reserved the specified storage system. Only the reserving application can perform operations now.	Retry the operation from the reserving application.
KAIC08105-E	The storage system is not reserved, or the reservation was released because the time limit was exceeded.	Check whether the reservation has been released.
KAIC08106-E	The specified command is not available for reserved storage systems.	After the storage system reservation has been released, retry the operation.
KAIC08107-E	The reservation status has been changed.	Retry the operation.
KAIC08108-E	The specified command cannot be executed using the storage system microcode version "*microcode-version*".	Make sure the microcode version of the storage system is correct.
KAIC08109-E	The external parity group cannot be deleted because it is connected to an iSCSI port. Use the GUI to delete the external parity group.	Use the GUI to delete the external parity group.
KAIC08110-E	This command cannot be executed because, for the specified storage system, only one *PP Name (Dynamic Provisioning)* volume can be added to an array group.	Revise the request, and then try again.
KAIC08111-E	This command cannot be executed because, for the specified storage system, the array group must be specified.	Revise the request, and then try again.
KAIC08112-E	The specified external array group "*external array group name*" cannot be deleted because Device Manager does not contain any externally mapped volume information for the external array group.	Revise the external array group information.

Message ID	Message Text	Description
KAIC08113-E	The specified external array group "*external array group name*" cannot be deleted because the emulation type is not OPEN-V.	Revise the external array group information.
KAIC08114-E	The number of drive types for the array groups that make up a *PP-name (Dynamic Provisioning)* pool cannot be more than *maximum-number-of-drive-types*.	Revise the pool volume specification so that the number of drive types is no more than *maximum-number-of-drive-types*.
KAIC08115-E	The cache modes of all external volumes must be enabled.	Verify that the cache modes of all external volumes are enabled.
KAIC08116-E	The request has failed. For *PP Name*, S-VOL must be *PP Name* V-VOL.	Revise the LU specification.
KAIC08117-E	This command cannot be executed for *PP name* pools.	Revise the request.
KAIC08118-E	This command cannot be executed for *PP name* virtual volumes.	Revise the request.
KAIC08119-E	The value of the *attribute-name* attribute (*attribute-value*) is greater than the value of the *attribute-name* attribute (*attribute-value*).	Revise each attribute.
KAIC08120-E	You do not have *Permission name* permission for the target storage system.	Verify that you have *Permission name* permission for the target storage system.
KAIC08121-E	You do not have *Permission name* permission for "*Resource name*".	Verify that you have *Permission name* permission for "*Resource name*".
KAIC08122-E	The interval between the monitoring start (*monitoring start time*) and end time (*monitoring end time*) is less than 1 hour.	Specify a monitoring interval of at least one hour.
KAIC08123-E	The specified LDEV cannot be reserved because its emulation type is "*emulation type*".	Revise the request.
KAIC08124-E	An LDEV whose emulation type is "*emulation type*" cannot be used as a source or target volume.	Revise the request.
KAIC08125-E	All the *device kind*s that make up a *target* must have the same resource group.	Revise the *device kind*.
KAIC08126-E	"*target*" does not exist.	Specify an "*target*" that exists in the DeviceManager.

Message ID	Message Text	Description
KAIC08127-E	"*target*" already set a relation.	Verify the relation state of object, and specify object which is without a relation.
KAIC08128-E	"*target*" already released a relation.	Verify the relation state of object, and specify object which is with a relation.
KAIC08129-E	"*target*" already exists.	Sspecify an "*target*" that does not exist in the DeviceManager.
KAIC08130-E	Invalid parameter: "*target*"	Make sure that the parameter is valid.
KAIC08131-E	The tiering policy "*tiering policy*" is invalid. Specify a value from *minimum-value* to *maximum-value*.	Specify a valid tiering policy, and then try again.
KAIC08132-E	Tiering policies are not supported on the specified storage system microcode version.	Verify the storage system microcode version.
KAIC08133-E	A required parameter is not specified. Specify either attribute "*attribute-name-1*" of element "*element-name-1*" or attribute "*attribute-name-2*" of element "*element-name-2*".	Specify the required parameters, and then try again.
KAIC08134-E	The specified volume (*DevNum*) cannot be used as a source or target volume because a data placement profile has been applied.	Release the data placement profile, and then retry the operation.
KAIC08135-E	You can execute only a single operation at the same time on all specified pools.	Revise the operation parameters of all specified pools.
KAIC08136-E	All of the specified pools must belong to the same storage system.	If multiple pools are specified, make sure that all of the specified pools belong to the same storage system.
KAIC08137-E	The request failed for the following pools. (*failed poolID*)	Check the state of the pools for which the request failed.
KAIC08138-E	This operation cannot be performed on pools that are not managed by using tiers (*failed poolID*).	Specify only pools that are managed by using tiers.
KAIC08139-E	This operation cannot be performed on more than 128 pools.	Specify no more than 128 pools.
KAIC08140-E	You cannot execute this operation for pool (*PoolID*) for which tier management is not set to manual.	Set the tier management of the pool to manual.

Message ID	Message Text	Description
KAIC08141-E	A parameter is not specified. Specify one of the following: "*attribute-name-1*", "*attribute-name-2*", or "*attribute-name-3*".	Specify the required parameter.
KAIC08142-E	The tier relocation "*tier relocation*" is not valid. Specify "*0*" or "*1*".	Specify a valid tier relocation.
KAIC08143-E	The specified host "*host-name*" is already in use.	Specify the `overwrite` option or revise the host name and retry.
KAIC08144-E	The specified host "*host-name*" cannot be changed because it was not added manually.	Revise the host specification and retry.
KAIC08145-E	osType "*osType*" cannot be specified for the specified host "*host-name,*".	Revise the osType specification and retry.
KAIC08146-E	The number of specified hosts is too large.	Specify the number of hosts as "*count*" or fewer.
KAIC08147-E	If multiple "*element-name-1*" elements are specified, the "*attribute-name*" attribute of the "*element-name-2*" element must also be specified.	Revise the request and retry.
KAIC08148-E	All child "*element-name*" elements must be the same.	Revise the request and retry.
KAIC08149-E	If the "*element-name-1*" element is specified, the "*attribute-name*" attribute of the "*element-name-2*" element cannot be specified.	Revise the request and retry.
KAIC08150-E	Multiple "*element-name-2*" elements cannot be specified as child elements of the "*element-name-1*" element.	Revise the request and retry.
KAIC08151-E	If multiple "*element-name*" elements are specified, "*attribute-name-1*" and "*attribute-name-2*" elements cannot be specified.	Revise the request and retry.
KAIC08152-E	If the "*element-name-1*" element is specified, the "*attribute-name*" attribute of the "*element-name-2*" element must also be specified.	Revise the request and retry.
KAIC08153-E	If multiple "*element-name-1*" elements are specified, the "*element-name-2*" element cannot be specified.	Revise the request and retry.

Message ID	Message Text	Description
KAIC08154-E	If the "*element-name*" element is unique, the parent element must also be unique.	Revise the request and retry.
KAIC08155-E	If multiple "*element-name-1*" elements are specified, the "*attribute-name*" attribute of the "*element-name-2*" element cannot be specified.	Revise the request and retry.
KAIC08156-E	A response cannot be sent because there are more than 4,096 resources (logical groups, hosts, logical units) to return. (logical groups: "*logicalGroupNum*", hosts: "*hostNum*", logical units: "*logicalUnitNum*") Verify the numOfHosts and numOfLUs values, separate the request into requests that are less than 4,096 resources each, and retry.	Verify the numOfHosts and numOfLUs values, separate the request into requests that are less than 4,096 resources each, and retry.
KAIC08157-E	A response cannot be sent because there are more than 4,096 resources (logical groups, hosts, logical units) to return. Verify the numOfHosts and numOfLUs values, separate the request into requests that are less than 4,096 resources each, and retry.	Verify the numOfHosts and numOfLUs values, separate the request into requests that are less than 4,096 resources each, and retry.
KAIC08158-E	A database error occurred during collection of performance data. (resource name = "*resourceName*")	A detailed investigation to determine the cause of the problem is required. Collect error information and contact the Support Center.
KAIC08159-E	Collection of Tuning Manager data failed. (resource name = "*resourceName*", host name = "*hostName*", protocol = "*protocol*", port number = "*portNumber*", agent name = "*agentName*")	Ensure that Tuning Manager is connected to the agent, and the Tuning Manager server is running. If this problem continues, collect the error information and contact the Support Center.
KAIC08160-E	The external volume tier rank *specified external volume tier rank* is not valid. Specify either: *2* (High), *1* (Middle), or *0* (Low).	Specify a valid external volume tier rank.
KAIC08161-E	The target storage system does not support the external volume tier rank. (microcode version = *microcode version*)	Verify the storage system microcode version.
KAIC08162-E	Tier rank configuration and external pool volume reduction	Revise the command option.

Message ID	Message Text	Description
	cannot be performed at the same time.	
KAIC08163-E	The specified volume (*device number*) is not a pool volume of (*poolID*).	Specify the pool volume for (*poolID*).
KAIC08164-E	The external volume tier rank cannot be specified because the specified volume (*device number*) is not an external pool volume.	Specify an external pool volume as the tier rank.
KAIC08165-E	Device Manager does not support the agent and the agent data model. (resource name = "*resourceName*", host name = "*hostName*", protocol = "*protocol*", port number = "*portNumber*", agent name = "*agentName*")	Check which agent and agent data model versions are supported by Device Manager for collecting data. See the Tuning Manager manual for information.
KAIC08166-E	The specified storage system does not support the tiering policy configuration. (microcode version = *microcode version of the specified storage system*)	Verify the microcode version of the storage system.
KAIC08167-E	No parameters are specified for the "*element name*" element. Specify one of the following attributes: "*attribute name 1*", "*attribute name 2*", "*attribute name 3*", or "*attribute name 4*".	Specify the required parameters, and then try again.
KAIC08168-E	The specified tiering policy does not exist in the Device Manager database.	Specify a valid tiering policy, and then try again.
KAIC08169-E	The allocation threshold specified for the tiering policy is not valid. Specify a value in the range from *minimum value* to *maximum value* in the interval *interval*.	Specify a valid allocation threshold for the tiering policy, and then try again.
KAIC08170-E	The upper or lower limit for the allocation threshold of the tiering policy is not valid. Specify an upper limit that is equal to or greater than the lower limit.	Specify valid upper and lower limits for the tiering policy allocation threshold, and then try again.
KAIC08171-E	A lower limit specified for the tiering policy allocation threshold is not valid. Specify values so that the sum of the lower limit values for tier 1 and tier 3 is less than or equal to *maximum value*.	Specify valid lower limit values for the tiering policy allocation threshold, and then try again.
KAIC08172-E	An attempt to execute the request has failed. Multiple pairs	Revise the request, and then retry the operation.

Message ID	Message Text	Description
	for one P-VOL of *PP Name* cannot be restored at the same time.	
KAIC08173-E	The storage system whose microcode version is *microcode version* could not be set as a *PP name (Global Active Device)* pair volume, because the specified LU (device number *device number*) is not *volume attribute* of *PP name*. Only a storage system whose microcode version is *microcode version* or later can be set as a pair volume.	To complete this task, upgrade to the current microcode version.
KAIC08174-E	The request could not be completed because the primary volume and secondary volume of the *PP name (Global Active Device)* pair to be created do not meet any of the following conditions: (1) The attribute of the volumes is *Volume attribute* of *PP name*. (2) Both volumes are internal volumes. (3) Both volumes are external volumes. Check and, if necessary, revise the primary volume and secondary volume of the *PP name (Global Active Device)* pair to be created, and then try again.	Check and, if necessary, revise the primary volume and secondary volume of the *PP name (Global Active Device)* pair to be created, and then try again.
KAIC08176-E	The request failed. The name of the specified Snapshot Group contains an invalid character. Device Manager cannot handle a Snapshot Group name that contains characters other than the following: 0-9 a-z A-Z , - . / : @ \ _	To add a pair, select a different SnapshotGroup. In other cases, perform the operation by using the management tool that was used to add the specified pair.
KAIC08177-E	The tier relocation speed is invalid. Specify a value from *minimum-value* to *maximum-value*.	Specify a valid tier relocation speed, and then try again.
KAIC08178-E	A volume of RAID level *RAID level* cannot be used as a pool volume of *PP name (Dynamic Provisioning)*. (device number = *device number*)	Revise the volume specifications, and then try again.
KAIC08180-E	Device Manager does not support requests that specify the lba attribute of the LDEV element in the specified storage system.	Revise the request, and then try again.
KAIC08181-E	A parameter is not specified. Specify one of the following attributes: "*attribute-name-1*",	Specify the required parameters, and then try again.

Message ID	Message Text	Description
	"*attribute-name-2*", "*attribute-name-3*" or "*attribute-name-4*".	
KAIC08182-E	You cannot combine the specified platform (*platform-name*) and middleware (*middleware-name*).	Revise the request, and then try again.
KAIC08183-E	You cannot combine the specified platform (*platform-name*), alternate path (*alternatepath-name*), and failover (*failover-name*).	Revise the request, and then try again.
KAIC08184-E	The value (parameter="*parameter-name*", value="*value*") is invalid for the specified storage system.	Revise the request, and then try again.
KAIC08185-E	This microcode version *microcode-version* of the storage system does not support automatically choosing host mode and host mode2 options.	Make sure the microcode version of the storage system is correct.
KAIC08186-E	You cannot specify more than one Snapshot Group.	Check the request, revise if needed, and retry again.
KAIC08187-E	A parameter is not specified : SnapshotGroup "objectID" or "groupName".	Specify either "objectID" or "groupName" for SnapshotGroup.
KAIC08188-E	You cannot perform this task because the specified group is a Consistency Group.	You cannot add a pair to a Consistency Group. Specify a Snapshot Group that is not a Consistency Group.
KAIC08189-E	You cannot run this command. You must enable the user authentication mode for all the command devices to be recognized by the specified host (hostname="*Host-name*", hostid="*Host-ID*).	Make sure that you enable the user authentication mode for all the command devices recognized by the host, and then run the "`HiScan`" command from the host agent.
KAIC08190-E	The volume "*device-number*" cannot be used for a journal volume because it is not a "*volume-attribute*" of "*PP Name*".	Revise the volume specification, and then retry the operation.
KAIC08191-E	A volume whose capacity is less than *capacity* cannot be used as a Quorum Disk. Specify a volume whose capacity is at least *capacity*.	Specify a volume whose capacity is at least *capacity*.
KAIC08192-E	The quorum disk ID could not be set, because the families of the storage systems that are to share the quorum disk are different. Revise the specified storage systems.	Revise the specified storage systems.

Message ID	Message Text	Description
KAIC08193-E	The *PP Name (global-active device)* pair could not be created, because the families of the storage systems are different between the primary volume and the secondary volume. Revise the specified storage systems.	Revise the specified storage systems.
KAIC08194-E	The virtual emulation type (*virtual emulation type*) of the specified volume is invalid. Change the virtual emulation type of the volume to OPEN-V.	Change the virtual emulation type of the volume to OPEN-V.
KAIC08195-E	The microcode of the specified storage system does not support *PP Name (global-active device)* consistency groups. Confirm that the storage system is using the correct microcode version.	Confirm that the storage system is using the correct microcode version.
KAIC08196-E	The same IP address has been set for the globalAddress1 attribute and the globalAddress2 attribute of the specified port (*port-information*).	Set different IP addresses for the `globalAddress1` attribute and the `globalAddress2` attribute.
KAIC08197-E	You cannot set a valid IP address for the globalAddress2 attribute of the specified port (*port-information*), because an invalid IP address is currently set for the globalAddress1 attribute.	Revise the settings for the specified port, and then try again.
KAIC08198-E	You cannot set an invalid IP address for the globalAddress1 attribute of the specified port (*port-information*), because a valid IP address is currently set for the globalAddress2 attribute.	Revise the settings for the specified port, and then try again.
KAIC08200-E	The host could not be added because the data collected from Host Data Collector is invalid. Revise the conditions and settings for the target host. (data that failed to be collected = *The-data-that-failed-to-be-collected*, host name or IP address = *target-host-name-or-IP-address*, Host Data Collector information: host name or IP address = *Host-Data-Collector-host-name-or-IP-address*, RMI registry port = *Host-Data-Collector-RMI-registry-port-number*, RMI server port = *Host-Data-Collector-RMI-server-port-number*, class loader port =	Confirm that the target host OS is supported by Host Data Collector. If the OS is supported, confirm that the host is running properly, and then retry the operation. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
	Host-Data-Collector-class-loader-port-number)	
KAIC08201-E	An attempt to execute a request has failed. The specified replication function is not supported by the storage system.	Check and, if necessary, revise the request, and then try again.
KAIC08202-E	An attempt to execute a request has failed. Device Manager does not support the *PP-name* function for the specified storage system.	Check and, if necessary, revise the request, and then try again.
KAIC08203-E	A CIFS share cannot be configured because status ("*filesystem-name*") of the specified file system is *filesystem-status*. Check and, if necessary, revise the status of the file system, and then confirm whether the file system is in a status in which CIFS shares can be configured.	Check and, if necessary, revise the status of the file system, and then confirm whether the file system is in a status in which CIFS shares can be configured.
KAIC08204-E	A NFS share cannot be configured because status ("*filesystem-name*") of the specified file system is *filesystem-status*. Check and, if necessary, revise the status of the file system, and then confirm whether the file system is in a status in which NFS shares can be configured.	Check and, if necessary, revise the status of the file system, and then confirm whether the file system is in a status in which NFS shares can be configured.
KAIC08207-E	This operation cannot be executed because the Device Manager server does not have the latest NAS Platform information. Use NAS Manager to synchronize the information between NAS Manager and the Device Manager server.	Use NAS Manager to synchronize the information between NAS Manager and the Device Manager server.
KAIC08208-E	The specified file system ("*filesystem-name*") cannot be configured because the file system status is *filesystem-status*. If necessary, revise the file system status, and then confirm that the file system can be configured while in this status.	If necessary, revise the file system status, and then confirm that the file system can be configured while in this status.
KAIC08209-E	The selected file system ("*filesystem-name*") cannot be set to "On Demand Allocation" because the related storage pool ("*storagepool-name*") allows only "Full Allocation". If you want to keep "Full Allocation" and expand the file system, proceed by using	If you want to keep "Full Allocation" and expand the file system, proceed by using NAS Manager. If you want to use "On Demand Allocation", you must first change the storage pool setting in NAS Manager, and then synchronize the information with

Message ID	Message Text	Description
	NAS Manager. If you want to use "On Demand Allocation", you must first change the storage pool setting in NAS Manager, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC08210-E	The operation cannot be executed because Device Manager server does not recognize a specified option.	Do one of the following: • Check whether the specified option is supported in the storage system. • Refresh the storage system to get the latest information. If the error persists, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08213-E	The specified WWN "*WWN*" is not available. This nickname is already used by host group on the same port.	Specify a WWN that is not used by host group on the same port, and then retry.
KAIC08214-E	The specified source storage system was not found. Revise your specification, and then try again.	Revise your selection, and try again.
KAIC08215-E	The specified target storage system was not found. Revise your specification, and then try again.	Revise your selection, and try again.
KAIC08216-E	A migration project exists whose source storage system is the same as the specified source storage system (*name of source storage system*). One source storage system cannot be migrated to more than one target storage system. If you want to change the target storage system, delete the existing migration project that has the same source storage system, and then try again.	If you want to change the target storage system, delete the existing migration project that has the same source storage system, and then try again.
KAIC08217-E	The specified storage system is not supported as a source. Revise your selection, and try again.	Revise your selection, and try again.
KAIC08218-E	The specified storage system is not supported as a target. Revise your selection, and try again.	Revise your selection, and try again.

Message ID	Message Text	Description
KAIC08219-E	The specified source storage port was not found. Revise your specification, and then try again.	Revise your selection, and try again.
KAIC08220-E	The specified migration project was not found. Revise your specification, and then try again.	Revise the specified migration project, and then try again.
KAIC08221-E	The specified migration project cannot be deleted because some migration jobs are scheduled or running. Wait for the completion of all the migration jobs, and then try again.	Wait for the completion of all the migration jobs, and then try again.
KAIC08222-E	The specified target storage port was not found. Revise your specification, and then try again.	Revise your selection, and then try again.
KAIC08223-E	The source storage port does not exist in the source storage system (*name of source storage system*). Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08224-E	The target storage port does not exist in the target storage system (*name of target storage system*). Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08225-E	The port mappings of the source storage port (*displayname of source port*) and target storage port (*displayname of target port*) are duplicated. Revise the specified ports, and then try again.	Revise the specified ports, and then try again.
KAIC08226-E	The source storage port (*displayname of source port*) is duplicated in the migration project. Revise the specified source port, and then try again.	Revise the specified source port, and then try again.
KAIC08227-E	Port mappings of the source storage port (*displayname of source port*) and target storage port (*displayname of target port*) already exist. Revise your port specification, and then try again.	Revise the specified ports, and then try again.
KAIC08228-E	The specified storage pool name (*storage-pool-name*) already exists as a file system name or a storage pool name. Specify another storage pool name, and then try again.	Specify another storage pool name, and then try again.

Message ID	Message Text	Description
KAIC08229-E	The system drive (ID = *system-drive-ID*) that is related to the selected parity group (*parity-group*) is already in use by another storage pool (*storage-pool-name*). Retry the operation.	Retry the operation.
KAIC08230-E	Device Manager does not support this operation for tiered storage pool (*storage-pool-name*). Use NAS Manager.	Use NAS Manager.
KAIC08231-E	The selected storage pool (*storage-pool-name*) cannot be deleted because one or more file systems are associated with it. Delete all file systems associated with the selected storage pool, and then retry the operation.	Delete all file systems associated with the selected storage pool, and then retry the operation.
KAIC08232-E	Information about the storage system (*storage-system-name*) or server/cluster (*server/cluster*) related to the target storage pool is not the most recent information. Refresh the storage system information, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation.	Refresh the storage system information, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC08233-E	The *parameter-name* specified does not exist on the server or cluster *server or cluster name*. Specify a different value, and then try again.	Specify a different value, and then try again.
KAIC08234-E	The specified operation cannot be executed because the status of the selected storage pool (*storage-pool-name*) is "Not Healthy". The status of the system drives that make up the storage pool might not be correct. Change the status of the selected storage pool to a usable state, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation.	Change the status of the storage pool to usable state, and ynchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC08235-E	The specified operation cannot be executed because the storage pool "*storage-pool-name*" is managed by "*server/cluster*".	Selet the storage pool managed by "*server/cluster*", and then retry the operation.

Message ID	Message Text	Description
	Select a storage pool managed by "*server/cluster*", and then retry the operation.	
KAIC08236-E	The specified operation cannot be executed because the status of the selected storage pool (*storage-pool-name*) is "Pool belongs to another cluster". The selected storage pool is managed by a server or cluster that does not exist in Device Manager. Perform the operation from NAS Manager.	Perform the operation from NAS Manager.
KAIC08237-E	The selected server or cluster will exceed their licensed capacity. Register valid TB license keys or TB license key files. Alternatively, allocate volumes to the server or cluster by using Allocate Volumes dialog, and create or expand the storage pool by using NAS Manager.	Register valid TB license keys or TB license key files. Alternatively, allocate volumes to the server or cluster by using Allocate Volumes dialog, and create or expand the storage pool by using NAS Manager.
KAIC08238-E	The storage pool could not be created or expanded. The number of system drives allocated to a server or cluster has exceeded the upper limit (*None.*). Delete any unnecessary system drives and try again.	Delete any unnecessary system drives and try again.
KAIC08239-E	The operation cannot be executed. Both specified values must be either IP addresses or host names. (IP address = *IP address (host name)*, IP address2 = *IP address (host name)*)	Specify both values as IP addresses or as host names, and then retry the operation.
KAIC08240-E	The specified host name is invalid. You can use the following characters in host names: *Usable characters*	Check and, if necessary, revise the specified host name, and then retry the operation.
KAIC08241-E	The symbols cannot be specified at the beginning or end of the host name "*Host name*".	Check, and if necessary, revise the specified host name, and then retry the operation.
KAIC08243-E	The specified operation cannot be performed because the selected logical group is an automatically generated logical group. (logical group path = *logical-group-path*)	Check the logical group, and try again.
KAIC08244-E	The detected UUID of the virtualization server for the specified IP address (*destination-IP-address*) is different from the UUID of the virtualization server	Depending on the version of the target host (a virtualization server), the UUID of the virtualization server acquired from the Host Data Controller

Message ID	Message Text	Description
	already registered in Device Manager. Delete the virtualization server from Device Manager and try to re-add the server. (virtualization server name=*virtualization-server-name*).	might be incorrect. If this message is displayed after upgrading the virtualization server, delete the virtualization server from Device Manager and try to re-add the server. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who might ask you to collect troubleshooting information.
KAIC08245-E	Device Manager does not support this operation for tiered file system (*file-system-name*). Use NAS Manager.	Use NAS Manager.
KAIC08246-E	The detected UUID of the virtualization server for the specified IP address (*destination-IP-address*) is a duplicate of a UUID of a virtualization server already registered in Device Manager. From Device Manager delete the virtualization server that could not be added. Next, unify the OS versions of the virtualization server to which the host could not be added, and the virtualization server that was deleted. Then, try to add the server again. (virtualization server name = *virtualization-server-name*)	Depending on the version of the target host (a virtualization server), the UUID of the virtualization server acquired from the Host Data Controller might be incorrect. If this message is displayed after upgrading the virtualization server, from Device Manager delete the host that could not be added and unify the OS versions of the server to which the host could not be added, and the host that was deleted. Then, try to add the server again if it is necessary. If this problem persists, detailed investigation is required to find the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08247-E	The specified parameters are invalid. If the dedupeSupported parameter is disabled, the dedupeEnabled parameter cannot be enabled. Revise the specified values, and then retry the operation.	Revise the specified values, and then retry the operation.
KAIC08248-E	There are one or more file systems that cannot be mounted. Check the errors for the file systems that cannot be mounted, and then remove the causes of the errors.	Check the errors for the file systems that cannot be mounted, and then remove the causes of the errors.

Message ID	Message Text	Description
KAIC08249-E	There are one or more file systems that cannot be unmounted. Check the errors for the file systems that cannot be unmounted, and then remove the causes of the errors.	Check the errors for the file systems that cannot be unmounted, and then remove the causes of the errors.
KAIC08250-E	The virtualization server information managed by vMA cannot be changed or refreshed. Switch the management of virtualization servers from vMA to Host Data Collector.	Switch the management of virtualization servers from vMA to Host Data Collector.
KAIC08251-E	The capacity of the file system could not be expanded. Check the status of the file system. If you want to expand the capacity of the file system, specify a value that is greater than the currently-specified value.	Check the status of the file system. If you want to expand the capacity of the file system, specify a value that is greater than the currently-specified value.
KAIC08252-E	The file system cannot be expanded because there is not enough free space in the storage pool. Make free space in the storage pool, and then try again.	Make free space in the storage pool, and then try again.
KAIC08255-E	Execution of the request failed. If Device Manager supports the specified *PP Name* pair, then a *PP Name* V-VOL must be specified for the S-VOL.	Revise the specified LUs.
KAIC08256-E	The specified snapshot group is not available, because it is being used for a cascade pair or a pair that has the clone attribute. Create a new snapshot group or specify a snapshot group that is not being used for a cascade pair or a pair that has the clone attribute.	Revise the specified snapshot group.
KAIC08257-E	The requested operation cannot be performed, because the *PP Name* pair is a cascade pair or has the clone attribute.	Complete tasks for the specified pair by using the management tool that was used to add the pair.
KAIC08260-E	The specified parity group cannot be added to the specified resource group because the parity group already belongs to another resource group. (chassis number of parity group = *Chassis number*, parity group number = *Parity group number*, ID of specified resource group = *ID of*	Specify a different parity group and a different resource group, and then try again.

Message ID	Message Text	Description
	specified resource group, ID of resource group to which the parity group belongs = *ID of resource group to which the parity group belongs*)	
KAIC08261-E	The specified host group number cannot be added to the specified resource group because the host group already belongs to another resource group. (port ID of host group = *Port ID*, domain ID of host group = *Domain ID*, ID of specified resource group = *ID of specified resource group*, ID of resource group to which the host group belongs = *ID of resource group to which the host group belongs*)	Specify a different host group number and a different resource group, and then try again.
KAIC08262-E	The specified LDEV ID cannot be added to the specified resource group because the LDEV ID already belongs to another resource group. (device number of LDEV ID = *Device number*, ID of specified resource group = *ID of specified resource group*, ID of resource group to which the specified LDEV ID belongs = *ID of resource group to which the LDEV ID belongs*)	Specify a different LDEV ID and a different resource group, and then try again.
KAIC08263-E	The specified port cannot be added to the specified resource group because the port already belongs to another resource group. (port ID = *Port ID*, ID of specified resource group = *ID of specified resource group*, ID of resource group to which the port belongs = *ID of resource group to which the port belongs*)	Specify a different port and a different resource group, and then try again.
KAIC08264-E	The specified operation cannot be performed because the volume that corresponds to the serial number and device number in the configuration file of the specified *P-VOL or S-VOL* cannot be found. (serial number in configuration file = *Serial number in the configuration file(confPvolSerialNumber or confSvolSerialNumber)*, device number in configuration file = *Device number in the configuration file(confPvolDevNum or*	Revise the specification.

Message ID	Message Text	Description
	confSvolDevNum), serial number of corresponding volume = *Serial number(pvolSerialNumber or svolSerialNumber)*, device number of corresponding volume = *Device number(pvolDevNum or svolDevNum)*)	
KAIC08265-E	The specified operation cannot be performed because the P-VOL and S-VOL of the specified pair have different storage-system serial numbers. (serial number of P-VOL = *P-VOL serial number(pvolSerialNumber or confPvolSerialNumber)*, serial number of S-VOL = *S-VOL serial number(svolSerialNumber or confSvolSerialNumber)*, replication function = *replicationFunction*)	Revise the specification.
KAIC08266-E	The specified operation cannot be performed because the device numbers of the P-VOL and S-VOL of the pair are the same. (P-VOL device number = *P-VOL device number(pvolDevNum or confPvolDevNum)*, S-VOL device number = *S-VOL device number(svolDevNum or confSvolDevNum)*, replication function = *replicationFunction*)	Specify volumes whose serial numbers differ.
KAIC08267-E	The specified operation cannot be performed because the serial numbers of the P-VOL and S-VOL of the pair are the same. (P-VOL serial number = *P-VOL device number(pvolDevNum or confPvolDevNum)*, S-VOL serial number = *S-VOL device number(svolDevNum or confSvolDevNum)*, replication function = *replicationFunction*)	Revise the specification.
KAIC08268-E	The specified operation cannot be performed because a volume whose device number is the same as the device number defined for the specified host in the configuration file of the specified *P-VOL or S-VOL* has already been allocated. (specified host = *Host name*, device number in the configuration file = *Device number in the configuration file(confPvolDevNum or confSvolDevNum)*)	Revise the specification.

Message ID	Message Text	Description
KAIC08269-E	The request cannot be executed. If "*model*" is specified for "*ArrayType(pvolArrayType or svolArrayType)*", the "*attribute-name*" attribute cannot be specified.	Revise the request, and then retry it.
KAIC08270-E	The request cannot be executed. Specify the virtual ID of the specified volume. (volume = *Device number(pvolDevNum or svolDevNum)*)	Either specify a different volume or specify the virtual ID of the specified volume, and then retry the operation.
KAIC08271-E	The specified storage system name (*storage system name*) is invalid. Specify a storage system name by using *maximum length of storage system name* characters or less.	Revise the specified storage system name, and then retry the operation.
KAIC08272-E	The specified storage system name "*storage system name*" is invalid because an empty string cannot be specified as a storage system name.	Revise the specified storage system name, and then retry the operation.
KAIC08273-E	The specified storage system name (*storage system name*) is invalid. The storage system name includes one or more invalid characters.	Revise the specified storage system name, and then retry the operation. The following characters can be used for storage system name: `A-Z a-z 0-9 ! # $ ' ( ) + - . = @ [ ] _ ` { } ~` and spaces.
KAIC08274-E	The specified resource group (name = "*resource-group-name*") cannot be deleted because a path is set to the host group (port ID = "*port-ID*", domain ID = "*domain-ID*").	Specify a different host group or delete the paths, and then try again.
KAIC08275-E	The operation is not possible because a data migration using virtual IDs is in progress for the host group (*Host group name*). Revise the specified host group or finish the data migration that uses virtual IDs, and then try again.	Revise the specified host group or finish the data migration that uses virtual IDs, and then try again.
KAIC08276-E	The operation is not possible because a data migration using virtual IDs is in progress for the port (*Port name*). Revise the specified port or finish the data migration that uses virtual IDs, and then try again.	Revise the specified port or finish the data migration that uses virtual IDs, and then try again.
KAIC08277-E	The operation is not possible because data migration that uses	Revise the specified parity group or finish the data migration that

Message ID	Message Text	Description
	virtual IDs is in progress in the parity group (*Parity group name*). Revise the specified parity group or finish the data migration that uses virtual IDs, and then try again.	uses virtual IDs, and then try again.
KAIC08278-E	The operation cannot be performed because the specified volume (devnum = *LDEV ID(devNum)*) is undergoing a data migration that uses virtual IDs that are not managed by Device Manager. Check and, if necessary, revise the volume specification or wait for the data migration to finish, and then try again.	Check and, if necessary, revise the specified volume or wait for the data migration that uses virtual IDs and that is not managed by Device Manager to finish, and then try again.
KAIC08279-E	The operation cannot be performed because the specified host group (*Host group name*) includes a volume undergoing a data migration that uses virtual IDs and that is not managed by Device Manager. Check and, if necessary, revise the specified host group or wait for the data migration to finish, and then try again.	Check and, if necessary, revise the specified host group or wait for the data migration that uses virtual IDs and that is not managed by Device Manager to finish, and then try again.
KAIC08280-E	The operation cannot be performed because a volume undergoing a data migration that uses virtual IDs and that is not managed by Device Manager is assigned to the specified port (*Port name*). Check and, if necessary, revise the specified port or wait for the data migration to finish, and then try again.	Check and, if necessary, revise the specified port or wait for the data migration that uses virtual IDs and that is not managed by Device Manager to finish, and then try again.
KAIC08281-E	The operation cannot be performed because the specified parity group (*Parity group name*) includes a volume undergoing a data migration that uses virtual IDs and that is not managed by Device Manager. Check and, if necessary, revise the specified parity group or wait for the data migration to finish, and then try again.	Check and, if necessary, revise the specified parity group or wait for the data migration that uses virtual IDs and that is not managed by Device Manager to finish, and then try again.
KAIC08282-E	The operation cannot be performed because the specified host group (*Host group name*) includes a volume whose device	Check and, if necessary, revise the specified host group or wait for the data migration to finish, and then try again.

Message ID	Message Text	Description
	number is the same as the virtual ID of a volume undergoing a data migration that uses virtual IDs. Check and, if necessary, revise the specified host group or wait for the data migration to finish, and then try again.	
KAIC08283-E	The operation cannot be performed because the specified port (*Port name*) includes a volume whose device number is the same as the virtual ID of a volume undergoing a data migration that uses virtual IDs. Check and, if necessary, revise the specified port or wait for the data migration to finish, and then try again.	Check and, if necessary, revise the specified port or wait for the data migration to finish, and then try again.
KAIC08284-E	The operation cannot be performed because the specified parity group (*Parity group name*) includes a volume whose device number is the same as the virtual ID of a volume undergoing a data migration that uses virtual IDs. Check and, if necessary, revise the specified parity group or wait for the data migration to finish, and then try again.	Check and, if necessary, revise the specified parity group or wait for the data migration to finish, and then try again.
KAIC08285-E	The size of the SLU to be created exceeds the maximum volume size for the storage container specified for "*attribute name*".	Check and, if necessary, make changes. Then, try again.
KAIC08286-E	The size of the SLU to be created exceeds the free space of the storage container specified for "*attribute name*".	Either increase the free space of the storage container or specify less space than the free space of the storage container. Then, try again.
KAIC08287-E	No relationship between the ALU and the specified host exists.	Register the relationship between the ALU and the specified host, then try again.
KAIC08288-E	The number specified for "*element name*" exceeds *maximum value*.	Change the number specified for "*element name*" to a lower value, and then try again.
KAIC08289-E	Either "*attribute name*" or "*attribute name*" is not specified. You must specify both "*attribute name*" and "*attribute name*".	Check and, if necessary, make changes. Then, try again.
KAIC08290-E	Because the SLU is bound to an ALU, the task cannot be completed.	Check and, if necessary, revise the specification of the SLU, or unbind the SLU, and then try again.

Message ID	Message Text	Description
KAIC08291-E	SLU shrinking cannot be performed.	Check and, if necessary, make changes. Then, try again.
KAIC08292-E	The value specified for "*attribute name*" is not a multiple of the value of "*attribute name*".	Check and, if necessary, make changes. Then, try again.
KAIC08293-E	The capability profile that matches the specified combination of "profileID" and "generationId" was not found in the Device Manager database.	Check and, if necessary, make changes. Then, try again.
KAIC08294-E	Processing cannot be performed because the value specified for "*element name*" (*attribute name = attribute value*) is "*element type*".	Check and, if necessary, make changes. Then, try again.
KAIC08295-E	Processing cannot be performed because the value specified for "*element name*" (*attribute name = attribute value*) is not "*element type*".	Check and, if necessary, make changes. Then, try again.
KAIC08301-E	The operation cannot be performed because virtual LDEV information is already allocated to the specified virtual LDEV. (device number of the specified virtual LDEV = *Device number*)	Specify a different virtual LDEV, and then try again.
KAIC08302-E	The number of resource groups in the specified storage system exceeds the maximum number (*Maximum number*) of resource groups.	Specify a different storage system or delete unnecessary resource groups and try again.
KAIC08303-E	The specified name of resource group (*Name*) is in use.	Specify a name that is not being used in the storage system and try again.
KAIC08304-E	The maximum number of virtual storage machines in the specified storage system is *Maximum number*.	Specify a different virtual model, virtual serial number, and storage system, or delete unnecessary virtual resource groups, and then try again.
KAIC08305-E	The specified resource group (name = *Resource group name*) cannot be deleted because the resource group contains resources.	Specify a different resource group or move the resources that are inside the specified resource group and try again.
KAIC08306-E	The operation cannot be performed because no virtual LDEV information is allocated to the specified virtual LDEV. (device number of the specified virtual LDEV = *Device number*)	Specify a different virtual LDEV, and then try again.

Message ID	Message Text	Description
KAIC08307-E	The operation cannot be performed because no virtual LDEV information is allocated to the specified virtual LDEV. (device number of the specified virtual LDEV = *Device number*)	Specify a different resource group or move the LDEV IDs that are inside the resource group and try again.
KAIC08308-E	The specified resource group (name = *Resource group name*) cannot be deleted because the resource group has host group numbers.	Specify a different resource group or move the host group numbers that are inside the resource group and try again.
KAIC08309-E	The specified resource group (name = *Resource group name*) cannot be deleted because the resource group has ports that have a virtual ID.	Specify a different resource group, and then try again.
KAIC08310-E	The specified target resource group was not found. Revise your specification, and then try again.	Revise your selection, and then try again.
KAIC08311-E	The source resource group is not in the source storage system (*name of source storage system*). Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08312-E	The virtual LDEV cannot be added because the specified virtual device number (*Device number*) is already in use by another virtual LDEV in the same virtual storage machine.	Specify a virtual device number that is not being used, and then try again.
KAIC08313-E	The specified parity group (chassis number = *Chassis number*, parity group number = *Parity group number*) cannot be operated because it is not managed by the resource group.	Specify a different parity group.
KAIC08314-E	You cannot perform this operation on LDEV IDs that belong to resource groups other than those for the default virtual storage machine.	Specify a different LDEV ID or operation for the virtual LDEV.
KAIC08315-E	The specified virtual LDEV (device number = *Device number*) cannot be moved because it already belongs to the specified resource group.	Specify a different resource group and virtual LDEV, and then try again.
KAIC08316-E	The modifyPRPU:false option is specified, but the specified operation cannot be performed because the resource group that contains the specified virtual	Specify a different resource group and virtual LDEV, and then try again.

Message ID	Message Text	Description
	LDEV (device number = *Device number*) is different from the specified resource group.	
KAIC08317-E	The specified operation cannot be performed because a virtual ID is already allocated for the specified virtual LDEV (device number = *Device number*).	Specify a different virtual LDEV, and then try again.
KAIC08318-E	The operation cannot be performed because a virtual ID is not allocated for the specified virtual LDEV (device number = *Device number*).	Specify a different virtual LDEV, and then try again.
KAIC08319-E	A target resource for the operation is not specified.	Specify the target resource for the operation, and then try again.
KAIC08320-E	The specified parity group (chassis number = *Chassis number*, parity group number = *Parity group number*) cannot be moved because it already belongs to the specified resource group.	The specified parity group (chassis number = *Chassis number*, parity group number = *Parity group number*) cannot be moved because it already belongs to the specified resource group.
KAIC08321-E	The host group number (port ID = *Port ID*, domain ID = *Domain ID*) is specified more than once.	Specify a different host group number, and then try again.
KAIC08322-E	The specified operation cannot be performed because the host group number (port ID = *Port ID*, domain ID = *Domain ID*) belongs to a port that has a virtual ID.	Specify a different host group number, and then try again.
KAIC08323-E	The specified host group number (port ID = *Port ID*, domain ID = *Domain ID*) cannot be moved because it already belongs to the specified resource group.	Specify a different host group number and resource group, and then try again.
KAIC08324-E	The specified operation cannot be performed because there is a virtual LDEV that corresponds to the specified LDEV ID (device number = *Device number*).	Specify a different LDEV ID or change the target of the operation to the virtual LDEV, and then try again.
KAIC08325-E	The specified LDEV ID (device number = *Device number*) cannot be moved because it already belongs to the specified resource group.	Specify a different LDEV ID and resource group, and then try again.
KAIC08326-E	The specified virtual LDEV (device number = *Device number*) cannot be moved to a resource group in another virtual storage machine because a path is set for the LDEV ID.	Specify a different virtual LDEV and resource group or delete all of the paths for the specified virtual LDEV, and then try again.

Message ID	Message Text	Description
KAIC08327-E	This operation cannot move LDEV IDs to a resource group other than that for the default virtual storage machine.	Specify a different LDEV ID or operation for the virtual LDEV.
KAIC08328-E	A port is specified more than once. (port ID = *Port ID*)	Specify a different port, and then retry the operation.
KAIC08329-E	The specified operation cannot be performed because the specified port has a virtual ID. (port ID = *Port ID*)	Specify a different port, and then retry the operation.
KAIC08330-E	The specified port (port ID = *Port ID*) cannot be moved because the port already belongs to the specified resource group.	Specify a different port and resource group, and then try again.
KAIC08331-E	The specified resource group (name = *Resource group name*) cannot be deleted because the resource group has parity groups.	Specify a different resource group or move the parity groups that are inside the resource group, and then try again.
KAIC08332-E	The specified name (*Name*) is invalid because it includes one or more invalid characters.	Specify a different name, and then retry the operation.
KAIC08333-E	The specified resource group (name = *Resource group name*) cannot be deleted because the resource group has a port.	Specify a different resource group, or move the ports that are inside the resource group, and then try again.
KAIC08334-E	The target resource group is not in the target storage system. Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08335-E	The resource group mappings of the source resource group (*name of source resource group*) and target resource group (*name of target resource group*) are duplicated. Revise the specified resource groups, and then try again.	Revise the specified resource groups, and then try again.
KAIC08336-E	The specified operation cannot be performed for the specified resource group (name = *Resource group name (meta_resource)*).	Specify a different resource group, and then try again.
KAIC08337-E	The specified parameters are incorrect. The "*Attribute 1*" attribute of the "*Element 1*" element and the "*ttribute 2*" attribute of the "*Element 2*" element cannot be specified at the same time.	Check and, if necessary, revise the parameters.

Message ID	Message Text	Description
KAIC08338-E	The virtual LDEV cannot be added because a virtual LDEV that is using the specified device number (*Device number*) already exists.	Specify a different device number, and then retry the operation.
KAIC08339-E	The specified virtual LDEV (device number = *Device number*) cannot be added because the virtual LDEV does not belong to the specified resource group.	Specify a different device number, and then try again.
KAIC08340-E	The specified parity group cannot be moved because it forms part of a distributed parity group. (chassis number of the specified parity group = *Chassis number*, parity group number of the specified parity group = *Parity group number*)	Specify all of the parity groups that make up the distributed parity group, and then try again.
KAIC08341-E	The specified operation cannot be performed because the port that belongs to the specified host group number (port ID = *Port ID*, domain ID = *Domain ID*) is neither "Target" or "RCU Target".	Specify a different host group number, and then try again.
KAIC08342-E	The specified *LDEV ID or virtual LDEV* cannot be moved because it is a pool volume that forms part of a pool. (device number of specified *LDEV ID or virtual LDEV* = *Device number*, pool ID = *Pool ID*)	Specify all the pool volumes that form the pool, and then try again.
KAIC08343-E	The specified *LDEV ID or virtual LDEV* cannot be moved because it is a journal volume that forms part of a journal group. (device number of specified *LDEV ID or virtual LDEV* = *Device number*, journal group ID = *Journal group ID*)	Specify all the journal volumes that form the journal group, and then try again.
KAIC08344-E	The modifyPRPU:false option is specified, but the specified operation is not possible because the virtual LDEV (device number = *Device number*) does not belong to the default virtual storage machine.	Specify a different volume or option, and then try again.
KAIC08345-E	The specified operation cannot be performed because the specified virtual LDEV (device number = *Device number*) is used for a secondary volume of *PP name (Global Active-Device)*.	Specify a different device number, and then try again.

Message ID	Message Text	Description
KAIC08346-E	The specified operation cannot be performed because the specified virtual LDEV (object ID = *Object ID*) is used for a secondary volume of *PP name (Global Active-Device)*.	Specify a different virtual LDEV, and then try again.
KAIC08347-E	The operation cannot be performed because the specified LDEV ID (device number = *Device number*) belongs to a resource group that has volumes in the process of data migration that uses virtual IDs.	Specify a different LDEV ID or migrate the data, and then try again.
KAIC08348-E	The operation cannot be performed because the specified host group number belongs to a resource group that has volumes in the process of data migration that uses virtual IDs.	Specify a different host group number or migrate the data, and then try again.
KAIC08349-E	The operation cannot be performed because the resource group to which the specified port belongs contains volumes that are in the process of a data migration for which virtual IDs are in use. (port ID = *Port ID*)	Either specify a different port, or complete the data migration. After that, retry the operation.
KAIC08350-E	The specified name (*Name*) is too long. The name must be *Maximum length* or fewer characters.	Specify a different name, and then try again.
KAIC08351-E	The specified name (*Name*) is invalid. A blank character cannot be used at the start or end of the resource group name.	Specify a different name, and then try again.
KAIC08352-E	The operation cannot be performed because the specified resource group (name=*Name*) has volumes in the process of data migration that uses virtual IDs.	Specify a different resource group, or migrate the data, and then try again.
KAIC08353-E	The specified resource group (name = *Resource group name*) cannot be deleted because there is a host group number (port ID = *Port ID*, domain ID = *Domain ID*) that belongs to a port that has a virtual ID.	Specify a different host group number, and then try again.
KAIC08354-E	The resource group mappings of the source resource group (*name of source resource group*) and target resource group (*name of target resource group*) already	Revise the specified resource groups, and then try again.

Message ID	Message Text	Description
	exist. Revise your resource group specification, and then try again.	
KAIC08355-E	The specified resource group (objectID = *Object ID*) does not belong to the specified storage system.	Specify a resource group that belongs to the storage system.
KAIC08356-E	No usable virtual device number exists.	Create one or more usable virtual device numbers. By unallocating a virtual device number from an unused volume, you can use that virtual device number.
KAIC08357-E	The number of the specified resource groups exceeds the maximum number that can be specified.	Reduce the number of specified resource groups or delete unnecessary resource groups, and then try again.
KAIC08358-E	The specified name (*Name*) cannot be used as a resource group name because the specified name is a reserved word (*Reserved word*).	Specify a resource group that does not contain reserved words.
KAIC08359-E	An element to be changed is not specified for the specified resource group.	Specify a resource group name or a resource to be changed, and then try again.
KAIC08360-E	The specified host group number (port ID = "*Port ID*", domain ID = "*Domain ID*") cannot be moved to another virtual storage machine because a path is set to the host group number.	Specify a different host group number or delete the paths, and then try again.
KAIC08361-E	The number of resource groups that can be registered in the virtual storage machine (virtual model: *Virtual model*, virtual serial number: *Virtual serial number*) exceeds the maximum number (*Maximum number (1024)*).	Reduce the number of resource groups to be added to the specified virtual storage machine or delete resource groups that were already created, and then try again.
KAIC08362-E	The specified resource group does not belong to the specified storage system.	Specify a different resource group, and then try again.
KAIC08363-E	In the default virtual storage machine, virtual LDEV information cannot be allocated to a virtual LDEV whose device number and virtual device number are the same. (device number of the virtual LDEV = *Device number*)	Either assign a virtual device number that differs from the device number, or do not specify virtual LDEV information, and then try again.
KAIC08364-E	The specified virtual LDEV (device number = *Device number*) cannot be moved to a resource group in	Specify a different virtual LDEV or delete a virtual device number

Message ID	Message Text	Description
	another virtual storage machine because the virtual LDEV is allocated to a virtual device number (*Virtual device number*).	from a virtual LDEV, and then try again.
KAIC08365-E	This operation for the specified virtual LDEV (device number = *Device number*) cannot be perform because the cancellation of a virtual device number and the allocation of virtual LDEV information cannot be specified at the same time.	Specify a different virtual LDEV, and then try again.
KAIC08366-E	The virtual LDEV information of the specified virtual LDEV (device number = *Device number*) cannot be allocated because a path is set for the virtual LDEV.	Specify a different virtual LDEV or delete the paths, and then try again.
KAIC08367-E	The virtual LDEV information of the specified virtual LDEV (device number = *Device number*) cannot be deleted because a path is set for the virtual LDEV.	Specify a different virtual LDEV or delete the paths, and then try again.
KAIC08368-E	The specified resource group (name = *Resource group name*) cannot be deleted because the resource group includes a virtual LDEV (device number = *Device number*) that is used for a secondary volume of *PP name (Global Active-Device)*.	Specify a different resource group, and then try again.
KAIC08369-E	The specified resource group (name = *Resource group name*) cannot be deleted because the resource group has a virtual LDEV (device number = *Device number*) with a path that is set.	Check the virtual LDEV in the resource group, delete the paths, and then try again.
KAIC08370-E	The specified operation cannot be performed because a path is set for the specified virtual LDEV (device number = *Device number*).	Specify a different virtual LDEV or delete all of the paths for the specified virtual LDEV, and then try again.
KAIC08371-E	The operation cannot be performed because the specified resource belongs to a resource group that is being used by a data migration for which virtual IDs are in use. (device number of the specified resource = *Device number of the specified resource*)	Specify a different device number, and then try again.
KAIC08372-E	The operation cannot be performed because the virtual device number of the specified	Specify a different device number, and then try again.

Message ID	Message Text	Description
	resource is already defined in the virtual storage machine. (device number of the specified resource = *Device number of the specified resource*, model of the virtual storage machine = *Virtual model of the virtual storage machine*, virtual serial number of the virtual storage machine = *Virtual serial number of the virtual storage machine*)	
KAIC08373-E	The specified virtual LDEV (device number = *Device number*) cannot be added because it already belong to another resource group.	Revise the specified resource, and then try again.
KAIC08374-E	The specified volume (device number = *Device number*) cannot be used as a journal volume because it is managed as a virtualized volume.	Revise the specified volume.
KAIC08375-E	A migration project with the specified source storage system (*name of source storage system*) and target storage system (*name of target storage system*) already exists. Revise the specified storage systems, and then try again.	Revise the specified storage systems, and then try again.
KAIC08376-E	The specified source volume (devnum = *devnum of source volume*) cannot be migrated because it is an S-VOL.	This is an informational message only. No additional action is required.
KAIC08377-E	The source resource group's model (*source resource group's model*) and serial number (*source resource group's serial number*) are not equal to the target resource group's virtual model (*target resource group's virtual model*) and virtual serial number (*target resource group's virtual serial number*). Specify a target resource group with matching attributes, and then try again.	Specify a target resource group with matching attributes, and then try again.
KAIC08378-E	The source virtual resource group's virtual model (*source resource group's virtual model*) and virtual serial number (*source resource group's virtual serial number*) are not equal to the target resource group's virtual	Specify a target resource group with matching attributes, and then try again.

Message ID	Message Text	Description
	model (*target resource group's virtual model*) and virtual serial number (*target resource group's virtual serial number*). Specify a target resource group with matching attributes, and then try again.	
KAIC08379-E	The specified resource group mapping was not found. Revise your resource group mapping specification, and then try again.	Revise the specified resource group mapping, and then try again.
KAIC08380-E	The resource group mapping does not belong to the specified migration project. Specify a resource group mapping that belongs to the migration project, and then try again.	Specify a resource group mapping that belongs to the migration project, and then try again.
KAIC08382-E	The name is invalid. Names cannot consist of only spaces. Revise the name, and then try again.	Revise the name, and then try again.
KAIC08384-E	The name of the migration job (*name of the migration job*) is duplicated. Revise the name, and then try again.	Revise the name, and then try again.
KAIC08385-E	The name of the migration job (*name of the migration job*) already exists in the migration project. Revise the name, and then try again.	Revise the name, and then try again.
KAIC08386-E	The description (*description*) contains one or more invalid characters. Revise the description, and then try again.	Revise the description, and then try again. Descriptions can contain alphanumeric characters (A-Z, a-z, and 0-9) and spaces, as well as the following characters: ! # $ ' ( ) + - . = @ [ ] _ ` { } ~
KAIC08387-E	The description (*description*) is too long. Descriptions cannot exceed *maximum-length-of-description* characters. Revise the description, and then try again.	Revise the description, and then try again.
KAIC08388-E	Execution of the request failed. The name and description are not specified. Specify a name, a description, or both, and then try again.	Specify a name, a description, or both, and then try again.
KAIC08389-E	The specified migration job was not found. Revise your migration job specification, and then try again.	Revise the specified migration job, and then try again.

Message ID	Message Text	Description
KAIC08390-E	The migration job does not belong to the migration project. Specify a migration job that belongs to the migration project, and then try again.	Specify a migration job that belongs to the migration project, and then try again.
KAIC08391-E	This storage system does not support the function that allows you to specify the location of free space and then create LUs.	Check the storage system. In addition, review the request.
KAIC08394-E	Execution of the request failed. Specify an external volume for the target volume.	Specify an external volume.
KAIC08395-E	The specified operation cannot be performed, because the volume (*LDEV-identifier (devNum)*) is a system disk.	Check and, if necessary, revise the specified volume, and then try the operation again.
KAIC08396-E	The specified operation cannot be performed, because the volume (*LDEV identifier (devNum)*) is a quorum disk.	Check and, if necessary, revise the specified volume, and then try the operation again.
KAIC08397-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is reserved as an S-VOL.	Release the reservation attribute of the volume that is reserved as an S-VOL, or choose another volume, and then try again.
KAIC08398-E	Execution of the request failed.The virtual storage, the specified volume(device number="*Device number*") belongs does not support *PP name (global active device)*.	Check and, if necessary, revise the volume specification, and then try again.
KAIC08399-E	The specified quorum disk ID is already in use. Specify an ID that is not being used. (ID = *Quorum disk ID*)	Check and, if necessary, revise the request, and then try the operation again.
KAIC08400-E	The resource group cannot be moved for one of the following reasons: (1) The specified parity groups do not include all of the parity groups that form a distributed parity group. (2) The Device Manager configuration might have changed.	Revise and retry the operation. If this error continues to occur, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08401-E	The resource group cannot be moved for one of the following reasons: (1) The specified pool volumes do not include all of the pool volumes that form a pool. (2) The Device Manager storage configuration might have changed.	Revise and retry the operation. If this error continues to occur, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC08402-E	The resource group cannot be moved for one of the following reasons: (1) The specified journal volumes do not include all of the journal volumes that form a journal group. (2) The Device Manager storage configuration might have changed.	Revise and retry the operation. If this error continues to occur, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08404-E	The system drive (ID = *system-drive-ID*) that is related to the selected dppool (storagesystem=*storagesystem-name*,poolid=*pool-ID*) is already in use by another storage pool (*storage-pool-ID*). Retry the operation.	Retry the operation.
KAIC08405-E	Execution of the request failed. Deletion with reversal cannot be executed for *Replication function*pairs.	Revise the request.
KAIC08406-E	The specified source port (*displayname of source port*) already exists. Revise your port specification, and then try again.	Revise the specified source port, and then try again.
KAIC08407-E	The specified source port (*displayname of source port*) attribute is not "Target". Revise your port attribute specification, and then try again.	Revise your port attribute specification, and then try again.
KAIC08408-E	The specified target port (*displayname of target port*) attribute is not "Target". Revise your port attribute specification, and then try again.	Revise your port attribute specification, and then try again.
KAIC08409-E	The specified port mapping was not found. Revise your port mapping specification, and then try again.	Revise the specified port mapping, and then try again.
KAIC08410-E	The port mapping does not belong to the migration project. Specify a port mapping that belongs to the migration project, and then try again.	Specify a port mapping that belongs to the migration project, and then try again.
KAIC08411-E	The specified source host group was not found. Revise your source host group specification, and then try again.	Revise your selection, and then try again.
KAIC08412-E	The specified target virtual storage machine was not found. Revise your specification, and then try again.	Revise your selection, and then try again.

Message ID	Message Text	Description
KAIC08413-E	The source host group does not belong to the source storage system (*name of source storage system*). Revise the specified source host group, and then try again.	Revise the specified source host group, and then try again.
KAIC08414-E	The source host group does not belong to the source port. Revise the specified source host group or the specified port, and then try again.	Revise the specified source host group or the specified port, and then try again.
KAIC08415-E	A virtual storage machine that has the same virtual model and virtual serial number as the model and serial number of the source storage system does not exist in the target storage system. Create a virtual storage machine with matching attributes, and then try again.	Create a virtual storage machine with matching attributes, and then try again.
KAIC08416-E	The combination of the port (*displayname of source port*) and host group (port ID = *portID of source host group*, domain ID = *domainID of source host group*) of the source storage system with the port (*displayname of target port*) and virtual storage machine (*name of virtual storage machine*) of the target storage system is duplicated. Revise the specified combination, and then try again.	Revise the specified combination, and then try again.
KAIC08417-E	The combination of the port (*displayname of source port*) and host group (port ID = *portID of source host group*, domain ID = *domainID of source host group*) of the source storage system with the port (*displayname of target port*) and virtual storage machine (*name of virtual storage machine*) of the target storage system already exists in the Device Manager database. Revise the specified combination, and then try again.	Revise the specified combination, and then try again.
KAIC08418-E	The source resource group was not found. Revise the specified source resource group, and then try again.	Revise the specified source resource group, and then try again.
KAIC08419-E	The specified source port (*displayname of source port*)	Revise your port attribute specification, and then try again.

Message ID	Message Text	Description
	attribute is not "Target". Revise your port attribute specification, and then try again.	
KAIC08420-E	The specified target port (*displayname of target port*) attribute is not "External". Revise your port attribute specification, and then try again.	Revise your port attribute specification, and then try again.
KAIC08421-E	The specified external path settings were not found. Revise your specification, and then try again.	Revise your selection, and then try again.
KAIC08422-E	The external path settings do not belong to the specified migration project. Specify external path settings that belong to the migration project, and then try again.	Specify external path settings that belong to the migration project, and then try again.
KAIC08423-E	The specified migration job (*name of the migration job*) cannot be deleted because it is scheduled or is running. After the migration job is completed, try again.	After the migration job is completed, try again.
KAIC08424-E	An internal error occurred. The specified task information was not found. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to provide additional information.	If this problem persists, detailed investigation is required to determine the cause. Contact the customer support center, who may ask you to provide additional information.
KAIC08425-E	An internal error occurred. The specified migration job was not found. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to provide additional information.	If this problem persists, detailed investigation is required to determine the cause. Contact the customer support center, who may ask you to provide additional information.
KAIC08426-E	Acquisition of task information failed. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.	If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.
KAIC08427-E	An internal error occurred. The combination of the migration job	If this problem persists, detailed investigation is required to

Message ID	Message Text	Description
	(*attribute-name of migration job* = "*attribute-value of migration job*") and task information (*attribute-name of task information* = "*attribute-value of task information*") already exists in the Device Manager database. If this problem persists, detailed investigation is required to determine the cause. Contact the customer support center, who may ask you to provide additional information.	determine the cause. Contact the customer support center, who may ask you to provide additional information.
KAIC08428-E	The specified source volume was not found. Revise your specification, and then try again.	Revise your selection, and then try again.
KAIC08429-E	The specified target volume was not found. Revise your specification, and then try again.	Revise your selection, and then try again.
KAIC08430-E	The specified migration-target volume was not found. Revise your specification, and then try again.	Revise your selection, and then try again.
KAIC08431-E	The source volume is not in the source storage system (*name of source storage system*). Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08432-E	The target volume is not in the target storage system (*name of target storage system*). Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08433-E	The migration-target volume is not in the target storage system (*name of target storage system*). Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08434-E	The source volume (devnum = *devnum of source volume*) is duplicated. Revise the specified source volume, and then try again.	Revise the specified source volume, and then try again.
KAIC08435-E	The target volume (devnum = *devnum of target volume*) is duplicated. Revise the specified target volume, and then try again.	Revise the specified target volume, and then try again.
KAIC08436-E	The specified migration-target volume (devnum = *devnum of*	Revise your selection, and then try again.

Message ID	Message Text	Description
	migration-target volume) is duplicated. Revise your selection, and then try again.	
KAIC08437-E	The source volume (devnum = *devnum of source volume*) already exists in the Device Manager database. Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08438-E	The target volume (devnum = *devnum of target volume*) already exists in the Device Manager database. Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08439-E	The migration-target volume (devnum = *devnum of migration-target volume*) already exists in the Device Manager database. Revise your selection, and then try again.	Revise your selection, and then try again.
KAIC08440-E	The source volume (devnum = *devnum of source volume*, emulation type = "*emulation type of source volume*") cannot be migrated. The emulation type of the source volume must be OPEN-V or OPEN-3/8/9/E/K/L.	-
KAIC08441-E	The source volume (devnum = *devnum of source volume*) is non-representative, and therefore cannot be migrated. If you want to specify a LUSE volume, specify a representative volume, and then try again.	If you want to specify a LUSE volume, specify a representative volume, and then try again.
KAIC08442-E	Execution of the request failed. For the *Replication function* pair, you must specify "Never" for fenceLevel.	Check and, if necessary, revise the specified value, and then try the operation again.
KAIC08443-E	The quorum disk corresponding to the specified ID (*Quorum disk ID*) does not exist in the storage system. (model name = *Model name*, serial-number = *Serial number*)	Specify a different quorum disk ID or add the quorum disk to the storage system, and then try the operation again.
KAIC08444-E	Execution of the request failed. You cannot specify volumes that belong to the resource group of the default virtual storage machine for both the P-VOL and the S-VOL of the *Replication function*pair.	Check and, if necessary, revise the specified value, and then try the operation again.

Message ID	Message Text	Description
KAIC08445-E	Execution of the request failed. The volume (device number = *Device number*) specified for the P-VOL of the *Replication function* pair is invalid, because it has not been assigned a virtual ID.	Assign a virtual ID to the volume, and then try the operation again.
KAIC08446-E	Execution of the request failed. The volume (device number = *Device number*) specified for the P-VOL is invalid, because the volume is reserved for the S-VOL of *Replication function*.	Check and, if necessary, revise the specified volume, and then try the operation again.
KAIC08447-E	Execution of the request failed. The volume (device number = *Device number*) specified for the S-VOL is invalid, because it is not reserved as a S-VOL for *Replication function*.	Reserve the volume, and then try the operation again.
KAIC08448-E	Execution of the request failed. The volume (device number = *Device number*) specified for the *Replication function* pair is invalid, because the volume belongs to a virtual storage machine whose serial number is different from that of the storage system that manages the replication volume.	Check and, if necessary, revise the specified value, and then try the operation again.
KAIC08449-E	Execution of the request failed. The volume (device number = *Device number*) specified for the *Replication function* pair is invalid, because it is a pair volume of *Replication function*.	Check and, if necessary, revise the specified value, and then try the operation again.
KAIC08450-E	Execution of the request failed. The volume (device number = *Device number*) specified for the *Replication function* pair is invalid, because the capacity of the volume is greater than *Capacity*. Specify a volume whose capacity is *Capacity* or less.	Specify a volume whose capacity is *Capacity* or less.
KAIC08451-E	Execution of the request failed. The remote path between the local storage system and the remote storage system is not "CU Free".	Check and, if necessary, revise the remote path.
KAIC08452-E	The specified resource group (name = *Resource group name*) cannot be deleted because there is a host group number (port	Specify a different resource group.

Message ID	Message Text	Description
	name = *Port name*, number = *Host group number*) that belongs to a port that has a virtual ID.	
KAIC08453-E	The specified operation cannot be performed because the host group number (port name = *Port name*, number = *Host group number*) belongs to a port that has a virtual ID.	Specify a different host group number, and then try again.
KAIC08454-E	The specified operation cannot be performed because the port has a virtual ID. (name = *Port name*)	Specify a different port, and then try again.
KAIC08455-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) is not reserved as an S-VOL.	Choose a volume that is reserved as an S-VOL, and then try again.
KAIC08456-E	The operation is not possible because the volume (*LDEV-identifier (devNum)*) has a virtual device number.	Remove the virtual device number, and then try again.
KAIC08457-E	Invalid parameters were specified. If the volume is to be reserved as an S-VOL, you cannot set a virtual device number.	Specify either a virtual device number or a volume reserved as an S-VOL, but not both, and then try again.
KAIC08458-E	The specified operation is not possible because the virtual LDEV (device number = *Device number*) does not belong to the default virtual storage machine.	Specify a different virtual LDEV, and then try again.
KAIC08459-E	This operation cannot be performed, because the specified volume (device number = *Device number*) is a pair volume of *PP name*.	Check and, if necessary, revise the specified volume or delete the pair, and then try the operation again.
KAIC08460-E	This operation cannot be performed, because the specified volume (device number = *device number*) is a reserved volume of *PP name*.	Revise the specified volume or delete the pair, and then try again.
KAIC08461-E	The LU "*device-number*" cannot be used for a pool volume/journal volume because it is a reserved volume of "*PP Name*".	Revise the LU specification, and then retry the operation.
KAIC08462-E	The last path of an LU (devNum = *PP name*) set for *device number* cannot be deleted.	Release the *device number* pair, and then delete the path.
KAIC08463-E	You cannot set a command device for the pair volume of *PPName*.	Check and, if necessary, revise the volume settings, and then try the operation again.

Message ID	Message Text	Description
KAIC08464-E	You cannot set a command device for the reserved volume of *PPName*.	Revise the configuration, and then try again.
KAIC08465-E	This operation cannot be performed because the specified volume (device number = *Device number*) is an S-VOL of *Program product name*.	Revise the specified volume or delete the pair, and then try again.
KAIC08466-E	No remote path is set between the specified storage systems, or an invalid remote path is set.	Check the status of the remote path, and then try again.
KAIC08467-E	The source volume (devnum = *devnum of source volume*) is a command device, and therefore cannot be migrated. If you want to use a command device in the target storage system, create the command device in the target storage system.	If you want to use a command device in the target storage system, create the command device in the target storage system.
KAIC08468-E	The source volume (devnum = *devnum of source volume*) is a system disk, and therefore cannot be migrated.	This is an informational message only. No additional action is required.
KAIC08469-E	The source volume (devnum = *devnum of source volume*) is a quorum disk, and therefore cannot be migrated.	This is an informational message only. No additional action is required.
KAIC08470-E	The source volume (devnum = *devnum of source volume*) is a pool volume, and therefore cannot be migrated.	This is an informational message only. No additional action is required.
KAIC08471-E	The source volume (devnum = *devnum of source volume*) is a reserved volume of *PP name*, and therefore cannot be migrated.	This is an informational message only. No additional action is required.
KAIC08472-E	Guard mode is set for the source volume (devnum = *devnum of source volume*), and therefore the volume cannot be migrated.	This is an informational message only. No additional action is required.
KAIC08473-E	The source volume (devnum = *devnum of source volume*) is being used as an external volume, and therefore cannot be migrated.	This is an informational message only. No additional action is required.
KAIC08474-E	The source volume (devnum = *devnum of source volume*) is a system volume, and therefore cannot be migrated.	This is an informational message only. No additional action is required.

Message ID	Message Text	Description
KAIC08475-E	No paths are allocated for the source volume (devnum = *devnum of source volume*), and therefore the volume cannot be migrated.	This is an informational message only. No additional action is required.
KAIC08476-E	The source volume (devnum = *devnum of source volume*) is being used for another data migration, and therefore cannot be migrated. After the migration is complete, try again.	After the migration is completed, try again.
KAIC08477-E	The emulation type of the specified target volume (emulation type = "*emulation type of target volume*") is invalid. The emulation type of the target volume must be OPEN-V. Specify a volume for which the emulation type is OPEN-V.	The emulation type of the target volume must be OPEN-V. Specify a volume for which the emulation type is OPEN-V.
KAIC08478-E	The specified source volume (devnum = *devnum of source volume*) is a mainframe volume and cannot be used in a data migration that uses virtual IDs.	This is an informational message only. No additional action is required.
KAIC08479-E	The specified target volume (devnum = *devnum of target volume*) is a mainframe volume and cannot be used in a data migration that uses virtual IDs. Revise the specified target volume, and then try again.	Revise the specified target volume, and then try again.
KAIC08480-E	The setting to enable data migration that uses virtual IDs of the specified target volume (devnum = *devnum of source volume*) is disabled. Enable the setting, and then try again.	Enable the setting, and then try again.
KAIC08481-E	The specified target volume (devnum = *devnum of target volume*) is not connected to the source volume (devnum = *devnum of source volume*). Revise the specified target volume, and then try again.	Revise the specified target volume, and then try again.
KAIC08482-E	The specified migration-target volume (devnum = *devnum of migration-target volume*) is being used in another data migration. Revise the specified migration-target volume, and then try again.	Revise the specified migration-target volume, and then try again.

Message ID	Message Text	Description
KAIC08483-E	The capacity of the specified target volume (devnum = *devnum of target volume*, capacity = *capacity of target volume* [block]) and source volume (devnum = *devnum of source volume*, capacity = *capacity of source volume* [block]) are not equal. Revise the specified target volume, and then try again.	Revise the specified target volume, and then try again.
KAIC08484-E	The capacity of the specified migration-target volume (devnum = *devnum of migration-target volume*, capacity = *capacity of migration-target volume* [block]) and source volume (devnum = *devnum of source volume*, capacity = *capacity of source volume* [block]) are not equal. Revise the specified migration-target volume, and then try again.	Revise the specified migration-target volume, and then try again.
KAIC08485-E	The specified migration volume was not found. Revise your specification, and then try again.	Revise the specified migration volume, and then try again.
KAIC08486-E	The specified migration volume step was not found. Revise your specification, and then try again.	Revise the specified migration volume step, and then try again.
KAIC08487-E	An internal error occurred. The migration job and migration volume are invalid. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you to provide additional information.	If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you to provide additional information.
KAIC08488-E	The migration volume does not belong to the migration job (*name of migration volume*). Revise the specified migration volume, and then try again.	Revise the specified migration volume, and then try again.
KAIC08489-E	The step (*currentStep*) of the migration volume (*attribute-name* = "*attribute-value*") is duplicated. Revise the specified step, and then try again.	Revise the specified step, and then try again.
KAIC08490-E	The migration volume (devnum of the source volume = *devnum of*	After processing for the migration volume is completed, try again.

Message ID	Message Text	Description
	target volume) cannot be deleted because it is scheduled or running. After processing for the migration volume is completed, try again.	
KAIC08491-E	The specified name (*name*) contains one or more invalid characters. Revise the specified name, and then try again.	Revise the specified name, and then try again. Descriptions can contain alphanumeric characters (A-Z, a-z, and 0-9) and spaces, as well as the following characters: ! # $ ' ( ) + - . = @ [ ] _ ` { } ~
KAIC08493-E	The specified target volume (devnum = *devnum of target volume*) is not virtualized. Virtualize the target volume, and then try again.	Virtualize the target volume, and then try again.
KAIC08494-E	The update of the migration project information failed, but a task that updates this information is in progress. Try to refresh this information again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.	Try to refresh this information again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.
KAIC08495-E	The update of the migration project information failed, but a task that updates this information is in progress. Try to refresh this information again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.	Try to refresh this information again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.
KAIC08496-E	The update of the migration project information failed. Another operation is accessing this information. Try to refresh this information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.	Try to refresh this information again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you for additional information.

Message ID	Message Text	Description
KAIC08497-E	The update of the migration project information was interrupted. The Device Manager server might be shutting down. Check the status of the Device Manager server, and then try again.	The Device Manager server might be shutting down. Check the status of the Device Manager server, and then try again.
KAIC08498-E	The source volume (devnum = *devnum of source volume*) cannot be migrated because it is being used as a volume of the pair.	This is an informational message only. No additional action is required.
KAIC08499-E	The volume (devnum = *devnum of target volume*) cannot be specified as a target volume because it is part of a pair. Revise the specified target volume, and then try again.	Revise the specified target volume, and then try again.
KAIC08500-E	You cannot perform a migration using virtual IDs because the cache mode for the target volume (devNum = *Device number*) of the target storage system (*Storage system name*) is set to Through. Change the cache mode to Write Sync, and then try again.	Change the cache mode to Write Sync, and then try again.
KAIC08501-E	You cannot perform a migration using virtual IDs because no path is allocated to the specified volume (devNum = *Device number*) of the target storage system (*Storage system name*). Allocate a path to the target volume, and then try again.	Allocate a path to the target volume, and then try again.
KAIC08502-E	One or more paths are allocated to the source volume (devNum = *Device number*) of the source storage system (*Storage system name*). Remove all paths from the source volume, and then try again.	Remove all paths from the source volume, and then try again.
KAIC08503-E	This operation (*PP Name*) cannot be performed on the specified target volume (devNum = *TargetDevNum*) because the journal pool (PoolID = *Pool ID*) has insufficient free space. Increase the free space, and then try again.	Increase the free space of the journal pool, and then try again.
KAIC08504-E	This operation (*PP Name*) cannot be performed on a microcode version of the specified storage	Perform the operation again.

Message ID	Message Text	Description
	system when the number of requests exceeds *Number of requests to be operated at a time*. Perform the operation again.	
KAIC08505-E	To create multiple external parity groups in a batch, all data migration settings that use virtual IDs must be the same.	Check and, if necessary, revise the volume type setting of the parity group, and then try again.
KAIC08506-E	The microcode version of the specified storage system (storage system name = "*Storage system name*") does not support data migration operations using virtual IDs. Microcode version "*Microcode version*" or later is required.	Update the microcode, and then try again.
KAIC08507-E	The virtual device set for the specified target volume (device number = "*Target volume device number*") does not match the source volume (device number = "*Source volume device number*").	Set a virtual device for the target volume, and then try again.
KAIC08508-E	Changing the settings of the external parity group has failed because a data migration using virtual IDs is not being performed for the specified external parity group ("*External parity group name*").	This is an informational message only. No additional action is required.
KAIC08509-E	This operation cannot be performed, because the same external volume (port = "*Port name*", external LUN = "*External LUN*", external WWN = "*External WWN*") was specified. You cannot create different parity groups from the same external volume.	Check and, if necessary, revise the specified external volume, and then try again.
KAIC08511-E	The virtualization emulation type set for the specified target volume (device number = "*Target volume device number*") does not match the emulation type ("*Emulation type of the source volume*") set for the source volume (device number = "*Source volume device number*"). Check and, if necessary, revise the virtual emulation type of the target volume, and then try again.	Check and, if necessary, revise the virtual emulation type of the target volume, and then try again.

Message ID	Message Text	Description
KAIC08512-E	The virtual SSID set for the specified target volume (device number = "*Target volume device number*") does not match the SSID ("*SSID of the source volume*") set for the source volume (device number = "*Source volume device number*"). Check and, if necessary, revise the virtual SSID for the target volume, and then try again.	Check and, if necessary, revise the virtual SSID for the target volume, and then try again.
KAIC08513-E	The number of virtual LUSE components set for the specified target volume (device number = "*Target volume device number*") does not match the number of LUSE components ("*Number of LUSE components*") set for the source volume (device number = "*Source volume device number*"). Check and, if necessary, revise the number of virtual LUSE components for the target volume, and then try again.	Check and, if necessary, revise the number of virtual LUSE components for the target volume, and then try again.
KAIC08514-E	The virtual CVS set for the specified target volume (device number = "*Target volume device number*") does not match the CVS of the source volume (device number = "*Source volume device number*"). Check and, if necessary, revise the virtual CVS of the target volume, and then try again.	Check and, if necessary, revise the virtual CVS of the target volume, and then try again.
KAIC08515-E	The operation cannot be performed on the specified parity group (*Display name of the parity group*) because it is not an external parity group. Respecify the external parity group, and then try again.	Respecify the external parity group, and then try again.
KAIC08521-E	The specified storage system (storage system name = "*Storage system name*") cannot be used for a data migration using virtual IDs.	This is an informational message only. No additional action is required.
KAIC08527-E	The emulation type (*emulation type*) of the specified migration-target volume is invalid. The emulation type of the migration-target volume must be OPEN-V.	The emulation type of the migration-target volume must be OPEN-V.

Message ID	Message Text	Description
KAIC08528-E	The specified migration-target volume (devnum = *devnum of migration-target volume*) is invalid because it is a mainframe volume. Revise the specified migration-target volume, and then try again.	This is an informational message only. No additional action is required.
KAIC08529-E	The specified migration-target volume (devnum = *devnum of migration-target volume*) is invalid because it is reserved as the S-VOL of a pair. Revise the specified migration-target volume, and then try again.	Revise the specified migration-target volume, and then try again.
KAIC08530-E	The specified migration-target volume (devnum = *devnum of migration-target volume*) is invalid because it is being used as a volume of a pair. Revise the specified volume, and then try again.	Revise the specified volume, and then try again.
KAIC08531-E	The specified config file is invalid. (pair management server = *pair-management-server-name*, instance number = *instance-number*)	If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08532-E	Failed to perform an operation for the config file. (message ID = *message-ID*, message = *detailed-message*)	Remove the cause of the error, and then try again. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08533-E	After an operation was performed for the config file, an attempt to acquire copy pair configuration information failed. (message ID = *message-ID*, message = *detailed-message*)	Remove the cause of the error, and then try again. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08536-E	The request failed. The source storage system might be undergoing reconfiguration. Wait a while, and then try again. If this problem persists, to determine the cause and resolve the problem, detailed investigation is	If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
	required. Contact customer support, who may ask you to collect troubleshooting information.	
KAIC08537-E	An internal error occurred. The parameter "*parameter-name*" is invalid.	If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08538-E	The specified pair volume is not the pair volume of the specified migration volume. Revise the migration volume and the pair volume of the migration volume, and then try again.	Revise the settings for the migration volume and the pair volume of the migration volume, and then try again. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08539-E	No pair volume of the specified migration volumes is managed by Device Manager. Revise the specified pair volume, and then try again.	Revise the specified pair volume, and then try again.
KAIC08540-E	No Device Manager agent was found in the pair management server "*pair-management-server-name*", which manages the config file.	Make sure that the Device Manager agent is installed.
KAIC08541-E	Migrations of the config file are not supported by the Device Manager agent installed on the pair management server "*pair-management-server-name*", which manages the config file.	Check the version of the Device Manager agent.
KAIC08542-E	No "*prerequisite product name*" was found in the pair management server "*pair management server name*", which manages the config file.	Make sure that the prerequisite products displayed in the message are installed.
KAIC08543-E	"*prerequisite product name*" installed on the pair management server "*pair management server name*", which manages the config file, does not meet the version requirements.	Check the versions of the prerequisite products displayed in the message.
KAIC08544-E	The config file is invalid.	If you want to migrate the config file, check the status of the config file on Manage Replication

Message ID	Message Text	Description
		window and correct the format of the config file. Next, refresh the information for the target storage system, and then try again.
KAIC08545-E	Information for the config file is incomplete.	Revise the version of the Device Manager agent, refresh the information for the target storage system, and then try again. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08546-E	HORCM_VCMD is defined.	If you want to migrate the config file, correct the format of the file. Next, refresh the information for the target storage system, and then try again.
KAIC08547-E	A command device that can be used after a migration is not connected to the pair management server.	Connect a command device that can be used after a migration to the pair management server that is managing the target config file. Next, refresh the information for the target storage system and the pair management server, and then try again.
KAIC08548-E	A virtual command device is defined.	If you want to migrate the config file, correct the format of the file. Next, refresh the information for the target storage system, and then try again.
KAIC08549-E	There is a copy pair that is defined in a format other than the HORCM_LDEV format.	If you want to migrate the config file, correct the format of the file. Next, refresh the information for the target storage system, and then try again.
KAIC08550-E	A copy pair is defined for a storage system which is not a source storage system.	Use separate config files for each storage system. Next, refresh the information for the target storage system, and then try again.
KAIC08551-E	There is no copy pair configuration that can be migrated for the pair volume defined in the config file.	If you want to migrate the config file, correct the format of the file. Next, refresh the information for the target storage system, and then try again.
KAIC08552-E	The virtual model set for the specified target volume (device number = *physical device number of the target volume*, virtual model = *virtual model of the*	Revise the settings for the target volume, and then try again.

Message ID	Message Text	Description
	target volume) does not match the model of the source volume (device number = *device number of the source volume*, model = *model name of the source volume*). Check and, if necessary, revise the virtual model of the target volume, and then try again.	
KAIC08553-E	The virtual serial number set for the specified target volume (device number = *physical device number of the target volume*, virtual serial number = *virtual serial number of the target volume*) does not match the serial number of the source volume (device number = *device number of the source volume*, serial number = *serial number of the source volume*). Check and, if necessary, revise the virtual serial number of the target volume, and then try again.	Revise the settings for the target volume, and then try again.
KAIC08554-E	The virtual device number set for the specified target volume (device number = *physical device number of the target volume*, virtual device number = *virtual serial number of the target volume*) does not match the device number of the source volume (device number = *device number of the source volume*). Check and, if necessary, revise the virtual device number of the target volume, and then try again.	Revise the settings for the target volume, and then try again.
KAIC08555-E	The virtualization emulation type set for the specified target volume (device number = *physical device number of the target volume*, virtual emulation type = *virtual emulation type of the target volume*) does not match the emulation type of the source volume (device number = *device number of the source volume*, emulation type = *emulation type of the source volume*). Check and, if necessary, revise the virtual emulation type of the target volume, and then try again.	Revise the settings for the target volume, and then try again.

Message ID	Message Text	Description
KAIC08556-E	The virtual CVS set for the specified target volume (device number = *physical device number of target volume*) does not match the CVS of the source volume (device number = *device number of target volume*). Check and, if necessary, revise the virtual CVS of the target volume, and then try again.	Revise the settings for the target volume, and then try again.
KAIC08557-E	The virtual SSID set for the specified target volume (device number = *physical device number of the target volume*, virtual SSID = *virtual SSID of the target volume*) does not match the SSID of the source volume (device number = *device number of the source volume*, SSID = *SSID of the source volume*). Check and, if necessary, revise the virtual SSID of the target volume, and then try again.	Revise the settings for the target volume, and then try again.
KAIC08558-E	The config file does not contain a copy pair definition.	If copy pair definitions are defined, revise the details of the config file, refresh the information for the target storage system, and then try again.
KAIC08559-E	Information for a pair volume is incomplete.	Refresh the information for the target storage system, and then try again. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08560-E	An unsupported copy pair is configured in the defined pair volume.	If you want to migrate the config file, revise the definitions of the config file or the configuration of the defined copy pair volume. Next, refresh the information for the target storage system, and then try again.
KAIC08561-E	A path cannot be set because the specified volume and host group (port ID = *port ID*, domain ID = *domain ID*) belong to different virtual storage machines.	Revise the settings for the volume and host group, and then try again.
KAIC08562-E	The host mode option (*host mode option*) cannot be canceled because a path for the specified host group (port ID = *port ID*,	Revise the settings for the host group, and then try again.

Message ID	Message Text	Description
	domain ID = *domain ID*) is defined for a volume that belongs to a different virtual storage machine.	
KAIC08563-E	The number of virtual LUSE components set for the specified target volume (device number = *physical-device-number of the target volume*, virtual number of LDEVs in the LUSE = *virtual-number of LDEVs in the LUSE*) does not match the number of LUSE components of the source volume (device number = *device-number of the target volume*, number of LDEVs in the LUSE = *number of LDEVs in the LUSE*). Check and, if necessary, revise the number of virtual LUSE components of the target volume, and then try again.	Revise the settings for the target volume, and then try again.
KAIC08564-E	The config file is invalid. Validation Code=*Validation Code*	Remove the cause of the error, and then try again. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08565-E	A copy group contains copy pairs that have different copy directions.	If you want to migrate the config file, revise the definitions of the config file or the configuration of the defined pair volume. Next, refresh the information for the target storage system, and then try again.
KAIC08566-E	A valid associated config file could not be found.	If you want to migrate this config file, revise the definitions of this config file and the config that can be associated with this config file. Next, refresh the information for the target storage system, and then try again.
KAIC08567-E	The associated config file (instance number *instance-number of the associated config file* on the pair management server *the name of the pair management server managing the associated config file.*) could not be migrated.	If you want to migrate this config file, revise the definitions of the config that can be associated with this config file. Next, refresh the information for the target storage system, and then try again.

Message ID	Message Text	Description
KAIC08568-E	Multiple copy pairs in a copy group are using the same P-VOL.	If you want to migrate the config file, revise the definitions of the config file. Then, refresh the target storage system information and try again.
KAIC08569-E	A copy group contains both L1 and L2 copy pairs.	If you want to migrate the config file, revise the definitions of the config file. Then, refresh the target storage system information and try again.
KAIC08570-E	The specified request contains multiple "*element-name*" elements for which the values of the "*parameter-name*" attributes do not match.	If you specify multiple "*element-name*" elements, make sure that all the values of the "*parameter-name*" attributes are the same.
KAIC08571-E	The migration-target volume (devnum = *devnum of migration-target volume*) is a command device, and therefore cannot be used.	Revise the specified migration-target volume, and then try again.
KAIC08572-E	The migration-target volume (devnum = *devnum of migration-target volume*) is a system disk, and therefore cannot be used.	Revise the specified migration-target volume, and then try again.
KAIC08573-E	The migration-target volume (devnum = *devnum of migration-target volume*) is a quorum disk, and therefore cannot be used.	Revise the specified migration-target volume, and then try again.
KAIC08574-E	The migration-target volume (devnum = *devnum of migration-target volume*) is a pool volume, and therefore cannot be used.	Revise the specified migration-target volume, and then try again.
KAIC08575-E	The migration-target volume (devnum = *devnum of migration-target volume*) is a reserved volume of *PP name*, and therefore cannot be used.	Revise the specified migration-target volume, and then try again.
KAIC08576-E	Guard mode is set for the migration-target volume (devnum = *devnum of migration-target volume*), and therefore the volume cannot be used.	Revise the specified migration-target volume, and then try again.
KAIC08577-E	The migration-target volume (devnum = *devnum of migration-target volume*) is being used as an external volume, and therefore cannot be used.	Revise the specified migration-target volume, and then try again.
KAIC08578-E	The migration-target volume (devnum = *devnum of migration-*	Revise the specified migration-target volume, and then try again.

Message ID	Message Text	Description
	target volume) is a system volume, and therefore cannot be used.	
KAIC08579-E	The migration-target volume (devnum = *devnum of migration-target volume*) cannot be used because it is being used as a pair volume of *PP name*.	Revise the specified migration-target volume, and then try again.
KAIC08580-E	This operation cannot be performed because a pair volume (device number = *device-number*) of the specified pair is a pair volume of *PP name*.	Check and, if necessary, revise the specified pair or delete the related pair, and then try again.
KAIC08581-E	You cannot use the same consistency group ID (*consistency-group-ID*) for pairs that belong to different virtual storage machines.	Check and, if necessary, revise the specified consistency group ID or the specified pair volumes, and then try again.
KAIC08582-E	This operation cannot be performed because the specified pair belongs to a consistency group.	Check and, if necessary, revise the specified pair or the specified options, and then try again.
KAIC08583-E	The primary and secondary storage system must be common to each pair that belongs to the consistency group.	Check and, if necessary, revise the specified pair or the specified options, and then try again.
KAIC08584-E	This request cannot be processed, because all pairs in the copy group belong to a consistency group. Check and, if necessary, revise the specified copy group, or the specified option, and then try again.	Check and, if necessary, revise the specified copy group or the specified option, and then try again.
KAIC08585-E	The pair operation succeeded, but collection of the pair information failed. Refresh the storage systems.	Refresh the storage systems.
KAIC08586-E	The Delta Resync operation cannot be performed because the *PP name (Universal Replicator)* pair uses a virtual ID.	Specify the physical ID, and then try again.
KAIC08587-E	The specified CTG ID is being used by *PP name*. Assign a different CTG ID, and then try again.	Assign a different CTG ID, and then try again.
KAIC08588-E	The *PP name* pair cannot be created because the specified quorum disk ID (*Quorum disk ID*) is not the same as a quorum disk ID set for a copy pair that belongs to the specified	Specify a quorum disk ID that is set for a copy pair that belongs to the specified consistency group.

Message ID	Message Text	Description
	consistency group (CTG ID = *CTG ID*). Check and, if necessary, revise the quorum disk ID.	
KAIC08589-E	No CTG ID can be assigned to the specified copy group because all CTG IDs are being used in the selected storage systems. Delete any unnecessary pairs to prepare a usable CTG ID, and then try again.	Delete any unnecessary pairs to prepare a usable CTG ID, and then try again.
KAIC08590-E	The specified consistency group might already have the maximum number of pairs, or executing this process might exceed the maximum number of pairs. Check and, if necessary, revise the specified consistency group ID, and then try again.	Check and, if necessary, revise the specified consistency group ID, and then try again.
KAIC08591-E	The specified request cannot be performed because a *PP name* pair that configures 3DC Delta Resync exists. Delete the *PP name* pair, and then try again.	Delete the *PP name* pair, and then try again.
KAIC08592-E	Auto-allocation of a CTG ID failed because pairs that belong to a different consistency group exist in the copy group. Specify the CTG ID manually, or specify another copy group.	Specify the CTG ID manually, or specify another copy group.
KAIC08593-E	The specified request cannot be performed because pairs that belong to a different consistency group exist in the copy group, or pairs that belong to a consistency group co-exist in the copy group with pairs that do not belong to a consistency group. Check and, if necessary, revise the specified pairs, and then try again.	Check and, if necessary, revise the specified pairs, and then try again.
KAIC08594-E	This request cannot be processed, because no pairs in the copy group belong to a consistency group. Check and, if necessary, revise the specified copy group, or specified option, and then try again.	Check and, if necessary, revise the specified copy group or specified option, and then try again.
KAIC08595-E	This request cannot be processed, because all pairs in the copy group belong to the same consistency group. Check and, if necessary, revise the specified	Check and, if necessary, revise the specified copy group or specified option, and then try again.

Message ID	Message Text	Description
	copy group, or specified option, and then try again.	
KAIC08596-E	Device Manager server cannot operate the service "*PP name*" with the consistency group settings. Verify the host agent version and RAID Manager version of the pair management server.	Verify the host agent version and RAID Manager version of the pair management server.
KAIC08597-E	This storage system does not support the settings for the model, family, and serial number of the virtual storage machine.	Check and, if necessary, revise the specified model, family, and serial number of the virtual storage machine, and then try again.
KAIC08598-E	This storage system does not support the settings for the virtual LDEV.	Check and, if necessary, revise the request.
KAIC08601-E	No parameters are specified. Specify at least one parameter.	Specify at least one parameter, and then try again.
KAIC08602-E	The specified time zone is invalid.	Specify a valid time zone, and then try again.
KAIC08603-E	The specified date or time is invalid.	Revise the specified date or time, and then try again.
KAIC08604-E	The name or IP address of the specified NTP server is invalid.	Revise the specified name or IP address of the NTP server, and then try again.
KAIC08605-E	The storage container to which the specified VVol (*VVol ID*) belongs does not contain a *PP name (Thin Image)*pool.	Add a *PP name (Thin Image)* pool to the storage container.
KAIC08606-E	The specified VVol (*parameter*) is not a related pair.	Check and, if necessary, make changes. Then, try again.
KAIC08607-E	The specified VVols are in different storage containers.	Check and, if necessary, make changes. Then, try again.
KAIC08608-E	The specified VVol (*parameter*) is already part of a related pair.	Check and, if necessary, make changes. Then, try again.
KAIC08609-E	The specified srcVVolID (*parameter*) is not in a related pair with the specified VVolID (*parameter*).	Check and, if necessary, make changes. Then, try again.
KAIC08610-E	The pair status of the specified VVol (*pair status*) is not valid for a Revert operation.	Check and, if necessary, change the pair status.
KAIC08611-E	Device Manager does not support the creation of volumes with the specified provisioning type.	Revise the details of the operation, and then try again. Note that sometimes vCenter or ESX perform alternate processing. As a result, if the

Message ID	Message Text	Description
		operation by vCenter is successful, no further action is necessary.
KAIC08612-E	Device Manager does not support the clone operation for snapshots.	Revise the details of the operation, and then try again. Note that sometimes vCenter or ESX perform alternate processing. As a result, if the operation by vCenter is successful, no further action is necessary.
KAIC08613-E	Device Manager does not support the clone operation if the operation is used to clone to another storage system.	Revise the details of the operation, and then try again. Note that sometimes vCenter or ESX perform alternate processing. As a result, if the operation by vCenter is successful, no further action is necessary.
KAIC08614-E	Device Manager does not support differential copy operations.	Revise the details of the operation, and then try again. Note that sometimes vCenter or ESX perform alternate processing. As a result, if the operation by vCenter is successful, no further action is necessary.
KAIC08615-E	This operation cannot be performed because a required resource is being used by another operation.	Wait a while, and then try again. If this problem continues, contact the Support Center.
KAIC08616-E	The operation cannot be performed because required resources are unavailable.	Check the operating environment. If this problem persists, contact the Support Center.
KAIC08620-E	An internal error occurred. (detailed information = "*detailed-information*")	If the problem persists, detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information, and then contact customer support.
KAIC08621-E	The VASA provider could not be added because another VASA provider is already registered.	Remove registered VASA Provider, and then try again.
KAIC08700-E	A remote path between the Fibre Channel port and iSCSI port cannot be specified.	Revise the specified port, and then try again.
KAIC08701-E	The minimum amount of data required for a response could not be acquired within a certain period of time.	Try again. If the problem persists, to determine the cause and resolve the problem, detailed

Message ID	Message Text	Description
		investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC08702-E	The specified IP address of the iSCSI port of the remote storage system is not an IPv4 or IPv6 address.	Revise the specified IP address, and then try again.
KAIC08703-E	The IPv6 setting of the specified iSCSI port of the local storage system is disabled. The IP address of the iSCSI port of the remote storage system cannot be specified as an IPv6 address.	Revise the specified port and IP address, and then try again.
KAIC08704-E	The port number of the iSCSI port of the remote storage system is outside the valid range. The valid range is from *minimum-value* to *maximum-value*.	Revise the specified port number, and then try again.
KAIC08705-E	The specified port number is incorrect. Specify the port number in the range from *minimum-value* to *maximum-value*.	Revise the specified port number, and then try again.
KAIC08706-E	The pool volumes do not include a *Drive types (SSD/FMD/FMC)* volume, so you cannot specify the parameter "*realtimerelocation*".	Change the specified pool configuration.
KAIC08707-E	For the specified pool, you cannot specify zero *(active flash/Real Time Smart Tier)* volumes because "*Drive types (SSD/FMD/FMC)*" has been enabled for the pool.	Change the specified pool volumes.
KAIC08708-E	An ALUA path priority cannot be modified when a path is not set for the specified host group (port ID = *port ID*, domain ID = *domain ID*).	Set a path, and then try again.
KAIC08709-E	The operation failed because the number of host groups for which paths to LDEVs have been set by ALUA exceeds the upper limit (*upper limit value of ALUA enabled host group.*) of the storage system.	Disable the ALUA application status of the unused LDEV, and then try again.
KAIC08710-E	In microcode version *microcode-version* for the specified storage system, the item "*parameter-name*" specified for the iSCSI target is not supported.	Check the microcode version of the storage system.

Message ID	Message Text	Description
KAIC08711-E	The task could not be initiated because the ALUA path priority of the specified host group is already set as *attribute value (Active/Optimized, Active/Non-Optimized)*.	Revise the settings of the host group.
KAIC08712-E	The ALUA path priority could not be set because a path was not added to the host group to be created. (port ID = *port ID*, domain ID = *domain ID*)	Specify a path, then try again.
KAIC08713-E	The pair status is neither Split nor Suspend.	Check the pair status.
KAIC08714-E	The specified source volume (devnum = *devnum (device-number) of volume*) is a mainframe volume for which ALUA cannot be set.	Revise your selection, and then try again.
KAIC08715-E	This task cannot be performed because the number of host storage domains that contain ALUA volume exceeds the upper limit(*max count of host storage domain which has ALUA volume*).	Revise your selection, and then try again.
KAIC08716-E	This task cannot be performed because the specified host storage domain is associated with an iSCSI port.	Revise your selection, and then try again.
KAIC08717-E	Unable to run the command because ALUA is already set for the specified LDEV.	Revise your selection, and then try again.
KAIC08718-E	Unable to run the command because ALUA is not set for the specified LDEV.	Set ALUA for the LDEV, and then run the command.
KAIC08719-E	The T10 PI option of the external volume could not be enabled.	Revise the request, and then try again.
KAIC08720-E	The specified task could not be performed because the T10 PI option is enabled for the volume (*device-number*).	Specify another volume, and then try again.
KAIC08721-E	The path of a port for which the T10 PI mode is disabled cannot be specified because the T10 PI option of the volume (*device-number*) is enabled.	Specify another volume or port, and then try again.
KAIC08722-E	The request could not be processed. The T10 PI values specified for the primary and secondary volumes do not match.	When you configure the primary and secondary volumes, make sure that the T10 P1 value set for

Message ID	Message Text	Description
		the primary volume is same as the secondary volume.
KAIC08723-E	The request could not be processed. The T10 PI values specified for the source and target volumes do not match.	When you configure the source and target volumes, make sure that the T10 P1 value set for the source volume is same as the target volume.
KAIC08724-E	The task could not be performed on the specified port (port ID = *port ID*) because the port belongs to a resource group whose resources are reserved by the storage system (resource group name = *resource group name*). Specify another port, and then try again.	Specify another port, and then try again.
KAIC08725-E	The task could not be performed on the specified host group (port ID = *port ID*, domain ID = *domain ID*) because it belongs to a resource group whose resources are reserved by the storage system (resource group name = *resource group name*). Specify another host group number, and then try again.	Specify another host group, and then try again.
KAIC08726-E	The task could not be performed on the specified LDEV (LDEV ID (*device number*) because it belongs to a resource group whose resources are reserved by the storage system (resource group name = *resource group name*). Specify a different LDEV ID, and then try again.	Specify another LDEV ID, and then try again.
KAIC08727-E	The task could not be performed on the specified virtual LDEV (device number = *device number*) because it belongs to a resource group whose resources are reserved by the storage system (resource group name = *resource group name*). Specify a different virtual LDEV, and then try again.	Specify another virtual LDEV, and then try again.
KAIC08728-E	The task could not be performed on the resource group (*resource group ID*) because it is reserved by the storage system.	Specify another resource group, and then try again.
KAIC08729-E	The task could not be performed on the *port type* port (port ID = *port ID*) because the	Specify another port, and then try again.

Message ID	Message Text	Description
	corresponding resource group is reserved by the storage system.	
KAIC08730-E	The task could not be performed on the host group (port ID = *port ID*, domain ID = *domain ID*) that belongs to the *port type* port because the corresponding resource group is reserved by the storage system.	Specify another host group, and then try again.
KAIC08731-E	The task could not be performed on the *reservation attribute* volume (device number = *device number*) because the corresponding resource group is reserved by the storage system.	Specify another volume, and then try again.
KAIC08732-E	The role of a port whose type is "*port-type*" cannot be modified.	Revise the port specification.
KAIC08733-E	Unable to reclaim zero pages on volume of the LU *device-number* because the volume belongs to a host group for which host mode option *host-mode* is set.	Check and, if necessary, revise the LU specification.
KAIC08734-E	No value is set for the *Attribute1* attribute. To manually specify a value for the *Attribute2* attribute, you must also specify a value for the *Attribute1* attribute. Specify a value for the *Attribute1* attribute, and then try again.	Specify a value for the *Attribute1* attribute, and then try again.
KAIC08751-E	An external volume for which the Data Direct Mapping attribute, or Pool Only attribute is enabled cannot be specified.	Specify another volume, and then try again.
KAIC08752-E	A *PP name (Dynamic Provisioning)* pool enabled for Data Direct Mapping cannot be specified.	Specify another pool, and then try again.
KAIC08754-E	A *PP name (Dynamic Provisioning)* volume enabled for Data Direct Mapping cannot be specified.	Specify another volume, and then try again.
KAIC08755-E	A *PP name (Dynamic Provisioning)* volume enabled for Data Direct Mapping cannot be specified as a pair volume between the specified storage systems.	Specify another volume, and then try again.
KAIC08761-E	This operation cannot be performed, because the specified volume (device number = *device-number*) is not a *P-VOL* of	Check and, if necessary, revise the specified volume, and then try the operation again.

Message ID	Message Text	Description
	TrueCopy and Universal Replicator. Check and, if necessary, revise the specified volume, and then try the operation again.	
KAIC08762-E	The specified option (*applyMonitorDataAndRelocate*) cannot specify more than one pool. Revise the specification, and then try again.	Revise the specification, and then try again.
KAIC08763-E	This operation cannot be performed, because the specified volume (device number = *device-number*) is not paired with the P-VOL from which the monitoring data was exported. Revise the volume specification, and then try again.	Revise the volume specification, and then try again.
KAIC08764-E	The operation cannot be performed because the specified volume is either not an open volume or a mainframe volume (device number = *device-number*).	Check and, if necessary, change the specified volume. Then, try the operation again.
KAIC08771-E	The microcode version of the specified storage system, "*storage-name*", is not supported for the creation of the virtual storage machine, "*family-name*".	Upgrade the microcode version, and then try again.
KAIC08772-E	The value of the attribute of the specified target port (*displayname of target port*) is neither 'Target' nor 'Bidirectional'. Change the port attribute, then try again.	Change the specified port attribute, then try again.
KAIC08773-E	The value of the attribute of the specified target port (*displayname of target port*) is neither 'External' nor 'Bidirectional'. Change the port attribute, then try again.	Change the specified port attribute, then try again.
KAIC08774-E	No parameters are specified for the "*element name*" element. Specify one of the following attributes: "*attribute name 1*", "*attribute name 2*", "*attribute name 3*", "*attribute name 4*" or "*attribute name 5*".	Change the specified port attribute, then try again.
KAIC08775-E	The specified volume cannot be formatted, because *dedupe and compression* is enabled. Format the volume by using *Hitachi*	Format the volume by using *Hitachi Device Manager - Storage Navigator*.

Message ID	Message Text	Description
	Device Manager - Storage Navigator.	
KAIC08776-E	The specified volume cannot be deleted, because *dedupe and compression* is enabled. Delete the volume by using *Hitachi Device Manager - Storage Navigator*.	Delete the volume by using *Hitachi Device Manager - Storage Navigator*.
KAIC08777-E	The specified pool cannot be deleted, because the deduplication function is enabled. Delete the pool by using *Hitachi Device Manager - Storage Navigator*.	Delete the pool by using *Hitachi Device Manager - Storage Navigator*.
KAIC08778-E	The specified volume is a deduplication system data volume, so it cannot be formatted. Format the volume by using *Hitachi Device Manager - Storage Navigator*.	Format the volume by using *Hitachi Device Manager - Storage Navigator*.
KAIC08800-E	An internal error occurred during initialization of performance data.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08801-E	Unable to initialize performance data. The config file "*Config file*" is not valid or cannot be accessed.	Take one or more of the following actions, as appropriate, and then retry the operation: • Make sure the config file exists. • Make sure you have access permissions for the config file. • Make sure the file contents are valid. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08802-E	An unexpected error occurred during initialization of performance data.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08803-E	Unable to connect to Tuning Manager. (host name = "*host-name*", protocol = "*protocol*", port number = "*port-number*")	Complete one or more of the following checks, as appropriate, and then retry the task: • Make sure that Tuning Manager is running.

Message ID	Message Text	Description
		• Make sure that the time difference among Device Manager, Tuning Manager and Agent is less than 5 minutes. • Make sure the storage system was refreshed after the configuration was changed. • Make sure the host name specified at "`htnm.server.n.host`" can be correctly resolved. • Make sure the protocol specified at "`htnm.server.n.protocol`" is supported. • Make sure the port number specified at "`htnm.server.n.port`" is valid. • Make sure there is no problem with the port settings for operation in a firewall environment. • Make sure the Tuning Manager version supports the connection with Device Manager. See the Device Manager manual, and revise any settings required for displaying performance data. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08804-E	The specified Tuning Manager IP address "*IP address*" is not in the correct format. Specify an IPv4 address.	Specify the IP address in IPv4 format.
KAIC08805-E	An unexpected error occurred during Tuning Manager connection. (host name = "*host-name*", protocol="*protocol* , port number = "*port-number*")	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08807-E	Unable to connect to Tuning Manager. The Device Manager or the Tuning Manager does not support the functionality. (host name = "*host-name*")	See the Device Manager manual, and check the supported versions of Device Manager and Tuning Manager.

Message ID	Message Text	Description
KAIC08808-E	Unable to collect performance data. There is no Agent registered to Tuning Manager, or Device Manager does not support the Agent and the Agent data model. (host name = "*host-name*")	Take one or more of the following actions, as appropriate, then retry the operation: • Make sure that agent is registered to Tuning Manager. • See the Tuning Manager manual, and check the Agent versions and the Agent data models that are supported by Device Manager for collecting performance data.
KAIC08809-E	An unexpected error occurred during collection of performance data. (host name = "*host-name*",protocol="*protocol*", port number = "*port-number*")	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08810-E	Unable to collect Performance data. The Device Manager database cannot be accessed.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08811-E	Tuning Manager is not monitoring the specified storage system, or no performance data has the specified duration "*specified duration*". (host name = "*host-name*", agent name = "*agent-name*")	Take one or more of the following actions, as appropriate, and then retry the operation: • Make sure that Tuning Manager can collect performance data from the storage subsystem being monitored. • From Tuning Manager, check the period during which performance data is to be collected.
KAIC08812-E	Unable to collect performance data. A connection from the Tuning Manager to the agent cannot be established. (host name = "*host-name*", agent name = "*agent-name*")	Take one or more of the following actions, as appropriate, and then retry the operation: • Revise the network settings or status between the Tuning Manager and the agent. • Revise the agent environment. If necessary, see the Tuning Manager manual. If the problem persists detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC08813-E	Tuning Manager memory is insufficient for performance data collection. (host name = "*host-name*")	Take one or more of the following actions, as appropriate, and then retry the operation: • Close unnecessary applications and windows and ensure there is enough memory. • Shorten the period during which performance data is collected. • Reduce the number of simultaneous collections of performance data. • Ensure that "blockTransferMode=true" is specified in the config file (`config.xml`). If necessary, see the Tuning Manager manual. If this problem continues, contact Support.
KAIC08814-E	Collection of performance data failed. Device Manager does not support Performance Advisor version *version*.	To collect performance data from Performance Advisor, use Performance Advisor version 5.0.0 or later.
KAIC08815-E	Collection of performance data failed. An attempt to connect to the Performance Advisor server failed.	Check the connection between Performance Advisor CLUI and the Performance Advisor server.
KAIC08816-E	Collection of performance data failed. Performance Advisor CLUI commands cannot be executed.	Confirm the following: - Performance Advisor CLUI is properly installed. - The Performance Advisor CLUI installation path specified for `hppa.CLIClientPath` of the `hppa.properties` property is correct.
KAIC08817-E	Collection of performance data failed. An error occurred in Performance Advisor. The Performance Advisor server might not be running properly.	Confirm the following: • Performance Advisor CLUI is running properly. • Commands can be properly executed from Performance Advisor CLUI. To resolve the problem, see the Performance Advisor manual. If this problem continues, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you

Message ID	Message Text	Description
		to collect troubleshooting information.
KAIC08818-E	An internal error occurred during collecting the performance data.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08819-E	A setting for collecting performance data is invalid.	Confirm that the value specified for the `htnm.servers` property in the `tuningmanager.properties` file is valid, and then retry the operation.
KAIC08820-E	There is no response from Performance Advisor. The Performance Advisor server might not be running properly.	Confirm the following: • Performance Advisor CLUI is running properly. • Commands can be properly executed from Performance Advisor CLUI. To resolve the problem, see the Performance Advisor manual. If this problem continues, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08821-E	Tuning Manager connection timed out. There may be a problem with the network or the Tuning Manager server load may be too high. Wait a few minutes and try again. (host name = *host-name*)	Do the following: • Confirm that Tuning Manager and the Tuning Manager service are running. • Wait a few minutes and re-establish a connection with Tuning Manager. • If ownHost is specified at the config.xml, confirm that the IPv4 address or host name that can be correctly resolved is set. • Restart Tuning Manager and the Tuning Manager service. If this problem continues, collect the error information and contact Support.
KAIC08822-E	Tuning Manager is not monitoring the specified storage system.	Make sure that Tuning Manager is monitoring the specified storage system, and then retry the operation.

Message ID	Message Text	Description
KAIC08823-E	Unable to collect performance data. Another process is collecting performance data. Wait a few minutes and try again.	Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.
KAIC08824-E	Collection of performance data failed. An error occurred in Performance Advisor. A connection might not be possible at the moment. Wait a while, and then retry the operation. If this problem continues, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	A connection might not be possible at the moment. Wait a while, and then retry the operation. If this problem continues, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08825-E	Unable to collect Tuning Manager data.	Contact Support.
KAIC08826-E	Unable to collect performance data. An error occurred between Tuning Manager and an agent. (host name = "*host-name*", agent name = "*agent-name*")	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08827-E	Unable to collect Tuning Manager data. The config file "*Config file*" is not valid or cannot be accessed.	Do the following and then retry: • Ensure the config file exists. • Ensure you have access permissions for the config file. • Ensure the file contents are valid. If this problem continues, contact Support.
KAIC08828-E	Unable to collect Tuning Manager data. An error occurred between Tuning Manager and an agent. (host name = "*host-name*", agent name = "*agent-name*")	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08829-E	Unable to collect Tuning Manager data. Another process is collecting data. Wait a few minutes and try again.	Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.
KAIC08830-E	Unable to collect Tuning Manager data. No agent is registered with Tuning Manager, or Device Manager does not support the agent and the agent data model. (host name = "*host-name*")	Do the following and then retry: • Ensure the agent is registered with Tuning Manager. • See the Tuning Manager manual, and check the agent

Message ID	Message Text	Description
		versions and the agent data models that are supported by Device Manager for collecting data.
KAIC08831-E	Unable to collect Tuning Manager data. (host name = "*host-name*", protocol = "*protocol*", port number = "*port-number*")	Contact Support.
KAIC08832-E	Unable to collect Tuning Manager data. A connection from the Tuning Manager to the agent cannot be established. (host name = "*host-name*", agent name = "*agent-name*")	Take one or more of the following actions, as appropriate, and then retry the operation: • Revise the network settings or status between the Tuning Manager and the agent. • Revise the agent environment. If necessary, see the Tuning Manager manual. If the problem persists detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC08833-E	Tuning Manager memory is insufficient for data collection. (host name = "*host-name*")	Do the following and then retry: • Ensure that "blockTransferMode=true" is specified in the config file (`config.xml`). If necessary, see the Tuning Manager manual. If this problem continues, contact Support.
KAIC08834-E	Tuning Manager is not monitoring the specified storage system, or the agent does not have data. (host name = "*host-name*", agent name = "*agent-name*")	Verify that Tuning Manager can collect data from the storage system being monitored, and then retry.
KAIC08835-E	Tuning Manager is not monitoring the specified storage system (*storage-system-name*), or the agent does not have data.	Verify that Tuning Manager can collect data from the storage system being monitored, and then retry.
KAIC08836-E	Unable to collect Tuning Manager data. (host name = "*host-name*", protocol = "*agent-name*", record names = "*record-names*")	Verify the Tuning Manager agent status.
KAIC08837-E	Unable to collect data from Tuning Manager. The agent is busy. (host name = "*host-name*", agent name = "*agent-name*")	Verify the Tuning Manager Agent Status, and then retry when the agent is not busy.

Message ID	Message Text	Description
KAIC08838-E	Synchronizing a host was successful, but the configuration of host can not be gathered. Refresh the host manually to gather the host configuration. (Host name = *host-name*)	-
KAIC08839-E	Performance Advisor is not monitoring the specified storage system.	Make sure that Performance Advisor is monitoring the specified storage system, and then retry the operation.
KAIC08840-E	Processing cannot be performed because the Device Manager server is not running.	Restart the Device Manager server.
KAIC08841-E	An internal error occurred while information was being collected from Tuning Manager. (host name = *host-name*)	If the problem occurs repeatedly, detailed investigation is required to find the cause and resolve the problem. Collect troubleshooting information and contact the Support Center.
KAIC08842-E	A connection to Tuning Manager could not be established. (host name = *host-name*, protocol = *protocol*, port number = *port-number*)	Make sure the following are true, and then retry the operation: • Tuning Manager and the Tuning Manager service are up and running. • The storage system was refreshed, if configuration had been changed on the storage system or the Tuning Manager. • The Tuning Manager server name specified in `htnm.server.n.host` can be correctly resolved. • The protocol specified in `htnm.server.n.protocol` is the same as the protocol being used by Tuning Manager. • The port number specified in `htnm.server.n.port` is the same as the port number being used by Tuning Manager. • The port number specified in `htnm.server.n.port` is registered as an exception in the firewall for the Tuning Manager server if Tuning Manager is running on different server. Check the necessary settings for displaying performance

Message ID	Message Text	Description
		information, and revise if necessary. If the same error occurs repeatedly, collect troubleshooting information and contact the Support Center.
KAIC08843-E	The Tuning Manager connection timed out. A problem might have occurred on the network, or the load might have temporarily been high on the Tuning Manager server. (host name = *host-name*)	Perform the following procedure, wait a while, and then retry the operation: • Check the status of the network and verify that Tuning Manager can be connected to. • Verify that the Tuning Manager server is running. • If necessary, restart Tuning Manager and the Tuning Manager service. • On each screen of the Identify Performance Problems Wizard, for the resource information table, set the number of rows per page to 30. • In [**2. Target selection**] of the Identify Performance Problems Wizard, shorten the analysis period. If the same error occurs repeatedly, collect troubleshooting information and contact contact the Support Center.
KAIC08844-E	Information cannot be collected from Tuning Manager. (host name = *host-name*)	If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC08845-E	The system environment for Tuning Manager is invalid. (host name = *host-name*)	If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC08846-E	No valid licenses are registered in Tuning Manager. (host name = *host-name*)	Contact the Tuning Manager server administrator and register valid licenses.
KAIC08847-E	The connection to Tuning Manager cannot be authenticated. (host name = *host-name*)	Make sure you can login to that Tuning Manager using the GUI, and then retry the operation. If the problem occurs repeatedly, detailed investigation is required to find the cause and resolve the problem. Collect troubleshooting information and contact the Support Center.

Message ID	Message Text	Description
KAIC08848-E	The connection to Tuning Manager cannot be authenticated because of an unexpected error. (host name = *host-name*)	Wait a while, and then retry the operation. If the error occurs again, contact the Tuning Manager server administrator.
KAIC08849-E	An error occurred while a database in Tuning Manager was being accessed. (host name = *host-name*)	If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC08850-E	Information cannot be collected from Tuning Manager. A connection to the agent from Tuning Manager could not be established. (host name = *host-name*, agent host name = *agent-host-name*, agent name = *agent-name*)	Perform the following procedue, and then retry the operation: • Refresh the storage system. • Make sure that the agent is registered in Tuning Manager. • Check the network settings and network status between Tuning Manager and the agent. • Check the supported versions of the agent. • Check the operation status of the agent. If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC08851-E	Information cannot be collected from Tuning Manager. The agent host is experiencing too many requests. (host name = *host-name*, agent host name = *agent-host-name*, agent name = *agent-name*)	Wait a while, and then retry the operation. If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC08852-E	An error occurred while information was being collected from Tuning Manager. The version of Tuning Manager on the connection target does not support the function, or the Tuning Manager server REST API Component service is not running. (host name = *host-name*)	Perform the following and then restart the system: • Use a version of Tuning Manager that supports the Tuning Manager API functionality. • Start the Tuning Manager server REST API Component service. If the problem occurs repeatedly, collect troubleshooting information and contact the Support Center.
KAIC08853-E	Information cannot be collected from Tuning Manager. A connection to the agent from Tuning Manager could not be	Perform the following procedure, and then retry the operation: • Refresh the storage system.

Message ID	Message Text	Description
	established. (host name = *host-name*, agent host name = *agent-host-name*, agent name = *agent-name*)	• Verify that the agent is registered in Tuning Manager. If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC08854-E	A connection to Tuning Manager could not be established. Device Manager might not support the version of Tuning Manager on the connection target. (host name = *host-name*)	Check the supported versions of Tuning Manager.
KAIC08855-E	The connection to Tuning Manager cannot be authenticated. The session is invalid. (host name = *host-name*)	Resolve the authentication, and then try again.
KAIC08856-E	An attempt to load information failed, because the Tuning Manager Agent is currently being initialized. (host name = *host-name*, agent host name = *agent-host-name*, agent name = *agent-name*)	Wait a while, and then retry the operation. If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC08857-E	The input value is invalid.	-
KAIC08858-E	A definition that is not being used for monitoring was found. (definition type = *defType*, ID = *unused-id*)	-
KAIC08859-E	The specified alert definition already exists. (alert definition = *alert name*)	-
KAIC08860-E	An instance that is monitoring an unknown target was detected. (host = *hostname*, instance = *instance name*, target = *target type*)	Upgrade the Device Manager server to the latest version.
KAIC08861-E	A value out of range is specified. (element = *element*, minimum value = *minimum*, maximum value = *maximum*)	-
KAIC08863-E	An invalid value is specified. (element = *element*, value = *value*)	-
KAIC08865-E	A string that is too long is specified. (element = *element*, value = *value*, minimum value = *minimum-length*, maximum value = *max-length*)	-

Message ID	Message Text	Description
KAIC08867-E	A required element was not found. (element = *element*)	-
KAIC08869-E	An invalid ID is specified. (definition ID = *definitionId*, ID = *id*)	-
KAIC08871-E	The format is invalid.	-
KAIC08873-E	An error occurred in the communication with the Tuning Manager Agent. (HTTP code = *httpcode*, host = *hostname*, protocol = *protocol*, port number = *portnumber*)	-
KAIC08874-E	Check whether the Tuning Manager Agent is running, or whether Device Manager is able to communicate with Tuning Manager Agent.	-
KAIC08875-E	An internal error occurred during communication with the Tuning Manager Agent. (HTTP code = *httpcode*, host = *hostname*, protocol = *protocol*, port number = *portnumber*)	-
KAIC08876-E	Contact customer support.	-
KAIC08877-E	An error occurred when the database was being accessed.	-
KAIC08878-E	Check whether the Device Manager server is running..	-
KAIC08879-E	A timeout error occurred in the communication with the Tuning Manager Agent. (host = *hostname*, protocol = *protocol*, port number = *portnumber*)	-
KAIC08880-E	An error might have occurred on the network, or the load on the Tuning Manager server might be temporarily high.	-
KAIC08881-E	An instance of the Tuning Manager Agent was not found. (host = *hostname*, agent type = *agenttype*, instance = *instancename*)	Perform the following, and then try again: - Refresh the storage system.If the problem occurs again, contact the administrator of the Tuning Manager server.
KAIC08882-E	The Tuning Manager Agent is not in Hybrid Store mode. (host = *hostname*, agent type = *agenttype*)	-
KAIC08884-E	An alert definition with the same name already exists.	-

Message ID	Message Text	Description
KAIC08885-E	A field name that does not exist was specified.	-
KAIC08886-E	The alert definitions of the Device Manager server and Tuning Manager Agent do not match.	-
KAIC08887-E	A key name that does not exist was specified.	-
KAIC08888-E	A request is invalid. (detailed information = *detail*)	Correct the request based on the detailed information, and then try again.
KAIC08911-E	The specified alert was not found.	-
KAIC08912-E	Check the alert name.	-
KAIC08913-E	The number of condition exceeds the maximum that a Tuning Manager Agent instance can monitor. (element = *elementName*, current value = *current*, maximum value = *maximum*)	Revise the alert definitions that is used by the Tuning Manager Agent instance monitored. Modify or delete and try again.
KAIC09000-E	An unidentifiable CIM Wbem service error was encountered.	Contact the Support Center.
KAIC09001-E	"*CIM-class-name*" class does not support the "*method-name*" method.	Use another operation. If the used operation should be supported, contact the Support Center.
KAIC09002-E	An unidentifiable CIM Wbem service error was encountered. An attempt to find the "*CIM-class-name*" class has failed.	Contact the Support Center.
KAIC09003-E	An unidentifiable CIM Wbem service error was encountered. "*stack-trace*"	Contact the Support Center.
KAIC09004-E	An unidentifiable CIM Wbem service error was encountered. The ACL users table is empty.	Check the server condition ACL users.
KAIC09005-E	An unidentifiable CIM Wbem service error was encountered. The ACL rules table is empty.	Check the server condition ACL rules.
KAIC09006-E	Authentication has failed. username: "*user-name*"	Check the username and password, and then retry.
KAIC09007-E	The operation was denied. username: "*user-name*", write request: "*whether-request-needs-write-permission*"	Check the username, password and user permissions, and then retry.
KAIC09008-E	The operation was not authorized. username: "*user-*	Check the username, password and user permissions, and then retry.

Message ID	Message Text	Description
	name", write request: "*whether-request-needs-write-permission*"	
KAIC09009-E	The "*requested-operation-name*" operation has failed.	Follow the last related message. If there is no related message, contact the Support Center.
KAIC09011-E	An attempt to create a CIM-Instance failed. Class:"*CIM-class-name*", Key:"*key-properties*", "*stack-trace*"	Contact the Support Center.
KAIC09012-E	An attempt to create a CIM-ObjectPath has failed. Class:"*CIM-class-name*", Key:"*key-properties*", "*stack-trace*"	Contact the Support Center.
KAIC09013-E	The WQL is invalid. Property:"*property-name*", Operator:"*operator(number)*", Value:"*value*"	Check the specified WQL or ObjectPath, and then retry.
KAIC09014-E	The WQL is unsupported. Property:"*property-name*", Operator:"*operator(number)*", Value:"*value*"	Check the specified WQL or ObjectPath, and then retry.
KAIC09015-E	This association cannot be associated. Source(Class:"*source-CIM-class-name*",Role:"*source-role*") and Result(Class:"*result-CIM-class-name*",Role:"*result-role*")	This is an informational message only. No additional action is required.
KAIC09016-E	This association is not supported as a result class of this Association class. "*class-name*"	Contact the Support Center.
KAIC09017-E	An invalid key property exists in the ObjectPath. "*key-name*"	Check the specified ObjectPath, and then retry.
KAIC09018-E	An attempt to obtain a class name from ObjectPath has failed. ObjectPath: "*ObjectPath*"	Check the specified ObjectPath, and then retry.
KAIC09019-E	The WQL is invalid. wql:"*WQL*"	Check the specified WQL or ObjectPath, and then retry.
KAIC09020-E	The class is invalid. class: "*class-name*"	Check the specified ObjectPath, and then retry.
KAIC09021-E	The property is invalid. Property: "*property-name*" value: "*value*"	Check the specified WQL or ObjectPath, and then retry.
KAIC09022-E	The role parameter is invalid. "*role*"	Check the specified role or resultRole, and then retry.
KAIC09023-E	The parameter is invalid. When ResultClass is not specified, PropertyList cannot be specified.	Specify the ResultClass, or do not specify the PropertyList.

Message ID	Message Text	Description
KAIC09024-E	The argument type is invalid. "*type*"	Check the specified argument type, and then retry.
KAIC09025-E	An internal error occurred. "*object-name*" is null.	Contact the Support Center.
KAIC09026-E	The instance does not exist. Object path:"*Object path*"	Check the object path, and then re-execute.
KAIC09027-E	In the "*requested-operation-name*" operation, An attempt to retrieve data for the storage system has failed.	Follow the last related message. If there is no related message, contact the Support Center.
KAIC09028-E	"*DeviceManager_error_code*","*Storage_API_error_code*","*Storage_API_error_code*","*Storage_API_detail_information*"	Call server administrator.
KAIC09029-E	"*DeviceManager_error_code*","*Storage_API_error_code*","*Storage_API_error_code*","*Storage_API_detail_information*"	Call server administrator.
KAIC09100-E	CIM-WBEM Service initialization error: an invalid HTTP port number "*port-number*" has been specified.	Confirm the value of "`server.properties`" and restart the services.
KAIC09101-E	CIM-WBEM Service initialization error: an invalid HTTPS port number "*port-number*" has been specified.	Confirm the value of "`server.properties`" and restart the services.
KAIC09114-E	An attempt to start the CIM-WBEM Service on port "*port-number*" failed.	Stop any service that uses a port having a port number used by the CIM-WBEM Service, and restart the Device Manager Server.
KAIC09501-E	An error occurred within SLP API processing. SLP error number: "*SLP-error-number*", error details: "*error-detail*"	Check if the SLP daemon is running. If it is not running, then start it and restart the Device Manager Server. If this error occurs even the SLP daemon is already running, then contact the Support Center.

KAIC10000 - KAIC19999

The following table describes messages KAIC10000 to KAIC19999, which are related to Device Manager GUI. Unless stated otherwise, *server* refers to the Hitachi Command Suite management server. For messages with the sentence "Call server administrator." in the message text or in the description, contact the Hitachi Command Suite storage administrator.

Table 2-10 KAIC10000 - KAIC19999 (messages related to Device Manager GUI)

Message ID	Message Text	Description
KAIC10001-W	Currently, there are commands being processed for subsystem *subsystem-name*.	Please retry this action after the active commands are completed.
KAIC10002-W	Cannot Move Storage to a LogicalGroup which has different subsystem.	Please move storage to a Logical Group which contains storage in same storage subsystem.
KAIC10003-W	Currently, there are commands being processed for subsystem *subsystem-name*.	Please retry this action after the active commands are completed.
KAIC10004-W	There are processing tasks still running on logical group "*logical-group-name*".	Please retry this action after the active commands are completed.
KAIC10005-W	There are processing tasks still running on storage subsystem "*subsystem-name*".	Please retry this action after the active commands are completed.
KAIC10006-W	Currently, there are commands being processed for subsystem *subsystem-name*.	Please retry this action after the active commands are completed.
KAIC10010-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to add the storage has failed. Please retry this action after the previous action is completed.
KAIC10011-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to modify the host has failed. Please retry this action after the previous action is completed.
KAIC10012-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the host has failed. Please retry this action after the previous action is completed.
KAIC10013-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to move same LUN has failed. Please retry this action after the previous action is completed.
KAIC10015-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the LUN security has failed. Please retry this action after the previous action is completed.
KAIC10016-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to remove the Port has failed. Please retry this action after the previous action is completed.

Message ID	Message Text	Description
KAIC10017-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the group has failed. Please retry this action after the previous action is completed.
KAIC10018-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the storage has failed. Please retry this action after the previous action is completed.
KAIC10019-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the storage array has failed. Please retry this action after the previous action is completed.
KAIC10024-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to scan LUN has failed. Please retry this action after the previous action is completed.
KAIC10025-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the storage from multi groups has failed. Please retry this action after the previous action is completed.
KAIC10026-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to add the Logical Unit has failed. Please retry this action after the previous action is completed.
KAIC10027-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the Logical Unit has failed. Please retry this action after the previous action is completed.
KAIC10028-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to add the array group has failed. Please retry this action after the previous action is completed.
KAIC10029-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to define spares has failed. Please retry this action after the previous action is completed.
KAIC10030-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to delete the array group has failed. Please retry this action after the previous action is completed.
KAIC10031-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to modify the port controller has failed. Please retry this action after the previous action is completed.

Message ID	Message Text	Description
KAIC10032-W	Subsystem is busy. Please retry this action after the previous action is completed.	An attempt to add HostStorageDomain has failed. Please retry this action after the previous action is completed.
KAIC10033-E	The server is returning a Message ID that is used by a previous command.	If this error persists, please contact the Support Center.
KAIC10034-W	Delete alerts is in process. Please retry this action after the previous action is completed.	Please retry this action after the active action is completed.
KAIC10035-E	Device Manager Web Client was unable to communicate with the Device Manager Server.	Check the network status and whether the Device Manager server is running correctly. If a network problem exists, remove its cause. If the Device Manager server has stopped, start it. If you cannot start the server, contact the Support Center. Even if the Device Manager server is running correctly, this message might be output if the Device Manager server takes an unusually long time to start because of its status when it last stopped. In this case, wait a while and then retry starting the server.
KAIC10036-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10037-E	A problem was encountered trying to download and install the server certificate. Device Manager Web Client is unable to access the Device Manager Server through the secure channel. Please contact your system administrator for assistance.	Please ask the system administrator if the Keystore file is located in correct location on the server machine.
KAIC10038-E	A file required for a secure socket connection cannot be downloaded. Click OK to exit the system.	Please check the network configuration.
KAIC10039-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10040-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10041-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10042-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.

Message ID	Message Text	Description
KAIC10043-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10044-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10045-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10046-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10047-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10048-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10049-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10050-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10051-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10052-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10053-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10054-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10055-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10056-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10057-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10058-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10059-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10060-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10061-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10062-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10063-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.

Message ID	Message Text	Description
KAIC10064-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10065-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10066-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10067-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10068-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10069-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10070-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10071-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10072-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10073-E	A user is not permitted to log in as Peer.	Please log in not as Peer.
KAIC10074-E	Since the version of JRE is old,Web Client cannot be started. The version of JRE which is operating now is *JRE-version*.	Confirm that you are using a JRE version that is supported for use with Web Client.
KAIC10075-E	The Logical Group that you have selected no longer exists.	Please open another window, then come back to the original window. If this error persists, please contact the Support Center.
KAIC10078-E	Cannot parse "*value*" into a floating point number.	If this error persists, please contact the Support Center.
KAIC10079-W	No LU is selected.	Please continue process after selecting the storage.
KAIC10080-E	Invalid URL	Please check the network configuration. If you want to launch Storage Navigator or Dynamic Link Manager, please check if the selected application is working properly.
KAIC10081-W	Device Manager cannot modify the logical group because no logical group has been selected.	Please continue operation after a logical group is selected.
KAIC10082-W	A logical group cannot be deleted if it or a child group has already been allocated to a resource group. The resource group must be deleted first.	Please retry operation after deleting the resource group.

Message ID	Message Text	Description
KAIC10083-W	Device Manager cannot delete the logical group because no logical group has been selected.	Please continue operation after a logical group is selected.
KAIC10084-W	Storage cannot be moved to a logical group assigned to the resource group *resource-group-name*.	Please move the storage to a logical group that is not assigned to the resource group.
KAIC10085-W	Device Manager cannot proceed to the next step because no logical group is selected.	Please continue operation after a logical group is selected.
KAIC10086-E	There was an error adding a new host.	Please contact the Support Center.
KAIC10087-W	Currently, there are commands being processed for subsystem *name*.	Please continue operation after the active process is finished.
KAIC10088-W	Currently, there are commands being processed for subsystem *name*.	Please continue operation after the active process is finished.
KAIC10089-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10091-W	All of the disks in an array group must be in the same row and chassis.	Please select disks which are located in the same row and chassis.
KAIC10092-W	You must select at least two (2) disks to create an array group.	Please select at least two disks.
KAIC10093-W	All of the disks in an array group must be next to one another.	Please select disks located next to each other (contiguous).
KAIC10094-W	You cannot delete the user who is currently logged on.	To delete the specified user, first log on as another system administrator or local system administrator.
KAIC10095-W	You have asked to permanently delete the last *resource-group-name* user. There must always be at least one user of this type for Device Manager to work.	Please delete the specified user after creating one or more users.
KAIC10096-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10097-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10098-E	Inconsistent properties found in the logical group "*name*".	Please contact the Support Center.
KAIC10099-W	No storage is selected.	Please retry operation after the storage is selected.
KAIC10100-W	The Storage Array is not selected!	Please retry operation after the storage subsystem is selected.

Message ID	Message Text	Description
KAIC10101-W	This resource group name already exists. Select a different name.	Please select a resource group name which is not duplicated.
KAIC10102-W	Duplicate User Name.	Please select a user name which is not duplicated.
KAIC10103-W	Your user ID or password is invalid, please check with the Administrator.	Please confirm your user ID and password with the Administrator.
KAIC10104-E	Device Manager Web Client has lost the network connection to the Device Manager Server. This might be due to a network problem or the server may be down. Device Manager Web Client will now exit. Please check your network connection and try again later.	Please check if Device Manager is running properly. Please also check network condition. Also confirm that the number of LDEVs specified for a single operation does not exceed the maximum specifiable number. This maximum number is approximately 200 if each LDEV has one volume path, or 100 if each LDEV has two volume paths.
KAIC10105-E	Device Manager has lost the network connection to the Device Manager Agent. This might be due to a network problem or the agent may be down.	Please check if Device Manager Agent is running properly. Please also check network condition.
KAIC10106-E	The Device Manager Server Certificate has expired. Device Manager Web Client will now exit. Please contact your system administrator for assistance.	Please contact the system administrator.
KAIC10108-E	The requested service is not currently implemented on the Device Manager Server.	Please go to the **Help , Index** in menu bar to check if the versions of server and web client match.
KAIC10109-E	An unexpected error occurred in the Device Manager Web Client.	Please contact the Support Center.
KAIC10110-E	An unexpected error occurred in the Device Manager Server.	Please contact the Support Center.
KAIC10111-E	Device Manager Server received bad request.	Please contact the Support Center.
KAIC10112-E	Device Manager Server received too large request.	Please contact System administrator to resize the maximum size of acceptable request for Device Manager Server.
KAIC10113-E	Device Manager Server is shutting down now.	Please contact System administrator.
KAIC10114-E	Device Manager Server cannot find files to be downloaded.	Please contact the Support Center.
KAIC10123-E	Missing host in message response.	Please contact the Support Center.

Message ID	Message Text	Description
KAIC10124-E	Missing HostInfo in message response.	Please contact the Support Center.
KAIC10125-E	Parent Group "*logical-group-name*" was deleted in a previous command.	Please select another logical group for the parent group.
KAIC10126-E	The new parent group already contains storage.	Please select another logical group for the parent group.
KAIC10127-E	Group Name is duplicated!	Please select another group name.
KAIC10128-E	The Group Name "*logical-group-name*" is reserved!	Please select another group name.
KAIC10129-E	The parent group is busy.	Please retry this action after the active action is completed.
KAIC10130-E	Login process to Device Manager Server is failed. Web Client is shutting down now since there is a possibility of having network problem. Please login after checking network connectivity.	Please check if Device Manager is running properly. Please also check network condition.
KAIC10131-E	Failed to receive messages from Device Manager Server. Web Client is shutting down now since there is a possibility of having network problem. Please check your network connection and try again later.	Please check if Device Manager is running properly. Please also check network condition.
KAIC10132-E	Failed to receive messages from Device Manager Server. Web Client is shutting down now since there is a possibility of having network problem. Please check your network connection and try again later.	Please check if Device Manager is running properly. Please also check network condition.
KAIC10133-E	Failed to receive command result from Device Manager Server. Web Client is shutting down now since there is a possibility of having network problem. Please check your network connection and try again later.	Please check if Device Manager is running properly. Please also check network condition.
KAIC10134-W	The password you entered was not correct. You will not be permitted to continue this operation.	Please check password.
KAIC10135-W	More than *number* of disks cannot be defined as spare disks of this subsystem.	Please select fewer spare disks than specified.
KAIC10136-W	The subsystem is busy.	Wait until the processing finishes, and then retry the operation.

Message ID	Message Text	Description
KAIC10137-W	The subsystem is busy.	Wait until the processing finishes, and then retry the operation.
KAIC10139-E	Device Manager Server internal error has occurred.	Please contact the Support Center.
KAIC10140-E	*program-name* cannot be started up.	Please contact System administrator.
KAIC10141-W	Subsystem is busy. Please retry this action after the previous action is completed.	Please continue operation after the active process is finished.
KAIC10142-W	Subsystem is busy. Please retry this action after the previous action is completed.	Please continue operation after the active process is finished.
KAIC10143-W	One or no WWNs exist in the WWN group *WWN-group-name*. Make sure that two or more WWNs exist in the WWN group.	Add two or more WWNs to the WWN group.
KAIC10144-W	No LUNs exist in the LUN Group *LUN-group-name*. Make sure that more than one LUN exists in the LUN Group.	Add one or more LUNs to the LUN group.
KAIC10145-W	A WWN group of the same name already exists in either the dropdown list or storage subsystem.	Change the name of the WWN group to one which does not exist.
KAIC10146-W	An LUN group of the same name already exists in either the dropdown list or storage subsystem.	Change the name of the LUN group to one which does not exist.
KAIC10147-W	The subsystem is busy. Try this action again once the previous action has completed.	Please continue operation after the active process is finished.
KAIC10148-E	The specified WWN is being used with a different LUN/LUN Group, and cannot be registered.	Change the security of the LUN of the corresponding WWN, or de-allocate the WWN.
KAIC10149-W	WWN group names must be less than eight characters, and more than one character.	Change the name.
KAIC10150-W	LUN group names must be less than eight characters, and more than one character.	Change the name.
KAIC10151-W	Only the following characters can be used in group names: ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789	Change the name.

Message ID	Message Text	Description
	_-+=.@!#$%&'^~`[](){}	
KAIC10152-W	Only the following characters can be used in group names: ABCDEFGHIJKLMNOPQRSTUVWXYZ abcdefghijklmnopqrstuvwxyz 0123456789 _-+=.@!#$%&'^~`[](){}	Change the name.
KAIC10153-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10154-E	The LDEV "*DevNum*" can not be used as a command device. The capacity of the LDEV is not sufficient.	Check the capacity of the LDEV/LU and choose another.
KAIC10155-E	Subsystem is busy. Please retry this action after the previous action is completed.	Please continue operation after the active process is finished.
KAIC10156-E	Subsystem is busy. Please retry this action after the previous action is completed.	Please continue operation after the active process is finished.
KAIC10157-E	Subsystem is busy. Please retry this action after the previous action is completed.	Please continue operation after the active process is finished.
KAIC10158-W	A duplicate nickname is specified.	Specify a unique nickname, and try again.
KAIC10159-W	The specified nickname "*nickname*" is not available. This nickname is already used by another HostStorageDomain on the same port.	Change the name of the HostStorageDomain to one which does not exist.
KAIC10160-W	The specified nickname "*nickname*" is not available. This nickname is already used by another WWN/HostStorageDomain on the same port.	Change the name of the WWN/HostStorageDomain to one which does not exist.
KAIC10161-W	The WWN Group could not be registered, because LUN security is disabled. Please enable LUN security.	Enable LUN security for this port.
KAIC10162-W	The LUN Group could not be registered, because LUN security is disabled. Please enable LUN security.	Enable LUN security for this port.
KAIC10163-W	The cascading copy pairs by ShadowImage / BusinessCopy exist in the group *group-name*	Select another group, or create a new group.

Message ID	Message Text	Description
	(Host: *host-name* HORCM: *instance-number*). Cascading copy pairs cannot be specified in the same group. Please select different groups.	
KAIC10164-W	The specified copy pair name *copy-pair-name* already exists in Host: *host-name* HORCM: *instance-number*. Please enter a different copy pair name.	Specify another copy pair name.
KAIC10165-W	The specified copy pair name *copy-pair-name* is duplicated in Host: *host-name* HORCM: *instance-number*. Please enter a different copy pair name.	Specify another copy pair name.
KAIC10166-W	The group *group-name* (Host: *host-name* HORCM: *instance-number*) cannot register this combination of copy pairs, since the subsystem type that the copy pairs are using is different.	Select another group, or create a new group.
KAIC10167-W	The group *group-name* (Host: *host-name* HORCM: *instance-number*) cannot register this combination of copy pairs, since the fence level that the copy pairs are using is different.	Select another group, or create a new group.
KAIC10168-W	The group *group-name* (Host: *host-name* HORCM: *instance-number*) cannot register this combination of copy pairs, since the different combination of P-VOL and S-VOL subsystem are existed in this group.	Only one combination of P-VOL and S-VOL storage subsystem copy pair can be specified in one group. Select another group, or create a new group.
KAIC10170-E	Select the storage to be deleted.	Select the storage to be deleted.
KAIC10171-E	Select the storage to be moved.	Select the storage to be moved.
KAIC10172-E	Select the storage for which you want to modify security.	Select the storage for which you want to modify the security.
KAIC10173-E	Select multiple storage for which you want to create a LUSE.	Select multiple storage to create a LUSE.
KAIC10174-E	Select the storage for which you want to delete a LUSE.	Select the storage for which the LUSE will be deleted.
KAIC10175-E	Select the storage to be allocated.	Select the storage to be allocated.
KAIC10176-E	Select the storage to be unallocated.	Select the storage to be unallocated.
KAIC10177-E	Select the storage for which you want to create a copy pair.	Select the storage for which a copy pair will be created.

Message ID	Message Text	Description
KAIC10178-E	Select storage belonging to a single subsystem.	Select storage belonging to a single storage subsystem.
KAIC10179-E	The group name is not specified.	Enter a group name.
KAIC10180-E	The group name "*group-name*" is a reserved name.	Enter another group name.
KAIC10181-E	The host name is not specified.	Enter a host name.
KAIC10182-E	The specified World Wide Name is invalid.	Enter a valid World Wide Name.
KAIC10183-E	The World Wide Name must be unique.	Enter another World Wide Name.
KAIC10184-E	The IP address or host name is not specified.	Enter an IP address or host name.
KAIC10185-E	The user ID is not specified.	Enter a user ID.
KAIC10186-E	The SNMP community is not specified.	Enter a SNMP community.
KAIC10187-E	The password is invalid.	Re-enter a password.
KAIC10188-E	The format of the LDEV entry is invalid.	Enter the LDEV in the correct format.
KAIC10189-E	The format of the total capacity entry is invalid. Enter an integer value.	Revise and re-enter the total capacity. You can enter a value up to a maximum of 2 to the power of 31 minus 1.
KAIC10190-E	The number of storages is invalid. Enter an integer value.	Enter the number of storages.
KAIC10191-E	The find options are invalid.	Enter a valid find option.
KAIC10192-E	Enter LDEVs.	Enter the LDEVs.
KAIC10193-E	Enter the total capacity.	Enter the total capacity.
KAIC10194-E	Enter the number of storages.	Enter the number of storages.
KAIC10195-E	A device cannot be found with the selected LDEV number *LDEV-number*.	Specify another LDEV number.
KAIC10196-E	There are no or not enough LDEVs matching the search criteria.	Specify another find option.
KAIC10197-E	Select more than one PORT.	Select more than one PORT.
KAIC10198-E	Select more than one PORT-HOST:WWN/iSCSI Name.	Select more than one Port-Host:WWN/iSCSI Name.
KAIC10199-E	Select more than one LU.	Select more than one LU.
KAIC10201-E	Select more than one LU-PORT-HOST:WWN/iSCSI Name connection.	Select more than one LU-Port-Host:WWN/iSCSI Name connection.

Message ID	Message Text	Description
KAIC10204-E	An LDEV with a path specified cannot be specified for a LUSE.	Select unallocated LDEVs.
KAIC10206-E	If CVS LDEVs are in a LUSE, all LDEVs must be CVS.	Make all the LDEVs either CVS LDEVs or non-CVS LDEVs.
KAIC10207-E	All LDEVs in a LUSE must have the same CU.	Select LDEVs from the same CU.
KAIC10208-E	All LDEVs in a LUSE must have the same emulation type.	Select LDEVs having the same emulation type.
KAIC10209-E	All LDEVs in a LUSE must have the same RAID level.	Select LDEVs having the same RAID level.
KAIC10210-E	All CVS LDEVs in a LUSE must have the same size.	Select LDEVs having the same size.
KAIC10211-E	The sum total of the LU size must be less than 2 TB.	Make the sum total of the LU size less than 2 TB.
KAIC10212-E	The RAID0 LDEV cannot be specified in a LUSE.	Select LDEVs except RAID0 level LDEVs.
KAIC10213-E	All LUs must belong to the same default port controller in a LUSE.	Select LDEVs having the same port controller.
KAIC10214-E	Only a maximum of 36 LDEVs may be configured in a LUSE.	Select no more than 36 LDEVs.
KAIC10215-E	Storage cannot be added to the selected logical group.	Select another logical group.
KAIC10216-E	No subsystems are registered.	Add a storage subsystem.
KAIC10218-E	A WWN already assigned to the port is selected. Check the available HOST:WWN and PORT combinations.	Check the available combinations of HOST:WWN and PORT.
KAIC10219-E	Storage which is not a LUSE volume is selected.	Select a LUSE volume.
KAIC10220-E	Enter your user ID.	Enter your user ID.
KAIC10221-E	Enter your password.	Enter your password.
KAIC10222-E	The user ID or password is invalid.	Enter your user ID and password.
KAIC10224-E	An error occurred in Single Sign On Service.	For LDAP: 1. By using the host, port, and protocol set in `exauth.properties`, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the `hcmdsldapuser` command, check that the information for the server names specified in the

Message ID	Message Text	Description
		auth.server.name attribute in exauth.properties is registered. 3. If StartTLS is used, check the SSL settings. 4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. For RADIUS: 1. By using the host, port, and protocol set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the hcmdsradiussecret command, check that the information for the server names specified in the auth.server.name attribute in exauth.properties is registered. 3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. For Kerberos: 1. By using the host and port set in exauth.properties, check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. For not LDAP, not RADIUS and not Kerberos: Contact the Support Center.
KAIC10225-E	Your session is over. Log out, and then log in again.	Log in again.
KAIC10226-E	The temporary license has expired. Enter a product license key or a product license key file.	Purchase a license.

Message ID	Message Text	Description
KAIC10227-E	The emergency license has expired. Enter a product license key or a product license key file.	Purchase a license.
KAIC10228-E	Enter your license key.	Enter your license key.
KAIC10229-E	An attempt to get the license information has failed.	Please contact the Support Center.
KAIC10231-E	This license key is invalid or has already been registered.	Enter a valid license key.
KAIC10232-E	An attempt to log into Device Manager has failed. Enter the user ID and password.	Log in again.
KAIC10236-E	The host has no copy pair information.	Select a host that has one or more copy pairs.
KAIC10237-W	If this operation is performed during I/O processing on the primary volume, the data of the secondary volume may be corrupted. Make sure that no I/O processing is being performed on the primary volume before you proceed. Are you sure you want to continue?	Confirm that hosts are not issuing I/Os on any primary volume (P-VOL), and then continue the operation.
KAIC10238-W	An un-recommended value is specified for the copy pace. Make sure the value is correct. Are you sure you want to continue?	For AMS/WMS, Thunder 9500V or Thunder 9200, set the copy pace for ShadowImage, TrueCopy and QuickShadow / COW Snapshot to Faster 15.
KAIC10239-W	The data in the volume specified to be the secondary volume will be lost as a result of this operation. Please confirm.	Continuing this operation will delete the data of a volume specified to be a secondary volume. Back up the data if necessary, and then continue the operation.
KAIC10240-E	World Wide Name or iSCSI Name is not specified.	Enter a World Wide Name or iSCSI Name.
KAIC10241-E	The name of the storage subsystem is not specified.	Enter the name of the storage subsystem.
KAIC10242-E	Select more than one WWN or iSCSI Name or WWN group.	Select a WWN or iSCSI Name or a WWN group.
KAIC10243-E	The specified parent logical group is invalid.	For a parent logical group, do not specify a logical group that will be updated or a child logical group of a logical group that will be updated.
KAIC10244-E	The host name must be unique.	Enter another host name.
KAIC10245-E	World Wide Name(s) or iSCSI Name(s) *World-Wide-Name/iSCSI*	Enter another World Wide Name or iSCSI Name.

Message ID	Message Text	Description
	Name is/are already in use by host(s) *host-name*.	
KAIC10246-E	*host-name* HORCM *instance-number* cannot be specified, since it is not set to be managed.	Enter another instance number.
KAIC10247-E	The port number does not match the one already specified for *host-name* HORCM *instance-number*. The combination of the HORCM instance and the HORCM port number cannot be changed.	Select another combination, or create a new combination.
KAIC10248-E	This group name already exists in the host *host-name* HORCM *instance-number*.	Enter another group name.
KAIC10249-E	The port number *port-number* is already used in the host *host-name*.	Enter another port number.
KAIC10250-E	The same HORCM cannot be specified for both P-VOL and S-VOL.	Enter another HORCM.
KAIC10251-E	The same HORCM port cannot be specified for both P-VOL and S-VOL.	Enter another HORCM port.
KAIC10252-E	The LU *DevNum* cannot be deleted, because it is set as a command device.	Cancel the setup of the command device.
KAIC10253-E	The LU *DevNum* cannot be deleted, because it is set as a copy pair.	Delete a copy pair.
KAIC10254-E	The LU *DevNum* cannot be deleted from Device Manager.	Delete from the application attached to the storage subsystem.
KAIC10255-E	The LU *DevNum* cannot have a logical group moved.	When an expanded LU is made by Disk Array Management Program 2 with multiple LUs that have been allocated for an LUN, or when LUNs are assigned to LUs except for a MainLU after making the LU expansion, the LUNs except for the LUNs allocated to the MainLU are also displayed by Device Manager. In this case Device Manager cannot operate this type of LU.
KAIC10256-E	The storage of another storage subsystem is assigned to the group *group-name*.	Select another logical group.

Message ID	Message Text	Description
KAIC10257-E	You cannot assign the same security for all the LDEVs that you selected.	Secure the security individually.
KAIC10258-E	The LU *DevNum* cannot be secured with Device Manager.	Secure the LUN from the application attached to the storage subsystem.
KAIC10260-E	A request cannot be received. Close the dialog box, and retry the operation. If the problem re-occurs, log in again and retry the operation.	Close the dialog and try the operation again.
KAIC10263-E	Use numeric characters for the HORCM instance number.	Enter a valid instance number.
KAIC10264-E	Use numeric characters for the port number	Enter a valid port number.
KAIC10265-E	Only alphanumeric characters and symbols can be used in copy pair names and copy group names. Also, '-' cannot be used at the beginning of a name.	Enter a valid pair name.
KAIC10266-W	Because LUNs are already assigned to the following combinations of LDEVs and Ports, this operation does NOT assign LUNs to them and does NOT register them to the storage group. Are you sure you want to continue?	Enter a valid character string.
KAIC10267-E	The selected WWN Group is not registered in the selected port. Check the available combinations of HOST:WWN and PORT.	Check the available combinations of HOST:WWN and PORT, and use an available combination.
KAIC10268-E	The selected LU is already allocated to the selected port. Check the available combinations of LU and Port-Host WWN.	Check the available combinations of LU and Port-Host WWN, and use an available combination.
KAIC10269-E	The selected LU is already allocated to the selected Port/ HSD(iSCSI Target). Check the available combinations of LU and Port-Host WWN/iSCSI Name.	Check the available combinations of LU and Port-Host WWN/iSCSI, and use an available combination.
KAIC10270-W	As a result of this operation, data on these volumes will be lost. Are you sure you want to continue?	Check the contents of the warning and check whether there is an error in the operation.
KAIC10271-W	Confirm that no host and External port is performing I/O processing on any of the LUNs with the PORTs. If I/O processing is being performed, the processing might	Check the contents of the warning and check whether there is an error in the operation.

Message ID	Message Text	Description
	terminate abnormally. Are you sure you want to continue?	
KAIC10272-W	Confirm that no host and External port is performing I/O processing on any of the LUNs with the HSD/ iSCSI Target. If I/O processing is being performed, the processing might terminate abnormally. Are you sure you want to continue?	Check the contents of the warning and check whether there is an error in the operation.
KAIC10273-W	Confirm that no host and External port is performing I/O processing on any of the LUNs. If I/O processing is being performed, the processing might terminate abnormally. Are you sure you want to continue?	Check the contents of the warning and check whether there is an error in the operation.
KAIC10274-W	This operation will change the port's LUN security, which may prevent other hosts and External ports from accessing LUNs with the following ports. Are you sure you want to continue?	Check the contents of the warning and check whether there is an error in the operation.
KAIC10275-W	Deleting copy pair volumes or command devices may disable later modification of the copy pair volume settings. Are you sure you want to continue?	Check the contents of the warning and check whether there is an error in the operation.
KAIC10276-E	The host *host-name* is not a host that can operate copy pairs.	Check the following items: 1. The version of the RAID Manager installed on the host. 2. The version of the host agent installed on the host. 3. A command device is accessible by the host.
KAIC10277-E	A selected LDEV does not satisfy requirements for the copy pair. Possible reasons for this error are as follows: 1. A requirement for making a copy pair was not satisfied. 2. An LDEV that meets the requirements for making a copy pair has not been selected. See "*Requirements for copy pairs*", and make sure that the copy pair satisfies the necessary requirements for making a copy pair.	Select an LDEV that meets the requirements and execute the process again.
KAIC10278-E	Specify a group name.	Enter valid characters.

Message ID	Message Text	Description
KAIC10279-E	Specify the *P-VOL or S-VOL Item Name*.	Use numeric characters.
KAIC10281-E	*Name* can only contain numeric characters.	Use numeric characters.
KAIC10282-E	Specify the *name* using a number between *number* and *number*.	Enter another number.
KAIC10284-E	A device already allocated to all ports is included.	Select a device that can be allocated.
KAIC10285-E	A WWN group and WWN registered to a WWN group cannot be selected.	Select a WWN that is not registered to the selected WWN group.
KAIC10286-E	The selected WWN is registered to the WWN group in the selected port. Check the available combinations of HOST:WWN and PORT.	Check the available combinations of HOST:WWN and PORT, and use an available combination.
KAIC10287-W	The LDEV cannot be specified because an invalid LDEV is selected or multiple LDEVs are selected. The initial window of Dynamic Link Manager is displayed.	Re-select the LDEV, or select an LDEV in Dynamic Link Manager.
KAIC10288-E	Add a subsystem.	Add a storage subsystem before displaying the report window.
KAIC10289-E	Check the contents of the warning.	Check the contents of the warning, and then select the check box.
KAIC10290-E	A resource group is registered in the specified logical group.	Create a new logical group, and then add a path in the logical group.
KAIC10291-E	The operation cannot be continued because no host is registered.	Register a host.
KAIC10292-E	An attempt to perform authentication has failed.	Contact the system administrator.
KAIC10293-E	An attempt to start has failed.	Confirm that you are using a JRE version that is supported for use with Web Client. If the error occurs again, contact the system administrator.
KAIC10294-E	No path is selected.	Select a path.
KAIC10295-E	An LDEV in pool cannot be used for storage allocation.	Select a device that can be allocated.
KAIC10296-E	The LDEV device specified by the LDEV number *LDEV-number* is part of a pool.	Specify the LDEV number of an allocatable device.

Message ID	Message Text	Description
KAIC10298-E	A communication error has occurred. Open the Tasks menu, and confirm that the operation has finished.	Open the Tasks menu to check if the operation has finished. If this error occurs frequently, contact the system administrator.
KAIC10299-E	An illegal transition was done by user operation.	Retry the operation.
KAIC10300-E	The session is over. Log out, and then log in again.	Log out, and then log in again.
KAIC10301-E	The session is invalid. Log out, and then log in again.	Log out, and then log in again.
KAIC10302-E	All the paths that you have specified already exist. Specify other LDEVs and ports.	Specify other LDEVs and ports.
KAIC10303-E	In QuickShadow / COW Snapshot, a Restore operation cannot be performed in a batch for multiple copy pairs with the same P-VOL.	Select one copy pair from the copy pairs with the same P-VOL to perform the restore operation.
KAIC10304-E	Select the alert to be deleted.	Select the alert to be deleted.
KAIC10305-E	No logical groups are registered. Add a logical group, and then execute the operation.	Add a logical group before executing the operation.
KAIC10306-W	The storage subsystem "*subsystem-name*" has two controllers, but only one IP Address was specified. We recommend that you specify another IP Address by modifying the properties in the Subsystem Management window.	Specify another IP Address by modifying the properties in the Storage Subsystem Management window.
KAIC10307-E	Enter the appropriate characters as follows: *string*. The maximum text length is *number* characters.	Check valid characters and text length.
KAIC10309-W	Update the current Javascript to the latest version.	Install Internet Explorer 6.0 or later version, or you can download the latest JScript from the site below and install it. http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=c717d943-7e4b-4622-86eb-95a22b832caa
KAIC10310-E	Select one or more World Wide Names.	Specify the World Wide Names to delete.
KAIC10311-E	The selected storage is deleted.	Select another storage.
KAIC10312-E	The group name "LUN SCAN" is reserved. Change the group name to execute this operation.	Change the group name using "Modify Properties".

Message ID	Message Text	Description
KAIC10313-E	A LUSE cannot be created by mixing an internal volume with an assigned volume of *pp-name*.	Select internal volumes only, or assigned volumes only.
KAIC10314-E	All LDEVs in a LUSE must be the same IO Suppression mode.	Select LDEVs with the same IO Suppression mode.
KAIC10315-E	All LDEVs in a LUSE must be the same Cache mode.	Select LDEVs with the same Cache mode.
KAIC10316-W	A host that corresponds to the External port of a subsystem cannot be removed.	A host that corresponds to the External port of a storage subsystem cannot be removed from the system.
KAIC10317-W	An assigned volume of *pp-name* may be invalid. Are you sure you want to continue?	A volume assigned by Universal Volume Manager may be invalid. Check the changes.
KAIC10318-W	An attempt was made to create a LUSE with multiple external subsystems or an unknown external subsystem. (LDEV = *LDEV-number*)	A LUSE with multiple external subsystems is not recommended. Select LDEVs with the same external subsystem.
KAIC10319-E	Provisioning Manager failed to invoke Device Manager. (info: *info*)	Contact the support center.
KAIC10320-E	Provisioning Manager sent an invalid request. (info: *info*)	Contact the support center.
KAIC10321-E	The license key file that was entered is invalid.	Enter the correct license key file, and then retry.
KAIC10322-E	Enter your license key file.	Enter your license key file.
KAIC10323-E	Failed to delete the file.	No action is required.
KAIC10324-E	One or more application files are corrupt.	Contact the support center.
KAIC10325-E	The license key file exceeds the maximum size.	Contact the Support Center.
KAIC10326-E	This license key file is invalid or has already been registered.	Enter the correct license key file, and then retry.
KAIC10327-E	All the LU types in a LUSE must be the same.	Make sure that all the LDEV types are the same.
KAIC10328-W	Confirm that all hosts have been added into the host view before running a LUN Scan. After LUN Scan, Device Manager creates new hosts that have WWNs/iSCSI Names associated with the LUNs and have not been added into the Host View. You will need to clean up these hosts after the attributes of them are updated when the Device Manager Agent reports	Check all hosts in host view.

Message ID	Message Text	Description
	information about them. Are you sure you want to continue?	
KAIC10329-E	Device Manager Web Client internal error has occurred.	Please contact the Support Center.
KAIC10331-E	The formats specified for LDEV attribute condition values do not match.	Specify the same format for LDEV attribute condition values.
KAIC10332-E	For >=, specify a value that is less than or equal to the value specified for <=.	For >=, specify a value that is less than or equal to the value specified for <=.
KAIC10333-W	If a storage resource is associated with a different storage resource, a partitioned storage administrator will not be able to manage the storage resource.	Your setting might prevent a partitioned storage administrator from managing the storage resource. Make sure that this setting is appropriate.
KAIC10334-W	If volumes from different cache resources are used to create a LUSE volume, the effectiveness of the cache partition might be reduced.	Your setting might reduce the effectiveness of the cache partition. Make sure that this setting is appropriate.
KAIC10335-W	A LUSE volume that consists of volumes in different cache resources has been selected. This might reduce the effectiveness of the cache partition.	Your setting might reduce the effectiveness of the cache partition. Make sure that this setting is appropriate.
KAIC10336-E	Device Manager has failed to open the Web browser. Make sure that the Web browser is running normally. Make sure that the link to the Web browser is set up correctly.	Make sure that the link to the Web browser is set up correctly.
KAIC10337-E	Device Manager has failed to open the Web browser. Make sure that the Web browser is running normally. Make sure that the path to Internet Explorer is set up correctly.	Make sure that the path to Internet Explorer is set up correctly.
KAIC10338-W	An operation was performed while the subsystem was being updated. The displayed information might not be the latest information.	If a subsystem operation is executed during update processing, the operation might fail. After the update processing finishes, retry the operation.
KAIC10339-E	The subsystem is being updated. After this update processing finishes, retry the operation.	After the update processing finishes, retry the operation.
KAIC10340-E	An attempt to execute license management has failed.	Memory for executing license management may be insufficient

Message ID	Message Text	Description
		on the system running Device Manager. Please confirm whether the memory is insufficient on the system. If this problem persists, contact customer support.
KAIC10341-E	All the LU CLPRs in a LUSE must be the same.	Make sure that all the LDEV CLPRs are the same.
KAIC10342-E	An LDEV in a DM-LU cannot be used for storage allocation.	Select a device that can be allocated.
KAIC10343-E	The LDEV device specified by the LDEV number *LDEV-number* is part of a DM-LU.	Specify the LDEV number of an allocatable device.
KAIC10344-E	Only a maximum of 128 LDEVs may be configured in a LUSE.	Select no more than 128 LDEVs.
KAIC10361-E	Enter the host storage domain name.	Enter the host storage domain name.
KAIC10362-E	The specified host storage domain name "*host-storage-domain-name*" is not available. This host storage domain name is already used by another host storage domain on the same port.	Change the name of the host storage domain to one that does not exist.
KAIC10363-E	The operation is not possible because the Host Storage Domain Info panel is open or in the process of closing. Close the Host Storage Domain Info panel. After the screen has been refreshed, retry the operation.	Close the Host Storage Domain Info panel. After the screen has been refreshed, retry the operation.
KAIC10364-E	Link and launch for Storage Navigator Modular is required for this operation. Please manually install and configure it according to the instructions in the manual.	To use PhysicalView, a setting for linking with Storage Navigator Modular is necessary. Confirm that the corresponding storage subsystem is correctly registered in Storage Navigator Modular.
KAIC10365-E	If V-VOL LDEVs are in a LUSE, all LDEVs must be V-VOL.	Make all the LDEVs either V-VOL LDEVs or non-V-VOL LDEVs.
KAIC10366-E	Authentication was refused when logging into the common component. Log out, and then log in again.	Log out, and then log in again.
KAIC10367-E	Device Manager Web Client internal error has occurred.	Contact the Support Center.
KAIC10368-E	The license that corresponds to the subsystem has not been registered.	Register the license in the Version Information of Device Manager panel.

Message ID	Message Text	Description
KAIC10369-W	Data on the array group *array-group-number*, which is the target of this operation, will be lost. Make sure that the data is not necessary.	Data on the array group that is the target of this operation will be lost. Check the data and, if necessary, take a backup, and then continue the operation.
KAIC10370-W	If the settings for this port are changed, the storage might become inaccessible to the hosts and external ports that are currently accessing the storage.	Thoroughly check the settings.
KAIC10371-W	The system will now be rebooted to apply the settings. I/O requests cannot be received during the reboot. If the system is being used as an external subsystem, make sure that you execute the Disconnect Subsystem operation on Storage Navigator.	The system will now be rebooted to apply the settings. I/O requests cannot be received during the reboot. If the system is being used as an external subsystem, make sure that you execute the Disconnect Subsystem operation on Storage Navigator.
KAIC10372-W	Make sure that I/O processing is not being performed from hosts or external ports that are using the port targeted for this operation. Performing this operation while I/O processing is being performed might damage the file system. Also, as a result of this operation, only the hosts and external ports that are set in the host storage domain *name-of-the-host-storage-domain-ID0* will be able to gain access.	Make sure that I/O processing is not being performed from hosts or external ports.
KAIC10373-I	Register the license key.	Register the license key.
KAIC10374-I	License registration has finished.	No action is required.
KAIC10375-I	The temporary license will expire in *n* days on *date*.	Register the license before the expiration date.
KAIC10376-I	The emergency license will expire in *n* days on *date*.	Register the license before the expiration date.
KAIC10377-E	An attempt to log into Device Manager has failed. For the user, allocate a resource group, and assign a Device Manager permission other than Peer or assign a user management permission. Then log in again.	For the user, allocate a resource group, and assign a Device Manager permission other than Peer or assign a user management permission. Then log in again.
KAIC10379-E	All LDEVs in a LUSE must have the same stripe size.	Make sure all the LDEVs have the same stripe size.
KAIC10380-E	A JavaScript-enabled browser is required.	A JavaScript-enabled browser is required.
KAIC10381-E	The temporary license has expired.	Purchase a license.

Message ID	Message Text	Description
KAIC10382-E	The emergency license has expired.	Purchase a license.
KAIC10383-E	The combination of filter conditions is invalid.	If you filter using AND, you can specify no more than 2 LDEV attribute conditions. Each condition must have a different operator. You cannot specify multiple non-LDEV attributes.
KAIC10385-E	Duplicate resource group names are not allowed.	Make sure that the resource group name is not a duplicate, and then retry.
KAIC10386-E	The resource group was not found in the Device Manager database.	Make sure that the resource group name exists in the Device Manager database, and then retry.
KAIC10387-E	The specified resource group cannot be added under this API version.	Device Manager Web Client internal error has occurred.
KAIC10388-E	The specified user cannot be added under this API version.	Device Manager Web Client internal error has occurred.
KAIC10389-E	The specified logical group is already being used by another resource group.	Specify another logical group, and then retry.
KAIC10390-E	The specified resource group is already associated with another logical group.	Remove the old association, and then retry.
KAIC10391-E	A user is already registered in the specified resource group.	Remove the old association, and then retry.
KAIC10392-E	A resource group is registered under the specified logical group.	Remove all resource groups under the specified logical group, and then retry.
KAIC10393-E	A resource group is registered in the specified logical group.	Create a new logical group, and then add a path in the logical group.
KAIC10394-E	The logon user cannot modify own resource group and user role.	Check the logon user authorization, and then retry.
KAIC10395-E	The resource group name is invalid. Use name less than 25 bytes.	The resource group name is invalid. Use name less than 25 bytes.
KAIC10396-E	The built-in resource group cannot be deleted.	Check the resource group.
KAIC10397-E	The own resource group cannot be deleted.	Check the resource group.
KAIC10398-E	The built-in resource group cannot be modified.	Check the resource group.
KAIC10399-E	The own resource group cannot be modified.	Check the resource group.

Message ID	Message Text	Description
KAIC10400-E	The specified group name is reserved. It cannot be used.	Check the resource group.
KAIC10401-E	The logon user who does not belong to any resource groups cannot use the function of the Device Manager.	Try again with the user who can use the function of the Device Manager.
KAIC10402-E	An inconsistency with the common user information about resource group was detected.	The Common Component may not contain the most current resource group information. Restart the Device Manager Server.
KAIC10403-E	The specified resource group is not registered in the common user information.	Check the resource group.
KAIC10404-E	The specified resource group has already been registered in the common user information.	Check the resource group.
KAIC10405-E	Missing parameter: Resource Group *name*.	The Resource Group "name" is required. Provide the missing parameter, and then retry. If this problem persists, contact the Support Center.
KAIC10406-E	The resource group was not found in the Device Manager database.	Check the resource group.
KAIC10407-E	The "group name" is invalid. Specify within 25 characters. Only alphanumeric characters and '-', '=', '\', '`', ',', '.', '_' are permitted.	Check the group name.
KAIC10408-E	The license key that should be entered does not exist in the license key file. The entered license key file is for another product. Please verify the license key file.	Enter the correct license key file, and then retry.
KAIC10410-E	The operation is not possible because the Select WWN/iSCSI Name panel is open or in the process of closing. Close the Select WWN/iSCSI Name panel and, after the window has been refreshed, retry the operation.	After the window has been refreshed, retry the operation.
KAIC10411-E	An LDEV selection is invalid. The LDEV (LDEV number *dev-number*) is reserved as an OnDemand LDEV.	Select a valid LDEV.
KAIC10412-E	An LDEV selection is invalid. The LDEV (LDEV number *ldev-number*) is reserved as a Migration LDEV.	Select a valid LDEV.

Message ID	Message Text	Description
KAIC10413-E	An LDEV reserved as an OnDemand LDEV cannot be used for storage allocation.	Select a valid LDEV.
KAIC10414-E	An LDEV reserved as a Migration LDEV cannot be used for storage allocation.	Select a valid LDEV.
KAIC10415-E	An LDEV reserved as an OnDemand LDEV cannot be specified for a LUSE.	Select a valid LDEV.
KAIC10416-E	This host name is already used by a mainframe host.	Please select an unused host name. Use the CLI to check which mainframe host names are being used. For details about how to do this, see the CLI manual.
KAIC10417-E	Not all of the selected LDEV paths belong to the same logical group. Select LDEV paths that belong to the same logical group.	Clear the selection or use the Move Storage function for the necessary LDEV paths, so that all selected LDEV paths belong to the same logical group, and then retry the operation.
KAIC10418-E	Some of the selected LDEV paths do not belong to a logical group. Select LDEV paths that belong to the same logical group.	Clear the selection or use the Move Storage function for the necessary LDEV paths, so that all selected LDEV paths belong to the same logical group, and then retry the operation.
KAIC10419-E	*number-of-selected-LDEV-paths* LDEV paths are selected. A maximum of *maximum-number-of-selectable-LDEV-paths* LDEV paths can be selected for the Add Like Storage function.	Select a number of LDEV paths that does not exceed the maximum number of selectable LDEV paths, and then retry the operation.
KAIC10420-E	*number-of-selected-hosts* hosts are selected. A maximum of *maximum-number-of-hosts*> hosts can be removed.	Select a number of hosts that does not exceed the maximum number of hosts that can be removed, and then retry the operation.
KAIC10421-W	The temporary license will expire in *n* days on *date*. Enter a product license key or a product license key file.	Register the license before the expiration date.
KAIC10422-W	The emergency license will expire in *n* days on *date*. Enter a product license key or a product license key file.	Register the license before the expiration date.
KAIC10423-W	The copy pair cannot be created because the copy status of multiple copy pairs that use the same P-VOL cannot be specified as "Pair" in this subsystem.	When creating a copy pair, return to the Choose Pair(s) window, and then change the copy pair settings so that the same P-VOL is not

Message ID	Message Text	Description
		used, or change the copy status of the existing copy pair to "Split" or "Simplex".
KAIC10424-E	"Restore" or "Resync" cannot be specified for an operation on multiple copy pairs, because the copy status of multiple copy pairs that use the same P-VOL cannot be specified as "Pair" in the subsystem *subsystem-name*.	If changing the copy status for multiple copy pairs that use the same P-VOL, use only one copy pair for which "Restore" or "Resync" is specified.
KAIC10425-W	The value of the table.ldev.rowsperpage property could not be acquired because an attempt to read the client.properties file failed. In this case, the default values (25, 300) will be used for the number of rows displayed for a sortable table.	Confirm the following to make sure the application program can read the `client.properties` file: • The `client.properties` file exists. • You have permission to read the `client.properties` file. • The `client.properties` file is not corrupted. For details on the `table.ldev.rowsperpage` property in the `client.properties` file, see the *Configuration and Operation Guide*.
KAIC10426-W	The value (*set-value*) specified for the table.ldev.rowsperpage property in the client.properties file is invalid. In this case, the default values (25, 300) will be used for the number of rows displayed for a sortable table.	Specify a valid value for the `table.ldev.rowsperpage` property in the `client.properties` file. For details on this property, see the *Configuration and Operation Guide*.
KAIC10427-I	A value (*set-value*) has been specified for table.ldev.rowsperpage property in the client.properties file. *set-value* rows will be displayed for a sortable table.	No action is required.
KAIC10428-W	The table.ldev.rowsperpage property has not been specified in the client.properties file. In this case, the default values (25, 300) will be used for the number of rows displayed for a sortable table.	Specify a valid value for the `table.ldev.rowsperpage` property in the `client.properties` file. For details on this property, see the *Configuration and Operation Guide*.
KAIC10430-E	The user ID or the password is incorrect.	Make sure that the user ID and the password exist.
KAIC10439-E	This license key is either invalid or may be for another product.	Enter a valid license key.

Message ID	Message Text	Description
KAIC10440-E	The last path of an LU of the copy pair volume cannot be released.	Cancel a copy pair volume and delete a path. For V-VOL, delete the path from Physical View.
KAIC10441-W	The format of the entered capacity is invalid.	Enter the capacity in the correct format.
KAIC10442-W	The length of the value specified for the capacity is invalid. Specify a character string from 1 to 9 characters.	Enter the capacity in the correct format.
KAIC10446-E	The operation is not possible because the Select Journal Group panel is open or in the process of closing. Close the Select Journal Group panel. After the screen has been refreshed, retry the operation.	Close the Select Journal Group panel. After the screen refreshes, retry the operation.
KAIC10447-E	The LUN IDs available after the specified first LUN ID are insufficient. Change the first LUN ID to a smaller number, and try again. (Port (HSD) = *Port-(HSD)-name*)	The LUN IDs available after the specified first LUN ID are insufficient. Change the first LUN ID to a smaller number, and try again.
KAIC10448-E	The LDEV (number *LDEV-number*) has the *VolumeAttr* attribute.	Please select a valid LDEV.
KAIC10449-E	A path cannot be set for an LDEV that has the *VolumeAttr* attribute.	Select a device that can be assigned.
KAIC10450-W	The search condition specified in [Find Storage] might not execute correctly because the specified number of LDEVs exceeds the maximum (*Number of LDEVs*) that can be processed at one time. Using [Enter LDEVs] or [Browse LDEVs], please select a lower number of storage subsystems for the operation.	Please select the storage subsystems by using **Enter LDEVs** or **Browse LDEVs**.
KAIC10451-E	The number of specified LDEV(s) exceeds the maximum (*maximum-number-of LDEVs*) that can be specified at once. Divide the operation into two or more operations so that the specified number of LDEVs for each operation does not exceed the above maximum.	If you need to specify a number of LDEVs that exceeds the maximum for a single operation, divide the operation into several operations.
KAIC10452-W	The maximum number of search data items that can be displayed has been reached (2048). If required data is not displayed, please divide the operation into several smaller operations.	If required data is not displayed, please divide the operation into several smaller operations.

Message ID	Message Text	Description
KAIC10453-E	The storage subsystem information might not be up-to-date. Refresh the storage subsystem information, and then re-execute the operation. (subsystem: *subsystem-name*)	Refresh the storage subsystem, and then try again. If you do not refresh the storage subsystem, you might not be able to operate storage subsystems.
KAIC10454-E	The storage subsystem information might not be up-to-date. Restart the Device Manager server, and then re-execute the operation.	Restart the Device Manager server, and then try again. If you do not restart the Device Manager server, the contents displayed in sortable tables might become incorrect.
KAIC10455-E	The format of the entered Consumed Capacity is invalid.	Enter the Consumed Capacity in the correct format.
KAIC10456-E	The length of the value specified for the Consumed Capacity is invalid. Specify a character string from 1 to 9 characters.	Enter the Consumed Capacity in the correct format.
KAIC10457-W	The specified operation cannot be performed because the storage subsystem is not supported by Device Manager.	Unsupported storage subsystems can only be deleted. Other operations are not supported.
KAIC10460-E	The execution for start command of *command-name* failed.	Start the Device Manager Server.
KAIC10461-E	The execution for stop command of *command-name* failed.	Stop the Device Manager Server.
KAIC10462-W	The number of LDEVs exceeds the maximum (*Number of LDEVs*) that can be processed at one time. Please change and rerun a search option, or using [Enter LDEVs] or [Browse LDEVs] and choose storage to operate other LDEV(s).	Please change and rerun a search option, or using **Enter LDEVs** or **Browse LDEVs** and choose storage to operate other LDEV(s).
KAIC10463-E	The operation is not possible because the iSCSI Target Info panel is open or in the process of closing. Close the iSCSI Target Info panel. After the screen has been refreshed, retry the operation.	Close the iSCSI Target Info panel. After the screen has been refreshed, retry the operation.
KAIC10465-E	The length of the value specified for the array group is invalid. Specify a character string from 1 to 20 characters.	Enter the array group in the correct format.
KAIC10466-I	Core License registration has finished.	No action is required.
KAIC10467-E	Enter the iSCSI Target.	Enter the iSCSI Target.
KAIC10468-E	The specified iSCSI Target "*iSCSI-Target*" is not available. This iSCSI	Change the name of the iSCSI Target to one that does not exist.

Message ID	Message Text	Description
	Target is already used by another iSCSI Target on the same port.	
KAIC10469-E	Select one or more iSCSI Names.	Specify the iSCSI Names to delete.
KAIC10470-E	The specified iSCSI Name is invalid.	Enter a valid iSCSI Name.
KAIC10471-E	The iSCSI Name must be unique.	Enter another iSCSI Name.
KAIC10472-E	License registration of Web Client has finished, but there is a possibility that licensing info acquisition handling of Device Manager Server failed.	Log in again. If this problem persists, contact customer support.
KAIC10473-E	There is a possibility that licensing info acquisition handling of Device Manager Server failed.	Log in again. If this problem persists, contact customer support.
KAIC10474-E	An error was encountered during task execution. Please see error code and message below for details. Click the Back button to modify task parameters, if needed, and re-submit the task for execution.	Please see error code and message below for details. Click the Back button to modify task parameters, if needed, and re-submit the task for execution.
KAIC10475-W	A LUN exists whose security does not match the security of the host storage domain/iSCSI target.	Contact the Support Center.
KAIC10476-E	Different type of A WWN/iSCSI Name and port are selected. Check the available HOST:WWN/iSCSI Name and PORT combinations.	Make sure that the combination of WWN (or iSCSI name) and port is valid.
KAIC10477-E	Paths that have different port types are selected. Select paths that have the same port type.	Select paths that have the same port type.
KAIC10478-W	A path cannot be added because the type of an entered WWN or iSCSI Name is different from the type of a WWN or iSCSI Name already set for the host. To add a path to a WWN or iSCSI name, use the Add Storage function.	To add a path to a WWN or iSCSI name, use the Add Storage function.
KAIC10479-E	An internal error occurred.	Collect maintenance information, and then contact customer support.
KAIC10480-E	An error occurred in the Storage Navigator Modular 2. (error code = "*error code*")	Collect maintenance information, and then contact customer support.
KAIC10481-E	No usable pools are registered.	Register a pool.
KAIC10482-E	The length of the value specified for the host is invalid. Specify a	Enter the host in the correct format.

Message ID	Message Text	Description
	character string by using to 50 characters.	
KAIC10483-E	The format of the host entry is invalid.	Enter the host in the correct format.
KAIC10484-E	The format of the array group entry is invalid.	Enter the array group in the correct format.
KAIC10485-E	No mapping path is selected.	Select at least one mapping path.
KAIC10486-E	No LDEV number is entered. Enter the *LDEV number*.	Enter the LDEV number.
KAIC10487-E	The format of the entered LDEV number is invalid. Enter either "Auto" or an LDEV number.	Enter the LDEV number in the correct format.
KAIC10488-E	No array group is entered. Enter the array group.	Enter the array group.
KAIC10489-E	The format of the entered array group is invalid. Enter either "Auto" or a value from 1 to 16384.	Enter the array group in the correct format.
KAIC10490-E	Enter the CLPR number.	Enter the CLPR number.
KAIC10491-E	The format of the entered CLPR number is invalid. Enter a numeric value from 0 to 2147483647.	Enter the CLPR number in the correct format.
KAIC10494-E	Duplicate LDEV numbers exist. Please specify a unique LDEV number.	Specify a unique LDEV number.
KAIC10495-E	The number of specified LDEVs exceeds 100, the maximum number that can be specified at once. If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times, specifying a valid number of LDEVs each time.	If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times, specifying a valid number of LDEVs each time.
KAIC10496-E	The number of items selected for the mapping path has exceeded the maximum number of selectable items. You can specify a maximum of 8 items.	Change the number of items selected for the mapping path to 8 or fewer.
KAIC10497-W	You can combine from 1 to 8 external array nodes and ports. Click the appropriate LDEV number, and then change the number of combinations.	Click the appropriate LDEV number, and then change the number of combinations.
KAIC10498-E	External storage settings cannot be specified for this storage subsystem. (microcode version = *version-number*)	Select a storage subsystem for which the settings can be specified.

Message ID	Message Text	Description
KAIC10500-E	An attempt to connect to the database has failed. Make sure the database has been started.	If the database has not been started, re-start it, and then try again. If the database has been started, there might be an internal error. Please contact the Support Center.
KAIC10501-E	An attempt to acquire data from the database has failed. Make sure the database has been started. SQL statement: *SQL statement*	If the database has not been started, re-start it, and then try again. If the database has been started, there might be an internal error. Please contact the Support Center.
KAIC10502-E	The file could not be opened. Make sure the file/directory access permissions and path name are correct, and that there is enough free space in the filesystem. File name: *file name*	Make sure the file/directory access permissions and path name are correct, and that there is enough free space in the filesystem. If there is not enough free space in the file system, delete any unnecessary files, and then try again.
KAIC10503-E	An attempt to write the file has failed. Make sure the file/directory access permissions are correct, and that there is enough free space in the filesystem. File name:*file name*	Make sure the file/directory access permissions are correct to enable the user executing the operation to write the file, and then try again. If there is not enough free space in the file system, delete any unnecessary files, and then try again.
KAIC10504-E	An attempt to read the file has failed. Make sure the file/directory access permissions are correct, and that there is enough free space in the filesystem. File name: *file name*	Make sure the file/directory access permissions are correct to enable the user executing the operation to read the file, and then try again.
KAIC10505-E	An attempt to delete the file has failed. Make sure the file/directory access permissions are correct. File name: *file name*	Make sure the file/directory access permissions are correct to enable the user executing the operation to delete the file, and then try again.
KAIC10506-E	The size of the detailed array report is more than 2 gigabytes. Reduce the number of selected storage subsystems, and then try again.	Reduce the number of selected storage subsystems, and then try again.
KAIC10507-E	An attempt to perform a cancellation has failed. The status of the detailed array report has already changed to "error" or	Cancellation can only be performed when the status is "processing". If the status is any other status, cancellation cannot

Message ID	Message Text	Description
	"incomplete", or else the detailed array report has already been deleted.	be performed. Close the window, by clicking the close button.
KAIC10508-W	Another request to create a detailed array report is currently being executed. Please wait for a while.	Wait until the status of the detailed array report being processed changes to another status, and then try again.
KAIC10509-W	There are too many LDEVs, so it might not be possible to display reports. If they cannot be displayed, use the detailed array report.	Sometimes HTML output cannot be performed if there are too many LDEVs. From the report list, use the detailed array report.
KAIC10510-W	After downloading the detailed array report, delete it from the server.	The detailed array report is retained on the server even after it is downloaded. We recommend deleting it from the server as soon as possible.
KAIC10511-E	The status of the detailed array report is "incomplete". File name: *file name*	There is a possibility of an internal error. Please contact the Support Center.
KAIC10512-E	The detailed array report was deleted. File name: *file name*	If you need a detailed array report, try the operation again.
KAIC10513-E	An internal error occurred.	Click the [**Refresh Tree**] button, and then display the navigation area again.
KAIC10514-E	An attempt to acquire the Storage Navigator Modular tree information has failed.	Collect maintenance information, and then contact customer support.
KAIC10515-E	There are no available LDEVs.	Provide LDEVs which can be registered to the pool.
KAIC10516-E	The specified pool cannot be deleted because a virtual volume is assigned to it.	Delete any virtual volumes assigned to the specified pool.
KAIC10517-E	A virtual volume cannot be deleted because a path is set to a *PP-name* virtual volume (LDEV number = *LDEV-number*).	Check the virtual volume, and then retry the operation.
KAIC10520-E	A license for *PP-name* is not registered in the storage subsystem.	Install the license for *PP name* into the storage subsystem.
KAIC10521-E	There are no available pool IDs.	Delete any unnecessary pools, and then retry the operation.
KAIC10522-E	An attempt was made to delete *number-of-pools-selected* pools. A maximum of *set-maximum* pools can be deleted in one operation. If you want to delete more than the	If you want to delete more than the maximum number of pools, execute multiple operations.

Message ID	Message Text	Description
	maximum number of pools, execute multiple operations.	
KAIC10525-E	An attempt was made to delete *number-of-virtual-volumes-selected PP-name* virtual volumes. A maximum of *set-maximum* virtual volumes can be deleted in one operation. If you want to delete more than the maximum number of virtual volumes, execute multiple operations	If you want to delete more than the maximum number of virtual volumes, execute multiple operations.
KAIC10526-E	An operation is not possible because the editing window is open or in the process of closing. Close the editing window, wait for the window to be refreshed, and then retry the operation.	Close the editing window, wait for the main window to be refreshed, and then retry the operation.
KAIC10527-E	Multiple virtual volumes are specified. Specify only one virtual volume.	Specify only one virtual volume.
KAIC10528-E	All LDEVs registered to a pool must have the same CLPR.	Revise the LDEV specification, and then retry the operation.
KAIC10551-E	The subsystem managed by the partitioned storage administrator cannot execute the operation.	Revise the subsystem settings.
KAIC10560-E	Two or more LDEVs are selected. Please select only one LDEV.	More than two LDEVs are selected. Please select only single LDEV.
KAIC10561-E	Select an LDEV for which you want to create a LUSE.	Select single LDEV for which you want to create a LUSE.
KAIC10562-E	The total LU size must be less than 60 TB.	Specify less than 60 TB for the total LU size.
KAIC10563-E	A command device LDEV cannot be specified for a LUSE.	Select an LDEV that is not a command device.
KAIC10564-E	An LDEV whose access attribute is guarded cannot be specified for a LUSE.	Select an LDEV whose access attribute is not guarded.
KAIC10565-E	An LDEV used as a Pool Volume cannot be specified for a LUSE.	Select an LDEV that is not a pool volume.
KAIC10566-E	An LDEV used as a Journal Volume cannot be specified for a LUSE.	Select an LDEV that is not a journal volume.
KAIC10567-E	An LDEV used as a *PP name* virtual volume cannot be specified for a LUSE.	Select an LDEV that is not a virtual volume.
KAIC10568-E	An LDEV used as a Pair Volume cannot be specified for a LUSE.	Select an LDEV that is not a pair volume.

Message ID	Message Text	Description
KAIC10569-E	An LDEV assigned to a host storage domain whose host mode is "VMware" cannot be specified for a LUSE.	Select an LDEV that is assigned to a host storage domain whose host mode is not "VMware".
KAIC10570-E	An LDEV assigned to a host storage domain whose host mode is "Windows" cannot be specified for a LUSE.	Select an LDEV that is assigned to a host storage domain whose host mode is not "Windows".
KAIC10571-E	There are no LDEVs that can be used to make a LUSE.	Please select an LDEV that can be used to make a LUSE.
KAIC10572-E	Not all of the selected LDEV paths belong to the same storage subsystem. Select LDEV paths that belong to the same storage subsystem.	Select LDEV paths that belong to the same storage subsystem.
KAIC10573-W	As a result of this operation, data on volumes that do not have paths specified (volumes marked with "*" in the Object List) will be lost. Are you sure you want to continue?	Check the contents of the warning and check whether there is an error in the operation.
KAIC10574-E	Some of the selected LDEV paths are allocated to the same ports, HSD/iSCSI targets, or hosts. Check the ports, HSD/iSCSI targets, and hosts of these paths.	Check the ports, HSD/iSCSI targets, and hosts of these paths.
KAIC10575-E	The microcode version of this storage subsystem does not support LUSE operations on LDEVs that have paths specified.	Check the version of the software contained in the storage subsystem.
KAIC10576-E	Some of the selected LDEV paths are allocated to the same ports, WWN, or hosts. Check the ports, WWN, and hosts of these paths.	Check the ports, WWN, and hosts of these paths.
KAIC10577-W	Before performing this operation, check the settings of the host and host storage domain of the target path. The host might not recognize the expansion of the volume by this operation.	To perform this operation, check the restriction of the host OS and host storage domain of the target path. For details, see the LUN Expansion manual that corresponds to your storage subsystem.
KAIC10601-E	The number of specified LDEVs exceeds (*maximum-number-of-LDEVs*), the maximum number that can be specified at once. If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times,	If you want to perform an operation using more than the maximum number of LDEVs, perform the operation a number of times, specifying a valid number of LDEVs each time.

Message ID	Message Text	Description
	specifying a valid number of LDEVs each time.	
KAIC10602-E	Use any of the following characters for a label: *string*	Enter only valid characters.
KAIC10603-E	Use no more than *number* characters for a label.	Enter no more than the allowed maximum number of characters.
KAIC10604-E	A filter condition that is not compatible with LDEVs has been restored. Change "Not applicable" displayed in the list box to a valid value.	Select a correct value from the list box.
KAIC10607-W	Are you sure you want to add the label to the selected volume(s)?	Before continuing, make sure that you want to add the label to the selected volume(s).
KAIC10608-W	Are you sure you want to modify the labels for the selected volume(s)?	Before continuing, make sure that you want to modify the labels for the selected volume(s).
KAIC10609-W	Are you sure you want to delete the labels from the selected volume(s)?	Before continuing, make sure that you want to delete the labels from the selected volume(s).
KAIC10610-E	A selected LDEV was not found. Close this dialog box, and then retry the operation.	Close this dialog box, and then retry the operation.
KAIC10611-E	Tiered Storage Manager failed to invoke Device Manager. (info: *info*)	Contact the support center.
KAIC10612-E	Tiered Storage Manager sent an invalid request. (info: *info*)	Contact the support center.
KAIC10613-E	Device Manager failed to invoke Tiered Storage Manager. (info: *info*)	Contact the support center.
KAIC10614-E	The length of the value specified for the label is invalid. Specify a character string by using to 64 characters.	Enter the label in the correct format.
KAIC10615-E	The length of the value specified for the HSD/iSCSI Target is invalid. Specify a character string by using to 32 characters.	Enter the HSD/iSCSI Target in the correct format.
KAIC10616-W	The storage subsystem configuration information might have been updated. Refresh the storage subsystem.	Refresh the storage subsystem. If you do not refresh the storage subsystem, you might not be able to perform some operations on it.
KAIC10617-W	The storage subsystem configuration information might not be up-to-date. Check the status of the storage subsystem information.	Check the status of the storage subsystem.

Message ID	Message Text	Description
KAIC10618-E	Device Manager access to DB is blocked. Problem is detected in *Database name*. Call server administrator.	Call server administrator.
KAIC10619-E	Available storage systems do not exist.	Retry this action after adding a storage system available for Host Scan.
KAIC10620-E	Software registration managed by the SMI-S provider might be invalid.	Revise the CIM_RemoteServiceAccessPoint class on the SMI-S provider, refresh the storage subsystem, and then retry the operation.
KAIC10621-E	The port number has not been specified.	Specify a valid port number.
KAIC10622-E	The password has not been specified.	Specify a valid password.
KAIC10626-E	This wizard, which is used for adding storage from a selected subsystem, is currently in use by another user. Wait for the user to finish, or for the user to cancel the processing.	Wait for the user to finish, or for the user to cancel the processing.
KAIC10627-E	All LDEVs registered in a pool must be of the same type.	Revise the LDEV specification, and then retry the operation.
KAIC10628-E	The port number is invalid. Specify a number from 1 to 65,535.	Specify a number from 1 to 65,535.
KAIC10629-E	All LDEVs registered in a pool must be of the same volume class (internal or external).	Revise the LDEV specification, and then retry the operation.
KAIC10630-E	An attempt to acquire the storage subsystem information has failed.	Click the [**Refresh Tree**] button, and then display the screen again. If this problem persists, contact customer support.
KAIC10631-E	The HSD/iSCSI target might have been deleted from the selected host/port. Choose a valid WWN/ iSCSI name for the host/port.	Choose a valid WWN/iSCSI name for the host/port.
KAIC10633-E	The license that corresponds to the subsystem has not been registered.	Register the license in the dialog box for Device Manager License Information.
KAIC10634-E	The valid Full License is not registered in Device Manager.	Register the valid Full License in Device Manager.
KAIC10635-E	An invalid URL was detected. Confirm that the URL is correct.	Confirm that the URL is correct.
KAIC10637-E	{*number-of-hosts-selected*} hosts are selected. A maximum of	Select no more than *set-maximum* hosts.

Message ID	Message Text	Description
	{*specified-maximum*} hosts can be selected.	
KAIC10639-E	{*number of WWNs/iSCSI names selected*} WWNs/iSCSI names are selected. A maximum of {*specified-maximum*} WWNs/iSCSI names can be selected.	Select no more than *specified-maximum* WWNs/iSCSI names.
KAIC10640-E	There are no hosts available to be merged.	Register the hosts that you want to merge, and then retry the operation.
KAIC10641-W	The client.ldev.rowsperpage.retain.enabled property has not been specified in the client.properties file. The default value (true) will be used.	Specify a valid value for the `client.ldev.rowsperpage.retain.enabled` property in the `client.properties` file. For details on this property, see the "*Configuration and Operation Guide*".
KAIC10642-W	The value (*specified-value*) specified for the client.ldev.rowsperpage.retain.enabled property in the client.properties file is invalid. The default value (true) will be used.	Specify a valid value for the `client.ldev.rowsperpage.retain.enabled` property in the `client.properties` file. For details on this property, see the "*Configuration and Operation Guide*".
KAIC10643-I	The value (*specified-value*) has been specified for the *property-key* property in the client.properties file.	No action is required.
KAIC10647-I	The capacity is currently within the licensed limit.	No action is required.
KAIC10650-W	The capacity has exceeded the licensed limit.	No action is required.
KAIC10651-E	An attempt to read properties in the *property-file* file has failed. The default value (*default-value*) for *property-key* will be used.	Confirm the following to make sure the application program can read the file: • The file exists. • You have permission to read the file. • The file is not corrupted.
KAIC10652-W	An attempt to read properties in the *property-file* file has failed. The default value (*default-value*) for *property-key* will be used.	Confirm the following to make sure the application program can read the file: • The file exists. • You have permission to read the file. • The file is not corrupted.

Message ID	Message Text	Description
KAIC10657-E	A parameter for connecting to the specified storage subsystem (the IP address or the communication protocol) has been changed in Storage Navigator Modular 2. From Storage Navigator Modular 2, note the IP address and communication protocol, and then add the storage subsystem.	From Storage Navigator Modular 2, note the IP address and communication protocol of the specified storage subsystem. After that, from the [**Add Subsystem**] dialog box in Device Manager, specify the same IP address and communication protocol, and then add the subsystem.
KAIC10659-W	One or more host mode options supported by the storage subsystem could not be acquired.	Refresh the storage subsystem.
KAIC10660-W	An operation was performed while the host was being updated. The displayed information might not be the latest.	An operation might fail if it is executed on a host that is being updated. Wait until the update has finished, and then retry the operation.
KAIC10661-E	The host information might not be the latest. Check the status of the host.	Refresh the host, and then try again. If you do not refresh the host, you might not be able to execute operations on the host.
KAIC10662-E	An error occurred during a task. For details, see the error code and message below. Close the window, and then retry the operation.	For details, see the error code and message below. Close the window, and then retry the operation.
KAIC10663-E	The virtualization server or the virtualization-server management program could not be detected. The wrong IP address or protocol might have been specified, or the virtualization server or the virtualization-server management program might not be in a normal state.	Depending on the cause, take either or both of the following actions: • Revise the IP address or protocol specification. • Correct the state of the virtualization server or the virtualization-server management program.
KAIC10664-E	The format of the IP address is invalid. Enter an IP address in one of the following formats: - xxx.xxx.xxx.xxx (where xxx is a decimal integer from 0 to 255) - yyyy:yyyy:yyyy:yyyy:yyyy:yyyy:yyyy:yyyy:yyyy (where yyyy is a hexadecimal integer from 0 to ffff).	Enter an IP address in one of the following formats: - *xxx*.*xxx*.*xxx*.*xxx* (where *xxx* is a decimal integer from 0 to 255) - *yyyy*:*yyyy*:*yyyy*:*yyyy*:*yyyy*:*yyyy*:*yyyy*:*yyyy* (where *yyyy* is a hexadecimal integer from 0 to ffff).
KAIC10665-E	The total LU size must be less than 128 TB.	Specify less than 128 TB for the total LU size.
KAIC10666-W	Some virtual machine names could not be displayed because information on some virtual machines could not be acquired.	Some virtual machine names could not be displayed because information on some virtual machines could not be acquired.

Message ID	Message Text	Description
	Check the status of the virtual machines.	Check the status of the virtual machines.
KAIC10667-E	An error occurred in the processing of the Storage Navigator Modular 2 session. (Process status code from *Process status code0* to *Process status code1*.)	Retry the operation. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.
KAIC10668-E	The pool (pool ID: *pool number*) might not be in the Normal status. Threshold1 can be modified only when the pool is in the Normal status. Refresh the storage subsystem information, and then check the status of the pool.	Refresh the storage subsystem information, and then check the status of the pool.
KAIC10670-W	For a virtualization server, iSCSI is not supported. iSCSI names of source hosts will be discarded.	Check the target host and the source hosts.
KAIC10671-E	iSCSI is not supported on virtualization servers. You cannot merge hosts because at least one of the selected source hosts does not have a WWN.	Verify the target and source hosts.
KAIC11999-E	Memory might be insufficient or a network error might have occurred. (details:*info*)	If the detailed information or log contains the character string "Out Of Memory", memory is insufficient. If this is the case, set the memory heap size for HBase Storage Mgmt Web Service. If the detailed information or log contains the character string "Connection", a network error might have occurred. If this is the case, check the network status. If this message appeared when the GUI is displayed, close the window and display the GUI again. If the problem is not one of the problems detailed above, contact the Support Center.
KAIC15000-E	Unexpected error. Contact the Support Center. (maintenance information=*exception*)	*Cause* - *Action* Contact the Support Center. (maintenance information=*exception*)
KAIC15001-E	Unexpected error. An internal error might have occurred. Contact the Support Center.	*Cause* An internal error might have occurred. *Action*

Message ID	Message Text	Description
		Contact the Support Center.
KAIC15002-E	Appropriate volumes do not exist. The number of volumes that satisfy the conditions is *the-number-of-the-volumes*. Revise the conditions, or register LDEV IDs to the resource group.	*Cause* The number of volumes that satisfy the conditions is *the-number-of-the-volumes*. *Action* Revise the conditions, or register LDEV IDs to the resource group.
KAIC15005-E	Unable to obtain database information. The database is not running properly. Restart the database. (maintenance information=*exception*)	*Cause* The database is not running properly. *Action* Restart the database. (maintenance information=*exception*)
KAIC15006-W	Unable to save setup conditions. Contact the Support Center. (Maintenance information=*exception*)	*Cause* - *Action* Contact the Support Center. (Maintenance information=*exception*)
KAIC15007-W	No paths can be recommended for the storage system "*storage-system-name*". Failed to find an appropriate storage port for allocating storage resources. In the Edit LUN Paths window, use the LUN Path option to specify ports manually. Verify that storage ports are set to Target and that LUN security is enabled. Alternatively, register ports, host group numbers, and iSCSI target numbers to the resource group.	*Cause* Failed to find an appropriate storage port for allocating storage resources. *Action* In the Edit LUN Paths window, use the LUN Path option to specify ports manually. Verify that storage ports are set to Target and that LUN security is enabled. Alternatively, register ports, host group numbers, and iSCSI target numbers to the resource group.
KAIC15008-W	Unable to recommend a path for host "*host-name*". An appropriate host port for allocation cannot be found. Manually specify ports, refresh the host, or add WWNs to the host.	*Cause* An appropriate host port for allocation cannot be found. *Action* Manually specify ports, refresh the host, or add WWNs to the host.
KAIC15009-W	A pool or parity group cannot be recommended. Unable to find a pool or parity group for the volumes. Select manually or modify your conditions.	*Cause* Unable to find a pool or parity group for the volumes. *Action* Select manually or modify your conditions.

Message ID	Message Text	Description
KAIC15010-E	Unable to find the specified storage system. The specified storage system might be deleted. Cancel the operation and verify the resources.	*Cause* The specified storage system might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15011-E	Unable to find the specified host. The specified host might be deleted. Cancel the operation and verify the resources.	*Cause* The specified host might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15012-E	Unable to find the specified port. The specified port might be deleted. Cancel the operation and verify the resources.	*Cause* The specified port might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15013-E	A host group with the same WWN is already reserved in the port "*post-display-name*". Select a different port or WWN.	*Cause* - *Action* Select a different port or WWN.
KAIC15014-E	The selected volumes "*DevNums-which-concat-by-",""* cannot be used for this operation. Select different volumes.	*Cause* - *Action* Select different volumes.
KAIC15015-E	The specified host group name "*host-group-name*" cannot be used because it is already reserved. Specify a different host group name.	*Cause* - *Action* Specify a different host group name.
KAIC15016-E	The specified host group name "*host-group-name*" is reserved by another port. Specify a different host group name.	*Cause* - *Action* Specify a different host group name.
KAIC15017-E	Unable to find the specified volume. The specified volume might be deleted. Cancel the operation and verify the resources.	*Cause* The specified volume might be deleted. *Action* Cancel the operation and verify the resources.

Message ID	Message Text	Description
KAIC15018-E	Unable to find the specified parity group. The specified parity group was not found. Cancel the operation and verify the resources.	*Cause* The specified parity group was not found. *Action* Cancel the operation and verify the resources.
KAIC15019-E	Unable to find the specified pool. The specified pool might be deleted. Cancel the operation and verify the resources.	*Cause* The specified pool might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15020-E	Unable to find the task. The task might be deleted. Cancel and retry.	*Cause* The task might be deleted. *Action* Cancel and retry.
KAIC15021-E	Unable to find the plan for the task "*task-name*". The plan might be deleted. Cancel and retry.	*Cause* The plan might be deleted. *Action* Cancel and retry.
KAIC15022-W	A pool cannot be recommended. Unable to find a pool for the volumes. Select manually or modify your conditions.	*Cause* Unable to find a pool for the volumes. *Action* Select manually or modify your conditions.
KAIC15023-W	A parity group cannot be recommended. Unable to find a parity group for the volumes. Select manually or modify your conditions.	*Cause* Unable to find a parity group for the volumes. *Action* Select manually or modify your conditions.
KAIC15024-E	Unable to confirm license. Unable to confirm license because the storage system "*storage-system-name*" is being updated. After the storage system is updated, try again.	*Cause* Unable to confirm license because the storage system "*storage-system-name*" is being updated. *Action* After the storage system is updated, try again.
KAIC15025-E	Unable to obtain license information for the storage system "*storage-system-name*". Refresh the storage system. If this problem	*Cause* - *Action*

Message ID	Message Text	Description
	continues, contact the Support Center.	Refresh the storage system. If this problem continues, contact the Support Center.
KAIC15026-E	The required "*pp-name*" license is not registered in the storage system "*storage-system-name*". Install a "*pp-name*" license for the storage system "*storage-system-name*".	*Cause* - *Action* Install a "*pp-name*" license for the storage system "*storage-system-name*".
KAIC15027-E	This operation is not supported. The storage system "*storage-system-name*" microcode version does not support this operation. Update the microcode version to the latest version.	*Cause* The storage system "*storage-system-name*" microcode version does not support this operation. *Action* Update the microcode version to the latest version.
KAIC15028-E	This operation is not supported. The storage system "*storage-system-name*" firmware version does not support this operation. Update the firmware version to the latest version.	*Cause* The storage system "*storage-system-name*" firmware version does not support this operation. *Action* Update the firmware version to the latest version.
KAIC15029-E	This operation is not supported. This user does not have permissions on the target storage system.	*Cause* This user does not have permissions on the target storage system. *Action* -
KAIC15030-E	Unable to find the specified PDEV. The PDEV might be deleted. Cancel the operation and verify the resources.	*Cause* The PDEV might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15031-E	Registered license key is expired. (*pp-name*) Specify a valid license key.	*Cause* - *Action* Specify a valid license key.
KAIC15032-I	Register valid license keys or license key files. (*pp-name*)	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC15033-E	The following selected volumes are reserved: *devnum*. Select other volumes.	*Cause* - *Action* Select other volumes.
KAIC15034-E	The following selected parity groups are reserved: *parity-group-names*. Select other parity groups, or cancel the operation and wait until other tasks finish or are canceled.	*Cause* - *Action* Select other parity groups, or cancel the operation and wait until other tasks finish or are canceled.
KAIC15035-E	Cannot obtain license information. If this problem continues, contact the Support Center.	*Cause* - *Action* If this problem continues, contact the Support Center.
KAIC15036-E	The license key is not valid or is already registered. Specify a valid license key.	*Cause* - *Action* Specify a valid license key.
KAIC15037-E	The license key is not valid or is for a product or is not postulate version that is not installed. Specify a valid license key or verify the postulate version.	*Cause* - *Action* Specify a valid license key or verify the postulate version.
KAIC15038-E	The license key file is not valid. Specify a valid license key file.	*Cause* - *Action* Specify a valid license key file.
KAIC15039-E	The license key file does not contain a valid key. The license key file might be for another product or is not postulate version. Specify a valid license key file or verify the postulate version.	*Cause* - *Action* Specify a valid license key file or verify the postulate version.
KAIC15040-E	The license key file exceeds the allowed size. Contact the Support Center.	*Cause* - *Action* Contact the Support Center.
KAIC15041-I	Register valid license keys or license key files.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC15042-I	License registration for *pp-name* is completed. No action is required.	*Cause* - *Action* No action is required.
KAIC15043-I	License registration for *pp-name* is completed. The emergency license expires in *day* days on *date*. Register a license before the expiration date.	*Cause* - *Action* Register a license before the expiration date.
KAIC15044-I	License registration for *pp-name* is completed. The temporary license expires in *day* days on *date*. Register a license before the expiration date.	*Cause* - *Action* Register a license before the expiration date.
KAIC15045-I	License registration for *pp-name* is completed. The subscription license expires in *day* days on *date*. Register a license before the expiration date.	*Cause* - *Action* Register a license before the expiration date.
KAIC15046-I	Core license registration for *pp-name* is completed. No action is required.	*Cause* - *Action* No action is required.
KAIC15047-W	The emergency license expires in *day* days on *date*. You must register a product license key or license key file. Register a license before the expiration date.	*Cause* - *Action* Register a license before the expiration date.
KAIC15048-W	The temporary license expires in *day* days on *date*. You must register a product license key or license key file. Register a license before the expiration date.	*Cause* - *Action* Register a license before the expiration date.
KAIC15049-W	The subscription license expires in *day* days on *date*. You must register a product license key or license key file. Register a license before the expiration date.	*Cause* - *Action* Register a license before the expiration date.
KAIC15050-E	The system environment is not valid. Contact the Support Center.	*Cause* Virtual memory might be insufficient. *Action*

Message ID	Message Text	Description
		Make sure that virtual memory requirements are met. If this problem persists, contact customer support.
KAIC15051-E	The server is not running. Verify the server status. (maintenance info: *maintenance info*)	*Cause* - *Action* Verify the server status.
KAIC15052-E	The license file cannot be verified. Verify whether the license is valid.	*Cause* - *Action* Verify whether the license is valid.
KAIC15053-E	You cannot select another storage system. Select parity groups from the same storage system.	*Cause* - *Action* Select parity groups from the same storage system.
KAIC15054-W	The request was performed on a storage system being refreshed with current information. The displayed information might not be up to date.	*Cause* - *Action* Wait until the storage system is refreshed completely, and retry the operation.
KAIC15055-E	The storage system information may not be up-to-date. Refresh the storage system, and then try the operation again.	*Cause* - *Action* Refresh the storage system and retry the operation.
KAIC15056-W	The storage system information may not be up-to-date. Refresh the storage system.	*Cause* - *Action* Refresh the storage system and retry the operation.
KAIC15057-W	The host "*host-name*" on which you attempted to perform an operation is being refreshed. The displayed information may not be up-to-date.	*Cause* - *Action* Wait until the host is refreshed completely, and retry the operation.
KAIC15058-E	The host "*host-name*" information may not be up-to-date. Refresh the host.	*Cause* - *Action*

Message ID	Message Text	Description
		Refresh the host and retry the operation.
KAIC15059-W	The storage system information may not be up-to-date. Refresh the storage system. (Storage system: *storage-system-names*)	*Cause* - *Action* Refresh the storage system.
KAIC15060-E	Unable to find the specified WWN. The specified WWN might be deleted. Cancel the operation and verify the resources.	*Cause* The specified WWN might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15061-E	A permanent license is not registered. Register a permanent license, and then try again.	*Cause* - *Action* Register a permanent license, and then try again.
KAIC15062-E	Cannot register license. Wait a few minutes, and then try again.	*Cause* - *Action* Wait a few minutes, and then try again.
KAIC15063-W	Cannot obtain version information. Contact the Support Center.	*Cause* - *Action* Contact the Support Center.
KAIC15064-E	These volumes cannot be specified: *ldev-id*. The volumes were not found. Revise the specification.	*Cause* The volumes were not found. *Action* Revise the specification.
KAIC15065-E	Unable to find the specified host group. The specified host group might be deleted. Cancel the operation and verify the resources.	*Cause* The specified host group might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15066-W	Update to version *version* or later.	*Cause* - *Action* -
KAIC15067-W	The *pp-name* license is for an earlier version. Update the version.	*Cause* -

Message ID	Message Text	Description
		Action Update the version.
KAIC15068-I	The logical group information is being updated. Wait a few minutes and display the screen again.	*Cause* - *Action* Wait a few minutes and display the screen again.
KAIC15069-E	The host name cannot be solved. Please specify Internet Protocol address. whether to confirm the DNS server etc.	*Cause* - *Action* Please specify Internet Protocol address. whether to confirm the DNS server etc.
KAIC15070-E	LUN security is not disabled in any storage ports with the FC port type in the storage system *storage-system*. Disable LUN security for the storage port, and then retry the operation.	*Cause* - *Action* Disable LUN security for the storage port, and then retry the operation.
KAIC15071-E	Tasks in *task-status* status cannot be stopped.	*Cause* - *Action* -
KAIC15072-E	Tasks of the "*task-type*" type cannot be stopped.	*Cause* - *Action* -
KAIC15073-E	The task cannot be stopped.	*Cause* - *Action* -
KAIC15074-E	The task could not be stopped. (*task-name*) Tasks in the *task-status* status cannot be stopped.	*Cause* Tasks in the *task-status* status cannot be stopped. *Action* -
KAIC15075-E	The task cannot be stopped. (*task-name*)	*Cause* - *Action* -
KAIC15076-W	Performance utilization cannot be displayed. Possible reasons	*Cause*

Message ID	Message Text	Description
	include: (1) Monitoring has not been executed for this HDT pool. (2) Information collection for the performance utilization failed. If monitoring has not been executed for this HDT pool, execute it and refresh the storage system. If monitoring has been executed, refresh the storage system.	Possible reasons include: (1) Monitoring has not been executed for this HDT pool. (2) Information collection for the performance utilization failed. *Action* If monitoring has not been executed for this HDT pool, execute it and refresh the storage system. If monitoring has been executed, refresh the storage system.
KAIC15080-W	Storage system performance information may not be current. Refresh the storage system and try again.	*Cause* - *Action* Refresh the storage system and try again.
KAIC15081-E	The logical group information is being updated. Verify whether the server started. If it has not started, start it. If the server is running, an internal error may have occurred. If the server is running, contact Support.	*Cause* - *Action* Verify whether the server started. If it has not started, start it. If the server is running, an internal error may have occurred. If the server is running, contact Support.
KAIC15082-W	A pool cannot be recommended. Unable to find a pool for the volumes. Modify your conditions.	*Cause* Unable to find a pool for the volumes. *Action* Modify your conditions.
KAIC15083-W	A parity group cannot be recommended. Unable to find a parity group for the volumes. Modify your conditions.	*Cause* Unable to find a parity group for the volumes. *Action* Modify your conditions.
KAIC15084-W	A pool or parity group cannot be recommended. Unable to find a pool or parity group for the volumes. Modify the conditions.	*Cause* Unable to find a pool or parity group for the volumes. *Action* Modify the conditions.
KAIC15085-E	The specified iSCSI target (*iscsi-target*) cannot be used because it is reserved by another port. Specify a different iSCSI target.	*Cause* - *Action* Specify a different iSCSI target.

Message ID	Message Text	Description
KAIC15086-E	The specified iSCSI target "*iscsi-target*" cannot be used because it is assigned to another port. Specify a different iSCSI target.	*Cause* - *Action* Specify a different iSCSI target.
KAIC15087-E	Unable to find the iSCSI target. The specified iSCSI target may have been deleted. Cancel the operation and verify the resources.	*Cause* The specified iSCSI target may have been deleted. *Action* Cancel the operation and verify the resources.
KAIC15088-W	Unable to recommend a path for host "*host-name*". An appropriate host port for allocation cannot be found. Manually specify a host port. Refresh the host, or add an iSCSI name to the host.	*Cause* An appropriate host port for allocation cannot be found. *Action* Manually specify a host port. Refresh the host, or add an iSCSI name to the host.
KAIC15089-W	The value of the property *property-name*in the file *property-file-name*is invalid. Processing will continue without using *property-name*. (value = *property value*) Detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC15090-W	Loading of a property file failed. Processing will continue without using the property file. (property file = *file-path-of-property-file*, maintenance information = *maintenance-information*) Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC15091-I	A property file was not found. Processing will continue without using the property file. (property file = *path-of-property-file-name*)	*Cause* - *Action* -
KAIC15092-I	A property file was loaded. (property file = *property-file-name*)	*Cause* - *Action* -
KAIC15093-E	Unable to find the specified iSCSI name. The specified iSCSI name	*Cause*

Message ID	Message Text	Description
	might be deleted. Cancel the operation and verify the resources.	The specified iSCSI name might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15094-E	Unable to communicate with the Device Manager server. Possible causes: (1) A Device Manager server service is being initialized. (2) A Device Manager server service is stopped or was restarted. If a Device Manager server service is being initialized, wait and retry. If a Device Manager server service is stopped or was restarted, restart the Common Component and all related services, and retry. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* If a Device Manager server service is being initialized, wait and retry. If a Device Manager server service is stopped or was restarted, restart the Common Component and all related services, and retry. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC15095-E	The server or cluster was not found. All file servers associated with the server or cluster might have been deleted. Refresh the list of servers and clusters, and check whether the target server or cluster exists.	*Cause* All file servers associated with the server or cluster might have been deleted. *Action* Refresh the list of servers and clusters, and check whether the target server or cluster exists.
KAIC15096-E	The selected shares or exports "*share-export-name*" are reserved. Select other shares or exports, or cancel the operation and wait until other tasks finish or are canceled, and then try again.	*Cause* - *Action* Select other shares or exports, or cancel the operation and wait until other tasks finish or are canceled, and then try again.
KAIC15097-E	The selected shares or exports were not found. The selected shares or exports might have been deleted. Cancel the operation, refresh the list of shares or exports, and check whether the target shares or exports exist.	*Cause* The selected shares or exports might have been deleted. *Action* Cancel the operation, refresh the list of shares or exports, and check whether the target shares or exports exist.
KAIC15098-E	The selected file system (*file-system-names*) is already reserved. Either select another file	*Cause* -

Message ID	Message Text	Description
	system, or temporarily stop the operation, cancel or wait for any registered tasks to finish, and then retry the operation.	*Action* Either select another file system, or temporarily stop the operation, cancel or wait for any registered tasks to finish, and then retry the operation.
KAIC15099-E	The operation cannot be performed because an attempt to link with *product-name* failed. (cause = *cause*) Make sure that *product-name* is running correctly. Restart the Device Manager server, restart *product-name*, and then log in again.	*Cause* - *Action* Make sure that *product-name* is running correctly. Restart the Device Manager server, restart *product-name*, and then log in again.
KAIC15100-E	A pool cannot be created by using volumes in different storage systems. Select volumes from the same storage system.	*Cause* - *Action* Select volumes from the same storage system.
KAIC15101-E	A pool cannot be created by using volumes that belong to the storage system "*storage-system-name*". Select volumes from another storage system.	*Cause* - *Action* Select volumes from another storage system.
KAIC15102-E	Task registration failed. (task name=*task-name*)	*Cause* - *Action* -
KAIC15103-E	Operations cannot be performed for the specified volumes "*ldev-id*" because they are in different host groups "*host-group-name*". Specify only the volume that belongs to the same host group.	*Cause* - *Action* Specify only the volume that belongs to the same host group.
KAIC15104-E	Paths are not assigned to the selected volumes. Hosts are not assigned to the host groups (*host-group-name*) that the volumes belong to. Select volumes allocated to hosts.	*Cause* - *Action* Select volumes allocated to hosts.
KAIC15105-W	LUN security is enabled for this port when the operation is performed. Hosts using this port will be disconnected and cannot be used until they are reconfigured.	*Cause* - *Action* -
KAIC15106-W	The WWNs "*wwn*", which belong to an unknown host, are allocated to	*Cause* -

Message ID	Message Text	Description
	the host group. Changing the allocation of volumes will affect these WWNs.	*Action* -
KAIC15107-I	When a host port is added, other volumes that belong to the host group are visible from the host.	*Cause* - *Action* -
KAIC15108-E	You do not have permissions for this task. Log in with the appropriate permissions.	*Cause* - *Action* Log in with the appropriate permissions.
KAIC15110-E	Specify the volumes of the same storage system.	*Cause* - *Action* -
KAIC15113-E	*max-number-of-volumes* volumes or more cannot be specified at the same time. Decrease the volume operated at the same time.	*Cause* - *Action* Decrease the volume operated at the same time.
KAIC15114-E	The task cannot be registered. A task with this name already exists. Specify a unique task name.	*Cause* - *Action* Specify a unique task name.
KAIC15115-E	Include neither command device nor the remote command device (*ldev-id*) in specification. Specify only the command devices and remote command devices to operate them.	*Cause* - *Action* Specify only the command devices and remote command devices to operate them.
KAIC15122-E	Cannot assign the user to a resource group. (user ID=*user-id*) The logged-on user information or selected user information changed. Execute the operation as a different user, or grant the user the information.	*Cause* - *Action* The logged-on user information or selected user information changed. Execute the operation as a different user, or grant the user the information.
KAIC15123-E	A server API was not executed. Cancel the operation and verify the server status.	*Cause* - *Action*

Message ID	Message Text	Description
		Cancel the operation and verify the server status.
KAIC15125-E	Unable to access server service. Cancel the operation and verify the server status.	*Cause* - *Action* Cancel the operation and verify the server status.
KAIC15127-E	Cannot release the user from a resource group. (user ID=*user-ID*) The logged-on user information or selected user information changed. Execute the operation as a different user, or grant the user the information.	*Cause* - *Action* The logged-on user information or selected user information changed. Execute the operation as a different user, or grant the user the information.
KAIC15128-E	Unable to access an authentication service. Cancel the operation and verify the server status. (maintenance information=*exception*)	*Cause* - *Action* Cancel the operation and verify the server status. (maintenance information=*exception*)
KAIC15129-E	Unable to read the specified property. (property name=*property-name*) Contact the Support Center.	*Cause* - *Action* Contact the Support Center.
KAIC15130-E	Unable to read the specified table. (property name=*table-name*) Contact the Support Center.	*Cause* - *Action* Contact the Support Center.
KAIC15131-E	An error occurred while accessing the database. Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact the Support Center. (maintenance information=*exception*)	*Cause* - *Action* Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact the Support Center. (maintenance information=*exception*)
KAIC15132-E	User authentication failed. The specified user does not exist or the password is incorrect. (user ID=*user ID*) Verify the user name and password.	*Cause* The specified user does not exist or the password is incorrect. (user ID=*user-ID*) *Action*

Message ID	Message Text	Description
		Verify the user name and password.
KAIC15134-E	Unable to delete user settings. (user ID=*user-ID-set*) Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact the Support Center.	*Cause* - *Action* Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact the Support Center.
KAIC15141-E	User "*user-ID*" does not have *role* permissions. Execute the operation as a different user, or grant the user the appropriate permissions.	*Cause* - *Action* Execute the operation as a different user, or grant the user the appropriate permissions.
KAIC15144-E	Unable to obtain user information. (user ID=*user ID*) Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact the Support Center.	*Cause* - *Action* Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact the Support Center.
KAIC15149-E	Unable to find the resource group. The resource group might be deleted. Cancel the operation and verify the resource groups.	*Cause* The resource group might be deleted. *Action* Cancel the operation and verify the resource groups.
KAIC15150-E	A resource group with the specified name already exists. (group name=*group-name*) Specify a different resource group name.	*Cause* - *Action* Specify a different resource group name.
KAIC15151-E	Unable to find user information. (user ID =*user ID*)The user was deleted. Cancel the operation and verify the users.	*Cause* The user was deleted. *Action* Cancel the operation and verify the users.
KAIC15153-E	The OS of the selected hosts is not the same. When editing multiple hosts, select hosts that have the same OS.	*Cause* - *Action*

Message ID	Message Text	Description
		When editing multiple hosts, select hosts that have the same OS.
KAIC15154-E	The selected hosts do not have the same management type. When editing multiple hosts, select hosts that have the same management type.	*Cause* - *Action* When editing multiple hosts, select hosts that have the same management type.
KAIC15155-E	One or more of the selected hosts were deleted. Refresh the host list.	*Cause* - *Action* Refresh the host list.
KAIC15156-E	Unable to create a logical group. (parameters=*param*) Cancel the operation and verify the server status.	*Cause* - *Action* Cancel the operation and verify the server status.
KAIC15157-E	Unable to delete a logical group. (unique key=*logical-group-unique-key*) Cancel the operation and verify the logical groups.	*Cause* - *Action* Cancel the operation and verify the logical groups.
KAIC15158-E	Unable to find a logical group. (unique key=*logical-group-unique-key*) Cancel the operation and verify the logical groups.	*Cause* - *Action* Cancel the operation and verify the logical groups.
KAIC15159-E	No hosts satisfy the specified conditions. (condition=*searching-condition*) Verify whether the server is started(Maintenance information=*searching-condition*). If the server has not been started, re-start it, and then try again. If the server has been started, there might be an internal error. Please contact the Support Center.	*Cause* - *Action* Verify whether the server is started(Maintenance information=*searching-condition*). If the server has not been started, re-start it, and then try again. If the server has been started, there might be an internal error. Please contact the Support Center.
KAIC15160-E	Error while searching volumes by condition. (condition=*searching-condition*) Verify whether the server is started. If the server has not been started, re-start it, and then try again. If the server has been started, there might be an	*Cause* - *Action* Verify whether the server is started. If the server has not been started, re-start it, and then try

Message ID	Message Text	Description
	internal error. Please contact the Support Center.	again. If the server has been started, there might be an internal error. Please contact the Support Center.
KAIC15161-E	The specified logical group already exists. (group name=*group-name*) Specify a different logical group name.	*Cause* - *Action* Specify a different logical group name.
KAIC15162-E	Unable to modify a logical group. (parameters=*param*) Cancel the operation and verify the logical groups.	*Cause* - *Action* Cancel the operation and verify the logical groups.
KAIC15165-E	No appropriate target was found. Modify the conditions.	*Cause* - *Action* Modify the conditions.
KAIC15166-E	Unable to discover hosts. No hosts satisfy the conditions. Modify the conditions.	*Cause* No hosts satisfy the conditions. *Action* Modify the conditions.
KAIC15167-E	No more unused LUNs exist. The number of unused LUNs within the specified range in host group (*host-group-nickname*) of port (*port-display-name*) is *count-of-unused-luns-in-range*. Revise LU Number(hex) start from, or select a different port.	*Cause* The number of unused LUNs within the specified range in host group (*host-group-nickname*) of port (*port-display-name*) is *count-of-unused-luns-in-range*. *Action* Revise LU Number(hex) start from, or select a different port.
KAIC15168-E	*count-of-new-luns* LUNs are specified on the port "*port-display-name*". *count-of-exisiting-luns* LUNs are already specified on this port. *maximum-count-of-specifiable-luns* LUNs can be specified for a port. Select a different port.	*Cause* *count-of-exisiting-luns* LUNs are already specified on this port. *maximum-count-of-specifiable-luns* LUNs can be specified for a port. *Action* Select a different port.
KAIC15169-E	Unable to register license. (mode=*license-registration-or-file-registration*, maintenance information=*detail-information*) If this problem continues, contact the Support Center.	*Cause* - *Action* If this problem continues, contact the Support Center.

Message ID	Message Text	Description
KAIC15170-E	The tier name already exists. Specify a different tier name.	*Cause* - *Action* Specify a different tier name.
KAIC15171-E	User "*user-ID*" was not found.	*Cause* - *Action* -
KAIC15172-E	Cannot log on. Verify the user ID, password, privilege, and resource group settings.	*Cause* - *Action* Verify the user ID, password, privilege, and resource group settings.
KAIC15173-E	Unable to connect to the server. Wait a few minutes, and then try again. (maintenance information=*maintenance-information*)	*Cause* - *Action* -
KAIC15174-E	No storage system that can be used as an external storage system exists.	*Cause* - *Action* -
KAIC15175-E	The storage system "*storage-system-name*" cannot be used as an external storage system.	*Cause* - *Action* -
KAIC15176-E	No internal storage systems exists.	*Cause* - *Action* -
KAIC15177-E	No hosts exist from which volumes can be unallocated. Make sure that hosts and storage systems are registered and that volumes are allocated to hosts and that you have the required permissions for host groups.	*Cause* - *Action* Make sure that hosts and storage systems are registered and that volumes are allocated to hosts and that you have the required permissions for host groups.
KAIC15178-W	One or more of the selected hosts are not included in the list. These hosts do not have volumes that can be unallocated. (excluded hosts=*host-name*)	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC15179-E	Unable to unallocate volumes. The selected volume might have been unallocated or is being used by another task. Alternatively, you might not have permission for a host group or an iSCSI target. Close the dialog box, and then verify the volume status from the Resource window.	*Cause* The selected volume might have been unallocated or is being used by another task. Alternatively, you might not have permission for a host group or an iSCSI target. *Action* Close the dialog box, and then verify the volume status from the Resource window.
KAIC15180-W	One or more of the selected volumes are not included in the volume list. These volumes cannot be unallocated. (excluded volumes=*dev-num*)	*Cause* - *Action* -
KAIC15181-E	Unable to run Element Manager. The specified storage system does not exist in the database. Verify whether the storage system has been registered.	*Cause* The specified storage system does not exist in the database. *Action* Verify whether the storage system has been registered.
KAIC15182-E	Unable to run Element Manager. To run Element Manager, the user must be assigned to the All Resources group. Verify the user's resource group setting.	*Cause* To run Element Manager, the user must be assigned to the All Resources group. *Action* Verify the user's resource group setting.
KAIC15183-E	The pool name "*pool-name*" is already in use or scheduled for use in the storage system "*storage-system-name*". Specify a different pool name.	*Cause* - *Action* Specify a different pool name.
KAIC15184-E	A storage system where a pool can be created does not exist. Cancel the operation and contact your storage system administrator.	*Cause* - *Action* Cancel the operation and contact your storage system administrator.
KAIC15185-E	Unable to create pool. The storage system (*storage-system-name* does not contain a parity group for creating a pool. Cancel the operation and contact your storage system administrator.	*Cause* The storage system (*storage-system-name* does not contain a parity group for creating a pool. *Action*

Message ID	Message Text	Description
		Cancel the operation and contact your storage system administrator.
KAIC15186-E	Unable to create pool. A pool cannot be created by combining internal parity groups (*internal-array-group-names*) with external parity groups (*external-array-group-names*). Select only internal parity groups or only external parity groups.	*Cause* A pool cannot be created by combining internal parity groups (*internal-array-group-names*) with external parity groups (*external-array-group-names*). *Action* Select only internal parity groups or only external parity groups.
KAIC15187-E	Unable to create pool. A pool cannot be created by combining external parity groups with cache mode enabled and external parity groups with cache mode disabled. Select external parity groups that have the same cache mode settings.	*Cause* A pool cannot be created by combining external parity groups with cache mode enabled and external parity groups with cache mode disabled. *Action* Select external parity groups that have the same cache mode settings.
KAIC15188-E	Unable to create pool. A pool cannot contain parity groups with different drive types. Ensure that the drive type of all parity groups is the same.	*Cause* A pool cannot contain parity groups with different drive types. *Action* Ensure that the drive type of all parity groups is the same.
KAIC15189-E	Unable to create pool. The number of volumes to be registered in a pool (*the-number-of-volumes-that-register*) exceeds the number allowed (*the-maximum-number-of-pool-volumes-for-a-pool*). Specify a lower number of volumes to be registered in the pool.	*Cause* The number of volumes to be registered in a pool (*the-number-of-volumes-that-register*) exceeds the number allowed (*the-maximum-number-of-pool-volumes-for-a-pool*). *Action* Specify a lower number of volumes to be registered in the pool.
KAIC15190-E	Unable to create pool. The total pool capacity (*total-capacity-of-pool*) exceeds the number allowed for storage system (*maximum-total-capacity-of-pool-in-storage-system*). Specify a lower number of volumes to register in the pools.	*Cause* The total pool capacity (*total-capacity-of-pool*) exceeds the number allowed for storage system (*maximum-total-capacity-of-pool-in-storage-system*). *Action* Specify a lower number of volumes to register in the pools.

Message ID	Message Text	Description
KAIC15191-E	Unable to create pool. A pool cannot be created in the storage system "*storage-system-name*". Cancel the operation and specify a different storage system.	*Cause* A pool cannot be created in the storage system "*storage-system-name*". *Action* Cancel the operation and specify a different storage system.
KAIC15192-E	Unable to create pool. A pool cannot contain parity groups with different CLPRs. Ensure that the CLPR of all parity groups is the same.	*Cause* A pool cannot contain parity groups with different CLPRs. *Action* Ensure that the CLPR of all parity groups is the same.
KAIC15193-E	The volumes "*ldev-id*" cannot be used for a pool because they are part of a LUSE volume. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15194-E	The volumes "*ldev-id*" cannot be used for a pool because they are used by ShadowImage Software. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15195-E	The volumes "*ldev-id*" cannot be used for a pool because they are used by TrueCopy Software. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15196-E	The volumes "*ldev-id*" cannot be used for a pool because they are used by Universal Replicator Software. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15197-E	The volumes "*ldev-id*" cannot be used for a pool because their mode is set by Cache Residency Manager. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15198-E	The volumes "*ldev-id*" cannot be used for a pool because they are used by Copy-on-Write Snapshot or Thin Image. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15199-E	The volumes "*ldev-id*" cannot be used for a pool because they are set as Protect or Read-Only by Data Retention Utility. Specify different volumes.	*Cause* - *Action* Specify different volumes.

Message ID	Message Text	Description
KAIC15200-E	The volumes "*ldev-id*" cannot be used for a pool volume because they are set as restore volumes by Data Retention Utility. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15201-E	The volumes "*ldev-id*" cannot be used for a pool because they are being used as command devices. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15202-E	The volumes "*ldev-id*" cannot be used for a pool because they are being used as system disks. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15203-E	The volumes "*ldev-id*" cannot be used for a pool because they are being used as quorum disks. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15204-E	The volumes "*ldev-id*" cannot be used for a pool because their emulation type must be OPEN-V. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15205-E	The volumes "*ldev-id*" cannot be used for a pool because they are smaller than 8 GB. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15206-E	The volumes "*ldev-id*" cannot be used for a pool because they must be unallocated volumes. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15207-E	The volumes "*ldev-id*" cannot be used for a pool because they are reserved as migration volumes. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15208-E	The volumes "*ldev-id*" cannot be used for a pool because they are reserved for other tasks. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15209-E	Unable to expand pool. Not enough drives are available for the pool. You must add drives.	*Cause* Not enough drives are available for the pool. *Action*

Message ID	Message Text	Description
		You must add drives.
KAIC15210-E	Unable to create pool. The number of pools that would be created in the storage system "*storage-system-name*" exceeds the number allowed (*count-of-pools-that-can-create*). Delete unnecessary pools or select a different storage system.	*Cause* The number of pools that would be created in the storage system "*storage-system-name*" exceeds the number allowed (*count-of-pools-that-can-create*). *Action* Delete unnecessary pools or select a different storage system.
KAIC15211-E	The specified volume cannot be used for a pool. A pool cannot contain volumes with different CLPRs. Specify volumes that have the same CLPR.	*Cause* A pool cannot contain volumes with different CLPRs. *Action* Specify volumes that have the same CLPR.
KAIC15212-E	The specified volume cannot be used for a pool. A pool cannot be created by combining volumes where the cache mode is enabled and volumes where the cache mode is disabled. Specify volumes that have the same cache mode setting.	*Cause* A pool cannot be created by combining volumes where the cache mode is enabled and volumes where the cache mode is disabled. *Action* Specify volumes that have the same cache mode setting.
KAIC15213-E	The specified volume cannot be used for a pool. A pool cannot be created by combining internal and external volumes. Specify only internal volumes or only external volumes.	*Cause* A pool cannot be created by combining internal and external volumes. *Action* Specify only internal volumes or only external volumes.
KAIC15214-E	The specified volumes "*ldev-id*" cannot be used for a pool. These volumes are being used by Dynamic Provisioning Software. Specify different volumes.	*Cause* These volumes are being used by Dynamic Provisioning Software. *Action* Specify different volumes.
KAIC15215-E	The specified volumes cannot be used for a pool. These volumes have different drive types. Specify volumes that have the same drive type.	*Cause* - *Action* Specify volumes that have the same drive type.
KAIC15216-E	One or more of the selected storage systems were deleted. Refresh the window.	*Cause* - *Action*

Message ID	Message Text	Description
		Refresh the window.
KAIC15217-W	One or more tasks are being performed for this host. Wait until all running tasks complete.	*Cause* - *Action* Wait until all running tasks complete.
KAIC15218-E	One or more tasks are being performed for this storage system. Wait until all running tasks complete.	*Cause* - *Action* Wait until all running tasks complete.
KAIC15219-E	Unable to create logical group. A logical group more than 32 hierarchies cannot be created. (group name=*group-name*) Specify a different logical group.	*Cause* A logical group more than 32 hierarchies cannot be created. (group name=*group-name*) *Action* Specify a different logical group.
KAIC15220-E	Unable to expand pool. No storage system exists for expanding the pool. Cancel the operation and contact your storage system administrator.	*Cause* No storage system exists for expanding the pool. *Action* Cancel the operation and contact your storage system administrator.
KAIC15221-E	Unable to expand pool. The status of the pool is blocked and the usage rate is not 100%. Recover from the pool blocked status, refresh the storage system, and then try again.	*Cause* The status of the pool is blocked and the usage rate is not 100%. *Action* Recover from the pool blocked status, refresh the storage system, and then try again.
KAIC15222-E	Unable to expand pool. The status of the pool is blocked. Recover from the pool blocked status, refresh the storage system, and then try again.	*Cause* The status of the pool is blocked. *Action* Recover from the pool blocked status, refresh the storage system, and then try again.
KAIC15223-E	The pool "*pool-ID*" cannot be deleted because a path is set to a volume. Verify the volumes and try again.	*Cause* - *Action* Verify the volumes and try again.
KAIC15224-E	One or more volumes in the selected pools "*pool ID*" are	*Cause* - *Action*

Message ID	Message Text	Description
	reserved by other tasks. Wait for the tasks to end.	Wait for the tasks to end.
KAIC15225-E	Unable to delete pools in the storage system "*storage-system-name*". Specify a pool in a different storage system.	*Cause* - *Action* Specify a pool in a different storage system.
KAIC15226-E	Unable to delete pools. They are in different storage systems. (specified storage systems=*storage-system-name*) Specify pools that are in the same storage system.	*Cause* - *Action* Specify pools that are in the same storage system.
KAIC15227-E	The pools "*pool-ID*" cannot be deleted. They contain volumes that make up copy pairs. Verify the volumes and try again.	*Cause* - *Action* Verify the volumes and try again.
KAIC15228-E	The pools "*pool-ID*" cannot be deleted. The emulation type of volumes must be OPEN-V. Verify the volumes and try again.	*Cause* - *Action* Verify the volumes and try again.
KAIC15229-E	The pools "*pool-ID*" cannot be deleted because Protect or ReadOnly is set for volumes. Verify the volumes and try again.	*Cause* - *Action* Verify the volumes and try again.
KAIC15230-E	No storage system for creating tiers exists. Verify the storage systems and try again.	*Cause* - *Action* Verify the storage systems and try again.
KAIC15231-E	Unable to create tier. Verify the tiers and try again.	*Cause* - *Action* Verify the tiers and try again.
KAIC15232-E	The selected storage system "*storage-system-name*" does not contain a parity group where an HDT Pool can be created. Specify a different storage system.	*Cause* - *Action* Specify a different storage system.
KAIC15233-E	The specified parity groups cannot be used for pool volumes. They have different RAID levels. Specify	*Cause* - *Action*

Message ID	Message Text	Description
	parity groups that have the same RAID level.	Specify parity groups that have the same RAID level.
KAIC15234-E	One or more selected volumes cannot be used for a pool. Their status must be Normal. (selected volumes = "*ldev-id*") Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15235-E	The specified parity groups cannot be used for pool volumes. They have different RAID levels. Specify parity groups that have the same RAID level.	*Cause* - *Action* Specify parity groups that have the same RAID level.
KAIC15236-E	The specified volumes cannot be used for pool volumes. They have different drive speeds. Specify volumes that have the same drive speed.	*Cause* - *Action* Specify volumes that have the same drive speed.
KAIC15237-E	Unable to find a pool from which volumes can be created. The storage system does not have pools, or there is not enough pool capacity for creating volumes. Cancel the operation and verify the storage systems.	*Cause* The storage system does not have pools, or there is not enough pool capacity for creating volumes. *Action* Cancel the operation and verify the storage systems.
KAIC15238-E	Unable to find a parity group from which volumes can created. The storage system does not have parity groups, or there is not enough parity group capacity for creating volumes or parity groups are reserved. Cancel the operation and verify the storage systems.	*Cause* The storage system does not have parity groups, or there is not enough parity group capacity for creating volumes or parity groups are reserved. *Action* Cancel the operation and verify the storage systems.
KAIC15239-E	An error occurred while editing a tier. Check the tier.	*Cause* - *Action* Check the tier.
KAIC15240-E	There is no Storage System for expanding a pool. Cancel the operation, then contact the storage system administrator.	*Cause* - *Action* Cancel the operation, then contact the storage system administrator.
KAIC15242-E	A pool cannot be created because there are not enough usable drives. Add drives.	*Cause* - *Action*

Message ID	Message Text	Description
		Add drives.
KAIC15243-E	A pool cannot be created because one or more reserved drives are specified. Verify the PDEVs.	*Cause* - *Action* Verify the PDEVs.
KAIC15244-E	A pool cannot be created because specified drives are used. Verify the PDEVs.	*Cause* - *Action* Verify the PDEVs.
KAIC15245-E	The selected hosts include a host that was added manually or by an agent. When editing a host that was added manually or by an agent, only select that host.	*Cause* - *Action* When editing a host that was added manually or by an agent, only select that host.
KAIC15246-E	The specified saved search exists. Specify a different name.	*Cause* - *Action* Specify a different name.
KAIC15247-E	Information in the database is not valid for the following volumes: *ldev-id*. Refresh the storage system.	*Cause* - *Action* Refresh the storage system.
KAIC15248-E	The following volumes cannot be specified: *ldev-id*. Mainframe volumes cannot be allocated to an open host. Revise the specification.	*Cause* Mainframe volumes cannot be allocated to an open host. *Action* Revise the specification.
KAIC15249-E	The following volumes cannot be specified: *ldev-id*. Just-In-Time storage cannot be allocated to a host or external port. Revise the specification.	*Cause* Just-In-Time storage cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15250-E	The following volumes cannot be specified: *ldev-id*. System volumes cannot be allocated to a host or external port. Revise the specification.	*Cause* System volumes cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15251-E	The following volumes cannot be specified: *ldev-id*. System disks cannot be allocated to a host or	*Cause*

Message ID	Message Text	Description
	external port. Revise the specification.	System disks cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15252-E	The following volumes cannot be specified: *ldev-id*. Differential management LUs cannot be allocated to a host or external port. Revise the specification.	*Cause* Differential management LUs cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15253-E	The following volumes cannot be specified: *ldev-id*. The pool for HDP/HDT cannot be allocated to a host or external port. Revise the specification.	*Cause* The pool for HDP/HDT cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15254-E	The following volumes cannot be specified: *ldev-id*. Pools and journals cannot be allocated to a host or external port. Revise the specification.	*Cause* Pools and journals cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15255-E	The following volumes cannot be specified: *ldev-id*. A volume reserved for volume migration or auto-LUN cannot be allocated to a host or external port. Revise the specification.	*Cause* A volume reserved for volume migration or auto-LUN cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15257-E	The following volumes cannot be specified: *ldev-id*. The allocation of a Reserved volume for Data Retention Utility cannot be changed. The volumes cannot be changed or allocated because the mapping guard is set to the volumes. Use Storage Navigator, Storage Navigator Modular 2 to revise the volumes.	*Cause* The allocation of a Reserved volume for Data Retention Utility cannot be changed. The volumes cannot be changed or allocated because the mapping guard is set to the volumes. *Action* Use Storage Navigator, Storage Navigator Modular 2 to revise the volumes.
KAIC15258-E	The following volumes cannot be specified: *ldev-id*. A quorum disk for HAM cannot be allocated. Use Storage Navigator or Remote Web Console to perform the operation.	*Cause* A quorum disk for HAM cannot be allocated. *Action*

Message ID	Message Text	Description
		Use Storage Navigator or Remote Web Console to perform the operation.
KAIC15259-E	The following volumes cannot be specified: *ldev-id*. A LDEV Expansion/LUSE LDEV cannot be allocated to a host or external port. Revise the specification.	*Cause* A LDEV Expansion/LUSE LDEV cannot be allocated to a host or external port. *Action* Revise the specification.
KAIC15260-E	The emergency license expired. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15261-E	The temporary license expired. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15262-I	All storage system licenses expired. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15263-W	Some storage system licenses expired or are not registered, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15264-W	Some storage system licenses will expire soon or are not registered, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15265-W	Some storage systems exceeded their licensed capacity, and some storage system licenses are not registered. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15266-W	Some storage system licenses expired, and some are not registered. Register valid license keys or license key files.	*Cause* - *Action*

Message ID	Message Text	Description
		Register valid license keys or license key files.
KAIC15267-W	Some storage system licenses will expire soon, and some are not registered. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15268-W	A license is not registered for one or more storage systems. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15269-W	The license expired for one or more storage systems. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15270-W	Some storage system licenses will expire soon. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15271-W	Some storage system licenses expired, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15272-W	Some storage system licenses will expire soon, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15273-W	One or more storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15274-I	No license is registered. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.

Message ID	Message Text	Description
KAIC15275-I	All registered licenses are valid.	*Cause* - *Action* -
KAIC15276-E	You entered an expired license key. Register a valid license key.	*Cause* - *Action* Register a valid license key.
KAIC15277-E	The emergency license expired. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15278-W	The emergency license expiring. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15279-E	The temporary license expired. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15280-W	A temporary license will expire soon. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15281-W	Some storage system licenses expired or are not registered, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15282-W	Some storage system licenses will expire soon or are not registered, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15283-W	Some storage systems exceeded their licensed capacity, and some storage system licenses are not registered. Register valid license keys or license key files.	*Cause* - *Action*

Message ID	Message Text	Description
		Register valid license keys or license key files.
KAIC15284-W	Some storage system licenses expired, and some are not registered. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15285-W	Some storage system licenses will expire soon, and some are not registered. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15286-W	Some storage system licenses are not registered. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15287-W	Some storage system licenses are expired. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15288-W	Some storage system licenses will expire soon. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15289-W	Some storage system licenses expired, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15290-W	Some storage system licenses will expire soon, and some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15291-W	Some storage systems exceeded their licensed capacity. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.

Message ID	Message Text	Description
KAIC15292-I	No license is registered. Register valid license keys or license key files.	*Cause* - *Action* Register valid license keys or license key files.
KAIC15294-E	The capacity value is outside the valid range. Specify a value from *minimum-capacity-(unit-of-measure)* to *maximum-capacity-(unit-of-measure)*.	*Cause* - *Action* Specify a value from *minimum-capacity-(unit-of-measure)* to *maximum-capacity-(unit-of-measure)*.
KAIC15295-E	The registered license key is expired. Specify a valid license key.	*Cause* - *Action* Specify a valid license key.
KAIC15296-E	This operation was skipped because the Host Data Collector could not be connected in the previous operations. Retry the operation after removing the cause of the connection failure on the Host Data Collector. You can find more information about the failure in the messages for the previous operations.	*Cause* - *Action* Retry the operation after removing the cause of the connection failure on the Host Data Collector. You can find more information about the failure in the messages for the previous operations.
KAIC15297-E	Selected volume *ldev-id* is used by other tasks. Retry the operation after the other tasks using the volume are complete.	*Cause* - *Action* Retry the operation after the other tasks using the volume are complete.
KAIC15298-E	The selected volumes cannot be expanded because some volumes (*ldev-ids*) are not DP volumes. Select DP volumes.	*Cause* - *Action* Select DP volumes.
KAIC15299-E	The selected volumes cannot be expanded because some volumes (*ldev-ids*) are not in the Normal status. Select DP volumes with a Normal status.	*Cause* - *Action* Select DP volumes with a Normal status.
KAIC15300-E	The selected volumes cannot be expanded because the pool they belong to is not in the Normal status. Check the cause of the	*Cause* - *Action*

Message ID	Message Text	Description
	abnormal status, and, if necessary, remove the cause to get it back to normal.	Check the cause of the abnormal status, and, if necessary, remove the cause to get it back to normal.
KAIC15301-E	The selected volumes cannot be expanded because the subscription of the pool they belong to exceeds the limit. Expand the pool or increase the subscription limit.	*Cause* - *Action* Expand the pool or increase the subscription limit.
KAIC15302-E	The selected volumes cannot be edited because some volumes (*ldev-ids*) are not DP volumes. Select DP volumes.	*Cause* - *Action* Select DP volumes.
KAIC15303-E	The selected volumes cannot be expanded because some volumes (*ldev-ids*) have already reached or exceeded capacity limits. Select other volumes, expand the pool, or increase the subscription limit.	*Cause* - *Action* Select other volumes, expand the pool, or increase the subscription limit.
KAIC15304-E	The selected volumes cannot be expanded because some volumes (*ldev-ids*) already have a capacity that exceeds the hardware limit. Select other volumes.	*Cause* - *Action* Select other volumes.
KAIC15305-E	The system cannot suggest the path configuration for *number-of-paths* paths. Edit paths manually.	*Cause* - *Action* Edit paths manually.
KAIC15306-E	Insufficient LDEV IDs are available. Delete *number-of-volumes-to-delete* unnecessary volumes, or register LDEV IDs to the resource group.	*Cause* - *Action* Delete *number-of-volumes-to-delete* unnecessary volumes, or register LDEV IDs to the resource group.
KAIC15307-E	Unable to create volumes. The number of volumes to be created in a storage system (*the-number-of-volumes-that-create*) exceeds the number allowed (*the-maximum-number-of-volumes-that-create*). Specify a lower number of volumes to be created in the storage system.	*Cause* The number of volumes to be created in a storage system (*the-number-of-volumes-that-create.*) exceeds the number allowed (*the-maximum-number-of-volumes-that-create*). *Action* Specify a lower number of volumes to be created in the storage system.

Message ID	Message Text	Description
KAIC15308-E	Paths are not assigned to the selected volumes (*ldev-id*). The volumes are not assigned to any host groups. Select volumes allocated to hosts.	*Cause* - *Action* Select volumes allocated to hosts.
KAIC15309-E	User authentication failed due to a communication failure with the external authentication server. Check the communication with the external authentication server, and, if necessary, remove the cause of the communication failure.	*Cause* - *Action* Check the communication with the external authentication server, and, if necessary, remove the cause of the communication failure.
KAIC15310-E	Device Manager cannot access the database. There is a problem with *db-name*. Contact your administrator. Contact your administrator.	*Cause* - *Action* Contact your administrator.
KAIC15311-I	The emergency license expires in *day* days, on *date*.	*Cause* - *Action* -
KAIC15312-I	The temporary license expires in *day* days, on *date*.	*Cause* - *Action* -
KAIC15313-E	You cannot edit the saved search (*name-of-the-saved-search*) because it has been deleted. Click [Clear] to refresh the saved searches.	*Cause* - *Action* Click [**Clear**] to refresh the saved searches.
KAIC15314-I	License registration is completed. For details, see the license information.	*Cause* - *Action* For details, see the license information.
KAIC15315-E	The tier was not found. The tier may have been deleted. Cancel the operation, refresh the view, and, if necessary, try it again.	*Cause* The tier may have been deleted. *Action* Cancel the operation, refresh the view, and, if necessary, try it again.
KAIC15316-E	Task registration failed. (task name=*task-name*, cause=*cause*)	*Cause* -

Message ID	Message Text	Description
		Action -
KAIC15317-W	The used % (*used-%*) of the selected pool exceeds used threshold 1 (*used-threshold1*).	*Cause* - *Action* -
KAIC15318-E	Unable to create volumes because the used % (*used-%*) of the selected pool exceeds used threshold 2 (*used-threshold2*). Select another pool or expand the pool or increase the used threshold 2.	*Cause* - *Action* Select another pool or expand the pool or increase the used threshold 2.
KAIC15319-W	The subscription (*subscription*) of the selected pool exceeds subscription warning (*subscription-warning*).	*Cause* - *Action* -
KAIC15320-E	Unable to create volumes because the subscription (*subscription*) of the selected pool exceeds subscription limit (*subscription-limit*). Select another pool or expand the pool or increase the subscription limit.	*Cause* - *Action* Select another pool or expand the pool or increase the subscription limit.
KAIC15321-E	Unable to expand the selected pool because the total pool capacity (*total-capacity-of-pool*) exceeds the capacity limit of the storage system (*maximum-total-capacity-of-pool-in-storage-system*).	*Cause* - *Action* -
KAIC15322-E	Unable to create the DP volume because the total DP volume capacity (*total-dp-volume-capacity*) exceeds the capacity limit of the storage system (*maximum-total-dp-volume-capacity-in-storage-system*).	*Cause* - *Action* -
KAIC15323-E	Unable to expand the DP volume because the total DP volume capacity (*total-dp-volume-capacity*) exceeds the capacity limit of the storage system (*maximum-total-dp-volume-capacity-in-storage-system*).	*Cause* - *Action* -
KAIC15324-W	A path between storage system "*external-storage-system-name*" and "*internal-storage-system-name*" cannot be found. Storage	*Cause* Storage system "*external-storage-system-name*" does not have an appropriate storage port. *Action*

Message ID	Message Text	Description
	system "*external-storage-system-name*" does not have an appropriate storage port. Manually specify ports or set one port as Target with LUN security enabled.	Manually specify ports or set one port as Target with LUN security enabled.
KAIC15325-E	Volume "*ldev-id*" cannot be allocated. DP volumes unassigned to a pool cannot be allocated to hosts or external ports. Specify a volume that is assigned to a pool.	*Cause* DP volumes unassigned to a pool cannot be allocated to hosts or external ports. *Action* Specify a volume that is assigned to a pool.
KAIC15326-E	The format type is not specified. Specify the format type.	*Cause* - *Action* Specify the format type.
KAIC15327-E	Unused capacity cannot be reclaimed from the following volumes because they are not DP volumes: "*ldev-ids*" Select DP volumes.	*Cause* - *Action* Select DP volumes.
KAIC15328-E	Unused capacity cannot be reclaimed from the following volumes because their status is not normal: "*ldev-ids*" Verify the volume status by using the detailed information, and then select volumes whose status is normal.	*Cause* - *Action* Verify the volume status by using the detailed information, and then select volumes whose status is normal.
KAIC15329-E	Unused capacity cannot be reclaimed from the following volumes because the pool they belong to is blocked. Recover the blocked pool, refresh the storage system, and then try again.	*Cause* - *Action* Recover the blocked pool, refresh the storage system, and then try again.
KAIC15330-E	Unused capacity cannot be reclaimed from the following volumes because they belong to copy pairs: "*ldev-ids*" Verify the volumes, and then try again.	*Cause* - *Action* Verify the volumes, and then try again.
KAIC15331-E	Unused capacity will be or is already being reclaimed from the following volumes: "*ldev-ids*" Wait until capacity reclamation tasks have completed, and then try again.	*Cause* - *Action* Wait until capacity reclamation tasks have completed, and then try again.

Message ID	Message Text	Description
KAIC15332-I	Information does not appear because this tier consists of a pool.	*Cause* - *Action* -
KAIC15333-I	Information does not appear because this tier was configured by manually selecting volumes.	*Cause* - *Action* -
KAIC15334-I	Information does not appear because "All conditions" was not specified for this tier.	*Cause* - *Action* -
KAIC15335-I	This tier has other information which does not appear here.	*Cause* - *Action* -
KAIC15336-E	The selected LU number "*devnum-ids* " is already used. Another user might have used the specified LU number. Select a different LU number.	*Cause* Another user might have used the specified LU number. *Action* Select a different LU number.
KAIC15337-E	Volumes cannot be unallocated from the selected host. No volumes are allocated to the host, or allocated volumes are reserved. Alternatively, you might not have permission for a host group or an iSCSI target. Make sure that volumes are allocated to the host, that volumes are not reserved, and that you have the required permissions for host groups or iSCSI targets.	*Cause* No volumes are allocated to the host, or allocated volumes are reserved. Alternatively, you might not have permission for a host group or an iSCSI target. *Action* Make sure that volumes are allocated to the host, that volumes are not reserved, and that you have the required permissions for host groups or iSCSI targets.
KAIC15338-E	Between host groups (*host-group-names*), host mode (*host-modes*) is inconsistent. Select ports so that the host mode and options are the same.	*Cause* - *Action* Select ports so that the host mode and options are the same.
KAIC15339-E	Between host groups (*host-group-names*), host mode option (*host-mode-options*) is inconsistent. Select ports so that the host mode and options are the same.	*Cause* - *Action*

Message ID	Message Text	Description
		Select ports so that the host mode and options are the same.
KAIC15340-E	The specified host groups might be modified. Cancel the operation, and then try again.	*Cause* - *Action* Cancel the operation, and then try again.
KAIC15341-E	Unused capacity cannot be reclaimed from the following volumes because the pool they belong to is being shrink. When shrink pool tasks are completed, try again.	*Cause* - *Action* When shrink pool tasks are completed, try again.
KAIC15342-E	Pool deletion failed. The pool contains parity groups that have different drive types or speeds. Use Element Manager to perform the operation.	*Cause* The pool contains parity groups that have different drive types or speeds. *Action* Use Element Manager to perform the operation.
KAIC15343-E	Pool expansion failed. The pool contains parity groups that have different drive types or speeds. Use Element Manager to perform the operation.	*Cause* The pool contains parity groups that have different drive types or speeds. *Action* Use Element Manager to perform the operation.
KAIC15344-E	Pool shrinking failed. The pool contains parity groups that have different drive types or speeds. Use Element Manager to perform the operation.	*Cause* The pool contains parity groups that have different drive types or speeds. *Action* Use Element Manager to perform the operation.
KAIC15345-E	The pool cannot be shrunk because the status of these volumes is not normal: "*ldev-ids*" A volume cannot be moved because: (1) It is the first volume added to a pool. (2) The pool threshold is exceeded if it is moved. (3) It is already being moved. (4) It is no longer a pool volume. From the [Resources] tab tree, select DP pool again, and then select a volume whose status in the [Removable] row of the [DP Pool Vols] tab indicates that it can be moved.	*Cause* A volume cannot be moved because: (1) It is the first volume added to a pool. (2) The pool threshold is exceeded if it is moved. (3) It is already being moved. (4) It is no longer a pool volume. *Action* From the [**Resources**] tab tree, select DP pool again, and then select a volume whose status in the [**Removable**] row of the [**DP**

Message ID	Message Text	Description
		Pool Vols] tab indicates that it can be moved.
KAIC15346-W	When the selected volumes are removed, the used capacity exceeds Used Threshold 1.	*Cause* - *Action* -
KAIC15347-E	The selected volumes cannot be removed. The used capacity exceeds Used Threshold 2. Revise your selection to remove less capacity.	*Cause* - *Action* Revise your selection to remove less capacity.
KAIC15348-W	When the selected volumes are removed, the pool subscription exceeds the warning threshold.	*Cause* - *Action* -
KAIC15349-E	The selected volumes cannot be removed. The pool subscription exceeds the limit. Decrease the removed capacity or increase the subscription limit.	*Cause* - *Action* Decrease the removed capacity or increase the subscription limit.
KAIC15350-E	The following volumes cannot be specified: *ldev-id*. The allocation of a Protect volume for Data Retention Utility cannot be changed. Revise the specification.	*Cause* The allocation of a Protect volume for Data Retention Utility cannot be changed. *Action* Revise the specification.
KAIC15351-E	These volumes cannot be specified: *ldev-ids*. Volumes for which paths are specified cannot be deleted. Use different volumes.	*Cause* Volumes for which paths are specified cannot be deleted. *Action* Use different volumes.
KAIC15352-E	These volumes cannot be specified: *ldev-ids*. Volumes that are part of a copy pair cannot be deleted. Use different volumes.	*Cause* Volumes that are part of a copy pair cannot be deleted. *Action* Use different volumes.
KAIC15353-E	These volumes cannot be specified: *ldev-ids*. Volumes that are part of a LUSE volume cannot be deleted. Use different volumes.	*Cause* Volumes that are part of a LUSE volume cannot be deleted. *Action* Use different volumes.
KAIC15354-E	These volumes cannot be specified: *ldev-ids*. Volumes	*Cause*

Message ID	Message Text	Description
	reserved for migration cannot be deleted. Wait a few minutes, and then try again. If this error occurs repeatedly, confirm whether the server is started. (maintenance information=*ldev-ids*)	Volumes reserved for migration cannot be deleted. *Action* Wait a few minutes, and then try again. If this error occurs repeatedly, confirm whether the server is started. (maintenance information=*ldev-ids*)
KAIC15355-E	These volumes cannot be specified: *ldev-ids*. Volumes for which Protect or Read-Only is specified by using Data Retention Utility cannot be deleted. Use different volumes.	*Cause* Volumes for which Protect or Read-Only is specified by using Data Retention Utility cannot be deleted. *Action* Use different volumes.
KAIC15356-E	These volumes cannot be specified: *ldev-ids*. Volumes that are command devices cannot be deleted. Use different volumes.	*Cause* Volumes that are command devices cannot be deleted. *Action* Use different volumes.
KAIC15357-E	These volumes cannot be specified: *ldev-ids*. Volumes that are quorum disks cannot be deleted. Use different volumes.	*Cause* Volumes that are quorum disks cannot be deleted. *Action* Use different volumes.
KAIC15358-E	These volumes cannot be specified: *ldev-ids*. Volumes for which inquiry control is set cannot be deleted. Use different volumes.	*Cause* Volumes for which inquiry control is set cannot be deleted. *Action* Use different volumes.
KAIC15359-E	These volumes cannot be specified: *ldev-ids*. Volumes for which replication control is set cannot be deleted. Use different volumes.	*Cause* Volumes for which replication control is set cannot be deleted. *Action* Use different volumes.
KAIC15360-E	These volumes cannot be specified: *ldev-ids*. Volumes for which DM-LU is set cannot be deleted. Use different volumes.	*Cause* Volumes for which DM-LU is set cannot be deleted. *Action* Use different volumes.
KAIC15361-E	These volumes cannot be specified: *ldev-ids*. An external volume cannot be deleted. Use different volumes.	*Cause* An external volume cannot be deleted. *Action*

Message ID	Message Text	Description
		Use different volumes.
KAIC15362-W	These virtual volumes are going to be deleted because they are in the same parity groups as the selected virtual volumes: *ldev-ids*.	*Cause* - *Action* -
KAIC15363-E	The following volumes cannot be used: *ldev-ids*. Pool volume cannot be deleted. Use different volumes.	*Cause* Pool volume cannot be deleted. *Action* Use different volumes.
KAIC15364-E	The specified storage system configuration already exists. Check the combination of hosts, ports, and volumes.	*Cause* - *Action* Check the combination of hosts, ports, and volumes.
KAIC15365-E	A host group with name "*host-group-names*" already exists. Specify a different host group name.	*Cause* - *Action* Specify a different host group name.
KAIC15366-E	Unable to delete host group. After unallocating, paths still exist in host groups or iSCSI targets (*host-group-names-or-iSCSI-targets*). A volume may have been allocated to a host group or iSCSI target before the task started. Verify whether volumes were allocated to the host groups or iSCSI targets, and then retry unallocation if necessary.	*Cause* After unallocating, paths still exist in host groups or iSCSI targets (*host-group-names-or-iSCSI-targets*). A volume may have been allocated to a host group or iSCSI target before the task started. *Action* Verify whether volumes were allocated to the host groups or iSCSI targets, and then retry unallocation if necessary.
KAIC15367-E	This user group already exists.	*Cause* - *Action* -
KAIC15368-E	Unable to obtain URL information to start NAS Manager or Hitachi File Services Manager. Open the NAS Manager or Hitachi File Services Manager window and refresh the file server or NAS module.	*Cause* - *Action* Open the NAS Manager or Hitachi File Services Manager window and refresh the file server or NAS module.

Message ID	Message Text	Description
KAIC15369-E	Creation of a resource group failed. Cancel the operation and verify the server status. (maintenance information=*exception*)	*Cause* - *Action* Cancel the operation and verify the server status. (maintenance information=*exception*)
KAIC15370-E	Creation of a resource group failed. Cancel the operation, and then confirm that the target storage system has registerable resources.	*Cause* - *Action* Cancel the operation, and then confirm that the target storage system has registerable resources.
KAIC15371-W	A LUSE volume has been selected. The representative and non-representative volumes related to the selected volume are registered.	*Cause* - *Action* -
KAIC15372-W	A pool volume has been selected. A pool volumes that relates to the selected volumes is registered.	*Cause* - *Action* -
KAIC15373-E	The built-in resource group cannot execute this operation. Select a resource group other than the built-in resource group.	*Cause* - *Action* Select a resource group other than the built-in resource group.
KAIC15375-E	You do not have permission to perform this operation for the selected *resource-type* "*resource-name*". Verify the specification.	*Cause* - *Action* Verify the specification.
KAIC15376-E	More usable LDEV IDs are required. Register additional LDEV IDs in the resource group.	*Cause* - *Action* Register additional LDEV IDs in the resource group.
KAIC15377-E	No usable host group numbers for port "*port-name*". Register additional host group numbers in the resource group.	*Cause* - *Action* Register additional host group numbers in the resource group.
KAIC15378-E	Port "*port-name*" is unavailable. Volumes are allocated to WWN "*wwn*" using the unauthorized host group number "*host-group-*	*Cause* Volumes are allocated to WWN "*wwn*" using the unauthorized

Message ID	Message Text	Description
	number". Register host group "*host-group-number*" in the resource group, or use another port.	host group number "*host-group-number*". *Action* Register host group "*host-group-number*" in the resource group, or use another port.
KAIC15379-E	You do not have permission to perform these tasks: *name-of-tasks-for-which-there-is-no-permission*. Perform the operation as the task owner or as a user with the required permissions.	*Cause* - *Action* Perform the operation as the task owner or as a user with the required permissions.
KAIC15380-E	You do not have permission to view these tasks: *name-of-tasks-for-which-there-is-no-permission*. Perform the operation as the task owner or as a user with the required permissions.	*Cause* - *Action* Perform the operation as the task owner or as a user with the required permissions.
KAIC15381-E	You do not have permission to delete alerts from these storage systems: *name-of-storage-systems-for-which-alerts-could-not-be-deleted-by-the-logged-in-user*. Perform the operation as a user with the required permissions.	*Cause* - *Action* Perform the operation as a user with the required permissions.
KAIC15382-E	Unable to find the alert. The alert may have been removed. Cancel the operation, refresh the view, and if necessary try again.	*Cause* The alert may have been removed. *Action* Cancel the operation, refresh the view, and if necessary try again.
KAIC15383-E	Unable to expand pool. A pool cannot contain parity groups that have different drive types. Verify that the drive type of all parity groups is the same.	*Cause* A pool cannot contain parity groups that have different drive types. *Action* Verify that the drive type of all parity groups is the same.
KAIC15384-E	Unable to expand pool. A pool cannot be created by combining internal and external parity groups. Select only internal or only external parity groups.	*Cause* A pool cannot be created by combining internal and external parity groups. *Action* Select only internal or only external parity groups.

Message ID	Message Text	Description
KAIC15385-E	Unable to expand pool. If the mixable status of a pool is "No", internal parity groups cannot be combined with external parity groups. Select only internal or only external parity groups.	*Cause* If the mixable status of a pool is "No", internal parity groups cannot be combined with external parity groups. *Action* Select only internal or only external parity groups.
KAIC15386-E	Unable to expand pool. A pool cannot be created by combining external parity groups that have cache mode enabled and external parity groups that have cache mode disabled. Select external parity groups that have the same cache mode settings.	*Cause* A pool cannot be created by combining external parity groups that have cache mode enabled and external parity groups that have cache mode disabled. *Action* Select external parity groups that have the same cache mode settings.
KAIC15387-E	Unable to create pool. A pool cannot be created by combining external parity groups that have cache mode disabled and internal parity groups. Revise the parity group specification.	*Cause* A pool cannot be created by combining external parity groups that have cache mode disabled and internal parity groups. *Action* Revise the parity group specification.
KAIC15388-E	Unable to expand pool. A pool cannot be created by combining external parity groups that have cache mode disabled and internal parity groups. Revise the parity group specification.	*Cause* A pool cannot be created by combining external parity groups that have cache mode disabled and internal parity groups. *Action* Revise the parity group specification.
KAIC15389-E	Unable to create pool. A pool cannot be created by combining external volumes that have cache mode disabled and internal volumes. Revise the volume specification.	*Cause* A pool cannot be created by combining external volumes that have cache mode disabled and internal volumes. *Action* Revise the volume specification.
KAIC15390-E	A pool cannot be created by combining RAID1 parity groups with other parity groups. Verify that the RAID level of either all parity groups or no parity groups is RAID1.	*Cause* - *Action* Verify that the RAID level of either all parity groups or no parity groups is RAID1.

Message ID	Message Text	Description
KAIC15391-E	A pool cannot be created by combining parity groups that have the same drive type and speeds, but different RAID levels. Revise the parity group specification.	*Cause* - *Action* Revise the parity group specification.
KAIC15392-W	The pool includes parity groups that have 3 combinations of attributes (drive type, speed, RAID level, or internal/external location).	*Cause* - *Action* -
KAIC15393-E	A pool cannot be created by combining parity groups that have more than 3 combinations of attributes (drive type, speed, RAID level, or internal/external location). Revise the parity group specification. Parity groups that make up the pool cannot have more than 3 combinations of attributes.	*Cause* - *Action* Revise the parity group specification. Parity groups that make up the pool cannot have more than 3 combinations of attributes.
KAIC15394-W	This pool includes parity groups that have different combinations of attributes (drive type, speed, RAID level, or internal/external location).	*Cause* - *Action* -
KAIC15395-E	The following MF-HDP pools cannot be specified: *pool-id*. This operation cannot be executed for MF-HDP pools. Revise the specification.	*Cause* This operation cannot be executed for MF-HDP pools. *Action* Revise the specification.
KAIC15396-E	You do not have permission (*permission*) for these storage systems: *storage-system-names*. Use different storage systems.	*Cause* - *Action* Use different storage systems.
KAIC15397-E	You do not have permission (*permissions*) for these volumes: *ldev-ids*. Use different volumes.	*Cause* - *Action* Use different volumes.
KAIC15398-E	You do not have permission (*permission*) for the pool(s): *pool-ids*. Use different pool(s).	*Cause* - *Action* Use different pool(s).
KAIC15399-E	The specified volumes cannot be used for a pool. A pool cannot contain volumes from different resource groups. Verify that the	*Cause* A pool cannot contain volumes from different resource groups.

Message ID	Message Text	Description
	volumes are in the same resource group.	*Action* Verify that the volumes are in the same resource group.
KAIC15400-E	A pool could not be created. Storage system "*storage-system-name*" does not contain appropriate volumes for a pool. Cancel the operation and contact your storage system administrator.	*Cause* Storage system "*storage-system-name*" does not contain appropriate volumes for a pool. *Action* Cancel the operation and contact your storage system administrator.
KAIC15401-E	You do not have permission (*permission*) for these volumes in pools (*pool-IDs*): *ldev-ids*. Use different pools.	*Cause* - *Action* Use different pools.
KAIC15402-E	You do not have permission (*permission*) for these pools containing volumes (*ldev-ids*): *pool-IDs*. Use different volumes.	*Cause* - *Action* Use different volumes.
KAIC15403-E	You do not have permission to refresh these storage systems: *name-of-storage-systems-that-the-logged-in-user-could-not-refresh*. Perform the operation as a user with the required permissions.	*Cause* - *Action* Perform the operation as a user with the required permissions.
KAIC15404-E	You do not have permission to edit the storage system. Edit the storage system as a user with the required permissions.	*Cause* - *Action* Edit the storage system as a user with the required permissions.
KAIC15405-E	A pool with status "No" cannot be created by combining RAID1 parity groups and other parity groups. Revise the parity group specification.	*Cause* - *Action* Revise the parity group specification.
KAIC15406-E	No usable ports found. Register additional host group numbers in the resource group.	*Cause* - *Action* Register additional host group numbers in the resource group.
KAIC15407-E	Information for the selected pool may not be current. Refresh storage system "*storage-system-name*".	*Cause* - *Action*

Message ID	Message Text	Description
		Refresh storage system "*storage-system-name*".
KAIC15408-E	Unable to obtain user information. Start the server. If it is already started, contact Support.	*Cause* - *Action* Start the server. If it is already started, contact Support.
KAIC15410-E	Unable to obtain user information (user ID = *user ID*). Start the server. If it is already started, contact Support.	*Cause* - *Action* Start the server. If it is already started, contact Support.
KAIC15411-E	Unable to obtain user group information (user group ID = *user-group ID*). Start the server. If it is already started, contact Support.	*Cause* - *Action* Start the server. If it is already started, contact Support.
KAIC15412-E	Unable to obtain relationships between user groups, resource groups, and roles. Start the server. If it is already started, contact Support.	*Cause* - *Action* Start the server. If it is already started, contact Support.
KAIC15413-E	Unable to obtain application information (application = *application*). Start the server. If it is already started, contact Support.	*Cause* - *Action* Start the server. If it is already started, contact Support.
KAIC15414-E	Unable to obtain role (application = *application*). Start the server. If it is already started, contact Support.	*Cause* - *Action* Start the server. If it is already started, contact Support.
KAIC15416-E	The specified user group was not found. It might have been deleted. Cancel the operation and verify the user group.	*Cause* It might have been deleted. *Action* Cancel the operation and verify the user group.
KAIC15418-E	Some of the selected users cannot assigned to a user group. Some of the selected users belong to the default user group. Remove the users from the default user groups and try again.	*Cause* Some of the selected users belong to the default user group. *Action* Remove the users from the default user groups and try again.

Message ID	Message Text	Description
KAIC15420-W	Different roles are selected for resource groups created from the same storage system. All of the selected roles can be used in all of the resource groups.	*Cause* - *Action* -
KAIC15421-E	Creation of the user group "*user-group-name*" failed. Stop the operation, verify the server status, and then use the Create User Group dialog box again to create the user group. If the error occurs again, contact the Support Center. (maintenance information=*server-message*)	*Cause* - *Action* Stop the operation, verify the server status, and then use the Create User Group dialog box again to create the user group. If the error occurs again, contact the Support Center. (maintenance information=*server-message*)
KAIC15422-E	Unable to assign user to user group "*user-group-name*". Stop the operation and verify the server status. Open the Edit User Group dialog box again and modify the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)	*Cause* - *Action* Stop the operation and verify the server status. Open the Edit User Group dialog box again and modify the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)
KAIC15423-E	Unable to assign resource group or role to the user group. Stop the operation and verify the server status. Open the Edit User Group dialog box again and assign a resource group and role to the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)	*Cause* - *Action* Stop the operation and verify the server status. Open the Edit User Group dialog box again and assign a resource group and role to the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)
KAIC15424-E	Unable to modify user group name or description (user group name=*user-group-name*). Stop the operation and verify the server status. Open the Edit User Group dialog box again and assign a user to the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)	*Cause* - *Action* Stop the operation and verify the server status. Open the Edit User Group dialog box again and assign a user to the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)
KAIC15430-E	Unable to remove user group (user group name = *user-group-name*).	*Cause* - *Action*

Message ID	Message Text	Description
	Stop the operation and verify the server status. Open the Edit User Group dialog box again to delete the user group. If this error occurs again, contact Support.	Stop the operation and verify the server status. Open the Edit User Group dialog box again to delete the user group. If this error occurs again, contact Support.
KAIC15434-E	Unable to assign user group (user group name=*user ID*). Stop the operation, verify the server status, and assign the user group again. If this error occurs again, contact Support. (maintenance information=*server-message*)	*Cause* - *Action* Stop the operation, verify the server status, and assign the user group again. If this error occurs again, contact Support. (maintenance information=*server-message*)
KAIC15435-E	A resource group could not be edited. Stop the operation and verify the server status. If the error occurs again, contact the Support Center.	*Cause* - *Action* Stop the operation and verify the server status. If the error occurs again, contact the Support Center.
KAIC15436-E	A resource group could not be deleted. Stop the operation and verify the server status. If the error occurs again, contact the Support Center.	*Cause* - *Action* Stop the operation and verify the server status. If the error occurs again, contact the Support Center.
KAIC15437-E	The specified resources could not be found. The selected resources might have already been deleted or might have been registered in another resource group. Cancel the operation and verify the resources.	*Cause* The selected resources might have already been deleted or might have been registered in another resource group. *Action* Cancel the operation and verify the resources.
KAIC15438-E	The selected resources cannot be operated. The registration of the selected resources might have already been canceled. Cancel the operation and verify the resources.	*Cause* The registration of the selected resources might have already been canceled. *Action* Cancel the operation and verify the resources.
KAIC15439-E	Deletion of the resource group *resource-grouo-name* failed. Cancel the operation and verify the server status.	*Cause* - *Action* Cancel the operation and verify the server status.

Message ID	Message Text	Description
KAIC15440-E	Unable to assign a resource group to a user group. One of these combinations is selected: - All Resources and a user-defined resource group. - The default resource group and a user-defined resource group for the same storage system. Revise the resource group selection.	*Cause* One of these combinations is selected: - All Resources and a user-defined resource group. - The default resource group and a user-defined resource group for the same storage system. *Action* Revise the resource group selection.
KAIC15441-E	No ports are available. Possible reasons include the following: - You do not have the required permissions for the port or host group number. - The port or host group belongs to another virtual storage machine, and is already being used to allocate volumes to the target host. Register ports or host groups to the target virtual storage machine as necessary, and then retry the operation as a user that has the Modify permission.	*Cause* Possible reasons include the following: • You do not have the required permissions for the port or host group number. • The port or host group belongs to another virtual storage machine, and is already being used to allocate volumes to the target host. *Action* Register ports or host groups to the target virtual storage machine as necessary, and then retry the operation as a user that has the Modify permission.
KAIC15442-E	You cannot create a new host group for port "*port-name*". You do not have permission for port "*port-name*". Register the resource group target port.	*Cause* You do not have permission for port "*port-name*". *Action* Register the resource group target port.
KAIC15443-E	You do not have permission for the following tasks: *the-name-of-tasks-that-could-not-operated-by-login-user*. Run the tasks as an owner or with the required permissions.	*Cause* - *Action* Run the tasks as an owner or with the required permissions.
KAIC15444-E	You do not have permission to view the following tasks: *the-name-of-tasks-that-could-not-operated-by-login-user*. Run the tasks as an owner or with the required permissions.	*Cause* - *Action* Run the tasks as an owner or with the required permissions.
KAIC15445-E	The parity groups (*parity-group-names*) that belongs to the selected volumes (*ldev-ids*) does not have appropriate permission	*Cause* - *Action*

Message ID	Message Text	Description
	(*permission*) for this operation. Use different volumes.	Use different volumes.
KAIC15446-E	Some users are in another user group. Remove the users from the other user groups.	*Cause* - *Action* Remove the users from the other user groups.
KAIC15447-E	The selected path cannot be deleted. You do not have permission for the host group number "*host-group-number*". Register the host group "*host-group-number*" in the resource group.	*Cause* You do not have permission for the host group number "*host-group-number*". *Action* Register the host group "*host-group-number*" in the resource group.
KAIC15448-E	A host group cannot be created. Not enough host group numbers are available for port "*port-name*". Register host group numbers in the resource group.	*Cause* Not enough host group numbers are available for port "*port-name*". *Action* Register host group numbers in the resource group.
KAIC15449-E	Some user groups cannot assigned to a user. Either default user groups are selected, or a default user group and user-defined user groups are selected. Revise the user group selection.	*Cause* Either default user groups are selected, or a default user group and user-defined user groups are selected. *Action* Revise the user group selection.
KAIC15450-E	*permission* permission is required for the following parity groups or volumes: *parity-group-name*. Use different parity groups.	*Cause* - *Action* Use different parity groups.
KAIC15451-E	*permission* permission is required for the following pool or volumes: *pool-ids*. Use different pools.	*Cause* - *Action* Use different pools.
KAIC15453-E	This logical group cannot be displayed because it has more than *maximum-number-of-displayable-volumes* volumes. Select different logical groups.	*Cause* - *Action* Select different logical groups.
KAIC15454-E	Logical group must only include HDT volumes from a single pool. Select different logical groups or	*Cause* - *Action*

Message ID	Message Text	Description
	modify the logical group contents so that they only contain HDT volumes from a single pool.	Select different logical groups or modify the logical group contents so that they only contain HDT volumes from a single pool.
KAIC15455-E	The tier residency report settings are not found in the database. Log on again. (maintenance information = *missing-entity-name*)	*Cause* - *Action* Log on again. (maintenance information = *missing-entity-name*)
KAIC15456-I	Host group "*host-group*" includes WWN "*wwn*" and is not recognized by host "*host*". Volumes allocated to this WWN are unallocated when this operation is performed.	*Cause* - *Action* -
KAIC15457-E	Unallocation cannot be performed because only some of the volumes in the host group are specified. Host "*host*" is also in target host group "*host-group*". Select all hosts in this host group or select the remaining volumes (*volume*) allocated to the host group, and unallocate again. If you do not have permission for the remaining volumes, contact your system administrator.	*Cause* Host "*host*" is also in target host group "*host-group*". *Action* Select all hosts in this host group or select the remaining volumes (*volume*) allocated to the host group, and unallocate again. If you do not have permission for the remaining volumes, contact your system administrator.
KAIC15458-E	You do not have permission to view the following task: *name-of-the-task-that-the-logged-in-user-was-unable-to-perform*. Perform the operation as the task owner, or as a user who has the required permissions.	*Cause* - *Action* Perform the operation as the task owner, or as a user who has the required permissions.
KAIC15459-E	You do not have permission (*permission*) for these parity groups: *parity-group-names*. Use different parity groups.	*Cause* - *Action* Use different parity groups.
KAIC15460-E	You do not have permission (*permission*) for a parity group in the storage systems: *storage-system-name*. Use different storage systems.	*Cause* - *Action* Use different storage systems.
KAIC15461-E	You do not have permission (*permission*) for a pool in the storage systems: *storage-system-names*. Use different storage systems.	*Cause* - *Action* Use different storage systems.

Message ID	Message Text	Description
KAIC15462-E	You do not have permission (*permission*) for a parity group and a pool in the storage systems: *storage-system-names*. Use different storage systems.	*Cause* - *Action* Use different storage systems.
KAIC15463-E	Unable to obtain *objectname* information. A specified *objectname* might be deleted. Cancel the operation and verify the *objectname*.	*Cause* A specified *objectname* might be deleted. *Action* Cancel the operation and verify the *objectname*.
KAIC15464-E	The specified user group name already exists (user group name=*user-group-name*). Specify another name.	*Cause* - *Action* Specify another name.
KAIC15465-E	Unable to assign user to user group "*user-group-name*". The user group or users were deleted. Cancel the operation and verify the user group and the users.	*Cause* The user group or users were deleted. *Action* Cancel the operation and verify the user group and the users.
KAIC15466-E	Unable to assign resource group or role to the user group "*user-group-name*". The user group or resource groups were deleted. Cancel the operation and verify the user group and the resource groups.	*Cause* The user group or resource groups were deleted. *Action* Cancel the operation and verify the user group and the resource groups.
KAIC15467-E	Unable to assign user to user group "*user-group-name*". The user group or users were deleted. Cancel the operation and verify the user group and the users. (maintenance information=*server-message*)	*Cause* The user group or users were deleted. *Action* Cancel the operation and verify the user group and the users. (maintenance information=*server-message*)
KAIC15469-E	Unable to assign resource group or role to the user group "*user-group-name*". The user group or resource groups were deleted. Cancel the operation and verify the user group and the resource groups.	*Cause* The user group or resource groups were deleted. *Action* Cancel the operation and verify the user group and the resource groups.
KAIC15470-E	Unable to assign resource group or role to the user group "*user-group-name*". Stop the operation and	*Cause* -

Message ID	Message Text	Description
	verify the server status. Open the Edit User Group dialog box again to set the resource group to the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)	*Action* Stop the operation and verify the server status. Open the Edit User Group dialog box again to set the resource group to the user group. If this error occurs again, contact Support. (maintenance information=*server-message*)
KAIC15471-E	Edition of the user group "*user-group-name*" failed. Stop the operation, verify the server status, and then use the Edit User Group dialog box again to edit the user group. If the error occurs again, contact the Support Center. (maintenance information=*server-message*)	*Cause* - *Action* Stop the operation, verify the server status, and then use the Edit User Group dialog box again to edit the user group. If the error occurs again, contact the Support Center. (maintenance information=*server-message*)
KAIC15472-E	Unable to assign user group (user group name=*user ID*). The user group or users were deleted. Cancel the operation and verify the user group and the users.	*Cause* The user group or users were deleted. *Action* Cancel the operation and verify the user group and the users.
KAIC15473-E	Unable to obtain user group information. Start the server. If it is already started, contact Support.	*Cause* - *Action* Start the server. If it is already started, contact Support.
KAIC15474-E	The specified path cannot be assigned to the port "*storage-port-name*". You do not have permission for the host group number "*host-group-number*". Register the host group number "*host-group-number*" in a resource group.	*Cause* You do not have permission for the host group number "*host-group-number*". *Action* Register the host group number "*host-group-number*" in a resource group.
KAIC15475-E	Creation of a resource group failed. Cancel the operation and verify the server status. (finished=*successful*, failed=*failed*, unexecution=*unexecution*, maintenance information=*servermessage*)	*Cause* - *Action* Cancel the operation and verify the server status. (finished=*successful*, failed=*failed*, unexecution=*unexecution*, maintenance information=*servermessage*)

Message ID	Message Text	Description
KAIC15476-E	A resource group could not be edited. Cancel the operation and verify the server status. (finished=*successful*, failed=*failed*, unexecution=*unexecution*, maintenance information=*servermessage*)	*Cause* - *Action* Cancel the operation and verify the server status. (finished=*successful*, failed=*failed*, unexecution=*unexecution*, maintenance information=*servermessage*)
KAIC15477-E	Unable to create pool. A pool cannot contain parity groups with different drive types, drive speeds, or chip types. If the device can recognize chip types, the chip type column is displayed in the parity group list. Otherwise, the chip type column is not displayed. Ensure that the drive types, drive speeds, and chip types of all parity groups are the same.	*Cause* A pool cannot contain parity groups with different drive types, drive speeds, or chip types. If the device can recognize chip types, the chip type column is displayed in the parity group list. Otherwise, the chip type column is not displayed. *Action* Ensure that the drive types, drive speeds, and chip types of all parity groups are the same.
KAIC15478-E	Unable to expand pool. A pool cannot contain parity groups with different drive types, drive speeds, or chip types. If the device can recognize chip types, the chip type column is displayed in the parity group list. Otherwise, the chip type column is not displayed. Verify that the drive types, drive speeds, and chip types of all parity groups are the same.	*Cause* A pool cannot contain parity groups with different drive types, drive speeds, or chip types. If the device can recognize chip types, the chip type column is displayed in the parity group list. Otherwise, the chip type column is not displayed. *Action* Verify that the drive types, drive speeds, and chip types of all parity groups are the same.
KAIC15479-I	Drives that Device Manager does not support are included. Drives that Device Manager does not support cannot be used to create a pool. Contact the Support Center to verify what drives are supported.	*Cause* Drives that Device Manager does not support cannot be used to create a pool. *Action* Contact the Support Center to verify what drives are supported.
KAIC15480-I	Drives that Device Manager does not support are included. Drives that Device Manager does not support cannot be used to expand a pool. Contact the Support Center to verify what drives are supported.	*Cause* Drives that Device Manager does not support cannot be used to expand a pool. *Action*

Message ID	Message Text	Description
		Contact the Support Center to verify what drives are supported.
KAIC15481-E	You do not have permission for the following resources. Verify the resources permissions: *devnums-and-poolids*.	*Cause* - *Action* Verify the resources permissions: *devnums-and-poolids*.
KAIC15482-E	The storage system does not support the tiering policy function. Update the storage system microcode.	*Cause* - *Action* Update the storage system microcode.
KAIC15483-E	The tiering policy does not need to be edited because only one hardware tier exists in the HDT pool.	*Cause* - *Action* -
KAIC15484-E	The tiering policy cannot be edited because DP volumes exist in multiple storage systems. Verify the selected volumes.	*Cause* - *Action* Verify the selected volumes.
KAIC15485-E	The tiering policy cannot be edited because DP volumes have been created from HDT pools that contain a different number of hardware tiers. Verify the selected volumes.	*Cause* - *Action* Verify the selected volumes.
KAIC15486-E	The tiering policy cannot be edited because volumes are not DP volumes created from the HDT pool. Verify the selected volumes.	*Cause* - *Action* Verify the selected volumes.
KAIC15487-E	The selected logical group does not include any volumes that are in a storage system that supports the tiering policy function. Verify the selected logical group.	*Cause* - *Action* Verify the selected logical group.
KAIC15488-E	Unable to edit tiering policy with the selected volume(*DevNums*) is failed. The volumes may be in use by other tasks or may be deleted. Close the dialog box, and verify the status of the volumes from the [Resources] tab.	*Cause* The volumes may be in use by other tasks or may be deleted. *Action* Close the dialog box, and verify the status of the volumes from the [**Resources**] tab.
KAIC15490-E	Unable to edit tiering policy with the selected volume(*DevNums*) is failed. The configuration of the	*Cause*

Message ID	Message Text	Description
	hardware tiers has changed. Edit the tiering policy again.	The configuration of the hardware tiers has changed. *Action* Edit the tiering policy again.
KAIC15491-W	If the number of hardware tiers in the HDT pool is modified, the settings for the DP volume tiering policies are also automatically modified. After the task is completed, verify the tiering policy settings for the HDT volumes.	*Cause* - *Action* After the task is completed, verify the tiering policy settings for the HDT volumes.
KAIC15492-E	The History Report dialog box cannot be opened. The selected resource is not managed at the launch destination.	*Cause* - *Action* The selected resource is not managed at the launch destination.
KAIC15493-I	The specified number of LUN paths exceeds the number of ports on the host (*host-name*) or storage system. The number of paths displayed in the LUN Paths table is equal to the number of ports on the host or storage system. Edit the paths as appropriate.	*Cause* - *Action* Edit the paths as appropriate.
KAIC15494-E	Logical group(*logical-group-name*) is a folder. Select a volume or host logical group.	*Cause* - *Action* Select a volume or host logical group.
KAIC15495-E	Name of monitoring schedule template (*template-name*) is already used. Change name and try again.	*Cause* - *Action* Change name and try again.
KAIC15496-E	Failed in applying the monitoring schedule template (*template-name*). Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.	*Cause* - *Action* Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.
KAIC15497-E	You cannot execute this operation on pools that belong to multiple storage systems. Specify pools	*Cause* - *Action*

Message ID	Message Text	Description
	that belong to the same storage system.	Specify pools that belong to the same storage system.
KAIC15499-E	You cannot execute this operation because the microcode version of the storage system (*storage-system-names*) is earlier than 70-02-00-00/00. Update the microcode version to 70-02-00-00/00 or later.	*Cause* - *Action* Update the microcode version to 70-02-00-00/00 or later.
KAIC15500-E	You cannot execute this operation on the pool(s) (*pool-ids*) because they are not HDT pool(s). Specify only HDT pool(s).	*Cause* - *Action* Specify only HDT pool(s).
KAIC15501-E	You cannot execute this operation for HDT pools (*pool-IDs*) for which tier management is not set to manual. Set the tier management of the HDT pools to manual.	*Cause* - *Action* Set the tier management of the HDT pools to manual.
KAIC15502-E	You cannot execute this operation on pools (*pool-IDs*) that consist of a single hardware tier. Specify pools that consist of at least two hardware tiers.	*Cause* - *Action* Specify pools that consist of at least two hardware tiers.
KAIC15503-E	The operation failed for the pools(*pool-IDs*). Check the task details for each pool.	*Cause* - *Action* Check the task details for each pool.
KAIC15504-E	The tiering policy cannot be edited because DP volumes exist in multiple HDT pools. Verify the selected volumes, and edit the tiering policy again.	*Cause* - *Action* Verify the selected volumes, and edit the tiering policy again.
KAIC15505-E	The tiering policy cannot be edited because selected logical group does not include any DP volumes that are in a HDT pool. Verify the selected logical group, and edit the tiering policy again.	*Cause* - *Action* Verify the selected logical group, and edit the tiering policy again.
KAIC15506-E	The capacity value is outside the valid range. Specify a capacity that is no more than *maximum-capacity*.	*Cause* - *Action* Specify a capacity that is no more than *maximum-capacity*.

Message ID	Message Text	Description
KAIC15507-E	Execution of the task failed for the following reason. (*message*) Make sure that pool configurations were not changed. If necessary, run the edit tiering policy task again. To modify the new page assignment tier or the relocation priority, use the ModifyVirtualVolume command of the Device Manager CLI.	*Cause* - *Action* Make sure that pool configurations were not changed. If necessary, run the edit tiering policy task again. To modify the new page assignment tier or the relocation priority, use the `ModifyVirtualVolume` command of the Device Manager CLI.
KAIC15508-E	The paths assigned to the storage ports with LUN security disabled "*ports*" cannot be edited. Select other volumes.	*Cause* - *Action* Select other volumes.
KAIC15509-E	The specified monitoring schedule template is already deleted.	*Cause* - *Action* -
KAIC15510-E	A template with the specified name already exists. Enter a unique template name.	*Cause* - *Action* Enter a unique template name.
KAIC15511-E	The volume cannot be created. The subscription of the pool will exceed the limit if a volume with the specified capacity is created. Reduce the capacity of the volume to be created, or change the subscription limit of the pool.	*Cause* The subscription of the pool will exceed the limit if a volume with the specified capacity is created. *Action* Reduce the capacity of the volume to be created, or change the subscription limit of the pool.
KAIC15512-E	Monitoring or volume relocation cannot be stopped. Delete the monitoring schedule template (template name = *template-name*) again. (maintenance information = *exception*)	*Cause* - *Action* Delete the monitoring schedule template(template name=*template-name*) again.
KAIC15513-E	The monitoring or relocation cannot be stopped. Check the Tier Management column in the DP Pool list, and then stop monitoring or volume relocation for pool *template-name*. (maintenance information = *exception*)	*Cause* - *Action* Check the Tier Management column in the DP Pool list, and then stop monitoring or volume relocation for pool *template-name*.

Message ID	Message Text	Description
KAIC15514-E	Too many volumes meet the conditions. (number of items = *number-of-item*, limit = *upper-limit*) Revise the conditions so that fewer volumes meet them.	*Cause* - *Action* Revise the conditions so that fewer volumes meet them.
KAIC15515-I	No performance data is available for the specified period. (host names = *host-names*)	*Cause* - *Action* -
KAIC15516-E	*product-name* is not monitoring the specified storage system. Make sure that *product-name* is monitoring the specified storage system, and then retry the operation.	*Cause* - *Action* Make sure that *product-name* is monitoring the specified storage system, and then retry the operation.
KAIC15517-I	No performance data has the specified duration.	*Cause* - *Action* -
KAIC15518-E	The file server or NAS module was not found. The file server or NAS module might have been deleted. Redisplay the list of file servers, and verify that the file server exists.	*Cause* The file server or NAS module might have been deleted. *Action* Redisplay the list of file servers, and verify that the file server exists.
KAIC15519-E	The file system was not found. The file system might have been deleted. Redisplay the list of file systems, and verify that the file system exists.	*Cause* The file system might have been deleted. *Action* Redisplay the list of file systems, and verify that the file system exists.
KAIC15520-E	The share was not found. The share might have been deleted. Redisplay the list of shares, and verify that the share exists.	*Cause* The share might have been deleted. *Action* Redisplay the list of shares, and verify that the share exists.
KAIC15521-E	The maximum number of volumes that can compose a LUSE is *max-number-of-volumes*. Reduce the	*Cause* - *Action*

Message ID	Message Text	Description
	number of volumes to no more than *max-number-of-volumes*.	Reduce the number of volumes to no more than *max-number-of-volumes*.
KAIC15522-E	The LUSE cannot exceed *max-number-of-volumes* volumes. Reduce the number of volumes so that the LUSE size does not exceed *max-number-of-volumes* volumes.	*Cause* - *Action* Reduce the number of volumes so that the LUSE size does not exceed *max-number-of-volumes* volumes.
KAIC15523-E	Unable to open the Manage File Servers window. The file server management software URL settings may be incorrect. Confirm that the same IP address (host name) as the Hitachi Command Suite management server is set for the URL.	*Cause* The file server management software URL settings may be incorrect. *Action* Confirm that the same IP address (host name) as the Hitachi Command Suite management server is set for the URL.
KAIC15524-E	This file server management software version does not support startup from Device Manager. Verify the file server management software version.	*Cause* - *Action* Verify the file server management software version.
KAIC15525-E	You do not have appropriate Manage File Servers window permissions. Open the window with the required permissions for the file server management software.	*Cause* - *Action* Open the window with the required permissions for the file server management software.
KAIC15526-E	The specified parity group number (*parity-group-number*) is already being used by another parity group or a DP pool. Specify a different parity group number.	*Cause* - *Action* Specify a different parity group number.
KAIC15527-E	Cannot create the parity group. Storage systems are not available for creating parity groups.	*Cause* Storage systems are not available for creating parity groups. *Action* -
KAIC15528-E	Cannot create the parity group. The number of parity groups has reached the limit. (max. = *max-number-of-parity-groups*)	*Cause* The number of parity groups has reached the limit. (max. = *max-number-of-parity-groups*) *Action*

Message ID	Message Text	Description
		-
KAIC15529-E	Cannot create the parity group. The number of drives needed to create a parity group is not large enough. Add drives so that at least two drives have the same Drive Type, Drive Speed, Form Factor, and Capacity.	*Cause* The number of drives needed to create a parity group is not large enough. *Action* Add drives so that at least two drives have the same Drive Type, Drive Speed, Form Factor, and Capacity.
KAIC15530-E	The specified parity group number must be larger. Specify *number-of-parity-groups* parity group numbers.	*Cause* - *Action* Specify *number-of-parity-groups* parity group numbers.
KAIC15531-E	You do not have the drive combination to create a parity group. Add drives.	*Cause* - *Action* Add drives.
KAIC15532-E	Unable to create parity group. (parity group = *parity-group-numbers*) Check the task details for each parity group.	*Cause* - *Action* Check the task details for each parity group.
KAIC15533-E	The parity group cannot be deleted. The specified parity group (*parity-group*) is missing. Refresh the storage system information.	*Cause* The specified parity group (*parity-group*) is missing. *Action* Refresh the storage system information.
KAIC15534-E	A parity group in the storage system (*storage-system-name*) cannot be deleted.	*Cause* - *Action* -
KAIC15535-E	The parity group cannot be deleted. Parity groups in different storage systems cannot be deleted at the same time. (specified storage system = *storage-system-name*) Specify parity groups in the same storage system.	*Cause* Parity groups in different storage systems cannot be deleted at the same time. (specified storage system = *storage-system-name*) *Action* Specify parity groups in the same storage system.

Message ID	Message Text	Description
KAIC15536-E	The parity group cannot be deleted. A parity group that contains allocated volumes cannot be deleted. (parity group = *parity-group*) Unallocate the allocated volumes.	*Cause* A parity group that contains allocated volumes cannot be deleted. (parity group = *parity-group*) *Action* Unallocate the allocated volumes.
KAIC15537-E	The parity group cannot be deleted. A parity group that belongs to a DP pool cannot be deleted. (parity group = *parity-group*) Delete or shrink pools.	*Cause* A parity group that belongs to a DP pool cannot be deleted. (parity group = *parity-group*) *Action* Delete or shrink pools.
KAIC15538-E	The parity group cannot be deleted. You do not have permission to delete the parity group. (parity group = *parity-group*) Perform the operation as a user with the required permissions.	*Cause* You do not have permission to delete the parity group. (parity group = *parity group*) *Action* Perform the operation as a user with the required permissions.
KAIC15539-E	The parity group (*parity-group*) is in use by another task. Retry the operation after the other task using the parity group is complete.	*Cause* - *Action* Retry the operation after the other task using the parity group is complete.
KAIC15540-W	The specified parity group (*parity-group*) contains volumes. If you delete this parity group, volume data is deleted and cannot be recovered.	*Cause* - *Action* -
KAIC15541-E	The parity group cannot be deleted. The specified parity group (*parity-group*) contains a command device.	*Cause* The specified parity group (*parity-group*) contains a command device. *Action* -
KAIC15542-E	The parity group cannot be deleted. The specified parity group (*parity group*) contains a DMLU. Select another parity group.	*Cause* The specified parity group (*parity-group*) contains a DMLU. *Action* Select another parity group.
KAIC15543-E	The parity group cannot be deleted. The specified parity group (*parity-group*) contains a paired	*Cause*

Message ID	Message Text	Description
	LU. (LU pair name = *LU-pair-name*) Verify the volumes.	The specified parity group (*parity-group*) contains a paired LU. (LU pair name = *LU-pair-name*) *Action* Verify the volumes.
KAIC15544-E	The parity group cannot be deleted. (parity group = *parity-group-numbers*) Check the task details for each parity group.	*Cause* - *Action* Check the task details for each parity group.
KAIC15545-E	Unable to obtain URL information to start file server management. A file server that does not support this operation may have been selected. Make sure the model supports this kind of operation.	*Cause* A file server that does not support this operation may have been selected. *Action* Make sure the model supports this kind of operation.
KAIC15546-E	Unallocated volumes cannot be expanded. Allocate the volumes and retry.	*Cause* - *Action* Allocate the volumes and retry.
KAIC15547-E	The microcode version of this storage system does not support LUSE operations on allocated volumes. Update the storage system microcode to the latest version.	*Cause* - *Action* Update the storage system microcode to the latest version.
KAIC15548-E	A volume used as a command device cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15549-E	A volume used as a copy pair volume cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15550-E	Neither a pool volume nor a DP volume can be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15551-E	A volume whose volume attribute is GUARD cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.

Message ID	Message Text	Description
KAIC15552-E	A volume whose volume attribute is POOL cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15553-E	A volume whose access attribute is Read/Write cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15554-E	A volume reserved as a migration volume cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15555-E	A volume used as a system disk cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15556-E	A volume used as an on-demand device cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15557-E	A volume used as a journal volume cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15558-E	A volume used as a quorum disk cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15559-E	A volume whose raid level is RAID 0 cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15560-E	An unformatted volume cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15561-E	A volume assigned to a host storage domain whose host mode is "VMware" cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.

Message ID	Message Text	Description
KAIC15562-E	A volume assigned to a host storage domain whose host mode is Windows cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15563-E	LUSE volumes must be allocated to hosts running on Windows (host mode 2C); VMware (host mode 21); AIX. The path host mode is (*host-mode*). Specify another volume. For Windows set the path host mode to 2C (Windows Extension). For VMware, set the path host mode to 21 (VMware Extension).	*Cause* The path host mode is (*host-mode*). *Action* Specify another volume. For Windows set the path host mode to 2C (Windows Extension). For VMware, set the path host mode to 21 (VMware Extension).
KAIC15564-E	LUSE volumes must be allocated to hosts running on Windows (host mode 2C); AIX. The path host mode is (*host-mode*). Specify another volume. For Windows set the path host mode to 2C (Windows Extension).	*Cause* The path host mode is (*host-mode*). *Action* Specify another volume. For Windows set the path host mode to 2C (Windows Extension).
KAIC15565-E	LUSE volumes must be allocated to hosts running on Windows 2000 (host mode 2C); AIX 5.2. The path host mode is (*host-mode*). Specify another volume. For Windows 2000 set the path host mode to 2C (Windows Extension).	*Cause* The path host mode is (*host-mode*). *Action* Specify another volume. For Windows 2000 set the path host mode to 2C (Windows Extension).
KAIC15566-E	A LUSE whose access attribute is not Read/Write cannot be released. Change the access attribute and retry.	*Cause* - *Action* Change the access attribute and retry.
KAIC15567-E	An allocated LUSE cannot be released. Unallocate the LUSE and retry.	*Cause* - *Action* Unallocate the LUSE and retry.
KAIC15568-W	Volumes with multiple external storage systems or unknown external storage systems are specified. A LUSE composed of multiple external storage systems is not recommended. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15569-E	The parity group cannot be created. The maximum number of parity groups is *upper-limit*.	*Cause*

Message ID	Message Text	Description
	Specify a number less than *upper-limit*.	The maximum number of parity groups is *upper-limit*. *Action* Specify a number less than *upper-limit*.
KAIC15570-E	Volumes contained in parity group (*parity-group*) are currently in use by another task. Retry the operation after the other task using the parity group is complete.	*Cause* - *Action* Retry the operation after the other task using the parity group is complete.
KAIC15571-E	Selected volume (*ldev-id*) is not a LUSE. Please select LUSE.	*Cause* - *Action* Please select LUSE.
KAIC15572-E	Element Manager cannot start. Specify the Element Manager URL using the AddURLLink command of the Device Manager CLI.	*Cause* - *Action* Specify the Element Manager URL using the `AddURLLink` command of the Device Manager CLI.
KAIC15573-E	The parity group cannot be deleted. The specified parity group (*parity-group*) contains the pool volume *LU-pool-name*. Verify the volumes.	*Cause* The specified parity group (*parity-group*) contains the pool volume *LU-pool-name*. *Action* Verify the volumes.
KAIC15574-E	The parity group cannot be deleted. The specified parity group (*parity-group*) contains volumes that share a LUSE configuration with volumes from another parity group. Verify the volumes.	*Cause* The specified parity group (*parity-group*) contains volumes that share a LUSE configuration with volumes from another parity group. *Action* Verify the volumes.
KAIC15575-E	The parity group cannot be created. The information for drives contained in storage systems is not up to date. Refresh the storage system information.	*Cause* The information for drives contained in storage systems is not up to date. *Action* Refresh the storage system information.
KAIC15576-E	Unallocation cannot be performed because only some of the volumes	*Cause* Host "*host*" is also in target iSCSI target "*iscsi-target*".

Message ID	Message Text	Description
	in the iSCSI Target are specified. Host "*host*" is also in target iSCSI target "*iscsi-target*". Select all hosts in this iSCSI target or select the remaining volumes (*volume*) allocated to the iSCSI target, and unallocate again. If you do not have permission for the remaining volumes, contact your system administrator.	*Action* Select all hosts in this iSCSI target or select the remaining volumes (*volume*) allocated to the iSCSI target, and unallocate again. If you do not have permission for the remaining volumes, contact your system administrator.
KAIC15577-E	Unallocation cannot be performed because only some of the volumes in the host group or iSCSI target are specified. Host "*host*" is also in target host group "*host-group*" or iSCSI target "*iscsi-target*". Select all hosts associated with the host group, not just the host you want to allocate volumes from, or unallocate all volumes allocated to the host group (*host-group*) or iSCSI target (*iscsi-target*). If you do not have permission to unallocate the volumes (*volume*), contact the system administrator.	*Cause* Host "*host*" is also in target host group "*host-group*" or iSCSI target "*iscsi-target*". *Action* Select all hosts associated with the host group, not just the host you want to allocate volumes from, or unallocate all volumes allocated to the host group (*host-group*) or iSCSI target (*iscsi-target*). If you do not have permission to unallocate the volumes (*volume*), contact the system administrator.
KAIC15586-I	iSCSI target "*host-group*" includes iSCSI name "*host-port*" and is not recognized by host "*host*". Volumes allocated to this iSCSI are unallocated when this operation is performed.	*Cause* - *Action* -
KAIC15587-I	Host group "*host-group*" includes Host Port "*host-port-of-host-group*" and iSCSI target "*iscsi-target*" includes Host Port "*host-port-of-iSCSI-target*" and is not recognized by host "*host*". Volumes allocated to this Host Port are unallocated when this operation is performed.	*Cause* - *Action* -
KAIC15588-E	The pool volume cannot be formatted. (LDEV ID:*ldev-id*) The volume may have been deleted. Refresh the storage system and confirm the resource.	*Cause* The volume may have been deleted. *Action* Refresh the storage system and confirm the resource.
KAIC15589-E	The pool volume cannot be formatted. (LDEV ID:*ldev-id*) The pool volume cannot be formatted or the volume status has changed. Refresh the storage system and confirm the resource.	*Cause* The pool volume cannot be formatted or the volume status has changed. *Action*

Message ID	Message Text	Description
		Refresh the storage system and confirm the resource.
KAIC15590-E	A mainframe volume cannot be specified for a LUSE. Specify another volume.	*Cause* - *Action* Specify another volume.
KAIC15591-E	The "Allocate Like Volumes" operation cannot be performed because the referenced volume (*ldev-id*) is allocated to both a host and a port for which security is disabled. Select a volume that is allocated only to a host or to a port for which security is disabled.	*Cause* - *Action* Select a volume that is allocated only to a host or to a port for which security is disabled.
KAIC15592-E	The "Allocate Like Volumes" operation cannot be performed because the referenced volume (*ldev-id*) is not allocated to any hosts. Select a volume allocated to hosts.	*Cause* - *Action* Select a volume allocated to hosts.
KAIC15594-W	The iSCSI names "*iSCSI-name*", which belong to an unknown host, are allocated to the iSCSI target. Changing the allocation of volumes will affect these iSCSI names.	*Cause* - *Action* -
KAIC15595-I	When a host port is added, other volumes that belong to the iSCSI target are visible from the host.	*Cause* - *Action* -
KAIC15596-E	The "Allocate Like Volumes" operation cannot be performed from a volume (*ldev-id*) allocated to a host not managed by Device Manager. Add the host as a management target, and then retry the operation.	*Cause* - *Action* Add the host as a management target, and then retry the operation.
KAIC15597-W	Only some of the file servers in a cluster are selected for the allocation destinations of the volumes. Confirm whether the file server is in a cluster, and if necessary, add the other file server to the allocation destinations.	*Cause* - *Action* Confirm whether the file server is in a cluster, and if necessary, add the other file server to the allocation destinations.
KAIC15598-W	Both a file server and a host that is not a file server are selected as the allocation destinations for the volumes. Confirm the allocation	*Cause* - *Action*

Message ID	Message Text	Description
	destinations, and if necessary, change them.	Confirm the allocation destinations, and if necessary, change them.
KAIC15599-W	File servers in different clusters might be selected for the allocation destinations of the volumes. Confirm the allocation destinations, and if necessary, change them.	*Cause* - *Action* Confirm the allocation destinations, and if necessary, change them.
KAIC15600-E	Tuning Manager is not monitoring the storage system or the storage system information may not be updated. Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* - *Action* Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC15601-W	No data has been collected from Tuning Manager. Verify whether Tuning Manager is monitoring storage systems and refresh storage systems.	*Cause* - *Action* Verify whether Tuning Manager is monitoring storage systems and refresh storage systems.
KAIC15602-E	Unable to collect data from Tuning Manager. Verify whether Tuning Manager is monitoring storage systems and refresh storage systems.	*Cause* - *Action* Verify whether Tuning Manager is monitoring storage systems and refresh storage systems.
KAIC15603-E	Storage system information may not be updated. Verify whether Tuning Manager is monitoring storage systems and refresh storage systems.	*Cause* - *Action* Verify whether Tuning Manager is monitoring storage systems and refresh storage systems.
KAIC15604-W	No data has been collected from Tuning Manager for storage systems that belong to resources that are targets for analysis. Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)
KAIC15605-E	Data collection from Tuning Manager has failed for storage systems that belong to resources that are targets for analysis. Verify that Tuning Manager is monitoring	*Cause* - *Action*

Message ID	Message Text	Description
	the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)	Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)
KAIC15606-E	The information of storage systems that belong to resources that are targets for analysis might not be updated. Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)
KAIC15607-W	The information of storage systems that belong to resources that are targets for analysis might not be updated. Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)
KAIC15608-W	The storage systems that belong to the selected resources may not be monitored by Tuning Manager. Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* - *Action* Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC15609-W	Some information of storage systems that belong to resources that are targets for analysis might not be updated. Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)
KAIC15610-E	No more unused LUNs exist. The number of unused LUNs within the specified range in iSCSI target (*iSCSI-target-name*) of port (*port-display-name*) is *count-of-unused-LUNs-in-range*. Revise LU Number(hex) start from, or select a different port.	*Cause* The number of unused LUNs within the specified range in iSCSI target (*iSCSI-target-name*) of port (*port-display-name*) is *count-of-unused-LUNs-in-range*. *Action* Revise LU Number(hex) start from, or select a different port.
KAIC15611-E	Allocate Like Volumes cannot be performed with volumes allocated to LUN security off ports by iSCSI. Only select volumes allocated to	*Cause* - *Action*

Message ID	Message Text	Description
	hosts, or volumes allocated to LUN security off ports by FC.	Only select volumes allocated to hosts, or volumes allocated to LUN security off ports by FC.
KAIC15612-E	Operations cannot be performed for the specified volumes "*ldev-id*" because they are in different host groups/iSCSI target "*host-group/iSCSI-target-name*". Specify only the volume that belongs to the same host group/iSCSI target.	*Cause* - *Action* Specify only the volume that belongs to the same host group/iSCSI target.
KAIC15613-E	Paths are not assigned to the selected volumes. Hosts are not assigned to the host groups/iSCSI targets (*host-group/iSCSI-target-name*) that the volumes belong to. Select volumes allocated to hosts.	*Cause* - *Action* Select volumes allocated to hosts.
KAIC15614-E	Paths are not assigned to the selected volumes (*ldev-id*). The volumes are not assigned to any host groups/iSCSI targets. Select volumes allocated to hosts.	*Cause* - *Action* Select volumes allocated to hosts.
KAIC15615-E	Unable to collect Tuning Manager data. (host name = *host-name*, protocol = *protocol*, port number = *port-number*) Contact Support.	*Cause* - *Action* Contact Support.
KAIC15616-W	There is no Tuning Manager data. (resource name = *resource-name*, metric name(s) = *metric-name(s)*, agent name(s) = *agent name(s)*) Verify the Tuning Manager agent status.	*Cause* - *Action* Verify the Tuning Manager agent status.
KAIC15617-E	Unable to collect Tuning Manager data. Device Manager does not support the agent and the agent data model. (resource name = *resource-name*, metric name(s) = *metric-name(s)*, agent name(s) = *agent name(s)*) See the Tuning Manager manual, and check the agent versions and the agent data models that are supported by Device Manager for collecting data.	*Cause* - *Action* See the Tuning Manager manual, and check the agent versions and the agent data models that are supported by Device Manager for collecting data.
KAIC15618-E	Unable to collect Tuning Manager data. (resource name = *resource-name*, metric name(s) = *metric-name(s)*, agent name(s) = *agent name(s)*) Ensure Tuning Manager is connected to the agent. Ensure the Tuning Manager server is started. If this problem continues,	*Cause* - *Action* Ensure Tuning Manager is connected to the agent. Ensure the Tuning Manager server is started. If this problem continues,

Message ID	Message Text	Description
	collect the error information and contact Support.	collect the error information and contact Support.
KAIC15619-E	Unable to collect Tuning Manager data. (config file = *configuration-file-name*) Ensure the config file exists. Ensure you have access permissions for the config file. Ensure the file contents are valid. If this problem continues, contact Support.	*Cause* - *Action* Ensure the config file exists. Ensure you have access permissions for the config file. Ensure the file contents are valid. If this problem continues, contact Support.
KAIC15620-E	Unable to collect Tuning Manager data. Another process is collecting data. Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.	*Cause* - *Action* Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.
KAIC15621-E	Unable to collect Tuning Manager data. A connection from the Tuning Manager server to the agent cannot be established. (host name = *host-name*, agent name = *agent-name*) Ensure Tuning Manager server is connected to the agent. Ensure the Tuning Manager server is started. If this problem continues, collect the error information and contact Support.	*Cause* - *Action* Ensure Tuning Manager server is connected to the agent. Ensure the Tuning Manager server is started. If this problem continues, collect the error information and contact Support.
KAIC15622-E	Tuning Manager memory is insufficient for data collection. (host name = *host-name*) Ensure that "blockTransferMode=true" is specified in the config file (configforclient.xml). If necessary, see the Tuning Manager manual. If this problem continues, contact Support.	*Cause* - *Action* Ensure that "blockTransferMode=true" is specified in the config file (`configforclient.xml`). If necessary, see the Tuning Manager manual. If this problem continues, contact Support.
KAIC15623-E	No volumes are available for analysis. All the volumes are selected from the storage systems not supported by this function. Close the dialog box, and select the different volumes.	*Cause* All the volumes are selected from the storage systems not supported by this function. *Action* Close the dialog box, and select the different volumes.
KAIC15624-W	*number-of-ignored-volumes* of the volumes are ignored because they are selected from the storage	*Cause* -

Message ID	Message Text	Description
	systems not supported by this function.	*Action* -
KAIC15625-E	The selected resource contains no volume. Select a resource that contains some volumes and try again.	*Cause* - *Action* Select a resource that contains some volumes and try again.
KAIC15626-E	The data collection was cancelled. Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.	*Cause* - *Action* Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.
KAIC15627-W	LUSE volume data may be lost if this operation is performed on a volume allocated to a host not running on: Windows (host mode 2C); VMware (host mode 21); AIX. The path host mode is (*host-mode*). Specify another volume. For Windows set the path host mode to 2C (Windows Extension). For VMware, set the path host mode to 21 (VMware Extension). For other OSs, back up the volumes.	*Cause* The path host mode is (*host-mode*). *Action* Specify another volume. For Windows set the path host mode to 2C (Windows Extension). For VMware, set the path host mode to 21 (VMware Extension). For other OSs, back up the volumes.
KAIC15628-W	LUSE volume data may be lost if this operation is performed on a volume allocated to a host not running on: Windows (host mode 2C); AIX. The path host mode is (*host-mode*). Specify another volume. For Windows set the path host mode to 2C (Windows Extension). For other OSs, back up the volumes.	*Cause* The path host mode is (*host-mode*). *Action* Specify another volume. For Windows set the path host mode to 2C (Windows Extension). For other OSs, back up the volumes.
KAIC15629-W	LUSE volume data may be lost if this operation is performed on a volume allocated to a host not running on: Windows 2000 (host mode 2C); AIX 5.2. The path host mode is (*host-mode*). Specify another volume. For Windows 2000 set the path host mode to 2C (Windows Extension). For other OSs, back up the volumes.	*Cause* The path host mode is (*host-mode*). *Action* Specify another volume. For Windows 2000 set the path host mode to 2C (Windows Extension). For other OSs, back up the volumes.
KAIC15630-E	Unable to collect Tuning Manager data. (resource name = *resource-name*, metric name(s) = *metric-*	*Cause* - *Action*

Message ID	Message Text	Description
	name(s), host name(s) = *host-name(s)*) Contact Support.	Contact Support.
KAIC15631-W	If a LUSE contains volumes with different CLPRs, the LUSE cannot be used as a copy pair volume.	*Cause* - *Action* -
KAIC15632-W	LUSE volume data may be lost if this operation is performed on a volume allocated to a file server, external port, or mainframe host. Back up the volumes.	*Cause* - *Action* Back up the volumes.
KAIC15633-E	Unable to collect Tuning Manager data. (resource name = *resource-name*, metric name(s) = *metric-name(s)*, cause = *cause*) See the cause message.	*Cause* - *Action* See the cause message.
KAIC15634-E	Volume(*ldev-id*) is allocated to unsecured ports using security enabled host groups. When selecting volumes allocated to unsecure ports, verify they are allocated to unsecured host groups.	*Cause* - *Action* When selecting volumes allocated to unsecure ports, verify they are allocated to unsecured host groups.
KAIC15635-E	Volume(*ldev-id*) is allocated to hosts using unsecured host groups. When selecting volumes allocated to hosts, verify they are allocated to security enabled host groups.	*Cause* - *Action* When selecting volumes allocated to hosts, verify they are allocated to security enabled host groups.
KAIC15636-W	When this operation is performed, the data of the component volumes may disappear. Back up the volumes.	*Cause* - *Action* Back up the volumes.
KAIC15637-E	The pool cannot be relocated. (pool ID = *Pool-ID*) There is no monitoring information for the pool.	*Cause* There is no monitoring information for the pool. *Action* -
KAIC15638-E	The pool cannot be relocated. (pool ID = *Pool-ID*) Monitoring information calculations not completed. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you	*Cause* Monitoring information calculations not completed. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact

Message ID	Message Text	Description
	to collect troubleshooting information.	Support Center, who may ask you to collect troubleshooting information.
KAIC15639-E	You cannot delete all pool volumes comprising a pool. At least one pool volume must remain after shrinking the pool.	*Cause* - *Action* At least one pool volume must remain after shrinking the pool.
KAIC15640-E	Relocation cannot be executed. To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIC15641-E	Selected resource contains too many volumes. Resources containing more than *max-number-of-volumes* volumes cannot be analyzed. Create a new logical group that contains less than *max-number-of-volumes* volumes or manually select less than *max-number-of-volumes* volumes, and try again.	*Cause* Resources containing more than *max-number-of-volumes* volumes cannot be analyzed. *Action* Create a new logical group that contains less than *max-number-of-volumes* volumes or manually select less than *max-number-of-volumes* volumes, and try again.
KAIC15642-W	Selected resource contains many volume and may slow down the system.	*Cause* - *Action* -
KAIC15643-E	A pool that consists of a single hardware tier cannot be relocated. (pool ID = *Pool-ID*)	*Cause* - *Action* -
KAIC15644-W	Host synchronization was successful. Refresh the host manually to acquire the host configuration.	*Cause* - *Action* -
KAIC15645-E	Migration failed. The storage system stopped the migration. Verify whether the access load from the host to the storage system is high and the configurations for the source and target volumes have been	*Cause* The storage system stopped the migration. *Action* Verify whether the access load from the host to the storage

Message ID	Message Text	Description
	modified. For pairs that are migrated, perform shredding and zero page reclaim if necessary.	system is high and the configurations for the source and target volumes have been modified. For pairs that are migrated, perform shredding and zero page reclaim if necessary.
KAIC15646-E	Unable to obtain migration progress. The migration pair may have been released. When the task completes, refresh the storage system and verify the volume information. If necessary, try again. For pairs that are migrated, perform shredding and zero page reclaim if necessary.	*Cause* The migration pair may have been released. *Action* When the task completes, refresh the storage system and verify the volume information. If necessary, try again. For pairs that are migrated, perform shredding and zero page reclaim if necessary.
KAIC15647-E	Migration failed. An unexpected status was detected. (maintenance information = subtask ID: *subtaskid*, status: *status*) When the task completes, refresh the storage system and verify the volume information. If necessary, try again. For pairs that are migrated, perform shredding and zero page reclaim if necessary.	*Cause* An unexpected status was detected. (maintenance information = subtask ID: *subtaskid*, status: *status*) *Action* When the task completes, refresh the storage system and verify the volume information. If necessary, try again. For pairs that are migrated, perform shredding and zero page reclaim if necessary.
KAIC15648-E	Unable to communicate with file server management. (maintenance information = *message*) Refer to the message displayed in the maintenance information, and resolve the problem. Then use the file server management software to refresh the file server. After that, select allocated volumes from the list of volumes in the File Servers view, and try to create the file system again.	*Cause* - *Action* Refer to the message displayed in the maintenance information, and resolve the problem. Then use the file server management software to refresh the file server. After that, select allocated volumes from the list of volumes in the File Servers view, and try to create the file system again.
KAIC15649-E	Creation of a file system failed. (maintenance information = *message*) Refer to the message displayed in the maintenance information, and resolve the problem. Then use the file server management software to refresh the file server. After that, select allocated volumes from the list of volumes in the File Servers view,	*Cause* - *Action* Refer to the message displayed in the maintenance information, and resolve the problem. Then use the file server management software to refresh the file server. After that, select allocated volumes from the list of volumes in the File

Message ID	Message Text	Description
	and try to create the file system again.	Servers view, and try to create the file system again.
KAIC15650-E	Add of a share failed. (export points = *share-name*) Check the task details for each share.	*Cause* - *Action* Check the task details for each share.
KAIC15651-E	An attempt to add a share failed. (maintenance information = *message*) Check the details of all share directory tasks, and resolve the problem. Then use the NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module. After that, select the file system to which a share failed to be added, and try to add a share again. Use the NAS Manager or Hitachi File Services Manager to configure File snapshots, as necessary.	*Cause* - *Action* Check the details of all share directory tasks, and resolve the problem. Then use the NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module. After that, select the file system to which a share failed to be added, and try to add a share again. Use the NAS Manager or Hitachi File Services Manager to configure File snapshots, as necessary.
KAIC15652-E	File snapshots setup failed. (maintenance information = *message*) Refer to the message displayed in the maintenance information, and resolve the problem. Then use the NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module. After that, select the desired file system from the NAS Manager or Hitachi File Services Manager, and then configure File snapshots.	*Cause* - *Action* Refer to the message displayed in the maintenance information, and resolve the problem. Then use the NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module. After that, select the desired file system from the NAS Manager or Hitachi File Services Manager, and then configure File snapshots.
KAIC15653-E	Enter an auto commit time.	*Cause* - *Action* -
KAIC15654-E	An invalid character was used in the NFS share host name. The following characters are valid: A-Z, a-z, 0-9, '-', '_', '.', '/', '*', '@'. Also, an NFS share host name has the following restrictions: (1) The name cannot start with a hyphen. (2) Asterisks cannot be combined with other characters. (3) The at sign can only be used for netgroup	*Cause* - *Action* Enter a valid NFS share host name.

Message ID	Message Text	Description
	names. Enter a valid NFS share host name.	
KAIC15655-E	Enter a file system capacity that is *capacity* or less.	*Cause* - *Action* -
KAIC15656-E	Enter a file system capacity that is *capacity* or more.	*Cause* - *Action* -
KAIC15657-E	Specify 0 or more.	*Cause* - *Action* -
KAIC15658-E	The specified file system name is already in use in the cluster. Specify a unique file system name.	*Cause* - *Action* Specify a unique file system name.
KAIC15659-E	Enter an auto commit time.	*Cause* - *Action* -
KAIC15660-E	Input CIFS share name is invalid. You can use the following characters: A-Z, a-z, 0-9, '!', '#', '$', '%', '&', '"', '(', ')', '+', ',', '-', '.', ';', '=', '@', '[', ']', '^', '_', '`', '*str1*', '*str2*', '~', ' ', multi-byte. In addition, Specification of a CIFS share name has the next restriction. (1) A character string cannot be used with only the dollar sign ('$') or only the period ('.'). (2) The period('.') or the dollar sign after the period('.$') cannot be used at the end of a character string. (3) These words cannot be specified: global, homes, printers, admin$, c$, global$, homes$, ipc$, printers$ Specify the CIFS share name again.	*Cause* - *Action* Specify the CIFS share name again.
KAIC15661-E	An invalid character was used in the NFS share host name, or the syntax of the IPv6 address is incorrect. The following characters are valid: A-Z a-z 0-9 - _ . / * @	*Cause* - *Action* Specify a valid NFS share hosts.

Message ID	Message Text	Description
	An NFS share host name has the following additional restrictions: (1) The name cannot start with a hyphen. (2) An asterisk cannot be combined with other characters. (3) The at sign can only be used in netgroup names. (4) The colon can only be used in IPv6 addresses. (5) To specify more than one host, separate the values with commas. Specify a valid NFS share hosts.	
KAIC15662-E	The specified value is outside the valid range. Specify an integer from *minimum* to *maximum*.	*Cause* - *Action* Specify an integer from *minimum* to *maximum*.
KAIC15663-E	Specify a value that is *min-length*-*max-length* characters long.	*Cause* - *Action* -
KAIC15664-E	An invalid character was used in the Directory. The following characters are valid: A-Z, a-z, 0-9, '-', '.', '/', '_'. Specify a valid Directory.	*Cause* - *Action* Specify a valid Directory.
KAIC15665-E	An invalid character was used in the Identifier. The following characters are valid: A-Z, a-z, 0-9, underscores (_). Specify a valid Identifier.	*Cause* - *Action* Specify a valid Identifier.
KAIC15666-E	The specified value is outside the valid range. Specify an integer from *minimum* minutes to *maximum* days.	*Cause* - *Action* Specify an integer from *minimum* minutes to *maximum* days.
KAIC15667-E	An invalid character was used in the File System Name. The following characters are valid: A-Z, a-z, 0-9, underscores (_). Specify a valid Identifier.	*Cause* - *Action* Specify a valid Identifier.
KAIC15668-E	Unable to find the other file server or NAS module within the cluster. The other file server or NAS module might be deleted. Cancel the operation and verify the resources.	*Cause* The other file server or NAS module might be deleted. *Action* Cancel the operation and verify the resources.
KAIC15669-I	The WORM settings are enabled.	*Cause*

Message ID	Message Text	Description
		- *Action* -
KAIC15670-E	An alternate path is not set for the selected volume. Select a volume where an alternate is set and retry.	*Cause* - *Action* Select a volume where an alternate is set and retry.
KAIC15671-E	A file system or File snapshots has already been created for the selected volume *ldev-id*. Select a volume where a file system or File snapshots does not exist and retry.	*Cause* - *Action* Select a volume where a file system or File snapshots does not exist and retry.
KAIC15672-E	A file system cannot be created for the selected volume *ldev-id*. (cause = *message*) Remove the cause of the file system creation failure and retry.	*Cause* - *Action* Remove the cause of the file system creation failure and retry.
KAIC15673-E	A different host group is assigned to a path to the selected volume *ldev-id*. Assign the same host group to the alternate path of the volume where the file system will be created and retry.	*Cause* - *Action* Assign the same host group to the alternate path of the volume where the file system will be created and retry.
KAIC15674-E	There is no View role for the selected volume *ldev-id*. Assign the View role to the selected volume and retry.	*Cause* - *Action* Assign the View role to the selected volume and retry.
KAIC15675-E	Specify a value.	*Cause* - *Action* -
KAIC15676-E	The following selected volumes cannot be used to create a file system because they are being used as command devices: "*ldev-id*" Select different volumes.	*Cause* - *Action* Select different volumes.
KAIC15677-E	The following selected volumes cannot be used to create a file system because the status of the	*Cause* - *Action*

Message ID	Message Text	Description
	volumes is not normal: "*ldev-id*" Select different volumes.	Select different volumes.
KAIC15678-E	The following selected volumes cannot be used to create a file system because the Protect or ReadOnly attribute is set: "*ldev-id*" Select different volumes.	*Cause* - *Action* Select different volumes.
KAIC15679-E	The following selected volumes cannot be used to create a file system because the capacity of the volumes is less than *mincapacity*: "*ldev-id*" Select different volumes.	*Cause* - *Action* Select different volumes.
KAIC15680-E	The selected volumes do not belong to the same storage system. Select volumes that belong to the same storage system.	*Cause* - *Action* Select volumes that belong to the same storage system.
KAIC15681-E	The following selected volumes cannot be used to create a file system because they are part of a copy pair: "*ldev-id*" Use different volumes.	*Cause* - *Action* Use different volumes.
KAIC15682-E	The following selected volumes cannot be used to create a file system because they are reserved for migration: "*ldev-id*" Use different volumes.	*Cause* - *Action* Use different volumes.
KAIC15683-E	The following selected volumes cannot be used to create a file system because they are already being used for a file system: "*ldev-id*" Use different volumes.	*Cause* - *Action* Use different volumes.
KAIC15684-E	One or more selected volumes cannot be used to create a file system because they are being used for another purpose. (purpose = *usage*) Use different volumes.	*Cause* - *Action* Use different volumes.
KAIC15686-E	The selected volumes cannot be used for a file system because the total capacity of the volumes must be at least *mintotalcapacity* and no more than *maxtotalcapacity*. Use different volumes.	*Cause* - *Action* Use different volumes.
KAIC15687-E	The selected volumes cannot be used for a file system snapshot because the total capacity of the volumes must be at least *mintotalcapacity* and no more than *maxtotalcapacity* or the number of	*Cause* - *Action* Select valid volumes.

Message ID	Message Text	Description
	volumes must be no more than 129. Select valid volumes.	
KAIC15688-E	The selected volumes are allocated to other file server is in a cluster or other hosts. select volumes is set path to the file server is in a cluster only.	*Cause* - *Action* select volumes is set path to the file server is in a cluster only.
KAIC15689-E	The path of an other file server within the cluster is not set for the selected volume. The path is not set for the selected volume. Set up path to The other file server.	*Cause* The path is not set for the selected volume. *Action* Set up path to The other file server.
KAIC15690-E	The deletion threshold is less then the warning threshold. The deletion threshold specify greater then the warning threshold.	*Cause* - *Action* The deletion threshold specify greater then the warning threshold.
KAIC15691-E	The same name (*share-name*) is already specified for export points. Specify a different export points.	*Cause* - *Action* Specify a different export points.
KAIC15692-E	The same name (*cifs-share-name*) is already specified for CIFS share names. Specify a different CIFS share names.	*Cause* - *Action* Specify a different CIFS share names.
KAIC15693-E	None of the selected volumes have the capacity necessary to create a file system. Select a volume with a capacity of *mincapacity* or more.	*Cause* - *Action* Select a volume with a capacity of *mincapacity* or more.
KAIC15694-E	The selected LU number (*lu-number*) cannot be used. When the file server model is HDI, HNAS F, or HVFP, an LU number exceeding *maximum-lu-number* cannot be used. Revise the LU number setting, or specify another port.	*Cause* When the file server model is HDI, HNAS F, or HVFP, an LU number exceeding *maximum-lu-number* cannot be used. *Action* Revise the LU number setting, or specify another port.
KAIC15695-E	The share capacity must be at least *mincapacity* and no more than *maxcapacity*.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC15696-E	An invalid character was used in the Directory. The following characters are valid: A-Z, a-z, 0-9, '!', '#', '$', '%', '&', '''', '(', ')', '+', ',', '-', '.', '/', ';', '=', '@', '[', ']', '^', '_', '`', '*str1*', '*str2*', '~', ' ', multi-byte. Specify a valid Directory.	*Cause* - *Action* Specify a valid Directory.
KAIC15697-E	The relocation settings for the volume data cannot be configured. There are no volumes in the HDT pools, or you do not have Modify permission. Revise the selected logical groups.	*Cause* There are no volumes in the HDT pools, or you do not have Modify permission. *Action* Revise the selected logical groups.
KAIC15698-E	The relocation settings for the volume data cannot be configured. The HDT pool volumes are not allocated to the selected hosts, or you do not have Modify permission. Revise the selected hosts.	*Cause* The HDT pool volumes are not allocated to the selected hosts, or you do not have Modify permission. *Action* Revise the selected hosts.
KAIC15699-E	The relocation settings for the volume data in the HDT pool cannot be configured. There are no volumes in the selected HDT pool, or you do not have Modify permission. Revise the selected pool.	*Cause* There are no volumes in the selected HDT pool, or you do not have Modify permission. *Action* Revise the selected pool.
KAIC15700-E	The relocation settings for the volume data cannot be configured. The selected volumes are not in any HDT pools, or you do not have Modify permission. Revise the selected DP volumes.	*Cause* The selected volumes are not in any HDT pools, or you do not have Modify permission. *Action* Revise the selected DP volumes.
KAIC15701-E	Unable to modify volume relocation settings. Refresh the storage system, and then verify whether the volume settings are changed. If the settings do not change, follow the storage system message to resolve the problem, and then retry the operation.	*Cause* - *Action* Refresh the storage system, and then verify whether the volume settings are changed. If the settings do not change, follow the storage system message to resolve the problem, and then retry the operation.
KAIC15702-E	The number of selected volumes is too large. Select *max-number-of-volumes* or fewer volumes, and then retry the operation.	*Cause* - *Action*

Message ID	Message Text	Description
		Select *max-number-of-volumes* or fewer volumes, and then retry the operation.
KAIC15703-E	The specified profile name (*snapshot-name*) cannot be used. The name of the profiles targeting the same logical group must be unique among each other. Enter a different name.	*Cause* The name of the profiles targeting the same logical group must be unique among each other. *Action* Enter a different name.
KAIC15704-E	Unable to create a profile for the logical group(*logical-group-name*). The selected logical group does not include DP volumes in HDT pools that are either in a storage system supported by this operation or that you have the required permissions for. Revise the logical group.	*Cause* The selected logical group does not include DP volumes in HDT pools that are either in a storage system supported by this operation or that you have the required permissions for. *Action* Revise the logical group.
KAIC15705-E	The storage pool was not found. The storage pool might have been deleted. Redisplay the list of storage pools, and verify that the storage pool exists.	*Cause* The storage pool might have been deleted. *Action* Redisplay the list of storage pools, and verify that the storage pool exists.
KAIC15706-E	The system drive was not found. The system drive might have been deleted, or the system drive information might not be up-to-date. Redisplay the list of system drives, and verify that the system drive exists. If the system drive exists, verify the system drive exists on the NAS Manager, and then synchronize the information on the NAS Platform and on the Device Manager server.	*Cause* The system drive might have been deleted, or the system drive information might not be up-to-date. *Action* Redisplay the list of system drives, and verify that the system drive exists. If the system drive exists, verify the system drive exists on the NAS Manager, and then synchronize the information on the NAS Platform and on the Device Manager server.
KAIC15707-W	The target host is a file server or NAS module . Check the existence of other file server or NAS module which configures a cluster with the target host. If necessary, the volume is unallocated from the file server or NAS module.	*Cause* - *Action* Check the existence of other file server or NAS module which configures a cluster with the target host. If necessary, the volume is unallocated from the file server or NAS module.

Message ID	Message Text	Description
KAIC15708-W	The file server is contained in selected unallocation destination for the volumes. Confirm whether the file server is in a cluster, and if necessary, change.	*Cause* - *Action* Confirm whether the file server is in a cluster, and if necessary, change.
KAIC15709-E	Specify the NFS share host name so that the following total is less than or equal to *maxbyte* bytes: the sum of the character string lengths of all host names and a fixed value of 5 bytes for each mount point.	*Cause* - *Action* -
KAIC15710-E	For each host, specify an NFS share host name that is *minimum*-*maximum* characters.	*Cause* - *Action* -
KAIC15711-E	A duplicate value is specified. Specify a value that does not duplicate another value.	*Cause* - *Action* Specify a value that does not duplicate another value.
KAIC15712-E	The selected profile cannot be found. The profile may have been deleted. Verify the profile status.	*Cause* The profile may have been deleted. *Action* Verify the profile status.
KAIC15713-E	This operation cannot be executed. DP volumes in the profile have changed. Close the Resource window and try again.	*Cause* DP volumes in the profile have changed. *Action* Close the Resource window and try again.
KAIC15714-E	The operation cannot be executed for the profile. DP volumes contained in the profile might have been deleted, or you do not have the Modify permission for the DP volumes. Revise the DP volumes contained in the profile.	*Cause* DP volumes contained in the profile might have been deleted, or you do not have the Modify permission for the DP volumes. *Action* Revise the DP volumes contained in the profile.
KAIC15715-E	The selected profile cannot be used because it failed to be updated. Please select a Data	*Cause* - *Action*

Message ID	Message Text	Description
	Placement Profile create or update is completed.	Please select a Data Placement Profile create or update is completed.
KAIC15716-E	The operation could not be executed for the profile. Refresh the storage system information and verify whether the settings have changed for the target volumes. If the settings have not changed, see the storage system messages, resolve the problem, and retry.	*Cause* - *Action* Refresh the storage system information and verify whether the settings have changed for the target volumes. If the settings have not changed, see the storage system messages, resolve the problem, and retry.
KAIC15717-E	The file server information may not be up-to-date. Refresh the file server by using the file server management software, and then try the operation again.	*Cause* - *Action* Refresh the file server by using the file server management software, and then try the operation again.
KAIC15718-W	Report information for some resources could not be collected from Tuning Manager. (storage system = *storage-system-name*) Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. Perform the health check again. The performance information of newly added resources will not be displayed in the reports until the day after they were added. Adjust the time period of analysis to include the day after the resources were added, and perform the health check again.	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. Perform the health check again. The performance information of newly added resources will not be displayed in the reports until the day after they were added. Adjust the time period of analysis to include the day after the resources were added, and perform the health check again.
KAIC15719-E	The file system cannot be created. This version of the NAS Manager or Hitachi File Services Manager is not supported. Verify the version of the NAS Manager or Hitachi File Services Manager.	*Cause* This version of the NAS Manager or Hitachi File Services Manager is not supported. *Action* Verify the version of the NAS Manager or Hitachi File Services Manager.
KAIC15720-E	The file system cannot be created. You do not have the necessary file server management software permissions to create the file	*Cause* You do not have the necessary file server management software permissions to create the file system.

Message ID	Message Text	Description
	system. Verify the file server management software permissions. To use an allocated volume, specify a volume and then create the file system.	*Action* Verify the file server management software permissions. To use an allocated volume, specify a volume and then create the file system.
KAIC15721-E	The file system cannot be created. You do not have the necessary Device Manager permissions to create the file system. Verify the Device Manager permissions.	*Cause* You do not have the necessary Device Manager permissions to create the file system. *Action* Verify the Device Manager permissions.
KAIC15722-E	Specify *min-length* to *max-length* characters for the directory name except "/mnt/".	*Cause* - *Action* -
KAIC15723-E	The specified name (*name*) is already in use. The name of a profile must be unique within a logical group. Specify a different name.	*Cause* The name of a profile must be unique within a logical group. *Action* Specify a different name.
KAIC15724-E	The profile cannot be deleted. A task related to the profile is scheduled or is being executed. Check the task details or retry after the task finishes.	*Cause* A task related to the profile is scheduled or is being executed. *Action* Check the task details or retry after the task finishes.
KAIC15725-E	The profile could not be deleted. Resolve the problem by referring to the maintenance information. (maintenance information = *maintenance-information*)	*Cause* - *Action* Resolve the problem by referring to the maintenance information. (maintenance information = *maintenance-information*)
KAIC15726-E	The profile could not be edited. Resolve the problem by referring to the maintenance information. (maintenance information = *maintenance-information*)	*Cause* - *Action* Resolve the problem by referring to the maintenance information. (maintenance information = *maintenance-information*)
KAIC15727-E	The profile cannot be created. The profile includes volumes whose storage system (*storage-system-name*) microcode is earlier than	*Cause* The profile includes volumes whose storage system (*storage-*

Message ID	Message Text	Description
	micro-code-version. After removing the volumes of the storage system (*storage-system-name*) from the target of the profile, create the profile again.	*system-name*) microcode is earlier than *micro-code-version*. *Action* After removing the volumes of the storage system (*storage-system-name*) from the target of the profile, create the profile again.
KAIC15728-E	Cannot register [Release Data Placement Profile] task. If a profile needs to be released, release the profile again.	*Cause* - *Action* If a profile needs to be released, release the profile again.
KAIC15729-E	Report information for some resources could not be collected from Tuning Manager. (storage system = *storage-system-name*) Ensure that Tuning Manager is monitoring the storage systems, and then refresh the systems. Perform the health check again.	*Cause* - *Action* Ensure that Tuning Manager is monitoring the storage systems, and then refresh the systems. Perform the health check again.
KAIC15730-W	Existing reports will be deleted in the order of their creation times (older times first), because the number of reports exceeds the upper limit. (upper limit = *upper-limit*, existing reports = *the-number-of-existing-reports*) If there are unnecessary reports, delete them.	*Cause* - *Action* If there are unnecessary reports, delete them.
KAIC15731-W	System performance might become slow, because there are too many reports. Delete unnecessary reports.	*Cause* - *Action* Delete unnecessary reports.
KAIC15732-E	The operation cannot be executed for the profile. A task is being executed for the profile. After the task finishes, retry the operation.	*Cause* A task is being executed for the profile. *Action* After the task finishes, retry the operation.
KAIC15733-E	The operation cannot be executed because the target pool contains a mixed-media tier.	*Cause* - *Action* -
KAIC15734-E	The operation cannot be executed because the target storage system does not support the editing of external LDEV tier ranks. Update	*Cause* - *Action*

Message ID	Message Text	Description
	the storage system microcode to the latest version.	Update the storage system microcode to the latest version.
KAIC15735-E	The operation cannot be executed because the selected volumes are not external volume: *devnum*.	*Cause* - *Action* -
KAIC15736-E	The operation cannot be executed because changing to the selected external LDEV tier rank will cause media in the tier to be mixed. Select another external LDEV tier rank.	*Cause* - *Action* Select another external LDEV tier rank.
KAIC15737-I	The system canceled health check. (storage system = *storage-system-name*)	*Cause* - *Action* -
KAIC15738-E	The profile could not be created. See the storage system messages, resolve the problem, and retry.	*Cause* - *Action* See the storage system messages, resolve the problem, and retry.
KAIC15739-E	The operation cannot be executed for the profile. All DP volumes contained in the profile have been deleted, or they have been removed from the logical group. Revise the DP volumes contained in the profile.	*Cause* All DP volumes contained in the profile have been deleted, or they have been removed from the logical group. *Action* Revise the DP volumes contained in the profile.
KAIC15740-E	There is no performance data. Verify the Performance Advisor status.	*Cause* - *Action* Verify the Performance Advisor status.
KAIC15741-E	Unable to collect performance data. Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC15742-E	Unable to collect performance data. Ensure the Performance Advisor connection. Ensure the Performance Advisor server is started. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Ensure the Performance Advisor connection. Ensure the Performance Advisor server is started. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC15743-E	Unable to collect performance data. (cause = *cause*) See the cause message.	*Cause* - *Action* See the cause message.
KAIC15744-E	Cannot delete profiles. The profiles you are trying to remove are applied. Check the profile status and release the profiles.	*Cause* The profiles you are trying to remove are applied. *Action* Check the profile status and release the profiles.
KAIC15745-E	Cannot delete logical groups. A data placement profile is applied to a logical group you are removing. Release profiles, try again.	*Cause* A data placement profile is applied to a logical group you are removing. *Action* Release profiles, try again.
KAIC15746-E	Cannot delete logical groups. The data placement profile included in the logical groups may have been deleted. Verify the status of the data placement profiles.	*Cause* The data placement profile included in the logical groups may have been deleted. *Action* Verify the status of the data placement profiles.
KAIC15747-E	Cannot delete logical groups. DP volumes contained in the profile might have been deleted, or you do not have the Modify permission for the DP volumes. Revise the HDT volumes in the data placement profiles.	*Cause* DP volumes contained in the profile might have been deleted, or you do not have the Modify permission for the DP volumes. *Action* Revise the HDT volumes in the data placement profiles.

Message ID	Message Text	Description
KAIC15748-E	Cannot delete logical groups. Tasks related to a data placement profile included in the logical groups are scheduled or are being executed. Revise the task details or after the tasks completes, try again.	*Cause* Tasks related to a data placement profile included in the logical groups are scheduled or are being executed. *Action* Revise the task details or after the tasks completes, try again.
KAIC15749-W	Data placement profile is inconsistent between Device Manager and the storage system. Check the [Manage Data Placement Profile] dialog.	*Cause* - *Action* Check the [**Manage Data Placement Profile**] dialog.
KAIC15750-E	The system canceled the health check. (storage system = *storage-system-name*, cause = *cause*) See the cause message.	*Cause* - *Action* See the cause message.
KAIC15751-E	The operation cannot be executed because changing pool type causes mixed tier media. Change the pool type back to what it was.	*Cause* - *Action* Change the pool type back to what it was.
KAIC15752-E	Selected logical group information cannot be displayed. Logical group volumes may have been deleted or you do not have View permission. Revise the logical group.	*Cause* Logical group volumes may have been deleted or you do not have View permission. *Action* Revise the logical group.
KAIC15753-E	The operation cannot be executed for the profile. All DP volumes contained in the profile have been deleted. Revise the DP volumes contained in the profile.	*Cause* All DP volumes contained in the profile have been deleted. *Action* Revise the DP volumes contained in the profile.
KAIC15754-W	Unable to refresh data for Analytics tab. Detail: "*detail-information*" When using Analytics tab, follow the detailed instructions in the message.	*Cause* - *Action* When using Analytics tab, follow the detailed instructions in the message.
KAIC15755-E	Performance information could not be acquired for the storage system *storage-system-name*. (maintenance information = *maintenance-information*) Refer to	*Cause* - *Action*

Message ID	Message Text	Description
	the message displayed in the maintenance information, and resolve the problem, and then retry the operation. Or, from the [Select Volumes] dialog, remove the volumes in the storage system *storage-system-name*, and then retry the operation.	Refer to the message displayed in the maintenance information, and resolve the problem, and then retry the operation. Or, from the [**Select Volumes**] dialog, remove the volumes in the storage system *storage-system-name*, and then retry the operation.
KAIC15756-E	The total capacity of the profiles exceeds the limit. Remove unused profiles and try again.	*Cause* - *Action* Remove unused profiles and try again.
KAIC15757-I	A task was not registered because no items were changed.	*Cause* - *Action* -
KAIC15759-W	The file server or NAS module information might not be up to date. Use NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module.	*Cause* - *Action* Use NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module.
KAIC15760-W	No Admin Services information is registered. From the Edit File Server window, register Admin Services information.	*Cause* - *Action* From the Edit File Server window, register Admin Services information.
KAIC15761-E	The file server or NAS module information might not be up to date. Use NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Use NAS Manager or Hitachi File Services Manager to refresh the file server or NAS module. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC15762-W	An authentication error occurred during communication with Admin Services. From the Edit File Server window, register a valid user ID and password for Admin Services.	*Cause* - *Action*

Message ID	Message Text	Description
		From the Edit File Server window, register a valid user ID and password for Admin Services.
KAIC15763-E	An attempt to connect to Admin Services failed. From the Edit File Server window, revise the Admin Services information. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* From the Edit File Server window, revise the Admin Services information. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC15764-E	The user ID or password is too long. Revise the user ID or password.	*Cause* - *Action* Revise the user ID or password.
KAIC15765-E	There is no file server or cluster for which a file system can be created. Cancel the operation, and then revise the file server or NAS module environment.	*Cause* - *Action* Cancel the operation, and then revise the file server or NAS module environment.
KAIC15766-E	Version information related to the NAS Platform could not be acquired. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15767-E	An authentication error occurred during communication with Admin Services of the file server. Revise the Admin Services settings in the Edit File Server window, and then retry the operation.	*Cause* - *Action* Revise the Admin Services settings in the Edit File Server window, and then retry the operation.
KAIC15768-E	Communication with Admin Services of the file server failed. Revise the Admin Services settings in the Edit File Server window, and then retry the operation.	*Cause* - *Action* Revise the Admin Services settings in the Edit File Server window, and then retry the operation.

Message ID	Message Text	Description
KAIC15769-E	This operation cannot be executed because the file servers or NAS modules in the specified cluster have different firmware versions. Make the firmware versions of the file servers or NAS modules in the cluster the same, and then retry the operation.	*Cause* - *Action* Make the firmware versions of the file servers or NAS modules in the cluster the same, and then retry the operation.
KAIC15770-E	The firmware versions of the selected file servers or the firmware version of the file servers in the specified cluster are newer than the NAS Manager version. The NAS Manager version must be the same as or newer than the firmware versions of the file servers. Make the firmware versions the same as that of NAS Manager, or update the NAS Manager version.	*Cause* - *Action* Make the firmware versions the same as that of NAS Manager, or update the NAS Manager version.
KAIC15771-E	The selected *file-server-name-or-cluster-name* does not contain an EVS where a file system can be created. Create an EVS, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager and try again, or specify a different file server or cluster.	*Cause* - *Action* Create an EVS, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager and try again, or specify a different file server or cluster.
KAIC15772-E	The selected EVS cannot be used. Change the EVS to a usable state and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager and try again, or specify a different EVS.	*Cause* - *Action* Change the EVS to a usable state and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager and try again, or specify a different EVS.
KAIC15773-E	The NAS Platform information could not be acquired. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15774-E	The selected *file-server-name-or-cluster-name* does not contain a storage pool in which a file system	*Cause* - *Action*

Message ID	Message Text	Description
	can be created. Create a usable storage pool, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. Alternatively, select a different file server or cluster.	Create a usable storage pool, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. Alternatively, select a different file server or cluster.
KAIC15775-E	The EVS was not found. The EVS might have been deleted. Cancel the operation, and then check the resources.	*Cause* - *Action* The EVS might have been deleted. Cancel the operation, and then check the resources.
KAIC15776-E	The entered file system name (*file-system-name*) cannot be used because it is already in use in *file-server-name-or-cluster-name*. Enter a different file system name.	*Cause* - *Action* Enter a different file system name.
KAIC15777-E	The entered file system name (*file-system-name*) cannot be used because it is reserved for *file-server-name-or-cluster-name*. Enter a different file system name.	*Cause* - *Action* Enter a different file system name.
KAIC15778-E	The entered CIFS share name (*cifs-share-name*) cannot be used because it is already in use in *evs-name*. Specify a different CIFS share name.	*Cause* - *Action* Specify a different CIFS share name.
KAIC15779-E	The entered CIFS share name (*cifs-share-name*) cannot be used because it is reserved for *evs-name*. Specify a different CIFS share name.	*Cause* - *Action* Specify a different CIFS share name.
KAIC15780-E	The entered NFS export name (*nfs-export-name*) cannot be used because it is already in use in *evs-name*. Specify a different NFS export name.	*Cause* - *Action* Specify a different NFS export name.
KAIC15781-E	The entered NFS export name (*nfs-export-name*) cannot be used because it is reserved for *evs-name*. Specify a different NFS export name.	*Cause* - *Action* Specify a different NFS export name.

Message ID	Message Text	Description
KAIC15782-E	One or more tasks are being performed for this file server. Wait until all running tasks complete.	*Cause* - *Action* Wait until all running tasks complete.
KAIC15783-W	Only some of the file servers in a cluster are selected for the allocation destination of the volumes. If the file server is in a cluster, select all file servers in the cluster, and then allocate volumes.	*Cause* - *Action* If the file server is in a cluster, select all file servers in the cluster, and then allocate volumes.
KAIC15784-E	Task registration failed. Wait a few minutes, and then try again. (maintenance information=*maintenance-information*)	*Cause* - *Action* Wait a few minutes, and then try again. (maintenance information=*maintenance-information*)
KAIC15785-E	You do not have the proper permissions to refresh labels. Perform this operation as a user with the required permissions.	*Cause* - *Action* Perform this operation as a user with the required permissions.
KAIC15786-E	This operation cannot execute these storage system models : *model-name-of-storage-system-which-concat-by-","*. Device Manager does not support the refreshing labels for this storage system models. Close the dialog box, select storage systems can be refreshed labels, and then retry the operation.	*Cause* Device Manager does not support the refreshing labels for this storage system models. *Action* Close the dialog box, select storage systems can be refreshed labels, and then retry the operation.
KAIC15787-E	Labels cannot be refreshed for the selected storage systems. The storage systems do not contain any volumes or pools. Select valid storage systems.	*Cause* The storage systems do not contain any volumes or pools. *Action* Select valid storage systems.
KAIC15788-E	An attempt to refresh labels failed. Check whether volume labels or pool names have changed. If they have not, check the messages output by the storage systems to resolve the problem, and then retry the operation.	*Cause* - *Action* Check whether volume labels or pool names have changed. If they have not, check the messages

Message ID	Message Text	Description
		output by the storage systems to resolve the problem, and then retry the operation.
KAIC15789-E	The selected volumes are reserved or you do not have permissions for the volumes. Select valid volumes.	*Cause* - *Action* Select valid volumes.
KAIC15790-E	An attempt to edit labels failed. Check whether the labels have changed. If they have not, check the messages output by the storage systems to resolve the problem, and then retry the operation.	*Cause* - *Action* Check whether the labels have changed. If they have not, check the messages output by the storage systems to resolve the problem, and then retry the operation.
KAIC15791-E	The relocation settings cannot be configured for one or more volumes allocated to the selected server or cluster. No volumes associated with HDT pools are allocated to the selected server or cluster, or you do not have the Modify permission for one or more volumes. Revise the selected server or cluster.	*Cause* No volumes associated with HDT pools are allocated to the selected server or cluster, or you do not have the Modify permission for one or more volumes. *Action* Revise the selected server or cluster.
KAIC15792-E	The selected storage pool cannot be used. Return the storage pool to a usable state, use the NAS Manager to synchronize the information on the Device Manager server with the information on the NAS Platforms, and then retry the operation. Otherwise, select a different storage pool.	*Cause* - *Action* Return the storage pool to a usable state, use the NAS Manager to synchronize the information on the Device Manager server with the information on the NAS Platforms, and then retry the operation. Otherwise, select a different storage pool.
KAIC15793-E	The selected storage pool does not have enough unused capacity. Select a storage pool that has enough unused capacity.	*Cause* - *Action* Select a storage pool that has enough unused capacity.
KAIC15794-E	Unable to open the Manage File Servers window when you select a cluster of HDI/HNAS F file server. Select a file server in the cluster, and open the Manage File Servers window.	*Cause* - *Action*

Message ID	Message Text	Description
		Select a file server in the cluster, and open the Manage File Servers window.
KAIC15795-I	Device Manager does not support this operation for one or more of the selected HDT volumes. This operation will not be performed on the unsupported volumes.	*Cause* - *Action* -
KAIC15796-I	Device Manager does not support this operation for one or more of the HDT volumes allocated to the selected pool. This operation will not be performed on the unsupported volumes.	*Cause* - *Action* -
KAIC15797-I	Device Manager does not support this operation for one or more of the HDT volumes allocated to the selected host. This operation will not be performed on the unsupported volumes.	*Cause* - *Action* -
KAIC15798-I	Device Manager does not support this operation for one or more of the HDT volumes allocated to the selected server or cluster. This operation will not be performed on the unsupported volumes.	*Cause* - *Action* -
KAIC15799-I	Device Manager does not support this operation for one or more of the HDT volumes allocated to the selected logical group. This operation will not be performed on the unsupported volumes.	*Cause* - *Action* -
KAIC15800-E	The selected tiering policy is already reserved. Wait until all tasks related to the selected tiering policy are complete, and then try again.	*Cause* - *Action* Wait until all tasks related to the selected tiering policy are complete, and then try again.
KAIC15801-E	The operation cannot be performed because the specified tiering policy is unsupported.	*Cause* - *Action* -
KAIC15802-E	The tiering policy task failed for the following reason: (*message*) Volume allocation is complete. Select the target volumes, edit the tiering policy, and then create the file system again.	*Cause* - *Action* Volume allocation is complete. Select the target volumes, edit the

Message ID	Message Text	Description
		tiering policy, and then create the file system again.
KAIC15803-W	Multiple standalone file servers are selected for the allocation destinations of the volumes. Confirm the allocation destinations, and if necessary, change them.	*Cause* - *Action* Confirm the allocation destinations, and if necessary, change them.
KAIC15804-E	This operation is not available because another user is currently exporting a report. Wait a few minutes, and then try again.	*Cause* - *Action* Wait a few minutes, and then try again.
KAIC15805-E	None of the reports to be exported exist. The reports might have been deleted. Cancel the operation, and then check the reports.	*Cause* - *Action* Cancel the operation, and then check the reports.
KAIC15806-W	Some of the reports to be exported do not exist. The reports might have been deleted. Cancel the operation, and then check the reports.	*Cause* - *Action* Cancel the operation, and then check the reports.
KAIC15807-E	An error occurred while reports were being exported. Check the network status, whether the Device Manager Web Service is running properly, whether there is enough unused capacity on the export-destination drive, and whether the specified folder exists at the export destination.	*Cause* - *Action* Check the network status, whether the Device Manager Web Service is running properly, whether there is enough unused capacity on the export-destination drive, and whether the specified folder exists at the export destination.
KAIC15808-W	One or more storage systems that might not be monitored by Tuning Manager were added to the schedule as analysis targets. (storage systems = *storage-system-name*) Verify that Tuning Manager is monitoring the storage systems, and then refresh them.	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh them.
KAIC15809-W	One or more storage systems that might not have been added by Device Manager were added to the schedule as analysis targets. (storage systems = *storage-*	*Cause* - *Action*

Message ID	Message Text	Description
	system-name) Verify that Device Manager and Tuning Manager are monitoring the storage systems, and then refresh them. Otherwise, revise the storage systems added to the schedule.	Verify that Device Manager and Tuning Manager are monitoring the storage systems, and then refresh them. Otherwise, revise the storage systems added to the schedule.
KAIC15810-W	Data collection from Tuning Manager was not performed for one or more storage systems added to the schedule as analysis targets. (storage systems = *storage-system-name*) Verify that Tuning Manager is monitoring the storage systems, and then refresh them. Otherwise revise the storage systems added to the schedule.	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh them. Otherwise revise the storage systems added to the schedule.
KAIC15811-W	Data collection from Tuning Manager failed for one or more storage systems added to the schedule as analysis targets. (storage systems = *storage-system-name*) To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.	*Cause* - *Action* To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.
KAIC15812-W	One or more storage systems whose information might not be up to date were added to the schedule as analysis targets. (storage systems = *storage-system-name*) To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.	*Cause* - *Action* To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.
KAIC15813-E	An internal error occurred during execution of a scheduled health check. Contact the Support Center. (maintenance information = *maintenance-information*) A detailed investigation to determine the cause of the problem is required. Collect error information and contact the Support Center.	*Cause* - *Action* A detailed investigation to determine the cause of the problem is required. Collect error information and contact the Support Center.
KAIC15814-W	Execution of a scheduled health check was skipped because Device Manager has stopped.	*Cause* - *Action* -
KAIC15815-E	The schedule cannot be registered because a schedule with the same	*Cause* - *Action*

Message ID	Message Text	Description
	name already exists. Change the schedule name.	Change the schedule name.
KAIC15816-E	A schedule could not be registered. (schedule name = *schedule-name*, cause = *cause*) If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC15817-E	A schedule could not be registered. (schedule name = *schedule-name*) If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC15818-E	A schedule could not be updated. (schedule name = *schedule-name*, cause = *cause*) If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC15819-E	A schedule could not be updated. (schedule name = *schedule-name*) If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC15820-E	An inconsistency exists in schedule information. (schedule name = *schedule-name*) Edit the schedule, and then register it again.	*Cause* - *Action* Edit the schedule, and then register it again.
KAIC15821-E	A schedule could not be deleted. (schedule name = *schedule-name*, cause = *cause*) If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC15822-E	A schedule could not be deleted. (schedule name = *schedule-name*) If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC15823-E	An unexpected error occurred while reports were being exported. To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask	*Cause* - *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact

Message ID	Message Text	Description
	you to collect troubleshooting information.	the Support Center, who may ask you to collect troubleshooting information.
KAIC15824-I	Exporting was canceled.	*Cause* - *Action* -
KAIC15825-W	The data retention period is not properly set for one or more Tuning Manager agents. Change these data retention periods to valid values.(storage systems = *storage-system-name*) Change the data retention periods to valid values.	*Cause* - *Action* Change the data retention periods to valid values.
KAIC15826-E	The chosen volumes "*ldev-id*" cannot be used for a pool because they have virtual IDs. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15827-E	The chosen volumes "*ldev-id*" cannot be used for a pool because they belong to a resource group used for data migration that uses virtual IDs. Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC15828-E	Multiple volumes are selected that cannot be allocated in one operation. If volumes in virtual mode are selected, select volumes for which the same virtual model and virtual serial number are set. (volumes in virtual mode = *ldev-id*)	*Cause* - *Action* If volumes in virtual mode are selected, select volumes for which the same virtual model and virtual serial number are set. (volumes in virtual mode = *ldev-id*)
KAIC15829-E	A combination of volumes and host groups that cannot allocate volumes is included. Do either of the following: (1) If the host group is in virtual mode, select volumes that have the same virtual model and virtual serial number as the host group. (2) If the host group is not in virtual mode, or the virtual model and virtual serial number are not set, select volumes that are not in virtual mode or for which a virtual model and virtual serial number are not set.	*Cause* - *Action* Do either of the following: 1. If the host group is in virtual mode, select volumes that have the same virtual model and virtual serial number as the host group. 2. If the host group is not in virtual mode, or the virtual model and virtual serial number are not set, select volumes that are not in virtual

Message ID	Message Text	Description
		mode or for which a virtual model and virtual serial number are not set.
KAIC15830-E	The required "*license-name*" license is not registered or is expired. Register the license, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then try again.	*Cause* - *Action* Register the license, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then try again.
KAIC15831-E	This operation cannot be executed because the status of the selected shares or exports "*share-export-name*" is not Normal. Check the cause of the abnormal status and resolve the issue to return the status to Normal, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then try again.	*Cause* - *Action* Check the cause of the abnormal status and resolve the issue to return the status to Normal, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then try again.
KAIC15832-E	The firmware version of the server or cluster does not support this operation. Update the server or cluster to the latest version of the firmware, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* Update the server or cluster to the latest version of the firmware, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15833-W	This operation might fail because the status "*status*" of the file system "*file-system-name*" is not Normal. If there are any problems, select another file system and then retry the operation. Alternatively, check the file system status and return the file system status to Normal. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* If there are any problems, select another file system and then retry the operation. Alternatively, check the file system status and return the file system status to Normal. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15834-E	The file system "*file-system-name*" is in a status (*status*) that does not allow this operation to be performed. Select another file	*Cause* - *Action*

Message ID	Message Text	Description
	system, and then retry the operation. Alternatively, check the status of the file system, and change the status to one that allows this operation to be performed. After that, synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	Select another file system, and then retry the operation. Alternatively, check the status of the file system, and change the status to one that allows this operation to be performed. After that, synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15835-E	The file system "*file-system-name*" is in a status (*status*) that does not allow this operation to be performed. Check the status of the file system, and change the status to one that allows this operation to be performed. After that, synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* Check the status of the file system, and change the status to one that allows this operation to be performed. After that, synchronize the NAS Platform information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15836-W	This operation might fail because the status "*status*" of the file system "*file-system-name*" is not Normal. If there are any problems, check the file system status and return the file system status to Normal. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* If there are any problems, check the file system status and return the file system status to Normal. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15837-E	No related EVS exists for the selected file system. Select another file system, or assign the file system to an EVS, and then retry the operation.	*Cause* - *Action* Select another file system, or assign the file system to an EVS, and then retry the operation.
KAIC15838-E	This operation cannot be performed because the status "*status*" of the EVS "*evs-name*" is not Normal. Select another EVS and then retry the operation. Alternatively, check the EVS status and return the EVS status to Normal. Synchronize the information with the Device Manager server by executing a	*Cause* - *Action* Select another EVS and then retry the operation. Alternatively, check the EVS status and return the EVS status to Normal. Synchronize the information with the Device Manager server by executing a

Message ID	Message Text	Description
	synchronize operation in NAS Manager, and then retry the operation.	synchronize operation in NAS Manager, and then retry the operation.
KAIC15839-E	The selected EVS "*evs-name*" does not have a file system to which shares or exports can be added. Select another EVS and retry the operation. Alternatively, create a file system that can modify the selected shares and exports on the EVS, and then retry the operation.	*Cause* - *Action* Select another EVS and retry the operation. Alternatively, create a file system that can modify the selected shares and exports on the EVS, and then retry the operation.
KAIC15840-E	Detailed share or export information could not be obtained. Check the status of the server and cluster, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* Check the status of the server and cluster, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15841-E	Path information could not be obtained. Check the status of the server and cluster, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* Check the status of the server and cluster, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC15842-E	Execution of the task failed. Check the message list for the failed task, and then follow the detailed instructions in the message.	*Cause* - *Action* Check the message list for the failed task, and then follow the detailed instructions in the message.
KAIC15843-W	The file server or NAS module information is not up to date. Synchronize the information with the Device Manager server by executing a synchronize operation in the NAS Manager or Hitachi File Services Manager, and then retry the operation.	*Cause* - *Action* Synchronize the information with the Device Manager server by executing a synchronize operation in the NAS Manager or Hitachi File Services Manager, and then retry the operation.

Message ID	Message Text	Description
KAIC15844-E	The CIFS share could not be added. (maintenance information = *maintenance-information*) See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.	*Cause* - *Action* See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.
KAIC15845-E	The NFS export could not be added. (maintenance information = *maintenance-information*) See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.	*Cause* - *Action* See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.
KAIC15846-E	The CIFS share could not be edited. (maintenance information = *maintenance-information*) See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.	*Cause* - *Action* See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.
KAIC15847-E	The NFS export could not be edited. (maintenance information = *maintenance-information*) See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.	*Cause* - *Action* See the message displayed in the maintenance information, and resolve the problem. Then, retry the operation.
KAIC15848-E	The CIFS share permissions could not be set. (maintenance information = *maintenance-information*) See the message displayed in the maintenance information, and resolve the problem. Then, check which permissions could not be set in the permissions list, and set the permissions in the Edit CIFS Share dialog box.	*Cause* - *Action* See the message displayed in the maintenance information, and resolve the problem. Then, check which permissions could not be set in the permissions list, and set the permissions in the **Edit CIFS Share** dialog box.
KAIC15849-E	The access configurations for the CIFS share could not be set. (maintenance information = *maintenance-information*) See the message displayed in the maintenance information, and resolve the problem. Then, set access configurations in the Edit CIFS Share dialog box.	*Cause* - *Action* See the message displayed in the maintenance information, and resolve the problem. Then, set access configurations in the **Edit CIFS Share** dialog box.

Message ID	Message Text	Description
KAIC15850-E	Root node retrieval error. (node name=*node-name*) The environment is invalid. Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.	*Cause* The environment is invalid. *Action* Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.
KAIC15851-E	Child node retrieval error. (node name=*parent-node-name*) The environment is invalid. Verify whether the database has started. If it has not, start it. If the database has started, retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* The environment is invalid. *Action* Verify whether the database has started. If it has not, start it. If the database has started, retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC15852-E	Data retrieval error. (report=*report-name*) The environment is invalid. Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.	*Cause* The environment is invalid. *Action* Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.
KAIC15853-E	Structure retrieval error. (report=*report-name*) The environment is invalid. Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.	*Cause* The environment is invalid. *Action* Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.
KAIC15854-E	User settings save error. (user=*report-name*, report=*user-name*) The environment is invalid. Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.	*Cause* The environment is invalid. *Action* Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.

Message ID	Message Text	Description
KAIC15855-E	Unable to fetch data for GMA. (Report=*report-name*) The environment is invalid. Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.	*Cause* The environment is invalid. *Action* Verify whether the database has started. If it has not, start it. If the database has started, an internal error might have occurred. Contact the Support Center.
KAIC15856-E	Cannot access the Tiered Storage Manager database. Start the Tiered Storage Manager server.	*Cause* - *Action* Start the Tiered Storage Manager server.
KAIC15857-W	The list contains too many items. (number of items = *number-of-item*, limit = *upper-limit*, maintenance information = *report-name*) Too many items in the list. Revise the conditions so that fewer volumes are returned.	*Cause* Too many items in the list. *Action* Revise the conditions so that fewer volumes are returned.
KAIC15858-W	The combination of columns cannot be sorted. (column = *column-name*) Select different columns.	*Cause* - *Action* Select different columns.
KAIC15859-W	The filter and column display conditions cannot be saved. Too many sort conditions are specified. Revise the sort conditions.	*Cause* Too many sort conditions are specified. *Action* Revise the sort conditions.
KAIC15860-W	The filter and column display conditions cannot be saved. Too many filters are specified or the filter conditions are too long. Revise the filter conditions.	*Cause* Too many filters are specified or the filter conditions are too long. *Action* Revise the filter conditions.
KAIC15861-E	Information about the specified iSCSI target may have been modified by another user. Cancel the operation, and then try again.	*Cause* - *Action* Cancel the operation, and then try again.
KAIC15862-E	The same name (*iSCSI-target-names*) is already specified for an iSCSI target. Specify a different iSCSI target name.	*Cause* - *Action*

Message ID	Message Text	Description
		Specify a different iSCSI target name.
KAIC15863-E	The parity group cannot be deleted. The parity group contains volumes with Data Retention Utility access attributes. (parity group = *parity-group*) Check the volume attributes from the volume list to "GUARD", and delete the access properties.	*Cause* The parity group contains volumes with Data Retention Utility access attributes. (parity group = *parity-group*) *Action* Check the volume attributes from the volume list to "GUARD", and delete the access properties.
KAIC15864-I	One or more drives, that are not supported by Device Manager are included. Drives that Device Manager does not support cannot be used in parity groups configurations. Contact Support to verify the supported drives.	*Cause* Drives that Device Manager does not support cannot be used in parity groups configurations. *Action* Contact Support to verify the supported drives.
KAIC15865-W	There is no host which can re-sync	*Cause* - *Action* -
KAIC15866-W	You cannot perform this cancellation operation on some tasks registered by schedule profiles. (task names=*task-name*) Operate by schedule profiles.	*Cause* - *Action* Operate by schedule profiles.
KAIC15867-E	This operation is not supported by Device Manager for *storage-system-names* storage systems. Make sure the model supports this kind of operation.	*Cause* - *Action* Make sure the model supports this kind of operation.
KAIC15868-E	Device Manager does not support this operation for HDT pools in storage systems.	*Cause* - *Action* -
KAIC15869-W	This logical group cannot be displayed because it contains one or more HDT volumes in an unsupported storage system. Select another logical group or change this logical group so that it contains only HDT volumes in a supported storage system.	*Cause* - *Action* Select another logical group or change this logical group so that it contains only HDT volumes in a supported storage system.

Message ID	Message Text	Description
KAIC15870-I	This logical group contains one or more HDT volumes in an unsupported storage system. HDT volumes in unsupported storage systems are not displayed in the [Mobility] tab. Check the details of this logical group by using the [Resources] tab.	*Cause* - *Action* Check the details of this logical group by using the [**Resources**] tab.
KAIC15871-I	The HDT pools in this storage system cannot be displayed in the [Mobility] tab. Device Manager does not support the displaying of HDT pools in this storage system. Check the HDT pool information from the [Resources] tab.	*Cause* Device Manager does not support the displaying of HDT pools in this storage system. *Action* Check the HDT pool information from the [**Resources**] tab.
KAIC15872-E	*number-of-volumes-to-delete* LDEV ID which can be used is insufficient. Delete unnecessary volumes, or register LDEV IDs to the resource group or Virtual Storage Machine.	*Cause* - *Action* Delete unnecessary volumes, or register LDEV IDs to the resource group or Virtual Storage Machine.
KAIC15873-E	More usable LDEV IDs are required. Register additional LDEV IDs to the resource group or virtual storage machine.	*Cause* - *Action* Register additional LDEV IDs to the resource group or virtual storage machine.
KAIC15874-E	Appropriate volumes do not exist. The number of volumes that satisfy the conditions is *the-number-of-the-volumes*. Revise the conditions, or register LDEV IDs to the resource group or virtual storage machine.	*Cause* The number of volumes that satisfy the conditions is *the-number-of-the-volumes*. *Action* Revise the conditions, or register LDEV IDs to the resource group or virtual storage machine.
KAIC15875-I	Ports that are assigned to NAS modules are not displayed.	*Cause* - *Action* -
KAIC15876-E	The Full Allocation function cannot be enabled for a DP volume (*ldev-id*) for which dedupe and compression is enabled. Select a different volume, and then try the operation again.	*Cause* - *Action* Select a different volume, and then try the operation again.
KAIC15900-E	The session expired. You must log in again. (maintenance	*Cause*

Message ID	Message Text	Description
	information=*maintenance-information*)	- *Action* You must log in again. (maintenance information=*maintenance-information*)
KAIC15901-E	The session is not valid. You must log in again. (maintenance information=*maintenance-information*)	*Cause* - *Action* You must log in again. (maintenance information=*maintenance-information*)
KAIC15902-E	Unable to connect to the server. Try again. (maintenance information=*maintenance-information*)	*Cause* - *Action* Try again. (maintenance information=*maintenance-information*)
KAIC15903-E	Unable to connect to the server. Try again. (code=*maintenance-information*)	*Cause* - *Action* Try again. (code=*maintenance-information*)
KAIC15904-E	The external API "*function-name*" returned a value that is not valid. If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC15905-E	Unknown message(ID=*message ID*, Parameters=*parameters*) Contact the Support Center.	*Cause* - *Action* Contact the Support Center.
KAIC15906-E	The file "*file-name*", which is installed as part of the product, was not found. The installation directory might be corrupted. Perform a repair installation.	*Cause* The installation directory might be corrupted. *Action* Perform a repair installation.
KAIC15907-E	An error occurred while accessing an internal file. (file name=*file-name*, operation=*operation-name*) The installation directory might be corrupted, or the management server process was not run with	*Cause* The installation directory might be corrupted, or the management server process was not run with the correct permissions. *Action*

Message ID	Message Text	Description
	the correct permissions. Verify that the process ran with the correct permissions. If the file is missing or corrupted, perform a repair installation.	Verify that the process ran with the correct permissions. If the file is missing or corrupted, perform a repair installation.
KAIC15908-E	An internal error occurred. Contact the Support Center. (maintenance information=*inner-cause*)	*Cause* - *Action* Contact the Support Center. (maintenance information=*inner-cause*)
KAIC15950-I	Starting application. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC15951-I	Application is running. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC15952-E	Unable to start application. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC15953-I	Stopping application.	*Cause* - *Action* -
KAIC15954-I	Application is stopped.	*Cause* - *Action* -
KAIC15955-E	Unable to stop application.	*Cause* - *Action* -
KAIC15956-I	Connecting to server. (Current retry counter:*current-retry-counter*, Max retry counter: *max-retry-counter*, Connection name: *connection-name*)	*Cause* - *Action* -
KAIC15957-I	Connection to server established. (Connection name: *connection-name*)	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC15958-E	Unable to connect to server. (Connection name: *connection-name*) Confirm the status of required services.	*Cause* - *Action* Confirm the status of required services.
KAIC15984-I	The task operation was successful. (method name = *method-name*, task name = *task-name*)	*Cause* - *Action* -
KAIC15985-E	The task operation failed. (method name = *method-name*, task name = *task-name*)	*Cause* - *Action* -
KAIC15986-I	The configuration was changed. (method name = *method-name*, task name = *task-name*)	*Cause* - *Action* -
KAIC15987-E	The configuration could not be changed. (method name = *method-name*, task name = *task-name*)	*Cause* - *Action* -
KAIC16000-I	This will close your login session.	*Cause* - *Action* -
KAIC16001-E	The user ID and password is empty. Enter your user ID and password.	*Cause* - *Action* Enter your user ID and password.
KAIC16002-E	Connection to the server failed. Check the network status and whether the Device Manager Web Service is running correctly.	*Cause* - *Action* Check the network status and whether the Device Manager Web Service is running correctly.
KAIC16003-E	An attempt to display a warning banner failed. The server might be starting now or it might have failed to start. Wait a few minutes, and then try again. If this problem	*Cause* - *Action*

Message ID	Message Text	Description
	persists, contact the Support Center.	Wait a few minutes, and then try again. If this problem persists, contact the Support Center.
KAIC16008-E	A parameter required for login was missing. (maintenance information=*parameter-name*) If this problem persists, contact the Support Center.	*Cause* - *Action* If this problem persists, contact the Support Center.
KAIC16009-E	An unexpected error occurred. Exit the application. (Maintenance info=*maintenance-information*) Wait a few minutes, and then try again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Exit the application. Wait a few minutes, and then try again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact Support Center, who may ask you to collect troubleshooting information.
KAIC16010-E	Specify a task name.	*Cause* - *Action* -
KAIC16011-E	The task name is too long.	*Cause* - *Action* -
KAIC16012-E	The time format is invalid. Specify a time in HH:MM format.	*Cause* - *Action* Specify a time in HH:MM format.
KAIC16013-I	Register a license key.	*Cause* - *Action* -
KAIC16014-I	License registration has finished.	*Cause* - *Action* -
KAIC16015-E	*bytes-for-user-input-value* bytes are specified for the task description. Specify 500 bytes or fewer.	*Cause* - *Action*

Message ID	Message Text	Description
		Specify 500 bytes or fewer.
KAIC16016-E	You entered an expired license key. Specify a valid license key.	*Cause* - *Action* Specify a valid license key.
KAIC16017-E	The selected WWNs are already added. (WWN=*wwn*)	*Cause* - *Action* -
KAIC16018-W	The server request was canceled.	*Cause* - *Action* -
KAIC16019-I	A data collection task was registered.	*Cause* - *Action* -
KAIC16020-E	You cannot refresh manually added hosts. Select the discovered hosts.	*Cause* - *Action* Select the discovered hosts.
KAIC16021-W	*number-of-ignored-hosts* of the selected hosts cannot be refreshed because they were manually added. These hosts will be ignored.	*Cause* - *Action* These hosts will be ignored.
KAIC16022-I	The host was added.	*Cause* - *Action* -
KAIC16023-I	The host was edited.	*Cause* - *Action* -
KAIC16024-E	You cannot delete tasks that have not completed. Select the completed tasks.	*Cause* - *Action* Select the completed tasks.
KAIC16025-W	*number-of-ignored-tasks* of the selected tasks cannot be deleted	*Cause* - *Action*

Message ID	Message Text	Description
	because they have not completed. These tasks will be ignored.	These tasks will be ignored.
KAIC16026-E	No valid WWNs are selected or entered. Select or enter valid WWNs.	*Cause* - *Action* Select or enter valid WWNs.
KAIC16027-E	No Host Data Collectors are registered. Register one or more Host Data Collectors.	*Cause* - *Action* Register one or more Host Data Collectors.
KAIC16028-I	The server is starting now. Please wait a while. (maintenance information=Waiting for *component-name*). Wait a few minutes, and then try again.	*Cause* - *Action* Wait a few minutes, and then try again.
KAIC16029-E	Server startup failed. (maintenance information= Initializing error of *component-name*). Restart the Device Manager server, and then try again. If this problem persists, contact the Support Center.	*Cause* - *Action* Restart the Device Manager server, and then try again. If this problem persists, contact the Support Center.
KAIC16030-I	A resource group was added.	*Cause* - *Action* -
KAIC16031-E	Unable to create a resource group. (parameters=*param*) Cancel the operation and verify the status of the resources to be registered.	*Cause* - *Action* Cancel the operation and verify the status of the resources to be registered.
KAIC16032-I	The license file is invalid. (maintenance info: file name: *file-name*, file size: *file-size*)	*Cause* - *Action* -
KAIC16033-E	Cannot obtain version information. Contact the Support Center.	*Cause* - *Action* Contact the Support Center.

Message ID	Message Text	Description
KAIC16034-I	Multiple resource groups are being used. Verify that their settings are correct.	*Cause* - *Action* Verify that their settings are correct.
KAIC16035-W	The selected pool contains parity groups with different characteristics: for example, internal and external parity groups, different drive types, different drive speeds, different chip types, or different RAID levels.	*Cause* - *Action* -
KAIC16036-E	Insufficient LDEV IDs are available. Delete *number-of-volumes-to-delete* unnecessary volumes, or register LDEV IDs to the resource group.	*Cause* - *Action* Delete *number-of-volumes-to-delete* unnecessary volumes, or register LDEV IDs to the resource group.
KAIC16037-E	The email address is too long.	*Cause* - *Action* -
KAIC16038-E	The email address format is not valid.	*Cause* - *Action* -
KAIC16039-E	The selected iSCSI names are already added. (iSCSI name=*iSCSI-name*)	*Cause* - *Action* -
KAIC16040-E	A *product-name*report cannot be started. A setting in Hitachi Command Suite or *product-name*is invalid. Revise the settings for Hitachi Command Suite and *product-name*, and then log in again. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* A setting in Hitachi Command Suite or *product-name*is invalid. *Action* Revise the settings for Hitachi Command Suite and *product-name*, and then log in again. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC16041-E	A component necessary to display this window cannot be loaded from *product-name*. The *product-*	*Cause*

Message ID	Message Text	Description
	*name*environment might be invalid. Revise the *product-name*environment, and then log in again. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.	The *product-name*environment might be invalid. *Action* Revise the *product-name*environment, and then log in again. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC16042-E	The component to display this screen cannot be read from the *product-name*. A network error might have occurred, or *product-name*might not be running. Try to review the environment of the *product-name* and to log it in again. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* A network error might have occurred, or *product-name*might not be running. *Action* Try to review the environment of the *product-name* and to log it in again. If this problem persists, contact the Support Center, who may ask you to collect troubleshooting information.
KAIC16043-E	Initialization of the window failed. Log in again.	*Cause* - *Action* Log in again.
KAIC16044-E	Initialization of the window failed. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC16045-E	No valid iSCSI names have been selected or entered. Select or enter valid iSCSI names.	*Cause* - *Action* Select or enter valid iSCSI names.
KAIC16046-E	Specified *endfieldname* is earlier than *startfieldname*. Specify *endfieldname* later than *startfieldname*.	*Cause* - *Action* Specify *endfieldname* later than *startfieldname*.
KAIC16050-W	This pool includes parity groups that have different combinations of attributes (RAID level or RAID Configuration) in the tier.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16051-E	This operation cannot be executed because the pool has parity groups with the same drive type and speeds, but different RAID levels or RAID combinations. Use Device Manager CLI, Storage Navigator or Remote Web Console to perform the operation.	*Cause* - *Action* Use Device Manager CLI, Storage Navigator or Remote Web Console to perform the operation.
KAIC16052-E	Choose an appropriate value in the drop-down list.	*Cause* - *Action* -
KAIC16053-E	Choose an appropriate radio button.	*Cause* - *Action* -
KAIC16054-E	The total number of volumes specified for [Selected Free Spaces] and the number specified for [No. of Volumes] do not match. Revise the settings so that these values match. (total number of volumes specified = *total-number-of-volumes-specified*, required number of volumes = *required-number-of-volumes*)	*Cause* - *Action* -
KAIC16055-E	There are not enough available LDEV IDs. Delete *number-of-ldev-ids* unnecessary volumes, or register LDEV IDs to the resource group. Or select other resource group.	*Cause* - *Action* Delete *number-of-ldev-ids* unnecessary volumes, or register LDEV IDs to the resource group. Or select other resource group.
KAIC16056-E	The storage system information may not be up-to-date. Refresh the storage system.	*Cause* - *Action* Refresh the storage system.
KAIC16105-E	This creation method is not supported.	*Cause* - *Action* -
KAIC16106-E	No storage systems for Create Volumes. Register a storage system, or register LDEV IDs to the resource group.	*Cause* - *Action*

Message ID	Message Text	Description
		Register a storage system, or register LDEV IDs to the resource group.
KAIC16107-E	An internal error occurred. If this problem persists, contact the Support Center. (maintenance information=*maintenance-information*)	*Cause* - *Action* If this problem persists, contact the Support Center. (maintenance information=*maintenance-information*)
KAIC16108-E	No pools for create volumes. Create a pool.	*Cause* - *Action* Create a pool.
KAIC16109-E	No parity groups for create volumes. Create a parity group.	*Cause* - *Action* Create a parity group.
KAIC16110-I	The previously specified parameters can not be restored.	*Cause* - *Action* -
KAIC16111-E	Specify a logical group name.	*Cause* - *Action* -
KAIC16112-E	A pool has not been selected. Specify a pool.	*Cause* - *Action* Specify a pool.
KAIC16113-E	A parity group has not been selected. Specify a parity group.	*Cause* - *Action* Specify a parity group.
KAIC16114-E	The previously specified parameters can not be restored.	*Cause* - *Action* -
KAIC16115-E	One or more tasks are being processed for this storage system. Wait for all running tasks to complete.	*Cause* - *Action*

Message ID	Message Text	Description
		Wait for all running tasks to complete.
KAIC16116-E	Cannot acquire the license information. If the problem continues contact the Support Center.	*Cause* - *Action* If the problem continues contact the Support Center.
KAIC16117-E	Specify an ending IP address that is larger than the starting IP address.	*Cause* - *Action* -
KAIC16118-E	Specify a host group name that is *min-length-max-length* characters long.	*Cause* - *Action* -
KAIC16119-E	*invalid-characters* cannot be used.	*Cause* - *Action* -
KAIC16120-E	Specify a hexadecimal number.	*Cause* - *Action* -
KAIC16121-E	Specify a LU number in range *min-lun-number-max-lun-number*.	*Cause* - *Action* -
KAIC16122-E	The user name is too long. Specify no more than 255 characters.	*Cause* - *Action* Specify no more than 255 characters.
KAIC16123-E	The password is too long. Specify no more than 255 characters.	*Cause* - *Action* Specify no more than 255 characters.
KAIC16124-E	Use alphanumeric characters.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16125-E	Specify a name.	*Cause* - *Action* -
KAIC16126-E	The specified group name is invalid.	*Cause* - *Action* -
KAIC16127-E	The full name contains an invalid character.	*Cause* - *Action* -
KAIC16128-E	Use alphanumeric characters.	*Cause* - *Action* -
KAIC16129-E	Specify an email address using no more than *max-characters* characters. Confirm the email address is correct, or specify an email address in less than the available size.	*Cause* - *Action* Confirm the email address is correct, or specify an email address in less than the available size.
KAIC16130-E	The group name contains a character that is not valid. Valid characters are A-Z, a-z, 0-9, and the following characters: ~ = - _ . , ` Use only valid characters in the group name.	*Cause* - *Action* Use only valid characters in the group name.
KAIC16131-E	Uploading of a license key file failed. (maintenance information=*maintenance-information*)	*Cause* - *Action* -
KAIC16132-E	Specify an external parity group number in the range *minimum-parity-group-number-maximum-parity-group-number*.	*Cause* - *Action* -
KAIC16133-E	Specify a name.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16134-E	The name is too long. Specify a name that is no more than 75 bytes.	*Cause* - *Action* Specify a name that is no more than 75 bytes.
KAIC16135-E	The description is too long. Specify a description that is no more than 500 bytes.	*Cause* - *Action* Specify a description that is no more than 500 bytes.
KAIC16136-E	The specified storage system was not found. Specify a storage system that has tiers. The specified storage system has been deleted. Specify a different storage system.	*Cause* The specified storage system has been deleted. *Action* Specify a different storage system.
KAIC16137-E	No conditions or resources are specified. Specify one or more conditions or resources.	*Cause* - *Action* Specify one or more conditions or resources.
KAIC16138-E	Input tier name is invalid. You can use the following characters: A-Z, a-z, 0-9, ' ', '-', '_', '.', '@', multi-byte characters. Specify a tier name using acceptable characters.	*Cause* - *Action* Specify a tier name using acceptable characters.
KAIC16139-E	The capacity is outside the valid range. Specify a value in the range *minimum-capacity-(unit-of-measure)-maximum-capacity-(unit-of-measure)*.	*Cause* - *Action* Specify a value in the range *minimum-capacity-(unit-of-measure)-maximum-capacity-(unit-of-measure)*.
KAIC16140-E	No hosts exist to allocate volumes to. Add one or more hosts.	*Cause* - *Action* Add one or more hosts.
KAIC16141-E	There are no storage systems allocated to the selected host. Add a storage system that can be allocated, or select a different host.	*Cause* - *Action* Add a storage system that can be allocated, or select a different host.

Message ID	Message Text	Description
KAIC16142-E	The host name contains an invalid character.	*Cause* - *Action* -
KAIC16143-E	The scheduled date is in the past.	*Cause* - *Action* -
KAIC16144-E	The task name contains a control character. Specify a valid task name.	*Cause* - *Action* Specify a valid task name.
KAIC16145-E	The task name is too long. Specify a task name that is no more than 32 bytes.	*Cause* - *Action* Specify a task name that is no more than 32 bytes.
KAIC16146-E	Cannot operate the specified task. Confirm the status of the specified task.	*Cause* - *Action* Confirm the status of the specified task.
KAIC16147-W	You cannot perform this operation on some tasks due to their current status. (task names=*task-name*)	*Cause* - *Action* -
KAIC16148-E	Specify a name that is no more than *max-byte* bytes.	*Cause* - *Action* -
KAIC16149-E	Specify a description that is no more than *max-byte* characters long.	*Cause* - *Action* -
KAIC16150-W	Parity groups with different characteristics are selected.	*Cause* - *Action* -
KAIC16151-E	An unexpected error occurred. If this problem continues, contact the Support Center.	*Cause* -

Message ID	Message Text	Description
	stacktrace	*Action* If this problem continues, contact the Support Center.
KAIC16152-W	The specified Used Threshold 1 value is less than the current Used % value. Specify an Used Threshold 1 larger than the current Used % value	*Cause* - *Action* Specify an Used Threshold 1 larger than the current Used % value
KAIC16153-W	The specified Used Threshold 2 value is less than the current Used % value. Specify an Used Threshold 2 larger than the current Used % value	*Cause* - *Action* Specify an Used Threshold 2 larger than the current Used % value
KAIC16154-W	The specified Subscription Warning value is less than the current Subscription value. Specify a Subscription Warning larger than the current Subscription value.	*Cause* - *Action* Specify a Subscription Warning larger than the current Subscription value.
KAIC16155-W	The specified Subscription Limit value is less than the current Subscription value. Specify a Subscription Limit larger than the current Subscription Value.	*Cause* - *Action* Specify a Subscription Limit larger than the current Subscription Value.
KAIC16156-E	The Used Threshold 1 value (*used-threshold-1*%) must be smaller than Used Threshold 2 (*used-threshold-2*%). Specify an Used Threshold 1 smaller than the Used Threshold 2 value.	*Cause* - *Action* Specify an Used Threshold 1 smaller than the Used Threshold 2 value.
KAIC16157-E	The subscription warning value (*subscription-warning*%) must be smaller than subscription limit (*subscription-limit*%). Specify a subscription warning smaller than the subscription limit value.	*Cause* - *Action* Specify a subscription warning smaller than the subscription limit value.
KAIC16158-E	Specify a pool name that is *min-length-max-length* characters long.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16159-E	The input pool name is not valid. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .. Use only valid characters for the pool name.	*Cause* - *Action* Use only valid characters for the pool name.
KAIC16160-E	The input label is not valid. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ % ^ & * ( ) _ + - = { } [ ] | : ; ' < > , . ? /. Use only valid characters in the label.	*Cause* - *Action* Use only valid characters in the label.
KAIC16161-W	Used % exceeds Used Threshold 1 Add more storage to the pool.	*Cause* - *Action* Add more storage to the pool.
KAIC16162-W	Used % exceeds Used Threshold 2 Add more storage to the pool.	*Cause* - *Action* Add more storage to the pool.
KAIC16163-W	Subscription exceeds the subscription warning value. Add more storage to the pool.	*Cause* - *Action* Add more storage to the pool.
KAIC16164-W	Subscription exceeds the subscription limit value. Add more storage to the pool.	*Cause* - *Action* Add more storage to the pool.
KAIC16165-E	A condition or resource is not specified. Specify one or more conditions or resources.	*Cause* - *Action* Specify one or more conditions or resources.
KAIC16166-E	The specified name is invalid. You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ Enter a valid logical group name.	*Cause* - *Action* Enter a valid logical group name.
KAIC16167-E	A device number in the filter conditions contains a character that is not valid. Revise the device numbers.	*Cause* - *Action* Revise the device numbers.

Message ID	Message Text	Description
KAIC16168-E	Too many device numbers are specified in the filter conditions. Specify no more than 100 device numbers.	*Cause* - *Action* Specify no more than 100 device numbers.
KAIC16169-E	The format of a device number in the filter conditions is not valid. Revise the device numbers.	*Cause* - *Action* Revise the device numbers.
KAIC16170-E	All hosts in a logical group cannot be deleted. Select hosts to be deleted again.	*Cause* - *Action* Select hosts to be deleted again.
KAIC16171-E	All volumes in a logical group cannot be deleted. Select volumes to be deleted again.	*Cause* - *Action* Select volumes to be deleted again.
KAIC16172-E	The start time (*monitoring-start-time*) must be earlier than the end time (*monitoring-end-time*). Verify the start and end times.	*Cause* - *Action* Verify the start and end times.
KAIC16173-E	The difference between the start time (*monitoring-start-time*) and the end time (*monitoring-end-time*) is less than one hour. Specify start and end times that are at least one hour apart.	*Cause* - *Action* Specify start and end times that are at least one hour apart.
KAIC16174-E	No pools and parity groups for Create Volumes. Create a pool or a parity group.	*Cause* - *Action* Create a pool or a parity group.
KAIC16175-E	Too many pool IDs are specified in the filter conditions. Specify no more than 100 pool IDs.	*Cause* - *Action* Specify no more than 100 pool IDs.
KAIC16176-E	The format of a pool ID in the filter conditions is not valid. Valid pool ID format is *poolidprefix* 123. Revise the pool IDs. And use commas to enter multiple values.	*Cause* - *Action* Revise the pool IDs. And use commas to enter multiple values.

Message ID	Message Text	Description
KAIC16177-E	Enter a value larger than 0.	*Cause* - *Action* -
KAIC16178-E	The task duration was not specified. Enter the task duration.	*Cause* - *Action* Enter the task duration.
KAIC16179-E	The parity group of the search condition is specified incorrectly. Verify the parity group.	*Cause* - *Action* Verify the parity group.
KAIC16180-E	The specified value is outside the valid range. Specify an integer from *minimum* to *maximum*.	*Cause* - *Action* Specify an integer from *minimum* to *maximum*.
KAIC16181-E	Use commas to enter multiple values.	*Cause* - *Action* -
KAIC16182-E	Use a hyphen to enter a range of values. Specify only one range.	*Cause* - *Action* -
KAIC16183-E	You can enter only one value for this operator.	*Cause* - *Action* -
KAIC16184-E	You cannot use more than one LDEV ID format. The format can be one of 123, 00:12, or 00:12:34.	*Cause* - *Action* -
KAIC16185-E	The pool ID format is *pool-ID-prefix* 123.	*Cause* - *Action* -
KAIC16186-I	All the selected volumes do not belong to the same storage system. Select volumes that	*Cause* - *Action*

Message ID	Message Text	Description
	belong to the same storage system.	Select volumes that belong to the same storage system.
KAIC16187-E	The capacity must be larger than the current capacity. Specify a value larger than *current-capacity*.	*Cause* - *Action* Specify a value larger than *current-capacity*.
KAIC16188-E	You cannot specify a capacity that exceeds the subscription limit of the pool. Specify a value no larger than *limit-of-expanded-capacity*.	*Cause* - *Action* Specify a value no larger than *limit-of-expanded-capacity*.
KAIC16189-W	The subscription of the pool will exceed the warning threshold after expanding the volume. Expand the pool after expanding the volume.	*Cause* - *Action* Expand the pool after expanding the volume.
KAIC16190-E	Unable to find the specified host. The specified host might be deleted. Cancel the operation and verify the resources.	*Cause* The specified host might be deleted. *Action* Cancel the operation and verify the resources.
KAIC16191-E	The user ID is not entered. Enter a user ID.	*Cause* - *Action* Enter a user ID.
KAIC16192-E	The password is not entered. Enter a password.	*Cause* - *Action* Enter a password.
KAIC16193-W	Request timed out. Add additional criteria and try again.	*Cause* - *Action* Add additional criteria and try again.
KAIC16194-E	Unable to expand the DP volume because the total DP volume capacity (*total-dp-volume-capacity*) exceeds the capacity limit of the storage system (*maximum-total-dp-volume-capacity-in-storage-system*).	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16195-W	Only Device Manager and Tiered Storage Manager license information appears because server initialization has not completed. To manage licenses of other products, close this dialog, wait a few minutes, and try again.	*Cause* - *Action* To manage licenses of other products, close this dialog, wait a few minutes, and try again.
KAIC16196-W	No licenses are registered for your product. More information does not appear because the server initialization has not completed. Wait a few minutes, and refresh the screen.	*Cause* - *Action* Wait a few minutes, and refresh the screen.
KAIC16197-E	The file server name contains an invalid character. Use only the following valid characters : A-Z, a-z, 0-9, '!', '#', '$', '%', '&', ''', '(', ')', '+', '-', '.', '=', '@', '[', ']', '^', '_', '{', '}', '`', ':', '~'.	*Cause* - *Action* Use only the following valid characters : A-Z, a-z, 0-9, '!', '#', '$', '%', '&', ''', '(', ')', '+', '-', '.', '=', '@', '[', ']', '^', '_', '{', '}', '`', ':', '~'.
KAIC16198-E	The file server name is too long. Input file server name within 50 characters.	*Cause* - *Action* Input file server name within 50 characters.
KAIC16199-E	The host name contains an invalid character. Use only the following valid characters : A-Z, a-z, 0-9, '!', '#', '$', '%', '&', ''', '(', ')', '+', '-', '.', '=', '@', '[', ']', '^', '_', '{', '}', '`', ':', '~'.	*Cause* - *Action* Use only the following valid characters : A-Z, a-z, 0-9, '!', '#', '$', '%', '&', ''', '(', ')', '+', '-', '.', '=', '@', '[', ']', '^', '_', '{', '}', '`', ':', '~'.
KAIC16200-E	The host name is too long. Input file server name within 50 characters.	*Cause* - *Action* Input file server name within 50 characters.
KAIC16201-I	The file server was edited.	*Cause* - *Action* -
KAIC16202-E	There are not enough LU numbers. Change the storage ports or specify LU numbers automatically.	*Cause* -

Message ID	Message Text	Description
		Action Change the storage ports or specify LU numbers automatically.
KAIC16203-E	LU numbers are duplicated. The LU numbers "*duplicate-luns*" are duplicated for the volumes "*duplicate-volumes*". Specify a different LU number for each volume.	*Cause* - *Action* Specify a different LU number for each volume.
KAIC16204-E	An LU number was not specified or volume allocation information for an LU number changed. Open the [Select LU Number] dialog box from [Host Group and LUN Settings], and select a LUN.	*Cause* - *Action* Open the [**Select LU Number**] dialog box from [**Host Group and LUN Settings**], and select a LUN.
KAIC16205-E	Specify the label so that its length does not exceed *maximum-length* characters with [*initial-value-label*].	*Cause* - *Action* -
KAIC16206-E	Specify no more than *number-of-digits* digits for [*initial-value-label*]. The length cannot exceed *maximum-length* characters with [*initial-value-label*]. If you modify [*volume-count-label*], also modify [*initial-value-label*].	*Cause* - *Action* -
KAIC16207-E	Use up to *maximum-length* characters.	*Cause* - *Action* -
KAIC16208-E	Multiple target hosts are selected. Select only a single host for the target host.	*Cause* - *Action* Select only a single host for the target host.
KAIC16209-W	If the User Defined Threshold (Depletion) is set, used threshold 1 cannot be changed.	*Cause* - *Action* -
KAIC16210-E	Other than a normal host or a manually added virtualization server is selected. Select a normal host or a manually added virtualization server as a target host.	*Cause* - *Action* Select a normal host or a manually added virtualization server as a target host.

Message ID	Message Text	Description
KAIC16211-E	Specify a resource group name.	*Cause* - *Action* -
KAIC16212-E	Unable to find the specified resource group. It may be deleted. Cancel the operation and verify the resource group.	*Cause* - *Action* Cancel the operation and verify the resource group.
KAIC16213-E	The specified resource group name is not valid. You cannot use multi-byte characters or: \\ / : , ; * ? " < > | Enter a valid resource group name.	*Cause* - *Action* Enter a valid resource group name.
KAIC16214-E	Unable to select resources. Verify that the target storage system has resources that can be registered.	*Cause* - *Action* Verify that the target storage system has resources that can be registered.
KAIC16215-E	Too many volumes meet your specifications. Too many volumes meet your specifications. Modify your specifications.	*Cause* Too many volumes meet your specifications. *Action* Modify your specifications.
KAIC16217-E	Unable to select users. Add users.	*Cause* - *Action* Add users.
KAIC16218-E	Unable to select resource groups. Add resource groups.	*Cause* - *Action* Add resource groups.
KAIC16219-W	The selected storage system port "*port-name*" is an FCoE port. Make sure to also select an FCoE port for the host port.	*Cause* - *Action* Make sure to also select an FCoE port for the host port.
KAIC16220-E	Can not Selected FCoE port.(port name=*port-name*) Select FC port.	*Cause* - *Action*

Message ID	Message Text	Description
		Select FC port.
KAIC16221-W	A LUSE volume is selected. Related representative and non-representative volumes will also be registered.	*Cause* - *Action* -
KAIC16222-W	A pool volume is selected. Related volumes will also be registered.	*Cause* - *Action* -
KAIC16223-I	A resource group was modified.	*Cause* - *Action* -
KAIC16224-I	A resource group was deleted.	*Cause* - *Action* -
KAIC16225-I	User group "*user-group-name*" was added.	*Cause* - *Action* -
KAIC16226-I	User group "*user-group-name*" was modified.	*Cause* - *Action* -
KAIC16227-E	The specified user group name is not valid. You cannot use multi-byte characters or: \\ / : , ; * ? " < > | Enter a valid user group name.	*Cause* - *Action* Enter a valid user group name.
KAIC16228-E	The user group name is too long. Specify no more than 64 characters.	*Cause* - *Action* Specify no more than 64 characters.
KAIC16229-E	The user group "*user-group-name*" already exists. Specify another name.	*Cause* - *Action* Specify another name.
KAIC16230-E	Specify a user group name.	*Cause* -

Message ID	Message Text	Description
		Action -
KAIC16231-E	Specify a description no longer than *max* characters.	*Cause* - *Action* -
KAIC16232-W	None of the storage systems can be selected. No storage systems are registered for which resource groups can be created or edited.	*Cause* No storage systems are registered for which resource groups can be created or edited. *Action* -
KAIC16233-E	The specified resources cannot be removed from the resource group. A resource group must have at least one resource. Select the resources again or delete the resource group.	*Cause* A resource group must have at least one resource. *Action* Select the resources again or delete the resource group.
KAIC16234-I	Resources were removed from the resource group.	*Cause* - *Action* -
KAIC16235-I	Resources were added to the resource group.	*Cause* - *Action* -
KAIC16236-I	Users were removed from the user group.	*Cause* - *Action* -
KAIC16237-I	Users were added to the user group.	*Cause* - *Action* -
KAIC16238-I	Resource groups were removed from the user group.	*Cause* - *Action* -
KAIC16239-I	Resource groups were added to the user group.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC16240-I	The role of the resource group was modified.	*Cause* - *Action* -
KAIC16241-I	Host groups created in a port are set up in the same resource group.	*Cause* - *Action* -
KAIC16242-E	The specified paths cannot be removed because a host group or iSCSI target (*host-group-number*) for which you do not have permission is allocated. Ask the system administrator to grant you the appropriate permissions.	*Cause* - *Action* Ask the system administrator to grant you the appropriate permissions.
KAIC16243-W	A LUSE volume is selected. Related representative and non-representative volumes are also going to be deleted.	*Cause* - *Action* -
KAIC16244-W	A pool volume is selected. Related volumes are also going be deleted.	*Cause* - *Action* -
KAIC16245-E	Host Data Collector does not support IPv6.	*Cause* - *Action* -
KAIC16246-E	Some user groups cannot assigned to a user. Either default user groups are selected, or a default user group and user-defined user groups are selected. Revise the user group selection.	*Cause* Either default user groups are selected, or a default user group and user-defined user groups are selected. *Action* Revise the user group selection.
KAIC16247-I	A user group has been assigned (user group name = *user-group-name*).	*Cause* - *Action* -
KAIC16248-I	A user group was removed.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC16249-E	The following MF-HDP pools cannot be specified: *pool-id*. This operation cannot be executed for MF-HDP pools. Revise the specification.	*Cause* This operation cannot be executed for MF-HDP pools. *Action* Revise the specification.
KAIC16250-E	Select *selected-resouece* of a same storage system as the target.	*Cause* - *Action* -
KAIC16251-E	The Historical Report dialog box cannot be opened for the storage system. The History Report dialog box is not supported by the storage system.	*Cause* The History Report dialog box is not supported by the storage system. *Action* -
KAIC16252-E	The monitoring period setting is not valid. The end time must be later than the start time. Change the monitoring period.	*Cause* The end time must be later than the start time. *Action* Change the monitoring period.
KAIC16253-E	The monitoring time period is duplicated. The time period marked by a red square is duplicated. Change the settings so that the time period is not duplicated.	*Cause* The time period marked by a red square is duplicated. *Action* Change the settings so that the time period is not duplicated.
KAIC16254-E	The weekdays for which monitoring is set are not selected. Select the weekdays.	*Cause* - *Action* Select the weekdays.
KAIC16255-E	The monitoring schedule template of the specified pool has been deleted. Refresh the screen.	*Cause* - *Action* Refresh the screen.
KAIC16256-E	Use ASCII characters to specify the datastore name.	*Cause* - *Action* -
KAIC16257-E	Specify *minimum-length* to *maximum-length* characters for the datastore name.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC16258-E	Spaces cannot be specified at the beginning or end of the datastore name.	*Cause* - *Action* -
KAIC16259-W	The specified volume capacity exceeds the subscription warning level of the pool.	*Cause* - *Action* -
KAIC16261-W	Some tasks cannot be stopped. Only tasks that are either in progress or stopping can be stopped. Stop tasks that are in progress or stopping.	*Cause* Only tasks that are either in progress or stopping can be stopped. *Action* Stop tasks that are in progress or stopping.
KAIC16262-E	One or more of the selected tasks cannot be canceled. The selected tasks are not being executed or canceled, or are not of a type that can be canceled.	*Cause* The selected tasks are not being executed or canceled, or are not of a type that can be canceled. *Action* -
KAIC16263-I	If the tier management settings are changed, monitoring and volume relocation for this pool stops.	*Cause* - *Action* -
KAIC16264-E	A template name has not been specified.	*Cause* - *Action* -
KAIC16265-E	The specified template name contains one or more invalid characters. Only the following characters can be used: A-Z, a-z, 0-9, spaces, hyphens, underscores, periods, and @. Enter a valid template name.	*Cause* - *Action* Enter a valid template name.
KAIC16266-I	If this template is edited, monitoring and volume relocation for these pools stops.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16267-I	If this template is deleted, monitoring and volume relocation for these pools stops.	*Cause* - *Action* -
KAIC16268-W	One or more tasks for this monitoring schedule template are deleted.	*Cause* - *Action* -
KAIC16269-E	A target volume has not been selected.	*Cause* - *Action* -
KAIC16270-E	Insufficient number of drives selected. Select *number-of-drives* drives.	*Cause* - *Action* Select *number-of-drives* drives.
KAIC16271-E	The Selected parity group number is duplicated. Choose another parity group number.	*Cause* - *Action* Choose another parity group number.
KAIC16272-E	Specify an integer for the port.	*Cause* - *Action* -
KAIC16273-E	Specify an integer from 0 to 65535 for the port.	*Cause* - *Action* -
KAIC16275-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: (1) If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. (2) If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be added must	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. 2. If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be

Message ID	Message Text	Description
	be larger than the LDEV ID of the selected basic volume. (3) CUs must use the same LDEV ID. (4) Drive types must be the same. (5) RAID levels must be the same. (6) Capacities must be the same. (7) FV volumes and CV volumes cannot be together.	added must be larger than the LDEV ID of the selected basic volume. 3. CUs must use the same LDEV ID. 4. Drive types must be the same. 5. RAID levels must be the same. 6. Capacities must be the same. 7. FV volumes and CV volumes cannot be together.
KAIC16276-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: (1) If the volume to be expanded is a LUSE volume, the LDEV IDs must be larger than the largest LDEV ID among the volumes that belong to the LUSE. (2) If the volume to be expanded is a basic volume, the LDEV IDs must be larger than the LDEV ID of this volume. (3) Drive types must be the same. (4) RAID levels must be the same. (5) Internal volumes and external volumes cannot be together. (6) External volume attributes (I/O suppression mode and cache mode) must be the same among the external volumes. (7) External volumes must belong to the same external storage system.	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. If the volume to be expanded is a LUSE volume, the LDEV IDs must be larger than the largest LDEV ID among the volumes that belong to the LUSE. 2. If the volume to be expanded is a basic volume, the LDEV IDs must be larger than the LDEV ID of this volume. 3. Drive types must be the same. 4. RAID levels must be the same. 5. Internal volumes and external volumes cannot be together. 6. External volume attributes (I/O suppression mode and cache mode) must be the same among the external volumes. 7. External volumes must belong to the same external storage system.
KAIC16277-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions:	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions:

Message ID	Message Text	Description
	(1) If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. (2) If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be added must be larger than the LDEV ID of the selected basic volume. (3) The volumes cannot be DP volumes. (4) Drive types must be the same. (5) RAID levels must be the same. (6) Internal volumes and external volumes cannot be together. (7) External volume attributes (cache mode) must be the same among the external volumes. (8) External volumes must belong to the same external storage system.	1. If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. 2. If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be added must be larger than the LDEV ID of the selected basic volume. 3. The volumes cannot be DP volumes. 4. Drive types must be the same. 5. RAID levels must be the same. 6. Internal volumes and external volumes cannot be together. 7. External volume attributes (cache mode) must be the same among the external volumes. 8. External volumes must belong to the same external storage system.
KAIC16278-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: 1. If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. 2. If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be added must be larger than the LDEV ID of the selected basic volume. 3. The volumes cannot be DP volumes. 4. Drive types must be the same. However, the mixing of FMD and SSD in a single LUSE volume is permitted. 5. RAID levels must be the same. 6. Internal volumes and external volumes cannot be together.	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. 2. If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be added must be larger than the LDEV ID of the selected basic volume. 3. The volumes cannot be DP volumes. 4. Drive types must be the same. However, the mixing of FMD and SSD in a single LUSE volume is permitted.

Message ID	Message Text	Description
	7. External volume attributes (cache mode) must be the same among the external volumes. 8. The volumes must belong to the same resource group. 9. It does not belong to the resource group for online data migration. 10. The volumes cannot be NDM attribute volumes. 11. External volumes must belong to the same external storage system.	5. RAID levels must be the same. 6. Internal volumes and external volumes cannot be together. 7. External volume attributes (cache mode) must be the same among the external volumes. 8. The volumes must belong to the same resource group. 9. It does not belong to the resource group for online data migration. 10. The volumes cannot be NDM attribute volumes. 11. External volumes must belong to the same external storage system.
KAIC16279-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: (1) Drive types must be the same. (2) The RAID level of the volumes cannot be RAID 0.	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. Drive types must be the same. 2. The RAID level of the volumes cannot be RAID 0.
KAIC16280-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: (1) Drive types must be the same. (2) The RAID level of the volumes cannot be RAID 0. (3) CLPR must be the same. (4) Stripe size must be the same.	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. Drive types must be the same. 2. The RAID level of the volumes cannot be RAID 0. 3. CLPR must be the same. 4. Stripe size must be the same.
KAIC16281-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: (1) The volumes cannot be DP volumes.	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. The volumes cannot be DP volumes.

Message ID	Message Text	Description
	(2) Drive types must be the same. (3) The RAID level of the volumes cannot be RAID 0. (4) Stripe size must be the same.	2. Drive types must be the same. 3. The RAID level of the volumes cannot be RAID 0. 4. Stripe size must be the same.
KAIC16282-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: (1) The volumes cannot be DP volumes. (2) Drive types must be the same. (3) The RAID level of the volumes cannot be RAID 0. (4) Stripe size must be the same.	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. The volumes cannot be DP volumes. 2. Drive types must be the same. 3. The RAID level of the volumes cannot be RAID 0. 4. Stripe size must be the same.
KAIC16283-E	The relocation time setting is duplicated. The time period marked by a red square is duplicated. Change the settings so that the time period is not duplicated.	*Cause* The time period marked by a red square is duplicated. *Action* Change the settings so that the time period is not duplicated.
KAIC16284-E	Too many drives are selected. Select up to *number-of-drives* drives.	*Cause* - *Action* Select up to *number-of-drives* drives.
KAIC16285-W	The LDEV IDs in a resource group (*auto-selected-resource-group*) will be allocated to the like volumes to be created, because there are no free LDEV IDs in the resource group associated with the LDEV ID of the referenced volume (*referenced-resource-group*).	*Cause* - *Action* -
KAIC16286-W	The volumes cannot be created because there are no free LDEV IDs in the resource group associated with the LDEV ID of a referenced volume (*referenced resource group*). Add LDEV IDs to the resource group, or select a different resource group.	*Cause* - *Action* Add LDEV IDs to the resource group, or select a different resource group.
KAIC16287-W	The referenced volume is a DP volume that was created from a DP pool with the following drive	*Cause* -

Message ID	Message Text	Description
	attributes: *mixed-drive-attributes*. "ANY" will be set for the *mixed-drive-attributes*item.	*Action* -
KAIC16288-W	There are no DP volumes that meet the allocation conditions for the pool associated with the referenced volume, and no volumes can be created from the corresponding pool. A recommended pool will be auto selected.	*Cause* - *Action* A recommended pool will be auto selected.
KAIC16289-I	The task can take some time because one of the items to be deleted is a pool that is made up of external volumes.(Pool ID:*Pool ID*)	*Cause* - *Action* -
KAIC16290-E	Specify the first digit of the parity group number.	*Cause* - *Action* -
KAIC16291-W	The LDEV IDs in a resource group (*auto-selected-resource-group*) will be allocated to the like volumes to be created, because there are no unallocated LDEV IDs that are not associated with the resource group.	*Cause* - *Action* -
KAIC16292-W	Volumes cannot be created because there are no unallocated LDEV IDs that are not already associated with the resource group. Add LDEV IDs to the resource group, or select a different resource group.	*Cause* - *Action* Add LDEV IDs to the resource group, or select a different resource group.
KAIC16293-W	Path settings and host group or iSCSI target settings were automatically changed. You do not have the permissions necessary to change the settings for the host group or iSCSI target being used for the referenced volume path setting. Confirm the path settings and the host group or iSCSI target settings.	*Cause* You do not have the permissions necessary to change the settings for the host group or iSCSI target being used for the referenced volume path setting. *Action* Confirm the path settings and the host group or iSCSI target settings.
KAIC16294-W	There are no hosts that can be re-synchronized.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16295-E	Start time is invalid. Verify the time format.	*Cause* - *Action* Verify the time format.
KAIC16296-E	End time is invalid. Verify the time format.	*Cause* - *Action* Verify the time format.
KAIC16297-E	End time must be later than the start time. Revise the time.	*Cause* - *Action* Revise the time.
KAIC16298-E	Specified start time is earlier than *earliest-time-that-can-be-specified*. The start time cannot be earlier than 30 days before the current time. Revise the time.	*Cause* The start time cannot be earlier than 30 days before the current time. *Action* Revise the time.
KAIC16299-E	Specified end time is later than *latest-time-that-can-be-specified*. The end time cannot be later than the current time. Revise the time.	*Cause* The end time cannot be later than the current time. *Action* Revise the time.
KAIC16300-E	Specified start time is later than *latest-time-that-can-be-specified*. The start time cannot be later than the current time. Revise the time.	*Cause* The start time cannot be later than the current time. *Action* Revise the time.
KAIC16301-E	Specified end time is earlier than *earliest-time-that-can-be-specified*. The end time cannot be earlier than 30 days before the current time. Revise the time.	*Cause* The end time cannot be earlier than 30 days before the present. *Action* Revise the time.
KAIC16302-E	No volumes are available for analysis. All the volumes are selected from the storage systems not supported by this function. Close the dialog box, and select the different volumes.	*Cause* All the volumes are selected from the storage systems not supported by this function. *Action* Close the dialog box, and select the different volumes.
KAIC16303-W	*number-of-ignored-volumes* of the volumes are ignored because they are selected from the storage	*Cause* -

Message ID	Message Text	Description
	systems not supported by this function.	*Action* -
KAIC16304-E	Too many volumes are selected. The number of volumes to analyze must be no more than *max-number-of-volumes*. Select fewer volumes manually.	*Cause* The number of volumes to analyze must be no more than *max-number-of-volumes*. *Action* Select fewer volumes manually.
KAIC16305-E	The selected resource contains no volume. Select a resource that contains some volumes and try again.	*Cause* - *Action* Select a resource that contains some volumes and try again.
KAIC16306-W	The host mode (*Host mode*) is not the same between iSCSI targets (*iSCSI-target*). Select iSCSI targets whose host mode and options are the same.	*Cause* - *Action* Select iSCSI targets whose host mode and options are the same.
KAIC16307-W	A host mode option (*Host mode option*) is not the same between iSCSI targets (*iscsi-target*). Select iSCSI targets whose host mode and options are the same.	*Cause* - *Action* Select iSCSI targets whose host mode and options are the same.
KAIC16308-E	Unable to unallocate volumes. The volume may have been unallocated or used by another task or you do not have permission for host groups. Close the Resource window and verify the volume status.	*Cause* The volume may have been unallocated or used by another task or you do not have Modify permission for host groups. *Action* Close the Resource window and verify the volume status.
KAIC16309-E	There are not enough unsecure ports to replicate the allocation setting of the referenced volume. Manually select unsecure ports.	*Cause* - *Action* Manually select unsecure ports.
KAIC16310-W	Volumes belonging to different resource groups are selected as like volumes.	*Cause* - *Action* -
KAIC16311-W	When a volume allocated to multiple hosts by iSCSI is selected, iSCSI target will be set to "Shared by All Host" by default. Change your setting if necessary.	*Cause* - *Action* Change your setting if necessary.

Message ID	Message Text	Description
KAIC16312-E	The target storage system may not be monitored by Tuning Manager or there are no data during the specified period *time-period*. Host: *host-names*, Agent: *agent-IDs*. Try again after confirm that Tuning Manager is monitoring the storage system or specify the time period when Tuning Manager is monitoring the storage system.	*Cause* - *Action* Try again after confirm that Tuning Manager is monitoring the storage system or specify the time period when Tuning Manager is monitoring the storage system.
KAIC16313-W	The resources may not be monitored by Tuning Manager or there are no data during the specified period *time-period*. Host: *host-names*, Agent: *agent-IDs*, Resource:*resource-names*. Information about the resources on following page may not be correct. Try again after confirm that Tuning Manager is monitoring the storage system or specify the time period when Tuning Manager is monitoring the storage system.	*Cause* - *Action* Try again after confirm that Tuning Manager is monitoring the storage system or specify the time period when Tuning Manager is monitoring the storage system.
KAIC16314-E	Error occurred during detecting resources with warning. Resource: *resource-names*. Try again after go back to previous page or close dialog. If error occurs repeatedly, contact the Support Center.	*Cause* - *Action* Try again after go back to previous page or close dialog. If error occurs repeatedly, contact the Support Center.
KAIC16315-W	Error occurred during detecting resources with warning. Resource: *resource-names*. Information about the resources on following page may not be correct. Try again after go back to previous page or close dialog. If error occurs repeatedly, contact the Support Center.	*Cause* - *Action* Try again after go back to previous page or close dialog. If error occurs repeatedly, contact the Support Center.
KAIC16316-E	Allocation information was changed for volumes without a LUN or volumes related to LUNs. Open the [Select LU Number] dialog box from [iSCSI Target and LUN Settings], and select a LUN.	*Cause* - *Action* Open the [**Select LU Number**] dialog box from [**iSCSI Target and LUN Settings**], and select a LUN.
KAIC16317-E	You cannot select more than 256 volumes. *selected-num* volumes are selected. Select 256 or fewer volumes.	*Cause* *selected-num* volumes are selected. *Action*

Message ID	Message Text	Description
		Select 256 or fewer volumes.
KAIC16318-E	The difference between the Replication Depletion Alert threshold(*replication-depletion-alert-threshold*%) and the Replication Data Released threshold(*replication-data-released-threshold*%) is less than or equal to 5%. Or the Replication Depletion Alert threshold(*replication-depletion-alert-threshold*%) is greater than or equal to the Replication Data Released threshold(*replication-data-released-threshold*%). Modify the thresholds so that the difference between the Replication Depletion Alert threshold(*replication-depletion-alert-threshold*%) and the Replication Data Released threshold(*replication-data-released-threshold*%) is greater than 5%. And the Replication Data Released threshold should be greater than the Replication Depletion Alert.	*Cause* - *Action* Modify the thresholds so that the difference between the Replication Depletion Alert threshold(*replication-depletion-alert-threshold*%) and the Replication Data Released threshold(*replication-data-released-threshold*%) is greater than 5%. And the Replication Data Released threshold should be greater than the Replication Depletion Alert.
KAIC16319-W	Used % (*current-used-percent*%) exceeds the Replication Depletion Alert threshold (*replication-depletion-alert-threshold*%). Specify a value for the Replication Depletion Alert threshold that is greater than its current value.	*Cause* - *Action* Specify a value for the Replication Depletion Alert threshold that is greater than its current value.
KAIC16320-W	Used % (*current-used-percent*%) exceeds the Replication Data Released threshold (*replication-data-released-threshold*%). The capacity used for replication differential data and management data will be released. Specify a value for the Replication Data Released threshold that is greater than its current value.	*Cause* - *Action* Specify a value for the Replication Data Released threshold that is greater than its current value.
KAIC16322-E	There is a file server or NAS module without an alternate path. Edit the paths so that each file server or NAS module in the cluster has an alternate path.	*Cause* - *Action* Edit the paths so that each file server or NAS module in the cluster has an alternate path.
KAIC16323-E	No file systems volumes are selected. Select volumes that are for file systems.	*Cause* -

Message ID	Message Text	Description
		Action Select volumes that are for file systems.
KAIC16324-W	These ports are used for volume allocation not applicable to this operation. The volumes that belong to the host group are visible from the added host ports. (Port name:*port-names*)	*Cause* - *Action* -
KAIC16325-I	The WORM settings are enabled.	*Cause* - *Action* -
KAIC16326-W	Existing reports will be deleted in the order of their creation times (older times first), because the number of reports exceeds the upper limit. (upper limit = *upper-limit*, existing reports = *the-number-of-existing-reports*) If there are unnecessary reports, delete them.	*Cause* - *Action* If there are unnecessary reports, delete them.
KAIC16327-E	Specify a profile name.	*Cause* - *Action* -
KAIC16328-E	Specify a name that is no more than *max-byte* characters.	*Cause* - *Action* -
KAIC16329-E	Specify a description that is no more than *max-byte* characters.	*Cause* - *Action* -
KAIC16330-E	The specified name is invalid. You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ Enter a valid snapshot name.	*Cause* - *Action* Enter a valid snapshot name.
KAIC16331-W	The target host is a file server or NAS module. Check the existence of other file server or NAS module which configures a cluster with the target host. If necessary, the volume is unallocated from the file server or NAS module.	*Cause* - *Action* Check the existence of other file server or NAS module which configures a cluster with the target host. If necessary, the

Message ID	Message Text	Description
		volume is unallocated from the file server or NAS module.
KAIC16332-E	The date and time specified in *fieldname* is not valid. Specify the date and time or clear the entry.	*Cause* - *Action* Specify the date and time or clear the entry.
KAIC16333-E	The date and time specified for *endfieldname* is earlier than *startfieldname*. For *endfieldname*, specify a date and time that is later than *startfieldname*.	*Cause* - *Action* For *endfieldname*, specify a date and time that is later than *startfieldname*.
KAIC16334-E	The number of volumes exceeds *maxvolumenum*. From [Select Volumes], select up to *maxvolumenum* volumes.	*Cause* - *Action* From [**Select Volumes**], select up to *maxvolumenum* volumes.
KAIC16335-W	The number of volumes exceeds *volumenum*. It may take a few minutes to display the chart. If displaying a chart takes too much time, select volumes from [Select volumes].	*Cause* - *Action* If displaying a chart takes too much time, select volumes from [**Select volumes**].
KAIC16336-E	The chart could not be displayed because a timeout occurred with the network connection to Tuning Manager. There might be a problem with the network connection to Tuning Manager, or the load on the Tuning Manager server might be high. Revise the Tuning Manager network settings or status, revise the Tuning Manager environment, and then retry the operation. If the error persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who might ask you to collect troubleshooting information.	*Cause* There might be a problem with the network connection to Tuning Manager, or the load on the Tuning Manager server might be high. *Action* Revise the Tuning Manager network settings or status, revise the Tuning Manager environment, and then retry the operation. If the error persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who might ask you to collect troubleshooting information.
KAIC16337-E	The schedule has not changed. Change the schedule or close this dialog box.	*Cause* - *Action* Change the schedule or close this dialog box.

Message ID	Message Text	Description
KAIC16338-W	More than one profile is scheduled for the same volumes in the same time. (profile = *tierprofilenames*) Revise the profile schedule.	*Cause* - *Action* Revise the profile schedule.
KAIC16339-W	The volume tiering policy is inconsistent with the tiers defined in the profile. (profile = *tierprofilenames*, volumes = *volumenames*) Revise the volume tiering policy. If this schedule definition is not changed, profile may be lost because the data may not be properly reallocated to the hardware tiers.	*Cause* - *Action* Revise the volume tiering policy. If this schedule definition is not changed, profile may be lost because the data may not be properly reallocated to the hardware tiers.
KAIC16341-I	This estimation is the approximate duration of this action when no profiles are already applied for any of the target volumes and the storage system is working under typical workload.	*Cause* - *Action* -
KAIC16342-I	This estimation is the approximate duration of this action when the profile is already applied for all of the target volumes and the storage system is working under typical workload.	*Cause* - *Action* -
KAIC16343-I	This estimation is the approximate duration of this action when the storage system is working under typical workload.	*Cause* - *Action* -
KAIC16344-W	System performance might become slow, because there are too many reports. Delete unnecessary reports.	*Cause* - *Action* Delete unnecessary reports.
KAIC16345-E	The selected storage systems cannot be checked, because they include at least one unsupported storage system. In the previous screen, check the status of the storage systems.	*Cause* - *Action* In the previous screen, check the status of the storage systems.
KAIC16346-E	You do not have permission to delete the report. Select reports for which you have deletion permission.	*Cause* - *Action* Select reports for which you have deletion permission.
KAIC16347-W	Review Now.	*Cause* -

Message ID	Message Text	Description
		Action Review Now.
KAIC16348-E	The number of selected volumes exceeds the limit. Select *num-of-volumes* or fewer volumes.	*Cause* - *Action* Select *num-of-volumes* or fewer volumes.
KAIC16349-E	The selected logical group does not include any DP volumes that are in an HDT pool, or you do not have permission for the volumes. Revise the details of the logical group.	*Cause* - *Action* Revise the details of the logical group.
KAIC16350-E	A health check cannot be performed for one of the selected storage systems. (storage system = *storage-system-name*) Refresh the screen from which the storage system was selected. To verify that a health check is possible, check the "Health Check viable?" column.	*Cause* - *Action* Refresh the screen from which the storage system was selected. To verify that a health check is possible, check the "Health Check viable?" column.
KAIC16351-I	Data placement profile is consistent between Device Manager and the storage system.	*Cause* - *Action* -
KAIC16352-W	Data placement profile is inconsistent between Device Manager and the storage system (*link-to-repair-inconsistencies-dialog*).	*Cause* - *Action* -
KAIC16353-E	Profiles cannot be scheduled. Create profiles before scheduling them.	*Cause* - *Action* Create profiles before scheduling them.
KAIC16354-W	Profiles cannot be scheduled. You do not have permission. Verify that you have the required permissions for the all DP volumes corresponding to profiles.	*Cause* You do not have permission. *Action* Verify that you have the required permissions for the all DP volumes corresponding to profiles.
KAIC16355-E	*fieldname* is not valid. Specify the time and day or clear the entry.	*Cause* - *Action*

Message ID	Message Text	Description
		Specify the time and day or clear the entry.
KAIC16356-E	Cannot operate the specified task. Confirm the status of the specified task. If the task was registered from the [Data Placement Profile Schedule Settings] dialog, operations must be performed on that task from the [Data Placement Profile Schedule Settings] dialog.	*Cause* - *Action* Confirm the status of the specified task. If the task was registered from the [**Data Placement Profile Schedule Settings**] dialog, operations must be performed on that task from the [**Data Placement Profile Schedule Settings**] dialog.
KAIC16357-W	There are no volumes in some scheduled data placement profiles. (Data Placement Profiles:*data-placement-profile-names*) Delete the scheduled profiles with no volumes.	*Cause* - *Action* Delete the scheduled profiles with no volumes.
KAIC16358-W	You cannot perform this operation on tasks registered from the [Data Placement Profile Schedule Settings] dialog. (task name = *task-name*) Perform the operation from the [Data Placement Profile Schedule Settings] dialog.	*Cause* - *Action* Perform the operation from the [**Data Placement Profile Schedule Settings**] dialog.
KAIC16359-W	Admin Services settings cannot be set because a file server in the cluster is being updated or the cluster contains file servers of different firmware versions. To specify Admin Services settings, wait until all file servers in the cluster finish updating, and ensure that the firmware versions of the file servers in the cluster are the same.	*Cause* - *Action* To specify Admin Services settings, wait until all file servers in the cluster finish updating, and ensure that the firmware versions of the file servers in the cluster are the same.
KAIC16360-W	Admin Services settings cannot be specified because the firmware version of the file server is newer than the firmware version of the NAS Manager. To specify Admin Services settings, revise the firmware versions of the NAS Manager and file system.	*Cause* - *Action* To specify Admin Services settings, revise the firmware versions of the NAS Manager and file system.
KAIC16361-W	Dynamic Tiering or Dynamic Provisioning is selected for the volume type. To allocate DP volumes to NAS Platform, manually select volumes that have enough capacity. If the DP pool does not have enough capacity,	*Cause* - *Action* To allocate DP volumes to NAS Platform, manually select volumes that have enough capacity. If the

Message ID	Message Text	Description
	the file system might become corrupted.	DP pool does not have enough capacity, the file system might become corrupted.
KAIC16362-W	To allocate DP volumes to NAS Platform, manually select volumes that have enough capacity for the DP pool. If the DP pool does not have enough capacity, the file system might become corrupted.	*Cause* - *Action* -
KAIC16363-E	The file system name contains invalid characters. Multi-byte characters and the following characters cannot be used: *invalid-characters*	*Cause* - *Action* -
KAIC16364-E	The file system name is too long. Enter no more than *string-length*.	*Cause* - *Action* Enter no more than *string-length*.
KAIC16365-E	The entered file system name (*file-system-name*) cannot be used because it is already in use in *file-server-name-or-cluster-name*. Enter a different file system name.	*Cause* - *Action* Enter a different file system name.
KAIC16366-E	The entered file system name (*file-system-name*) cannot be used because it is reserved for *file-server-name-or-cluster-name*. Enter a different file system name.	*Cause* - *Action* Enter a different file system name.
KAIC16367-E	The path name contains invalid characters. The following characters cannot be used: *invalid-characters*	*Cause* - *Action* -
KAIC16368-E	The path is too long. Enter no more than *string-length*.	*Cause* - *Action* Enter no more than *string-length*.
KAIC16369-E	The path format is not correct. Start with a separator character. You can use *usable-separators* as a separator. The separator cannot be used sequentially.	*Cause* - *Action* Start with a separator character. You can use *usable-separators* as a separator. The separator cannot be used sequentially.
KAIC16370-E	The CIFS share name contains invalid characters. The following	*Cause* - *Action*

Message ID	Message Text	Description
	characters cannot be used: *invalid-characters*	-
KAIC16371-E	The CIFS share name is too long. Enter no more than *string-length*.	*Cause* - *Action* Enter no more than *string-length*.
KAIC16372-E	The entered CIFS share name (*cifs-share-name*) cannot be used because it is already in use in *evs-name*. Specify a different CIFS share name.	*Cause* - *Action* Specify a different CIFS share name.
KAIC16373-E	The entered CIFS share name (*cifs-share-name*) cannot be used because it is reserved for *evs-name*. Specify a different CIFS share name.	*Cause* - *Action* Specify a different CIFS share name.
KAIC16374-E	The NFS export name contains invalid characters. The following characters cannot be used: *invalid-characters*	*Cause* - *Action* -
KAIC16375-E	The NFS export name is too long. Enter no more than *string-length*.	*Cause* - *Action* Enter no more than *string-length*.
KAIC16376-E	The entered NFS export name (*nfs-export-name*) cannot be used because it is already in use in *evs-name*. Specify a different NFS export name.	*Cause* - *Action* Specify a different NFS export name.
KAIC16377-E	The entered NFS export name (*nfs-export-name*) cannot be used because it is reserved for *evs-name*. Specify a different NFS export name.	*Cause* - *Action* Specify a different NFS export name.
KAIC16378-E	The CIFS share comment is too long. Enter no more than *string-length*.	*Cause* - *Action* Enter no more than *string-length*.
KAIC16379-W	The specified file system capacity exceeds the free capacity of the selected storage pool. The capacity of the created file system might be smaller than the specified capacity.	*Cause* - *Action*

Message ID	Message Text	Description
	To create a file system with the specified capacity, select a storage pool with enough free capacity, or expand the storage pool, and then try again.	To create a file system with the specified capacity, select a storage pool with enough free capacity, or expand the storage pool, and then try again.
KAIC16380-E	The selected *file-server-name-or-cluster-name* does not contain an EVS where a file system can be created. Create an EVS, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager and try again, or specify a different file server or cluster.	*Cause* - *Action* Create an EVS, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager and try again, or specify a different file server or cluster.
KAIC16381-E	The selected *file-server-name-or-cluster-name* does not contain a storage pool in which a file system can be created. Create a usable storage pool, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. Alternatively, select a different file server or cluster.	*Cause* - *Action* Create a usable storage pool, and synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation. Alternatively, select a different file server or cluster.
KAIC16382-E	There is no file server or cluster for which a file system can be created. Cancel the operation, and then revise the file server or NAS module environment.	*Cause* - *Action* Cancel the operation, and then revise the file server or NAS module environment.
KAIC16383-E	Performing this operation might delete data on volumes that belong to the LUSE. If appropriate volumes do not exist, create volumes that meet the following conditions: 1. If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. 2. If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be added must be larger than the LDEV ID of the selected basic volume. 3. The volumes cannot be DP volumes. 4. Drive types must be the same. However, the mixing of FMD and	*Cause* - *Action* If appropriate volumes do not exist, create volumes that meet the following conditions: 1. If adding a volume to a LUSE volume, the LDEV ID of the volume to be added must be larger than the largest LDEV ID in the selected LUSE. 2. If creating a LUSE from a selected basic volume, the LDEV ID of the volume to be added must be larger than the LDEV ID of the selected basic volume.

Message ID	Message Text	Description
	SSD in a single LUSE volume is permitted. 5. RAID levels must be the same. 6. Internal volumes and external volumes cannot be together. 7. External volume attributes (cache mode) must be the same among the external volumes. 8. The volumes must belong to the same resource group. 9. External volumes must belong to the same external storage system.	3. The volumes cannot be DP volumes. 4. Drive types must be the same. However, the mixing of FMD and SSD in a single LUSE volume is permitted. 5. RAID levels must be the same. 6. Internal volumes and external volumes cannot be together. 7. External volume attributes (cache mode) must be the same among the external volumes. 8. The volumes must belong to the same resource group. 9. External volumes must belong to the same external storage system.
KAIC16384-W	To allocate DP volumes to NAS Platform, from the Show Plan window, check whether the selected volumes have enough capacity reserved in the DP pool. If capacity is insufficient, the file system might become corrupted.	*Cause* - *Action* -
KAIC16385-W	The specified file system capacity exceeds the upper limit for the capacity of a file system that can be created from the selected storage pool. The capacity of the created file system might be smaller than the specified capacity. To create a file system with the specified capacity, select a storage pool with a large chunk size, and then try again. Note that the upper limit for the capacity of a file system is equal to the chunk size of the storage pool multiplied by *number-of-chunks*.	*Cause* - *Action* To create a file system with the specified capacity, select a storage pool with a large chunk size, and then try again. Note that the upper limit for the capacity of a file system is equal to the chunk size of the storage pool multiplied by *number-of-chunks*.
KAIC16386-W	The capacity of the specified file system is less than 18 GB. The capacity of the created file system might become larger than the specified capacity.	*Cause* - *Action* -
KAIC16387-E	Enter a value smaller than *limitcapacity*.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16388-E	The input label is not valid for the storage system. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .. Use only valid characters in the label.	*Cause* Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .. *Action* Use only valid characters in the label.
KAIC16389-E	Device Manager does not support this operation for HDT pools in storage systems.	*Cause* - *Action* -
KAIC16390-E	The labels for the following volumes are invalid: *volume-id*. Labels are too long (maximum length: *32* characters) or contains characters other than A-Z, a-z, 0-9, space and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .. Revise the labels.	*Cause* Labels are too long (maximum length: *32* characters) or contains characters other than A-Z, a-z, 0-9, space and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .. *Action* Revise the labels.
KAIC16391-W	One or more selected volumes belong to storage systems to which Device Manager cannot reflect labels. The selection contains volumes belong to storage systems to which Device Manager cannot reflect labels.	*Cause* The selection contains volumes belong to storage systems to which Device Manager cannot reflect labels. *Action* -
KAIC16392-W	Part of the setting (*allocation-threshold*) for the allocation threshold of the selected tiering policy was disregarded because the number of hardware tiers for the target pool is *number-of-hardware-tiers*.	*Cause* - *Action* -
KAIC16393-E	The specified allocation thresholds are invalid. The specified minimum is greater than the specified maximum. Specify a minimum value that is less than or equal to the maximum value.	*Cause* The specified minimum is greater than the specified maximum. *Action* Specify a minimum value that is less than or equal to the maximum value.
KAIC16394-E	The specified allocation thresholds are invalid. The sum of the minimum of tier 1 and the minimum of tier 3 is over 100%. Specify minimum values for tier 1	*Cause* The sum of the minimum of tier 1 and the minimum of tier 3 is over 100%.

Message ID	Message Text	Description
	and tier 3 so that the sum of the two values is 100% or less.	*Action* Specify minimum values for tier 1 and tier 3 so that the sum of the two values is 100% or less.
KAIC16395-W	One or more volumes are already using the selected tiering policy. When the tiering policy is customized, changes apply to all volumes that already use the policy.	*Cause* - *Action* -
KAIC16396-E	The Manage File Servers window cannot be opened when a HDI/ HNAS F cluster is selected. Click the appropriate cluster link, select a file server that is in the cluster from the [Physical View] tab, and then open the Manage File Servers window.	*Cause* - *Action* Click the appropriate cluster link, select a file server that is in the cluster from the [**Physical View**] tab, and then open the Manage File Servers window.
KAIC16397-I	The selected file systems belong to different file servers. Select file systems that belong to the same file server.	*Cause* - *Action* Select file systems that belong to the same file server.
KAIC16398-E	The selected items have no reports associated with them. No reports will be exported. Select items for which reports can be exported.	*Cause* - *Action* Select items for which reports can be exported.
KAIC16399-W	One or more selected items have no reports associated with them. Only items that have reports associated with them will be exported.	*Cause* - *Action* -
KAIC16400-E	This operation is not available because another user is currently exporting a report. Wait a few minutes, and then try again.	*Cause* - *Action* Wait a few minutes, and then try again.
KAIC16401-E	An error occurred. Communication with the server stopped. Check the network status, and verify that the Device Manager Web Service is running properly.	*Cause* - *Action* Check the network status, and verify that the Device Manager Web Service is running properly.
KAIC16402-E	None of the reports to be exported exist. The reports might have been	*Cause* -

Message ID	Message Text	Description
	deleted. Cancel the operation, and then check the reports.	*Action* Cancel the operation, and then check the reports.
KAIC16403-W	Some of the reports to be exported do not exist. The reports might have been deleted. Cancel the operation, and then check the reports.	*Cause* - *Action* Cancel the operation, and then check the reports.
KAIC16404-E	An error occurred while reports were being exported. Check the network status, whether the Device Manager Web Service is running properly, whether there is enough unused capacity on the export-destination drive, and whether the specified folder exists at the export destination.	*Cause* - *Action* Check the network status, whether the Device Manager Web Service is running properly, whether there is enough unused capacity on the export-destination drive, and whether the specified folder exists at the export destination.
KAIC16405-E	Specify a schedule name.	*Cause* - *Action* -
KAIC16406-E	The schedule name contains an invalid character. Specify a valid schedule name.	*Cause* - *Action* Specify a valid schedule name.
KAIC16407-E	The schedule name is too long. Specify a schedule name that is no more than 64 bytes.	*Cause* - *Action* Specify a schedule name that is no more than 64 bytes.
KAIC16408-E	The schedule description is too long. Write a description that is no more than 500 bytes.	*Cause* - *Action* Write a description that is no more than 500 bytes.
KAIC16409-E	No more than 10 email addresses can be specified. Specify no more than 10 email addresses.	*Cause* - *Action* Specify no more than 10 email addresses.
KAIC16410-E	No storage systems are available for analysis. Perhaps none of the	*Cause* -

Message ID	Message Text	Description
	storage systems support analysis, or Tuning Manager is not monitoring any of them. Close the dialog box, and then make sure that Tuning Manager is monitoring the storage systems.	*Action* Close the dialog box, and then make sure that Tuning Manager is monitoring the storage systems.
KAIC16411-W	One or more of the selected storage systems do not support health checks. Such storage systems will be ignored. (storage systems = *storage-system-name*)	*Cause* - *Action* -
KAIC16412-W	One or more of the selected storage systems might not be monitored by Tuning Manager, so they will be ignored. (storage systems = *storage-system-name*) To add a storage system to the schedule as an analysis target, verify that Tuning Manager is monitoring it, and then refresh the storage systems.	*Cause* - *Action* To add a storage system to the schedule as an analysis target, verify that Tuning Manager is monitoring it, and then refresh the storage systems.
KAIC16413-W	One or more of the selected storage systems might not be monitored by Tuning Manager. Such storage system will be removed from the analysis targets. (storage systems = *storage-system-name*) If you need the storage systems added to the schedule for target storage, verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* - *Action* If you need the storage systems added to the schedule for target storage, verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC16414-W	One or more of the selected storage systems might not have been added by Device Manager. Such storage systems will be removed from the analysis targets. (storage systems = *storage-system-name*) If you need to add a storage system to the schedule as an analysis target, verify that Device Manager and Tuning Manager are monitoring the storage system, and then refresh them.	*Cause* - *Action* If you need to add a storage system to the schedule as an analysis target, verify that Device Manager and Tuning Manager are monitoring the storage system, and then refresh them.
KAIC16415-W	Data collection from Tuning Manager was not performed for one or more of the selected storage systems. (storage systems = *storage-system-name*) To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring the	*Cause* - *Action* To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring

Message ID	Message Text	Description
	storage system, and then refresh it.	the storage system, and then refresh it.
KAIC16416-W	Data collection from Tuning Manager failed for one or more of the selected storage systems. (storage systems = *storage-system-name*) To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.	*Cause* - *Action* To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.
KAIC16417-W	Information for one or more of the selected storage systems might not be up-to-date. (storage systems = *storage-system-name*) To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.	*Cause* - *Action* To execute a scheduled health check for a storage system, verify that Tuning Manager is monitoring it, and then refresh the storage systems.
KAIC16418-E	Revise the SMTP server host name or IP address setting. Sending of a notification email for the scheduled health check results might have failed. To send the scheduled health check results by email, specify the host name or IP address of the SMTP server.	*Cause* - *Action* To send the scheduled health check results by email, specify the host name or IP address of the SMTP server.
KAIC16419-W	Revise the SMTP server port number setting. Sending of a notification email for the scheduled health check results might have failed. To send the scheduled health check results by email, specify the port number of the SMTP server.	*Cause* - *Action* To send the scheduled health check results by email, specify the port number of the SMTP server.
KAIC16420-W	An email notification setting is invalid, so email will not be sent even though email notification is enabled.	*Cause* - *Action* -
KAIC16421-W	The specified execution time occurs when daylight saving time switches. Health checks scheduled at *time-of-execution-skipped-due-to-daylight-savings* will be skipped. Revise the analysis date range or execution time.	*Cause* - *Action* Revise the analysis date range or execution time.
KAIC16422-W	The allocation setting of the referenced volume cannot be replicated. The allocation setting	*Cause* The allocation setting information of the referenced volume cannot

Message ID	Message Text	Description
	information of the referenced volume cannot be replicated, because the storage system specification has changed. Restart this dialog box to regenerate the allocation setting.	be replicated, because the storage system specification has changed. *Action* Restart this dialog box to regenerate the allocation setting.
KAIC16423-E	An unexpected error occurred while the export window was being displayed. To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC16424-E	An unexpected error occurred while reports were being exported. To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC16425-W	This operation replaces the volume labels and pool names in Device Manager with the storage system volume labels and pool names.	*Cause* - *Action* -
KAIC16426-W	This operation replaces the storage system volume labels.	*Cause* - *Action* -
KAIC16427-W	This operation replaces the storage system volume labels with the current Device Manager labels.	*Cause* - *Action* -
KAIC16428-W	This operation replaces the pool name in the storage system.	*Cause* - *Action* -
KAIC16429-W	The subscription limit and warning values must both be specified. The default value was used for the subscription value that was not specified.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16430-E	The entered user name or group name is already in use. Enter a different user or group name.	*Cause* - *Action* Enter a different user or group name.
KAIC16431-E	The user name or group name is too long. Enter no more than *string-length*.	*Cause* - *Action* Enter no more than *string-length*.
KAIC16432-E	The string of characters entered into the access configuration is too long. Enter no more than *string-length*.	*Cause* - *Action* Enter no more than *string-length*.
KAIC16433-W	This operation might fail because the selected share or export is not related to a file system. If there are any problems, create a file system that can modify shares and exports in EVS, relate the shares and exports to the new file system, and then retry the operation.	*Cause* - *Action* If there are any problems, create a file system that can modify shares and exports in EVS, relate the shares and exports to the new file system, and then retry the operation.
KAIC16434-W	This operation might fail because the selected share or export is not related to a file system. If there are any problems, select a file system.	*Cause* - *Action* If there are any problems, select a file system.
KAIC16435-E	The specified value is outside the valid range. Specify an integer from *minimum* to *maximum*.	*Cause* - *Action* Specify an integer from *minimum* to *maximum*.
KAIC16436-E	The path format is not correct. You can use *usable-separators* as a separator. The separator cannot be used sequentially.	*Cause* - *Action* You can use *usable-separators* as a separator. The separator cannot be used sequentially.
KAIC16437-E	The graph cannot be displayed because no performance information exists. Execute monitoring for this HDT pool, and then retry the operation.	*Cause* - *Action* Execute monitoring for this HDT pool, and then retry the operation.

Message ID	Message Text	Description
KAIC16438-W	The performance graph cannot be displayed because it is currently being updated. Resolve the problem according to the following detailed information, and then click [Refresh View] or redisplay the window. (detailed information = *msg*)	*Cause* - *Action* Resolve the problem according to the following detailed information, and then click [**Refresh View**] or redisplay the window. (detailed information = *msg*)
KAIC16439-W	The displayed information might not be the most recent; the performance graph is currently being updated. Wait a few minutes, and then click [Refresh View] or redisplay the window.	*Cause* - *Action* Wait a few minutes, and then click [**Refresh View**] or redisplay the window.
KAIC16440-W	The specified path was not found. This operation might fail because [Create path if it does not exist] is not selected. If there are any problems, select [Create path if it does not exist].	*Cause* This operation might fail because [**Create path if it does not exist**] is not selected. *Action* If there are any problems, select [**Create path if it does not exist**].
KAIC16441-I	If the process for setting the access configurations for a CIFS share fails, default access is created for the CIFS share which allows access by all clients.	*Cause* - *Action* -
KAIC16442-I	If the process for setting the access configurations for a NFS export fails, default access is created for the NFS export which allows access by all clients.	*Cause* - *Action* -
KAIC16443-I	After a CIFS share is created, the Everyone user permissions will be updated as specified. If setting the permissions fails, a CIFS share with the Everyone user permissions set to Full Control will be created by default.	*Cause* - *Action* -
KAIC16444-W	There is no change for this share or export.	*Cause* - *Action* -
KAIC16445-W	DP volumes can be created and expanded even when the DP pool subscription rate exceeds the maximum subscription rate.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC16446-W	Performing this operation will cause the DP pool subscription rate (*subscription*%) to exceed the maximum subscription rate (*maximum-subscription-limit*%) because the Limit Enforcement option is enabled.	*Cause* - *Action* -
KAIC16447-W	The DP pool subscription rate (*subscription*%) currently exceeds the maximum subscription rate (*maximum-subscription-limit*%) because the Limit Enforcement option is enabled.	*Cause* - *Action* -
KAIC16448-W	The value set for the file system allocation limit exceeds the capacity of the storage pool. This might cause the set allocation limit to function improperly. Check and, if necessary, revise the specified allocation limit. If there are no problems, expand the file system.	*Cause* - *Action* Check and, if necessary, revise the specified allocation limit. If there are no problems, expand the file system.
KAIC16449-W	The correct information cannot be displayed because the capacity of the selected file system is unknown. To display the correct information, check the file system status, and then return the file system to the Normal status. After that, use NAS Manager to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.	*Cause* - *Action* To display the correct information, check the file system status, and then return the file system to the Normal status. After that, use NAS Manager to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.
KAIC16450-E	The entered value must be greater than the current capacity of the file system. Specify a value greater than *current-capacity*.	*Cause* - *Action* Specify a value greater than *current-capacity*.
KAIC16451-E	The storage pool name is too long. Enter a name no longer than *string-length*.	*Cause* - *Action* Enter a name no longer than *string-length*.
KAIC16452-E	The storage pool name contains invalid characters. Multi-byte characters and the following characters cannot be used: *invalid-characters*.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16453-W	The volumes that belong to the host group are visible from the added host ports.	*Cause* - *Action* -
KAIC16454-E	No hosts exist to allocate volumes to. Cancel the operation and verify the host.	*Cause* - *Action* Cancel the operation and verify the host.
KAIC16455-E	An odd number of blocks cannot be specified for the selected storage system. Use a different unit to specify the capacity, specify an even number of blocks, or select a storage system that supports odd-numbered blocks.	*Cause* - *Action* Use a different unit to specify the capacity, specify an even number of blocks, or select a storage system that supports odd-numbered blocks.
KAIC16456-E	The value specified for [IP Address/Host Name] ("*controller-0*", "*controller-1*") is not in a consistent input format (is not unified to either IP addresses or host names). Unify the input format to either IP addresses or host names.	*Cause* - *Action* Unify the input format to either IP addresses or host names.
KAIC16457-I	The specified WWN "*wwns*" has already been registered in [WWN Pairs]. Verify the pair for which the WWN "*wwns*" has been registered.	*Cause* - *Action* Verify the pair for which the WWN "*wwns*" has been registered.
KAIC16458-W	The information for the selected host (*host-name*) will not be changed. Running the task will modify the LUN path information and the WWN Nickname, but will not change the host information. After running the task, refresh the host. After executing the operation, refresh the host information.	*Cause* - *Action* After executing the operation, refresh the host information.
KAIC16459-W	The selected host (*host-name*) contains one or more iSCSI targets. iSCSI targets are not displayed in this dialog box.	*Cause* - *Action* -
KAIC16460-W	No volumes are assigned to the host group to which the selected WWN (*wwn*) is assigned. Either	*Cause* -

Message ID	Message Text	Description
	select a different WWN, or check the status of the resource and, if no problem exists, continue the operation.	*Action* Either select a different WWN, or check the status of the resource and, if no problem exists, continue the operation.
KAIC16461-W	The selected WWNs are already added. (New WWN=*newwwn* Original WWN=*originalwwn*) Select a different WWN pair.	*Cause* - *Action* Select a different WWN pair.
KAIC16462-W	The selected WWNs are already added. (New WWN=*newwwn* Original WWN=*originalwwn*) Select a different WWN pair.	*Cause* - *Action* Select a different WWN pair.
KAIC16463-E	The nickname contains invalid characters. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ' ! - # $ % & ( ) . @ [ ] ^ _ \` { } ~ + =.	*Cause* - *Action* Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ' ! - # $ % & ( ) . @ [ ] ^ _ \` { } ~ + =.
KAIC16464-E	The nickname contains invalid characters. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ' ! - # $ % & ( ) . @ [ ] ^ _ { } ~ + =.	*Cause* - *Action* Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ' ! - # $ % & ( ) . @ [ ] ^ _ { } ~ + =.
KAIC16465-E	The nickname is too long. Enter no more than *length*.	*Cause* - *Action* Enter no more than *length*.
KAIC16466-I	Nicknames of the following WWNs are currently set for individual host groups. If you continue this operation, these nicknames will be unified to the one nickname displayed. Do you want to continue?*nickname*	*Cause* - *Action* -
KAIC16467-W	The WWN nicknames are invalid. The nicknames are too long or contain characters which cannot be used. Revise the WWN nicknames. If necessary, edit WWN nicknames for individual host groups.	*Cause* - *Action* Revise the WWN nicknames. If necessary, edit WWN nicknames for individual host groups.

Message ID	Message Text	Description
KAIC16468-E	Sending email notification of the Health Check task results might have failed because the host name or IP address of the SMTP server is incorrectly specified. Specify the correct host name or IP address of the SMTP server.	*Cause* - *Action* Specify the correct host name or IP address of the SMTP server.
KAIC16469-W	Sending email notification of the Health Check task results might have failed because the port number of the SMTP server is incorrectly specified. Specify the correct port number of the SMTP server.	*Cause* - *Action* Specify the correct port number of the SMTP server.
KAIC16470-I	Drives are ready to be encrypted. (number of drives = *encrypt-drives*) Verify that you want to encrypt the drives.	*Cause* - *Action* Verify that you want to encrypt the drives.
KAIC16471-I	Host removal might take some time because many hosts are selected. We recommend that you remove no more than *numberofhosts* hosts at a time.	*Cause* - *Action* -
KAIC16472-W	The number of volumes allocated to the specified host exceeds *numberofvolumes*. Unallocate several volumes, and then try again.	*Cause* - *Action* Unallocate several volumes, and then try again.
KAIC16473-I	The contents of the latest restarted task are displayed because the specified task has already restarted.	*Cause* - *Action* -
KAIC16474-E	The value for the selected WWN pair is already specified for WWN *wwn*. Select a different WWN pair.	*Cause* - *Action* Select a different WWN pair.
KAIC16476-W	NAS Platform might behave unexpectedly because the number of paths allocated to NAS Platform per volume is 17 or more. Manually edit the paths so that the number of paths per volume is 16 or fewer, and then try again.	*Cause* - *Action* Manually edit the paths so that the number of paths per volume is 16 or fewer, and then try again.
KAIC16477-E	The same WWN are cannot be added.(WWN=*wwn*) An unexpected error occurred.	*Cause* -

Message ID	Message Text	Description
		Action An unexpected error occurred.
KAIC16478-E	The WWN(*targetwwn*) is already in use by host(*hostname*).	*Cause* - *Action* -
KAIC16479-W	The host groups to be deleted include WWNs that are not registered to a host. Performing this operation will delete the host groups. (WWNs not registered to a host = *wwns*) (Host Groups = *host-groups*)	*Cause* - *Action* -
KAIC16480-W	The information for the selected host (*host-name*) will not be changed. Running the task will modify the LUN path information, but will not change the host information. After executing the operation, refresh the host information.	*Cause* - *Action* After executing the operation, refresh the host information.
KAIC16481-E	There is no storage system configured with the WWN of the host port or you do not have the required permissions. Add a storage system with the host group to which WWN of the host port is set. Register a target port and host group to a resource group. Perform the operation as a user with the required permissions.	*Cause* - *Action* Add a storage system with the host group to which WWN of the host port is set. Register a target port and host group to a resource group. Perform the operation as a user with the required permissions.
KAIC16482-I	If the WWN to be added already exists in a host group, the volumes related to the host groups are not displayed in [Affected LUN Path Information].	*Cause* - *Action* -
KAIC16483-I	This storage system does not support shredding. The volumes will be formatted.	*Cause* - *Action* -
KAIC16484-I	Some volumes are skipped because the volumes cannot be shred or formatted. If necessary, check the settings of the selected volumes.	*Cause* - *Action* If necessary, check the settings of the selected volumes.

Message ID	Message Text	Description
KAIC16485-E	You cannot shred or format any of the selected volumes. Check the settings of the selected volumes.	*Cause* - *Action* Check the settings of the selected volumes.
KAIC16486-E	There is no available volume.	*Cause* - *Action* -
KAIC16487-E	The number of selected volumes exceeds the limit. Select 500 or fewer volumes.	*Cause* - *Action* Select 500 or fewer volumes.
KAIC16488-E	iSCSI is not supported for a virtualization server. Remove iSCSI names or select another OS type.	*Cause* - *Action* Remove iSCSI names or select another OS type.
KAIC16489-W	The selected WWNs are already used by other hosts. The WWNs will be removed from those hosts and applied to the host being registered. (hosts = *hostdata*)	*Cause* - *Action* -
KAIC16490-I	The unallocate operation will not be performed, because specified external storage system is undiscovered.	*Cause* - *Action* -
KAIC16491-W	Internal Volumes belonging to Selected Parity Groups will be deleted.	*Cause* - *Action* -
KAIC16492-W	Some parity groups are not available to unvirtualize. Available parity groups are added in the following list. To check unavailable parity groups, click Add/Remove Parity Groups.	*Cause* - *Action* -
KAIC16494-E	No parity group is available to unvirtualize. To check unavailable parity groups, click Add/Remove Parity Groups.	*Cause* - *Action*

Message ID	Message Text	Description
		To check unavailable parity groups, click Add/Remove Parity Groups.
KAIC16495-W	Some parity groups cannot be unvirtualized. Check the following list.	*Cause* - *Action* -
KAIC16496-E	No parity group is available to unvirtualize.	*Cause* - *Action* -
KAIC16498-W	The specified CLPR can be assigned to unallocated DP volumes. The CLPR will not be changed on already-allocated DP volumes.	*Cause* - *Action* -
KAIC16499-W	The specified CLPR can be assigned to unallocated DP volumes. The CLPR will not be changed on already-allocated DP volumes. Please confirm Volume Information in Plan Details.	*Cause* - *Action* -
KAIC16500-I	The Hitachi Universal Volume Manager is not installed on the internal storage system. Only remote command devices can be created by Virtualize Volumes function	*Cause* - *Action* -
KAIC16501-E	No available port was found on the internal storage system. Check settings of the ports.	*Cause* - *Action* -
KAIC16502-I	There is no data for the following metric of selected pool (*selected-pool-id*): *legend-labels-of-metrics-that-has-no-data*. Make sure that *"performance-advisor"-or-tuning-manager"* is monitoring the specified pool (*selected-pool-id*), and then retry the operation. Check the specified pool is being monitored.	*Cause* - *Action* Check the specified pool is being monitored.
KAIC16503-I	The IOPS range was expanded because plotted data is larger than specified IOPS range. Specify larger IOPS range than plotted data.	*Cause* - *Action* Specify larger IOPS range than plotted data.

Message ID	Message Text	Description
KAIC16504-W	Some parity groups cannot be unvirtualized. Check Plan Details.	*Cause* - *Action* -
KAIC16505-W	Some Host Groups cannot be deleted. Check Plan Details.	*Cause* - *Action* -
KAIC16506-W	Some external LUSE volumes cannot be released. Check Plan Details.	*Cause* - *Action* -
KAIC16507-W	Some external volumes cannot be deleted or released. Check Plan Details.	*Cause* - *Action* -
KAIC16508-E	No parity group can be unvirtualized. Check Plan Details.	*Cause* - *Action* -
KAIC16509-W	Device Manager cannot get the serial number from this model of external storage system. If multiple external storage systems of this model are connected to the internal storage system, only select paths that belong to the single external storage system.	*Cause* - *Action* -
KAIC16510-E	No available path was found on any ports. Check the ports, paths, and external storage systems.	*Cause* - *Action* -
KAIC16511-W	No available path was found on the following port(s) : *portswithoutpaths*. Check the port, path, and external storage system.	*Cause* - *Action* -
KAIC16512-W	Some external volumes cannot be deleted. Check Plan Details.	*Cause* - *Action* -
KAIC16513-W	Device Manager cannot distinguish each storage system of this model.	*Cause* -

Message ID	Message Text	Description
	If multiple external storage systems of this model are connected to the internal storage system, see Ext. Storage Port WWN to find a specific storage system. If Ext. Storage Port WWN column is not shown, click Column Settings to select and display.	*Action* -
KAIC16514-W	Unavailable volumes were discovered. Check availability information for details.	*Cause* - *Action* -
KAIC16515-E	No available volume was discovered. Reselect external paths and discover volumes again.	*Cause* - *Action* -
KAIC16516-E	No parity group is found. Select different storage systems.	*Cause* - *Action* Select different storage systems.
KAIC16517-I	Tier 3 contains pool volumes with mixed external LDEV tier ranks.	*Cause* - *Action* -
KAIC16518-W	Scanning for hosts automatically creates hosts with host names that come from the host group/iSCSI Targets which registered on the storage system.	*Cause* - *Action* -
KAIC16521-E	Specify a virtual storage machine name.	*Cause* - *Action* -
KAIC16522-E	Specify a virtual storage machine name that does not exceed *max* characters.	*Cause* - *Action* -
KAIC16523-I	A DP pool volume or a deduplication system data volume is selected. All volumes in the same DP pool will be registered in the virtual storage machine at the same time. If the deduplication function is enabled, deduplication	*Cause* - *Action* -

Message ID	Message Text	Description
	system data volumes will also be registered in the virtual storage machine at the same time.	
KAIC16524-I	A DP pool volume or a deduplication system data volume is selected. All volumes in the same DP pool will be removed from the virtual storage machine at the same time. If the deduplication function is enabled, deduplication system data volumes will also be removed from the virtual storage machine at the same time.	*Cause* - *Action* -
KAIC16525-W	A concatenated parity group is selected. All parity groups that are associated with the selected parity group will be added to the virtual storage machine.	*Cause* - *Action* -
KAIC16526-W	A concatenated parity group is selected. All parity groups that are associated with the selected parity group will be deleted from the virtual storage machine.	*Cause* - *Action* -
KAIC16527-E	An unusable character is entered in the name of the virtual storage machine. The name of a virtual storage machine cannot contain surrogate pairs (4-byte characters). Revise the name of the virtual storage machine.	*Cause* - *Action* Revise the name of the virtual storage machine.
KAIC16528-I	You cannot change the name of default virtual storage machine of a storage system.	*Cause* - *Action* -
KAIC16529-E	The entered value is outside the valid range. Enter a *length* digit integer in the range from *min* to *max*.	*Cause* - *Action* -
KAIC16530-W	The resources cannot be deleted because they include a volume to which a path is assigned. Check the resources.	*Cause* - *Action* Check the resources.
KAIC16531-W	One or more resources cannot be deleted because they are in use by another task. Wait for the other tasks to finish, and then try again.	*Cause* - *Action*

Message ID	Message Text	Description
		Wait for the other tasks to finish, and then try again.
KAIC16532-W	The resources cannot be deleted because they include a host group number that is assigned to a port to which a virtual ID is assigned. Check the resources.	*Cause* - *Action* Check the resources.
KAIC16533-W	The resources cannot be deleted because they include a host group number to which a path is assigned. Check the resources.	*Cause* - *Action* Check the resources.
KAIC16534-W	The resources cannot be deleted because they include a port to which a virtual ID is set. Check the resources.	*Cause* - *Action* Check the resources.
KAIC16535-W	Resources that belong to the resource group (*resourece-group-name*) cannot be deleted. This resource group includes a volume that is currently migrating data that used virtual IDs. Check the resources.	*Cause* This resource group includes a volume that is currently migrating data that used virtual IDs. *Action* Check the resources.
KAIC16536-W	The resources cannot be deleted because they include a volume that is undergoing non-disruptive migration using a virtual ID. Check the resources.	*Cause* - *Action* Check the resources.
KAIC16537-W	The resources cannot be deleted because they include a volume that has the GAD Reserved virtual attribute. Check the resources.	*Cause* - *Action* Check the resources.
KAIC16538-W	Resources that belong to the storage system (*storagesystemname*) cannot be deleted. This storage system includes a volume that is currently migrating data that used virtual IDs. Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.	*Cause* This storage system includes a volume that is currently migrating data that used virtual IDs. *Action* Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.
KAIC16539-I	The host data can not be collected via vMA. The Host Data Collector collect the host data instead of the vMA. Specify a VMware ESX or VMware vCenter Server IP address, user ID, and password.	*Cause* - *Action*

Message ID	Message Text	Description
		Specify a VMware ESX or VMware vCenter Server IP address, user ID, and password.
KAIC16540-W	The file system might not expand to the set file system capacity value if the value exceeds the free capacity of the storage pool. Check the file system capacity value. If the value does not exceed the free capacity of the storage pool, expand the file system.	*Cause* - *Action* Check the file system capacity value. If the value does not exceed the free capacity of the storage pool, expand the file system.
KAIC16541-E	Information about the selected item cannot be displayed. The display history for this window will be removed from the history list. The item might have been deleted or removed.	*Cause* The item might have been deleted or removed. *Action* -
KAIC16542-E	The storage system cannot be added to the virtual storage machine. Only 1 storage system can be added to a virtual storage machine.	*Cause* Only 1 storage system can be added to a virtual storage machine. *Action* -
KAIC16543-E	The default virtual storage machine of a storage system cannot be edited.	*Cause* - *Action* -
KAIC16544-I	Alerts that the source deleted will also be deleted.	*Cause* - *Action* -
KAIC16545-W	The performance data cannot be displayed in minutes because the Tuning Manager API of the Tuning Manager agent that is monitoring the storage system cannot be used. (agent name(s) = *agent-names*) Verify that the Tuning Manager API can be used, and then refresh the storage system.	*Cause* - *Action* Verify that the Tuning Manager API can be used, and then refresh the storage system.
KAIC16546-I	The performance data for the storage system being monitored by the following Tuning Manager agent will be displayed in hours because the Tuning Manager API of the Tuning Manager agent cannot be used. (agent name(s) = *agent-names*)	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16547-W	The specified file-system capacity exceeds the maximum file-system capacity of this storage pool. Therefore, the file system might not be expanded to the specified size. (maximum file-system capacity = *file-system-maximum-potential-capacity*) Check the value specified for the file system capacity. If it is appropriate, expand the file system.	*Cause* - *Action* Check the value specified for the file system capacity. If it is appropriate, expand the file system.
KAIC16548-E	The specified name (*reserved-word*) is a reserved word and cannot be used as the name of a resource group.	*Cause* - *Action* -
KAIC16549-E	The specified name (*name*) cannot be used as the name of a resource group because strings that end with "*reserved-word*" are reserved words. Specify a resource group name that does not end with "*reserved-word*".	*Cause* - *Action* Specify a resource group name that does not end with "*reserved-word*".
KAIC16550-W	A concatenated parity group is selected. All parity groups that are associated with the selected parity group will be added to the resource group.	*Cause* - *Action* -
KAIC16551-W	A concatenated parity group is selected. All parity groups that are associated with the selected parity group will be deleted from the resource group.	*Cause* - *Action* -
KAIC16552-E	The specified name is invalid. You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ Enter a valid template name.	*Cause* - *Action* Enter a valid template name.
KAIC16553-I	One or more of the selected volumes has not been assigned to a resource group. If you continue this operation, such volumes will be assigned to the selected virtual storage machine. Verify that their settings are correct.	*Cause* - *Action* Verify that their settings are correct.
KAIC16554-E	No virtual storage machine was found. The specified virtual storage machine might have been deleted. Cancel the operation and verify the resources.	*Cause* The specified virtual storage machine might have been deleted. *Action*

Message ID	Message Text	Description
		Cancel the operation and verify the resources.
KAIC16555-I	The number of specified resources exceeds *thresholdnum*. It might take a few minutes to register the task.	*Cause* - *Action* -
KAIC16556-W	Quick Format can affect host I/O performance. For details on Quick Format, see the "Hitachi Command Suite User Guide".	*Cause* - *Action* -
KAIC16557-I	The name change was applied to the storage system.	*Cause* - *Action* -
KAIC16558-E	The input name is not valid for the storage system. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ ( ) _ + - = { } [ ] ' .. Use only valid characters in the name.	*Cause* Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ ( ) _ + - = { } [ ] ' .. *Action* Use only valid characters in the name.
KAIC16559-E	Specify a name that does not exceed *max* characters.	*Cause* - *Action* -
KAIC16560-I	No existing volumes are selected in the primary DP pool or parity group.	*Cause* - *Action* -
KAIC16561-E	A LUN path option setting is invalid. A host exists that is not allocated to either a primary or secondary volume. Verify that the LUN path settings are correct.	*Cause* A host exists that is not allocated to either a primary or secondary volume. *Action* Verify that the LUN path settings are correct.
KAIC16562-E	An invalid character was used in the name. Use only the following characters: A-Z a-z 0-9 - _ . @	*Cause* - *Action* Use only the following characters: A-Za-z0-9 - _ . @

Message ID	Message Text	Description
KAIC16563-E	The pair name is too long. Specify a pair name by using no more than 26 characters.	*Cause* - *Action* Specify a pair name by using no more than 26 characters.
KAIC16564-E	The copy group name is too long. Specify a copy group name by using no more than 31 characters.	*Cause* - *Action* Specify a copy group name by using no more than 31 characters.
KAIC16565-E	The entered name is invalid. The name cannot start with a hyphen (-). Specify a different name.	*Cause* The name cannot start with a hyphen (-). *Action* Specify a different name.
KAIC16566-E	The specified value is outside the valid range, for the selected No. of Volumes. Enter a value in the range from 0 to *max-number*.	*Cause* - *Action* Enter a value in the range from 0 to *max-number*.
KAIC16567-E	This field cannot be empty when the number of volumes is greater than 1.	*Cause* - *Action* -
KAIC16568-E	This field cannot be empty. Specify an instance ID.	*Cause* - *Action* Specify an instance ID.
KAIC16569-E	The specified value is outside the valid range. Specify an integer in the range from 0 to 899 or from 999 to 4093.	*Cause* - *Action* Specify an integer in the range from 0 to 899 or from 999 to 4093.
KAIC16572-E	No global-active device pair volume can be allocated. Two or more storage systems must be available that support global-active device.	*Cause* - *Action* Two or more storage systems must be available that support global-active device.
KAIC16573-E	The specified instance ID (*instance-id*) is reserved or is	*Cause* -

Message ID	Message Text	Description
	already in use. Specify a different instance ID.	*Action* Specify a different instance ID.
KAIC16575-W	The selected host mode options for the primary and secondary sides are different.	*Cause* - *Action* -
KAIC16576-W	The selected host modes for the primary and secondary sides are different.	*Cause* - *Action* -
KAIC16577-I	The selected LDEVs have different configurations for the P-VOL and S-VOL.	*Cause* - *Action* -
KAIC16578-E	No quorum disk was found that can be used for the selected primary and secondary storage systems. Set up a quorum disk, or verify that the selected storage systems are correct.	*Cause* - *Action* Set up a quorum disk, or verify that the selected storage systems are correct.
KAIC16579-I	The selected volumes contain global-active device pair volumes. Information about the LUN paths of other volumes in global-active device pair configurations appears at the bottom of the wizard window. Refer to this information when editing LUN paths.	*Cause* - *Action* Information about the LUN paths of other volumes in global-active device pair configurations appears at the bottom of the wizard window. Refer to this information when editing LUN paths.
KAIC16580-W	Information about some other volumes that make up global-active device pairs could not be obtained. The storage systems to which the other global-active device pair volumes belong might not have been added or refreshed, or you do not have permission to view the volume information. Check the status of the storage systems to which the other global-active device pair volumes belong, or execute this task as a user who has permission to view the volume information, or ask the system administrator to grant you the appropriate permissions.	*Cause* The storage systems to which the other global-active device pair volumes belong might not have been added or refreshed, or you do not have permission to view the volume information. *Action* Check the status of the storage systems to which the other global-active device pair volumes belong, or execute this task as a user who has permission to view the volume information, or ask the system administrator to grant you the appropriate permissions.

Message ID	Message Text	Description
KAIC16581-W	The selected pools contain global-active device pair volumes. When changing HDT settings, we recommend applying the same settings to pools that contain other volumes that make up global-active device pairs with volumes in the original affected pool.	*Cause* - *Action* When changing HDT settings, we recommend applying the same settings to pools that contain other volumes that make up global-active device pairs with volumes in the original affected pool.
KAIC16582-E	The task *task-name* failed. Open the task details dialog box and verify the contents of the error message.	*Cause* - *Action* Open the task details dialog box and verify the contents of the error message.
KAIC16583-I	The task (*task-name*) was registered.	*Cause* - *Action* -
KAIC16584-I	The task (*task-name*) completed.	*Cause* - *Action* -
KAIC16585-E	Not enough storage systems are available for global-active device. At least two storage systems that support global-active device are required. Add storage systems.	*Cause* At least two storage systems that support global-active device are required. *Action* Add storage systems.
KAIC16586-E	No storage system that can be selected. Add a storage system that will be used as a quorum storage system.	*Cause* - *Action* Add a storage system that will be used as a quorum storage system.
KAIC16587-E	Quorum disk ID (*quorum-disk-id*) is already in use. Because the target volume is virtualized and used as quorum disk in the remote storage system, the same quorum disk ID (*quorum-disk-id*) must be specified. Revise the specification or remove quorum disk(*quorum-disk-id*) to enable the ID, and then retry the operation.	*Cause* Because the target volume is virtualized and used as quorum disk in the remote storage system, the same quorum disk ID (*quorum-disk-id*) must be specified. *Action*

Message ID	Message Text	Description
		Revise the specification or remove quorum disk(*quorum-disk-id*) to enable the ID, and then retry the operation.
KAIC16588-E	There are no available quorum disk ID. They are used in the internal storage system or the remote storage system. Remove unused quorum disks to enable the same ID in both storage systems, and then retry the operation.	*Cause* They are used in the internal storage system or the remote storage system. *Action* Remove unused quorum disks to enable the same ID in both storage systems, and then retry the operation.
KAIC16589-W	The selected LU start numbers for the primary and secondary sides are different.	*Cause* - *Action* -
KAIC16590-E	This field cannot be empty. Specify a name.	*Cause* - *Action* Specify a name.
KAIC16591-W	The selected volume types for the primary and secondary sides are different.	*Cause* - *Action* -
KAIC16592-W	The total capacity allocated to file systems in the storage pool exceeds the DP pool (storage system = *storagesystemname*, pool ID = *poolid*) capacity used by the storage pool. (total capacity allocate limit to file systems = *total-allocation-limit-of-the-filesystems*, DP pool capacity = *dppool-capacity*) The following problems might occur: (1) Attempts to create a file system fail. (2) The capacity of the file system is smaller than the capacity configured. (3) You cannot write to the file system. Verify the size of the file system and expand the DP pool, if needed.	*Cause* - *Action* Verify the size of the file system and expand the DP pool, if needed.
KAIC16593-W	No DP pool or parity group meets the specified conditions for the Primary Site. Manually select a DP pool or parity group, or modify the specified conditions.	*Cause* - *Action*

Message ID	Message Text	Description
		Manually select a DP pool or parity group, or modify the specified conditions.
KAIC16594-W	The selected numbers of paths for the primary and secondary sides are different.	*Cause* - *Action* -
KAIC16595-W	The selected resources cannot be deleted because they belong to the default virtual storage machine. Cancel the request, or revise the resources to be deleted.	*Cause* - *Action* Cancel the request, or revise the resources to be deleted.
KAIC16596-W	Secondary volumes cannot be set automatically. Select volumes manually, or change the conditions.	*Cause* - *Action* Select volumes manually, or change the conditions.
KAIC16597-E	A quorum disk cannot be created with the specified volume capacity. A capacity larger than 12.01 GB is required for creation of a quorum disk. Revise the volume capacity.	*Cause* A capacity larger than 12.01 GB is required for creation of a quorum disk. *Action* Revise the volume capacity.
KAIC16599-E	The substance specifications differ on the primary and secondary sides. Using the same configuration is recommended. Specify different instance IDs or different pair management servers.	*Cause* - *Action* Specify different instance IDs or different pair management servers.
KAIC16600-E	No remote path is set between the selected storage system at the primary site and any of the storage systems at the secondary site. Set a remote path, or select a different primary storage system.	*Cause* - *Action* Set a remote path, or select a different primary storage system.
KAIC16601-W	Storage characteristics differ on the primary and secondary sides. Using the same configuration is recommended.	*Cause* - *Action* -
KAIC16602-W	The selected volumes contain the following global-active device pair volumes: *ldev-ids* We recommend creating a profile that includes the other volumes that make up the global-active device pairs.	*Cause* - *Action* We recommend creating a profile that includes the other volumes

Message ID	Message Text	Description
		that make up the global-active device pairs.
KAIC16603-E	The profile cannot be created. The selected volumes include a GAD Reserved Volumes (*ldev-ids*). Remove GAD Reserved Volumes from profile or release the GAD Reserved status, and then try the operation again.	*Cause* The selected volumes include a GAD Reserved Volumes (*ldev-ids*). *Action* Remove GAD Reserved Volumes from profile or release the GAD Reserved status, and then try the operation again.
KAIC16604-W	The selected profile contains the following global-active device pair volumes: *ldev-ids* We recommend defining the same profile for the volumes in a global-active device pair. Verify that both the P-VOL and S-VOL are included in the same profile.	*Cause* - *Action* We recommend defining the same profile for the volumes in a global-active device pair. Verify that both the P-VOL and S-VOL are included in the same profile.
KAIC16605-E	The operation cannot be executed for the profile. The selected profile contains one or more GAD Reserved Volumes (*ldev-ids*). Make sure that the GAD Reserved status of each volume (*ldev-ids*) is released, and then try the operation again.	*Cause* The selected profile contains one or more GAD Reserved Volumes (*ldev-ids*). *Action* Make sure that the GAD Reserved status of each volume (*ldev-ids*) is released, and then try the operation again.
KAIC16606-W	The selected volumes include global-active device paired volumes. We recommend performing the same operation on the other volumes that make up global-active device pairs.	*Cause* - *Action* We recommend performing the same operation on the other volumes that make up global-active device pairs.
KAIC16607-W	The target volumes contain the following global-active device pair volumes: *ldev-ids* We recommend editing the tiering policy so that it contains the other volumes that make up global-active device pairs.	*Cause* - *Action* We recommend editing the tiering policy so that it contains the other volumes that make up global-active device pairs.
KAIC16608-W	The total capacity allocated to file systems in the storage pool exceeds the DP pool (storage system = *storagesystemname*, pool ID = *poolid*) capacity used by the storage pool. (total capacity allocate limit to file systems =	*Cause* - *Action* Verify the size of the file system and expand the DP pool, if needed.

Message ID	Message Text	Description
	total-allocation-limit-of-the-filesystems, DP pool capacity = *dppool-capacity*) The following problems might occur: (1) Attempts to expand the file system fail. (2) The capacity of the file system is smaller than the capacity configured. (3) You cannot write to the file system. Verify the size of the file system and expand the DP pool, if needed.	
KAIC16609-E	No pair management server was found for the selected storage system. Set up the pair management server.	*Cause* - *Action* Set up the pair management server.
KAIC16610-E	Multiple volumes cannot be selected and then allocated as command devices. The command device option is valid only when allocating a single volume. Specify only one volume. To allocate multiple volumes as command devices, allocate each command device separately.	*Cause* The command device option is valid only when allocating a single volume. *Action* Specify only one volume. To allocate multiple volumes as command devices, allocate each command device separately.
KAIC16611-E	The selected volume cannot be used for a command device of global-active device. User authentication for the command device is disabled. Select a command device with user authentication enabled.	*Cause* User authentication for the command device is disabled. *Action* Select a command device with user authentication enabled.
KAIC16612-E	The setting for whether to create a new instance ID or use an existing instance ID is different between the primary and secondary sides. Specify the same settings on the primary and secondary sides.	*Cause* - *Action* Specify the same settings on the primary and secondary sides.
KAIC16613-E	The selected pair management server and instance ID on the primary side are the same as those on the secondary side. When using the same pair management server for both the primary and secondary sides, specify a different instance ID for each side.	*Cause* - *Action* When using the same pair management server for both the primary and secondary sides, specify a different instance ID for each side.
KAIC16614-I	Volumes that cannot be changed to global-active device volumes are not displayed.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC16615-E	You cannot remove the selected WWN (*wwn*). The selected WWN is the last WWN in a host group that uses global-active device pair volumes. Cancel the operation and verify that the host group is correct.	*Cause* The selected WWN is the last WWN in a host group that uses global-active device pair volumes. *Action* Cancel the operation and verify that the host group is correct.
KAIC16616-I	Allocating the global-active device pair volumes might take a long time because of initial copying and the reclaiming of zero pages. If the volume capacity is large, processing might take even longer.	*Cause* - *Action* -
KAIC16617-W	The selected DP pool (*pool-ids*) contains a global-active device pair volume. We recommend that you perform the same operations on the DP pool that contains the other volume in the global-active device pair.	*Cause* - *Action* We recommend that you perform the same operations on the DP pool that contains the other volume in the global-active device pair.
KAIC16618-I	HDT pools are selected on both the primary and secondary sides. We recommend using HDT pools that have the same tiering configuration.	*Cause* - *Action* -
KAIC16619-E	The selected pair management server and UDP port on the primary side are the same as those on the secondary side. When using the same pair management server for both the primary and secondary sides, specify a different UDP port for each side.	*Cause* - *Action* When using the same pair management server for both the primary and secondary sides, specify a different UDP port for each side.
KAIC16620-E	One or more DP pool volumes or deduplication system data volumes could not be added. To add a DP pool volume or deduplication system data volume to a resource group, select the pool from the [DP Pools] tab, and then add it.	*Cause* - *Action* To add a DP pool volume or deduplication system data volume to a resource group, select the pool from the [DP Pools] tab, and then add it.
KAIC16621-E	One or more DP pool volumes or deduplication system data volumes could not be removed. To remove a DP pool volume or deduplication system data volume from a	*Cause* - *Action*

Message ID	Message Text	Description
	resource group, select the pool from the [DP Pools] tab, and then remove it.	To remove a DP pool volume or deduplication system data volume from a resource group, select the pool from the [DP Pools] tab, and then remove it.
KAIC16622-I	All volumes in the same DP pool will be registered at the same time. If the deduplication function is enabled, deduplication system data volumes will also be registered at the same time.	*Cause* - *Action* -
KAIC16623-I	All volumes in the same DP pool will be removed at the same time. If the deduplication function is enabled, deduplication system data volumes will also be removed at the same time.	*Cause* - *Action* -
KAIC16624-E	Because the currently selected target storage system will exceed the maximum number of virtual storage machines allowed, select another target storage system. The maximum number of virtual storage machines that can be created is *the-number-of-creatable-virtual-storage-machines*. The current number of created virtual storage machines is *the-number-of-created-vsm*. *the-number-of-vsm-to-be-created* virtual storage machines must be created to migrate volumes from the selected source storage system to a target storage system.	*Cause* The maximum number of virtual storage machines that can be created is *the-number-of-creatable-virtual-storage-machines*. The current number of created virtual storage machines is *the-number-of-created-vsm*. *the-number-of-vsm-to-be-created* virtual storage machines must be created to migrate volumes from the selected source storage system to a target storage system. *Action* -
KAIC16625-E	Enter a migration job name.	*Cause* - *Action* -
KAIC16626-E	Enter a migration job name that does not exceed *max-length* characters.	*Cause* - *Action* -
KAIC16627-E	The entered migration job name contains one or more invalid characters. Valid characters are alphanumeric characters (A-Z, a-z, and 0-9) and spaces, as well as the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' . Enter a name that contains only valid characters.	*Cause* - *Action* Enter a name that contains only valid characters.

Message ID	Message Text	Description
KAIC16628-E	Enter a description that does not exceed *max-length* characters.	*Cause* - *Action* -
KAIC16629-E	The entered description contains one or more invalid characters. Valid characters are alphanumeric characters (A-Z, a-z, and 0-9) and spaces, as well as the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' . Enter a description that contains only valid characters.	*Cause* - *Action* Enter a description that contains only valid characters.
KAIC16630-W	No hosts are available. Register hosts, or select volumes manually.	*Cause* - *Action* Register hosts, or select volumes manually.
KAIC16631-E	The number of migration job volumes exceeds the recommended maximum. Ensure that the total number of volumes registered for the migration job does not exceed *max-ldevs*.	*Cause* - *Action* Ensure that the total number of volumes registered for the migration job does not exceed *max-ldevs*.
KAIC16632-I	The following virtual storage machines will be created. (1) The virtual storage machines to which the model and serial number of the source storage system have been assigned. (2) The virtual storage machines to which the virtual model and virtual serial number of data migration resource groups using virtual IDs have been assigned.	*Cause* - *Action* -
KAIC16633-W	Multiple resource groups that were used for data migration using virtual IDs are assigned to one HDvM resource group (*resource-group-name*). This is not the recommended configuration. The following is recommended: Verify the configuration of the resource groups so that one resource group used for data migration using virtual IDs is assigned to one HDvM resource group.	*Cause* This is not the recommended configuration. *Action* The following is recommended: Verify the configuration of the resource groups so that one resource group used for data migration using virtual IDs is assigned to one HDvM resource group.

Message ID	Message Text	Description
KAIC16634-I	The user groups and associated user group roles assigned to the default resource group of a source storage system will be assigned to the resource groups (*the-name-of-all-resource-groups-that-are-created-in-Virtual-Storage-Machine*) to be created in the virtual storage machine (*target-Virtual-Storage-Machine-name*).	*Cause* - *Action* -
KAIC16635-I	External paths must be set for each virtual storage machine to be created in the target storage system.	*Cause* - *Action* -
KAIC16636-W	The label of a source volume (*volume*) cannot be reflected in the target storage system. The label is too long (maximum number of characters = *32*), or contains invalid characters. Valid characters are A-Z, a-z, 0-9, spaces, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] . ' Revise the label of the source volume. Alternatively, after this task finishes executing, manually set the label of the target volume.	*Cause* The label is too long (maximum number of characters = *32*), or contains invalid characters. Valid characters are A-Z, a-z, 0-9, spaces, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] . ' *Action* Revise the label of the source volume. Alternatively, after this task finishes executing, manually set the label of the target volume.
KAIC16637-E	No mapped port exists. Migration requires a mapped port. Revise the mapped port settings.	*Cause* Migration requires a mapped port. *Action* Revise the mapped port settings.
KAIC16638-I	From among the source storage ports used for external paths between the source storage system and the target virtual storage machine (*vsm-name*), virtual IDs will be set for storage ports without virtual IDs to virtualize the port.	*Cause* - *Action* -
KAIC16639-I	From among the source storage ports used for external paths between the source storage system and the target virtual storage machine (*vsm-name*), virtual IDs will be removed from storage ports with virtual IDs to unvirtualize the port.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16640-E	No external paths are set. Migration requires that external paths be set. Set external paths.	*Cause* Migration requires that external paths be set. *Action* Set external paths.
KAIC16641-E	The number of external paths between the source storage system and the target virtual storage machine (*vsm-name*) exceeds the upper limit (*8*). Remove the unnecessary external path.	*Cause* - *Action* Remove the unnecessary external path.
KAIC16642-W	For a volume excluded from the migration, restore the volume status according to the progress of the migration job, and then restart the migration job, or perform the migration again.	*Cause* - *Action* -
KAIC16643-E	The selected target host group cannot be edited because it has already been created.	*Cause* - *Action* -
KAIC16644-I	Do you want to change the analysis time (*specifieddatetime*)?	*Cause* - *Action* -
KAIC16645-E	The selected storage system does not support MP Blade/Unit analysis.	*Cause* - *Action* -
KAIC16646-E	The selected resource is locked. To move the resource, release the lock.	*Cause* - *Action* To move the resource, release the lock.
KAIC16647-E	The selected resource cannot be moved. Revise the resource allocation lower.	*Cause* - *Action* Revise the resource allocation lower.
KAIC16648-I	If you close this window, the MP Blades/Units Resource Assignment Plan will be lost. Do you want to continue?	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16649-W	One or more volumes allocated to the selected host are allocated to another host. Register a migration job that includes the following host: *recommended-hosts*	*Cause* - *Action* Register a migration job that includes the following host: *recommended-hosts*
KAIC16650-W	In addition to volumes of the selected logical group, volumes not included in the selected logical group are also allocated to the following host: *recommended-hosts* Register a migration job that includes all volumes associated with the host. Add volumes to the migration job as necessary, and then try again.	*Cause* - *Action* Register a migration job that includes all volumes associated with the host. Add volumes to the migration job as necessary, and then try again.
KAIC16651-W	The host to which the selected volumes are allocated does not exist. (volumes = *unallocated-ldev*) The host is not registered in Device Manager, or is allocated to a port for which LUN security is disabled. Register a valid host in Device Manager.	*Cause* The host is not registered in Device Manager, or is allocated to a port for which LUN security is disabled. *Action* Register a valid host in Device Manager.
KAIC16652-E	There are one or more migration target volumes associated with multiple source volumes. Re-specify the target volumes for data migration.	*Cause* - *Action* Re-specify the target volumes for data migration.
KAIC16653-E	The resource selected as a target for an assignment change cannot be locked.	*Cause* - *Action* -
KAIC16654-W	Volumes other than the selected volumes are also assigned to this host. (host name = *recommended-hosts*) Register the migration job so that all host volumes are included.	*Cause* - *Action* Register the migration job so that all host volumes are included.
KAIC16655-E	There are no config files that can be migrated. The config files for the source storage system have not been saved yet, or HDvM cannot recognize them. Refresh the storage system information. If config files were added after you created the migration project,	*Cause* The config files for the source storage system have not been saved yet, or HDvM cannot recognize them. *Action* Refresh the storage system information. If config files were

Message ID	Message Text	Description
	delete the migration project and then re-create the project.	added after you created the migration project, delete the migration project and then re-create the project.
KAIC16656-E	The selected config files include one or more config files that HDvM cannot use to re-create copy pairs in the target storage system. There are conditions on the config files that HDvM can use to re-create copy pairs in a target storage system. From the candidates, remove non-migratable config files.	*Cause* There are conditions on the config files that HDvM can use to re-create copy pairs in a target storage system. *Action* From the candidates, remove non-migratable config files.
KAIC16657-W	The selected config files include one or more config files that have already been migrated to the target storage system. From the candidates, remove the config files that have already been migrated to the target storage system. If you continue without removing these config files, previously migrated config files will be overwritten.	*Cause* - *Action* From the candidates, remove the config files that have already been migrated to the target storage system. If you continue without removing these config files, previously migrated config files will be overwritten.
KAIC16658-E	There are no ShadowImage copy groups that can be created in the target storage system. Either there are no migrated config files that can be used to re-create ShadowImage copy groups in the target storage system, or HDvM cannot recognize them. The target storage system has no primary volumes defined in the config files. Verify that the config file migration task is complete and was successful. Verify that the primary volumes defined in the config files have been created in the target storage system, and have been allocated to the host. Then refresh the storage system information.	*Cause* Either there are no migrated config files that can be used to re-create ShadowImage copy groups in the target storage system, or HDvM cannot recognize them. The target storage system has no primary volumes defined in the config files. *Action* Verify that the config file migration task is complete and was successful. Verify that the primary volumes defined in the config files have been created in the target storage system, and have been allocated to the host. Then refresh the storage system information.
KAIC16659-E	You cannot create more than three ShadowImage copy pairs which use same primary volume. For data migrations that used nondisruptive migration, there are restrictions on the ShadowImage multi-target pair configurations that can be created. After the migration project is complete,	*Cause* For data migrations that used nondisruptive migration, there are restrictions on the ShadowImage multi-target pair configurations that can be created. *Action*

Message ID	Message Text	Description
	create the copy pairs that could not be migrated.	After the migration project is complete, create the copy pairs that could not be migrated.
KAIC16660-E	When ShadowImage copy pairs are in a cascade configuration, you cannot create an L2 copy pair before creating an L1 copy pair. In a cascade configuration, create L1 copy pairs before L2 copy pairs.	*Cause* - *Action* In a cascade configuration, create L1 copy pairs before L2 copy pairs.
KAIC16661-E	One or more config files cannot be saved. In the [Message] column of the "Config Files to Be Saved" table, verify which config files cannot be migrated. Refer to the message to resolve the problem, and then try again.	*Cause* - *Action* In the [**Message**] column of the "Config Files to Be Saved" table, verify which config files cannot be migrated. Refer to the message to resolve the problem, and then try again.
KAIC16662-W	There are one or more config files for which the copy pair configuration cannot be migrated. In the [Message] column of the "Config Files to Be Saved" table, verify which config files cannot be migrated. Refer to the message to resolve the problem, and then try again.	*Cause* - *Action* In the [**Message**] column of the "Config Files to Be Saved" table, verify which config files cannot be migrated. Refer to the message to resolve the problem, and then try again.
KAIC16663-W	One or more volumes not registered in the selected config file are allocated to the following host. (host name = *recommended-hosts*) Create a migration job in units of hosts or volumes.	*Cause* - *Action* Create a migration job in units of hosts or volumes.
KAIC16664-W	The selected volumes are assigned to the following config files. (config files = *recommended-config-files*) Create a migration job in units of config files, hosts, or volumes. Specify the following config files at the same time.	*Cause* - *Action* Create a migration job in units of config files, hosts, or volumes. Specify the following config files at the same time.
KAIC16665-W	One or more volumes registered in the selected config file are assigned to another config file. Specify the following config files at the same time. (config files = *recommended-config-files*)	*Cause* - *Action* Specify the following config files at the same time. (config files = *recommended-config-files*)

Message ID	Message Text	Description
KAIC16666-I	All the config files related to the source storage system have already been saved.	*Cause* - *Action* -
KAIC16667-W	There are no remaining migratable volumes in the source storage system. Delete the migration project.	*Cause* - *Action* Delete the migration project.
KAIC16668-W	One or more config files cannot be migrated. Click the [Add/Remove Config Files] button, and check the reason why the config files cannot be migrated. If you want to use non-migratable config files, resolve the reason why the config files cannot be migrated, and then try again.	*Cause* - *Action* Click the [**Add/Remove Config Files**] button, and check the reason why the config files cannot be migrated. If you want to use non-migratable config files, resolve the reason why the config files cannot be migrated, and then try again.
KAIC16669-I	All config files that could be migrated have already been migrated.	*Cause* - *Action* -
KAIC16670-E	You cannot create two or more ShadowImage copy pairs that use the same secondary-primary volume. For data migrations that used nondisruptive migration, there are restrictions on the ShadowImage multi-target pair configurations that can be created. After the migration project is complete, create the copy pairs that could not be migrated.	*Cause* For data migrations that used nondisruptive migration, there are restrictions on the ShadowImage multi-target pair configurations that can be created. *Action* After the migration project is complete, create the copy pairs that could not be migrated.
KAIC16671-I	There are no user-defined resource groups in the source storage system. Therefore, all resources in the source storage system will be mapped to the virtual storage machine resource pool. Verify the settings and then click [next] button.	*Cause* - *Action* Verify the settings and then click [**next**] button.
KAIC16672-E	The secondary volumes could not be created because the capacity of the selected DP pool or parity group might be insufficient. Check the message in the [Target Pools] or [Target Parity Groups] lists.	*Cause* - *Action*

Message ID	Message Text	Description
		Check the message in the [**Target Pools**] or [**Target Parity Groups**] lists.
KAIC16673-W	The capacity of the selected DP pool might be insufficient. Check the [Message] column of the [Target Pools] table.	*Cause* - *Action* Check the [**Message**] column of the [**Target Pools**] table.
KAIC16674-I	The host mode option (*host-mode-option*) will be set for the following host groups when volumes are virtualized: (*host-group*)	*Cause* - *Action* -
KAIC16675-E	The status of at least one selected volume cannot be changed to "Completed (Manually recover)". (volumes = *ldev-ids*) The selected volumes include at least one volume for which migration is not complete. Check the status of the target volumes.	*Cause* The selected volumes include at least one volume for which migration is not complete. *Action* Check the status of the target volumes.
KAIC16676-E	One or more target secondary volumes are set to multiple source volumes. (target secondary volumes = *ldev-ids*) Re-select the target secondary volumes.	*Cause* - *Action* Re-select the target secondary volumes.
KAIC16678-W	One or more of the selected config files have already been migrated. If you execute this task, these config files will be overwritten. Make sure that overwriting these config files will not cause any problems, and then execute this task.	*Cause* - *Action* Make sure that overwriting these config files will not cause any problems, and then execute this task.
KAIC16679-W	Performance information could not be displayed. (resource type = *resource-type*, storage system name = *storage-system-name*)	*Cause* - *Action* -
KAIC16680-E	The operation is not possible, because you are attempting to use a resource pool of a virtual storage machine that is being used in a data migration using virtual IDs. After the data migration using virtual IDs is complete, try the operation again.	*Cause* - *Action* After the data migration using virtual IDs is complete, try the operation again.

Message ID	Message Text	Description
KAIC16681-I	The default value for the volume capacity was changed because the maximum value of DP volumes that the storage system (*storage-system-name*) can create is *capacity*.	*Cause* - *Action* -
KAIC16683-E	The specified request cannot be performed because a selected parity group includes an external parity group. Select the appropriate parity group, and then try again.	*Cause* - *Action* Select the appropriate parity group, and then try again.
KAIC16684-E	You cannot perform this operation because a selected parity group includes an external parity group. If you want to delete an external parity group, unvirtualize the volume.	*Cause* - *Action* If you want to delete an external parity group, unvirtualize the volume.
KAIC16685-W	If you expand the selected volume, the size of the pool (used capacity) will exceed Used Threshold 1. Expand the volume, and then expand the pool.	*Cause* - *Action* Expand the volume, and then expand the pool.
KAIC16686-E	The DP volume cannot be expanded because the size of the pool (used capacity) will exceed Used Threshold 2. Perform one of the following operations: - Expand the pool - Set the capacity of the volume to *limit-of-expanded-capacity* or lower - Change Used Threshold 2	*Cause* - *Action* Perform one of the following operations: • Expand the pool • Set the capacity of the volume to *limit-of-expanded-capacity* or lower • Change Used Threshold 2
KAIC16687-W	When you allocate a volume with the specified capacity and full allocation enabled, the size of the pool (used capacity) exceeds Used Threshold 1. Expand the pool as necessary.	*Cause* - *Action* Expand the pool as necessary.
KAIC16688-E	When you allocate a volume with the specified capacity and full allocation enabled, the size of the pool (used capacity) exceeds Used Threshold 2. Perform one of the following operations: - Select a different pool - Expand the pool	*Cause* - *Action* Perform one of the following operations: • Select a different pool • Expand the pool

Message ID	Message Text	Description
	- Decrease the capacity of the volume - Disable full allocation - Change Used Threshold 2	• Decrease the capacity of the volume • Disable full allocation • Change Used Threshold 2
KAIC16689-E	The global-active device pair cannot be added to the selected copy group (*copy-group-name*). Device Manager does not support copy groups for which multiple CTG IDs are set. Select copy groups for which only one CTG ID is set.	*Cause* Device Manager does not support copy groups for which multiple CTG IDs are set. *Action* Select copy groups for which only one CTG ID is set.
KAIC16690-I	If you close this window, the settings will be lost. Do you want to continue?	*Cause* - *Action* -
KAIC16691-E	The host cannot be registered in the analysis view. (host name = "*host-name*") More than "*max-host-count*" hosts cannot be registered in an analysis view.	*Cause* More than "*max-host-count*" hosts cannot be registered in an analysis view. *Action* -
KAIC16692-E	A new analysis view cannot be created. You can create up to [Analysis view "*max-analysis-view-count*"] views for an analysis. To create a new analysis view, close the Storage Performance Analysis per Host window, and then try again.	*Cause* You can create up to [Analysis view "*max-analysis-view-count*"] views for an analysis. *Action* To create a new analysis view, close the Storage Performance Analysis per Host window, and then try again.
KAIC16693-E	An analysis chart could not be added. More than "*max-chart-count*" analysis charts cannot be displayed.	*Cause* More than "*max-chart-count*" analysis charts cannot be displayed. *Action* -
KAIC16694-E	The host cannot be registered in the analysis view. (host name = "*host-name*", analysis view name = "*analysis-view-name*", number of hosts that can be added = "*the-host-number-that-i-can-add*") More than "*more-than-host-count*" hosts cannot be registered in an analysis view. Limit the number of hosts registered in an analysis view to "*max-host-count*" or fewer.	*Cause* More than "*more-than-host-count*" hosts cannot be registered in an analysis view. *Action* Limit the number of hosts registered in an analysis view to "*max-host-count*" or fewer.

Message ID	Message Text	Description
KAIC16695-I	The analysis period was changed. Click the [Apply] button.	*Cause* - *Action* Click the [**Apply**] button.
KAIC16696-W	Analysis using the specified analysis period and granularity of data might take a long time to display the table and analysis chart. (granularity of data = "*granularity-of-data*", specified period = "*specified-period*", recommended period = "*recommended-period*") Shorten the analysis period, or use a coarser granularity. If you want to continue processing, click [OK].	*Cause* - *Action* Shorten the analysis period, or use a coarser granularity. If you want to continue processing, click [**OK**].
KAIC16697-I	The settings have been changed. Click the [Show Chart] button.	*Cause* - *Action* Click the [**Show Chart**] button.
KAIC16698-W	Pairs with different full allocation settings on the primary and secondary volumes exist. The full allocation settings on the primary volume should be same as the secondary volume.	*Cause* - *Action* -
KAIC16699-I	The quorum disk setup started in system task *task-name*. (storage system = *storage-system-name*)	*Cause* - *Action* -
KAIC16700-I	The quorum disk setup completed successfully in system task *task-name*.	*Cause* - *Action* -
KAIC16701-E	The quorum disk setup failed in system task *task-name*. Verify the task status in System Tasks. (storage system = *storage-system-name*)	*Cause* - *Action* Verify the task status in System Tasks. (storage system = *storage-system-name*)
KAIC16702-I	The status of the quorum disk setup is *status* in system task *task-name*. Verify the task status in System Tasks. (storage system = *storage-system-name*)	*Cause* - *Action*

Message ID	Message Text	Description
		Verify the task status in System Tasks. (storage system = *storage-system-name*)
KAIC16703-I	The storage system information was updated successfully in system task *task-name*. (storage system = *storage-system-name*)	*Cause* - *Action* -
KAIC16704-E	The storage system information failed to update in system task *task-name*. Verify the task status in System Tasks. (storage system = *storage-system-name*)	*Cause* - *Action* Verify the task status in System Tasks. (storage system = *storage-system-name*)
KAIC16705-E	*number-of-storage-systems* "Discovered" storage systems were found. The number of "Discovered" storage systems exceeds *upper-limit*. Specify SVP IP Address/Host Name again and rediscover.	*Cause* The number of "Discovered" storage systems exceeds *upper-limit*. *Action* Specify SVP IP Address/Host Name again and rediscover.
KAIC16706-E	"Discovered" state storage systems were not found. Specify SVP IP Address/Host Name again and rediscover.	*Cause* - *Action* Specify SVP IP Address/Host Name again and rediscover.
KAIC16708-W	Unable to retrieve performance data. Verify if an error occurred in this display.	*Cause* - *Action* Verify if an error occurred in this display.
KAIC16709-E	An unexpected error occurred. Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. (maintenance information = *maintenance-information*)	*Cause* - *Action* Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. (maintenance information = *maintenance-information*)
KAIC16710-I	For VSP Gx00 and VSP Fx00, when you click the [OK] button, SVP, the maintenance utility is	*Cause* -

Message ID	Message Text	Description
	automatically executed, and the settings for user account authentication in HCS when logging in to CCI are automatically configured.	*Action* -
KAIC16712-E	The storage container cannot be created. No resource group exists in which the storage container can be created. Register a storage system, then create a resource group that contains the target pool. If you do not have permissions to complete the task, ask the system administrator to check and, if necessary, revise your user profile.	*Cause* No resource group exists in which the storage container can be created. *Action* Register a storage system, then create a resource group that contains the target pool. If you do not have permissions to complete the task, ask the system administrator to check and, if necessary, revise your user profile.
KAIC16713-E	Specify a name that does not exceed *max* characters.	*Cause* - *Action* -
KAIC16714-E	Specify a description that does not exceed *max* characters.	*Cause* - *Action* -
KAIC16717-E	The specified paths cannot be assigned. No iSCSI target that the specified port can use exists. Check and, if necessary, revise the specified paths, or ask the system administrator to grant you the appropriate permissions.	*Cause* No iSCSI target that the specified port can use exists. *Action* Check and, if necessary, revise the specified paths, or ask the system administrator to grant you the appropriate permissions.
KAIC16718-I	Allocating the global-active device pair volumes might take a long time because of initial copying. If the volume capacity is large, processing might take even longer.	*Cause* - *Action* -
KAIC16719-W	If you are using an external volume as the HDT pool volume, then do not use a configuration that includes an external volume for which the cache mode is disabled.	*Cause* - *Action* -
KAIC16720-W	Do not use a configuration where both internal and external volumes are used as HDP pool volumes.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC16721-W	If you are using an external volume as the HDP pool volume, then do not use a configuration that includes external volumes for which the cache mode is both disabled and enabled.	*Cause* - *Action* -
KAIC16723-E	One or more storage containers cannot be deleted (storage containers = *storage-container-names*). One or more SLUs exist in the pool of the storage container. Within the capability profile, verify the pool of the target storage container. On the Resources tab, verify the existence of SLUs in this pool, then use Storage Navigator to remove any SLUs. Afterward, try again.	*Cause* One or more SLUs exist in the pool of the storage container. *Action* Within the capability profile, verify the pool of the target storage container. On the Resources tab, verify the existence of SLUs in this pool, then use Storage Navigator to remove any SLUs. Afterward, try again.
KAIC16724-E	The entered profile name cannot be used because it is already being used by a storage container. Enter a different profile name.	*Cause* - *Action* Enter a different profile name.
KAIC16725-E	The entered storage container name contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ Use only permitted characters in the storage container name.	*Cause* You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ *Action* Use only permitted characters in the storage container name.
KAIC16726-E	The entered description contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ Use only permitted characters in the description.	*Cause* You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ *Action* Use only permitted characters in the description.
KAIC16727-E	The entered profile name contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ Use only permitted characters in the profile name.	*Cause* You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @ *Action* Use only permitted characters in the profile name.
KAIC16728-E	The entered description contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the	*Cause* You can use A-Z, a-z, 0-9, spaces, multi-byte characters, and the following characters: - _ . @

Message ID	Message Text	Description
	following characters: - _ . @ Use only permitted characters in the description.	*Action* Use only permitted characters in the description.
KAIC16729-I	The value of capability (*capabilities*) will be updated because the pool configuration changed after the capability profile was set. You can continue operations without interruption, and the updated value will be reflected after you complete a task.	*Cause* - *Action* -
KAIC16730-E	The combination of selected storage systems is not supported. The models of the primary storage system and secondary storage system must be the same. Revise the specification.	*Cause* The models of the primary storage system and secondary storage system must be the same. *Action* Revise the specification.
KAIC16731-W	Both FC and iSCSI paths are selected. Unify to either FC or iSCSI protocols for global-active device paths.	*Cause* - *Action* Unify to either FC or iSCSI protocols for global-active device paths.
KAIC16732-W	The paths cannot automatically be set as secondary paths. Both FC and iSCSI primary paths are selected.	*Cause* Both FC and iSCSI primary paths are selected. *Action* -
KAIC16733-I	For the specified internal storage system, there is at least one external iSCSI port connection. In this dialog box, volumes that use iSCSI ports cannot be virtualized. When using an iSCSI port, please refer to the Help.	*Cause* In this dialog box, volumes that use iSCSI ports cannot be virtualized. *Action* When using an iSCSI port, please refer to the Help.
KAIC16734-E	The volumes cannot be virtualized. For the specified internal storage system, the externally-connectable ports are iSCSI ports. When virtualizing a volume that has an iSCSI port, please refer to the Help.	*Cause* For the specified internal storage system, the externally-connectable ports are iSCSI ports. *Action* When virtualizing a volume that has an iSCSI port, please refer to the Help.
KAIC16735-I	For the specified internal storage system, one or more externally-connected volumes use an iSCSI	*Cause* In this dialog box, an externally connected volume that uses an

Message ID	Message Text	Description
	port. In this dialog box, an externally connected volume that uses an iSCSI port cannot be unvirtualized. When using an iSCSI port, please refer to the Help.	iSCSI port cannot be unvirtualized. *Action* When using an iSCSI port, please refer to the Help.
KAIC16736-E	The volumes cannot be unvirtualized. For the specified internal storage system, the externally-connected volumes use iSCSI ports. When unvirtualizing a volume that uses an iSCSI port, please refer to the Help.	*Cause* For the specified internal storage system, the externally-connected volumes use iSCSI ports. *Action* When unvirtualizing a volume that uses an iSCSI port, please refer to the Help.
KAIC16737-E	An error occurred while saving the PDF. Verify that the location that was specified for the file to be saved has sufficient free space and is writable.	*Cause* - *Action* Verify that the location that was specified for the file to be saved has sufficient free space and is writable.
KAIC16738-W	When both of the following conditions are met, HCS cannot determine whether the externally connected volumes of the primary and secondary quorum disks are the same volume: - A volume of an external storage system that is not managed by HCS is set as a quorum disk. - The volume is connected by iSCSI. Make sure the settings are correct, and then create the global-active device pairs.	*Cause* - *Action* Make sure the settings are correct, and then create the global-active device pairs.
KAIC16739-E	When specifying the VASA Provider name, you can use uppercase and lowercase letters (A-Z and a-z), numbers (0-9), space characters, and the following symbols: ~ ` ! @ # $ ( ) _ + - = { } [ ] ' .	*Cause* - *Action* -
KAIC16740-E	Specify a VASA Provider name that is no more than *max* characters.	*Cause* - *Action* -
KAIC16741-E	Specify a VASA Provider name.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC16742-E	When specifying the IP address and host name, you can use uppercase and lowercase letters (A-Z and a-z), numbers (0-9), space characters, and the following symbols: ~ ` ! @ # $ ( ) _ + - = { } [ ] ' .	*Cause* - *Action* -
KAIC16743-E	Specify the IP address, or host name that is no more than *max* characters.	*Cause* - *Action* -
KAIC16744-E	Specify a VASA Provider name.	*Cause* - *Action* -
KAIC16745-I	Unable to reclaim the zero pages because the host mode option (*hostmodeoption*) of the host group or iSCSI target is enabled for the selected storage port.	*Cause* - *Action* -
KAIC16746-E	The entered storage container name contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ . @ Use only permitted characters in the storage container name.	*Cause* You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ . @ *Action* Use only permitted characters in the storage container name.
KAIC16747-E	The entered description contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ . @ Use only permitted characters in the description.	*Cause* You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ . @ *Action* Use only permitted characters in the description.
KAIC16748-E	The entered profile name contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ . @ Use only permitted characters in the profile name.	*Cause* You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ . @ *Action* Use only permitted characters in the profile name.
KAIC16749-E	The entered description contains one or more incorrect characters. You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ .	*Cause* You can use A-Z, a-z, 0-9, spaces, and the following characters: - _ . @

Message ID	Message Text	Description
	@ Use only permitted characters in the description.	*Action* Use only permitted characters in the description.
KAIC16750-I	Any file systems that are created after NAS Platform is registered in the VASA provider must also be added to the VASA provider.	*Cause* - *Action* -
KAIC16751-W	The Asymmetric Access State "Active/Non-Optimized" specified for the host group is not enabled. ALUA is not set for the volume. If necessary, set ALUA for the volume, or change the Asymmetric Access State of the Host Group.	*Cause* ALUA is not set for the volume. *Action* If necessary, set ALUA for the volume, or change the Asymmetric Access State of the Host Group.
KAIC16752-I	The storage system *primary/secondary* does not support ALUA. If necessary, update the storage system microcode to the latest version.	*Cause* - *Action* If necessary, update the storage system microcode to the latest version.
KAIC16753-W	You must rediscover the volume(*volumes*) on the host before enabling the ALUA settings.	*Cause* - *Action* -
KAIC16754-I	When the Asymmetric Access State of the host group is "Active/Non-Optimized", the ALUA settings are enabled by default.	*Cause* - *Action* -
KAIC16755-E	The volume (*ldevid*) cannot be allocated. For a volume enabled for T10 PI attribute, you cannot specify the path of a port for which the T10 PI mode is disabled. Manually select a volume for which the T10 PI attribute is disabled, or select the path of a port for which T10 PI mode is enabled, and then try again.	*Cause* For a volume enabled for T10 PI attribute, you cannot specify the path of a port for which the T10 PI mode is disabled. *Action* Manually select a volume for which the T10 PI attribute is disabled, or select the path of a port for which T10 PI mode is enabled, and then try again.
KAIC16756-E	The LUN paths of the volume (*ldevid*) cannot be edited. For a volume enabled for T10 PI attribute, you cannot specify the path of a port for which the T10 PI mode is disabled. Select the path	*Cause* For a volume enabled for T10 PI attribute, you cannot specify the path of a port for which the T10 PI mode is disabled. *Action*

Message ID	Message Text	Description
	of a port for which T10 PI mode is enabled, and then try again.	Select the path of a port for which T10 PI mode is enabled, and then try again.
KAIC16757-E	Like volumes cannot be allocated. An attempt to allocate a like volume for which the T10 PI attribute is disabled was made to a host that has already been allocated with volumes and ports for which T10 PI is enabled. Make sure all of the T10 PI attributes of the selected volumes match the T10 PI modes of the ports. Create volumes for which the T10 PI attribute is enabled in Storage Navigator needed, and then try again.	*Cause* An attempt to allocate a like volume for which the T10 PI attribute is disabled was made to a host that has already been allocated with volumes and ports for which T10 PI is enabled. *Action* Make sure all of the T10 PI attributes of the selected volumes match the T10 PI modes of the ports. Create volumes for which the T10 PI attribute is enabled in Storage Navigator needed, and then try again.
KAIC16758-E	The storage system information may not be up-to-date. Refresh the storage system. (Storage system: *storagesystem*)	*Cause* - *Action* Refresh the storage system. (Storage system: *storagesystem*)
KAIC16759-W	You cannot set capability profiles for the DP Pools enabled for Data Direct Mapping (DP pool: [*DP-pool-names*]). Use another DP pool.	*Cause* - *Action* Use another DP pool.
KAIC16760-E	A global-active device pair volume could not be allocated. The T10 PI attributes of the selected primary and secondary volumes are different. Manually select the primary and secondary volumes for which the T10 PI attributes are the same, and then try again.	*Cause* The T10 PI attributes of the selected primary and secondary volumes are different. *Action* Manually select the primary and secondary volumes for which the T10 PI attributes are the same, and then try again.
KAIC16761-E	Discovery stopped because the number of discovered storage systems exceeded *number-of-storage-systems*. Specify SVP IP Address/Host Name again and rediscover.	*Cause* - *Action* Specify SVP IP Address/Host Name again and rediscover.
KAIC16762-I	Ports that are assigned to NAS modules are not displayed. (port name(s) = *port-names*)	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC16763-W	Performance data of NAS modules is not reported because the NAS module registration is incomplete. Use NAS Manager to synchronize information of the NAS module and Device Manager.	*Cause* - *Action* Use NAS Manager to synchronize information of the NAS module and Device Manager.
KAIC16764-E	The status of volume which failed in "Unvirtualize Source Volumes" cannot be changed to "Waiting for Action (Manually recover)".	*Cause* - *Action* -
KAIC16765-E	Specify a tiering policy name that is *min-length-max-length* characters long.	*Cause* - *Action* -
KAIC16766-E	The input tiering policy name is not valid. Valid characters are A-Z, a-z, 0-9, the space character, and the following characters: ~ ` ! @ # $ % ^ & ( ) _ + - = { } [ ] ' .. Use only valid characters for the tiering policy name.	*Cause* - *Action* Use only valid characters for the tiering policy name.
KAIC16767-I	There is a copy pair that consists of a DP volume for which dedupe and compression is enabled and a DP volume for which the function is disabled.	*Cause* - *Action* -
KAIC16768-I	The volume that dedupe and compression is enabled does not support shredding. The volumes will be formatted.	*Cause* - *Action* -
KAIC16769-E	You cannot specify both a volume for which dedupe and compression is enabled and a volume for which the function is disabled. Select valid volumes.	*Cause* - *Action* Select valid volumes.
KAIC16850-E	Information about the selected item cannot be displayed. Refresh the tree. If you selected a storage system from the [Mobility] tab, check the information about the storage system on the [Resources] tab. If you selected a link for an HUS 100 series HDT Pool from the [Mobility] tab, or a hyphen is displayed for the target, there is no data. (maintenance information = *node-name*)	*Cause* - *Action* Refresh the tree. If you selected a storage system from the [**Mobility**] tab, check the information about the storage system on the [**Resources**] tab. If you selected a link for an HUS 100 series HDT Pool from the [**Mobility**] tab, or a hyphen is displayed for the target, there is

Message ID	Message Text	Description
		no data. (maintenance information = *node-name*)
KAIC16851-E	You do not have permission to browse the report. Contact the system administrator. (maintenance information = *report-name*)	*Cause* - *Action* Contact the system administrator. (maintenance information = *report-name*)
KAIC16900-E	An unexpected error occurred. Contact the system manager. (maintenance information=*exception*)	*Cause* - *Action* Contact the system manager. (maintenance information=*exception*)
KAIC16901-E	Connection to the server failed. Following reasons can be considered: (1) Network problem, (2) The server is stopped, (3) The server is busy. Wait a few minutes, and then try again. If this error occurs repeatedly, confirm whether the server is started. (maintenance information=*exception*)	*Cause* - *Action* Wait a few minutes, and then try again. If this error occurs repeatedly, confirm whether the server is started. (maintenance information=*exception*)
KAIC16902-E	A timeout occurred during connection to the server. The server might be busy. Wait a while, and then retry the operation. If this problem persists during volume searches, change the conditions so that fewer volumes match the conditions. (maintenance information = *exception*)	*Cause* - *Action* Wait a while, and then retry the operation. If this problem persists during volume searches, change the conditions so that fewer volumes match the conditions. (maintenance information = *exception*)
KAIC16993-E	Unexpected error. Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. (maintenance information = *Exception*)	*Cause* - *Action* Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC17001-E	An error occurred during database processing. An error occurred during database processing. Retry the operation. If the error occurs	*Cause* An error occurred during database processing.

Message ID	Message Text	Description
	repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Action* Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC17002-E	An unexpected error occurred during database processing. An error occurred during database processing. To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* An error occurred during database processing. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC17006-E	A property value is invalid. Reading of the property file will now stop. (property file name: *property-file-name*, property: *property-name*) The specified property value is invalid. Specify a valid property value.	*Cause* The specified property value is invalid. *Action* Specify a valid property value.
KAIC17007-E	A required property is not specified. Property file reading is stopping. (property file name: *property-file-name*, property: *property*) A required property has not been specified. Specify the required property.	*Cause* A required property has not been specified. *Action* Specify the required property.
KAIC17009-E	The *parameter* parameter contains a null value. (class: *class*, method: *method*) To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC17010-I	Resources not released during the last migration are now released. (storage system name = *storage-system-name*)	*Cause* - *Action* -
KAIC17011-I	Resources that were not released during the last migration are released. (storage system name = *storage-system-name*)	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC17012-E	Resources that were not released during the last migration are released. Release processing occurs when a refresh operation is performed because there are resources that cannot be released. (storage system name = *storage-system-name*) Migration resources could not be released because an unintended migration was performed in the storage system. Wait a while, and then refresh the storage system information.	*Cause* Migration resources could not be released because an unintended migration was performed in the storage system. *Action* Wait a while, and then refresh the storage system information.
KAIC17013-E	An error occurred while releasing resources that were not released during the last migration. (storage system name = *storage-system-name*) Migration resources could not be released because an error occurred during a storage system operation. Take action as follows. If the message is displayed in the message log: Take action according to the message with the same ID that was output right before this message. If no such message was output, retry the operation. If you still cannot resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. If the message is displayed in the standard error output: If messages are output right before and after this message, take action according to those messages. If no such messages are output, retry the operation. If you still cannot resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* Migration resources could not be released because an error occurred during a storage system operation. *Action* Take action as follows. If the message is displayed in the message log: Take action according to the message with the same ID that was output right before this message. If no such message was output, retry the operation. If you still cannot resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information. If the message is displayed in the standard error output: If messages are output right before and after this message, take action according to those messages. If no such messages are output, retry the operation. If you still cannot resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC17014-E	An error occurred. (storage system name = *storage-system-name*, error code 1 = *storage-system-error-code-1*, error code 2 = *storage-system-error-code-2*, maintenance information = *maintenance-information*) An error occurred during processing. Take action according to the Storage Navigator manual, and then refresh the storage system information. Storage system error code 1 corresponds to the department code, and storage system error code 2 corresponds to the error code.	*Cause* An error occurred during processing. *Action* Take action according to the Storage Navigator manual, and then refresh the storage system information. Storage system error code 1 corresponds to the department code, and storage system error code 2 corresponds to the error code.
KAIC17015-E	An error occurred. (storage system name = *storage-system-name*, error code 1 = *storage-system-error-code-1*, error code 2 = *storage-system-error-code-2*) An error occurred during processing. If error code 1 cannot be identified, -1 is displayed. Take action according to the Storage Navigator manual, and then refresh the storage system information. Storage system error code 1 corresponds to the department code, and storage system error code 2 corresponds to the error code.	*Cause* An error occurred during processing. If error code 1 cannot be identified, -1 is displayed. *Action* Take action according to the Storage Navigator manual, and then refresh the storage system information. Storage system error code 1 corresponds to the department code, and storage system error code 2 corresponds to the error code.
KAIC17016-E	The program *program-product-name* is not installed on the migration-target storage system. (storage system name = *storage-system-name*) The program is not installed in the storage system, or a license is not registered. Install the program in the storage system, or register a license from Storage Navigator. Then, refresh the storage system information.	*Cause* The program is not installed in the storage system, or a license is not registered. *Action* Install the program in the storage system, or register a license from Storage Navigator. Then, refresh the storage system information.
KAIC17017-E	This volume cannot be migrated because of storage system restrictions. (storage system: "*storage-system*", reason migration cannot be performed: "*reason-migration-cannot-be-performed*", controller LDEV number: *controller-ldev-number*) A	*Cause* A volume cannot be migrated because of the restrictions of the storage system shown in the message. *Action* Change the settings of the storage system so that the restrictions on

Message ID	Message Text	Description
	volume cannot be migrated because of the restrictions of the storage system shown in the message. Change the settings of the storage system so that the restrictions on migration do not apply to the volume. Then, refresh the storage system. Alternatively, for all the LDEVs composed of LUs to which the migration restrictions apply, set the same volume for both the migration source volume and the migration target volume.	migration do not apply to the volume. Then, refresh the storage system. Alternatively, for all the LDEVs composed of LUs to which the migration restrictions apply, set the same volume for both the migration source volume and the migration target volume.
KAIC17018-E	This volume cannot be used as a migration target volume because of storage system restrictions. (storage system name: "*storage-system*", reason migration cannot be performed: "*reason-migration-cannot-be-performed*", controller LDEV number: *controller-ldev-number*) A volume cannot be migrated because of the restrictions of the storage system shown in the message. Change the settings so that the restrictions on migration do not apply to the volume. Then, refresh the storage system. Alternatively, specify a volume to which the migration restrictions do not apply.	*Cause* A volume cannot be migrated because of the restrictions of the storage system shown in the message. *Action* Change the settings so that the restrictions on migration do not apply to the volume. Then, refresh the storage system. Alternatively, specify a volume to which the migration restrictions do not apply.
KAIC17019-E	None of the specified volumes can be migrated. (storage system: "*storage-system*") None of the specified volumes can be migrated. Add a volume that can be migrated.	*Cause* None of the specified volumes can be migrated. *Action* Add a volume that can be migrated.
KAIC17020-E	A migration that creates a volume cannot be performed because the number of virtual volume groups in the specified storage system has reached the maximum. (storage system: "*storage-system*") A volume cannot be created because the number of virtual volume groups in the specified storage system has reached the maximum. Remove unnecessary virtual volume groups. Then, refresh the storage system and re-create the migration task.	*Cause* A volume cannot be created because the number of virtual volume groups in the specified storage system has reached the maximum. *Action* Remove unnecessary virtual volume groups. Then, refresh the storage system and re-create the migration task.

Message ID	Message Text	Description
KAIC17021-E	A migration plan cannot be created for the specified migration source and migration target volumes. (storage system: "*storage-system*", reason migration cannot be performed: "*reason-migration-cannot-be-performed*") The specified volumes do not contain any volumes that can be migrated to a pool. If the reason this migration cannot be performed is emulation: Specify a migration target that contains volumes whose emulation type is the same as those of the migration source volume. Alternatively, add migratable volumes to the migration source. If the reason this migration cannot be performed is LUSE: Specifying volume filter conditions, specify a created migration target. Alternatively, add migratable volumes to the migration source. If the reason this migration cannot be performed is SamePool: Specify a pool that does not contain the migration source volume. Alternatively, specify a migration target by specifying volume filter conditions.	*Cause* The specified volumes do not contain any volumes that can be migrated to a pool. *Action* If the reason this migration cannot be performed is emulation: Specify a migration target that contains volumes whose emulation type is the same as those of the migration source volume. Alternatively, add migratable volumes to the migration source. If the reason this migration cannot be performed is LUSE: Specifying volume filter conditions, specify a created migration target. Alternatively, add migratable volumes to the migration source. If the reason this migration cannot be performed is SamePool: Specify a pool that does not contain the migration source volume. Alternatively, specify a migration target by specifying volume filter conditions.
KAIC17022-E	An appropriate pool is not specified. (storage system: "*storage-system*") The specified pools cannot be used for migration. Add an appropriate pool.	*Cause* The specified pools cannot be used for migration. *Action* Add an appropriate pool.
KAIC17023-E	The storage system information in Device Manager is not current. Processing cannot proceed because the storage system information in Device Manager is not current. Reference to WebServiceMessage log files, take action according to the message by the system administrator. If the message KAIC17012-E or KAIC17013-E is output: Take action according to the message. If the message KAIC17010-I is not output: After refreshing the	*Cause* Processing cannot proceed because the storage system information in Device Manager is not current. *Action* Reference to WebServiceMessage log files, take action according to the message by the system administrator. If the message KAIC17012-E or KAIC17013-E is output: Take action according to the message.

Message ID	Message Text	Description
	storage system, retry the operation if message KAIC17011-I is confirmed in WebServiceMessage log files. If the message KAIC17010-I is outputted: Retry the operation if the message KAIC17011-I confirmed in WebServiceMessage log files. If the message KAIC17011-I is outputted: Retry the operation.	If the message KAIC17010-I is not output: After refreshing the storage system, retry the operation if message KAIC17011-I is confirmed in WebServiceMessage log files. If the message KAIC17010-I is outputted: Retry the operation if the message KAIC17011-I confirmed in WebServiceMessage log files. If the message KAIC17011-I is outputted: Retry the operation.
KAIC17025-E	There is a conflict between LUSE migration-target volumes. Use all internal volumes or all external volumes for the migration-target volumes. Also, ensure that the I/O suppression mode, cache mode, and CLPR are the same for all migration-target volumes. (LUSE=*device-numbers-of-luse-configuration-volumes*)	*Cause* - *Action* -
KAIC17026-E	The migration plan cannot be created. None of the volumes in the migration plan can be migrated.	*Cause* - *Action* -
KAIC17027-W	Some migration pairs contain volumes that will not be migrated. Confirm the volumes that will not be migrated, and then execute the migration task.	*Cause* - *Action* -
KAIC17028-W	Confirm that you want to perform a migration for the specified mainframe volumes. Depending on the migration, all the data on the migration-target volumes may be overwritten. (LDEV = *device-numbers-of-mainframe-volumes*)	*Cause* - *Action* -
KAIC17029-E	Pairs of migration-source volumes and migration-target volumes cannot be automatically created for every volume.	*Cause* - *Action* -
KAIC17030-E	Pairs of migration-source volumes and migration-target volumes (or DP pools) cannot be automatically created for every volume. Edit the pairs before continuing.	*Cause* - *Action* -
KAIC17031-I	Migration pairs for which migration-target volumes with a	*Cause*

Message ID	Message Text	Description
	larger capacity than the migration-source volumes are selected. The migration-target volumes with larger capacities than the corresponding migration-source volumes will be re-created, and the extra capacity will be freed up for use again.	- *Action* -
KAIC17032-W	The migration-source volume resource group is different from the migration-target volume resource group. If this is not a problem, proceed to creating a migration task.	*Cause* - *Action* -
KAIC17033-E	If the migration task is performed, the limit on the number of virtual volumes will be exceeded. (pool = *pool-numbers*)	*Cause* - *Action* -
KAIC17034-E	If the migration task is performed, the maximum reservation rate will be exceeded. (pool = *pool-numbers*)	*Cause* - *Action* -
KAIC17035-W	If the migration task is performed, the warning reservation rate will be exceeded. (pool = *pool-numbers*)	*Cause* - *Action* -
KAIC17036-E	If the migration task is performed, the used threshold will be exceeded. (pool = *pool-numbers*)	*Cause* - *Action* -
KAIC17037-E	Virtual volumes cannot be deleted individually because the program *program-product-name* is not installed on the migration-target storage system.	*Cause* - *Action* -
KAIC17038-I	An error occurred while refreshing task progress. Task progress will be automatically refreshed. If the problem persists, follow the error message to remove the cause of the error. (occurring error = *error-details*, time=*error-time*)	*Cause* - *Action* -
KAIC17039-E	A migration cannot be performed because there are no migration pairs for the migration-target candidates. Revise the conditions	*Cause* - *Action* -

Message ID	Message Text	Description
	for the migration target, and edit the plan.	
KAIC17040-W	At least one volume cannot be migrated. Volumes that do not meet the migration conditions will be excluded from the migration, and only the data on volumes that meet the conditions will be migrated.(*ldev-id*)	*Cause* - *Action* -
KAIC17041-W	The migration-source volumes are in multiple resource groups. If necessary, filter the resource groups.	*Cause* - *Action* If necessary, filter the resource groups.
KAIC17042-W	The migration-source volumes include at least one volume in a copy pair. (*ldev-id*) From the Migration Pair wizard, check the volume details. If necessary, change the pairs.	*Cause* - *Action* From the Migration Pair wizard, check the volume details. If necessary, change the pairs.
KAIC17043-E	The migration cannot be performed because the migration-source volumes are in multiple storage systems. Specify a storage system as a filter condition, and then select migration-source volumes from that storage system.	*Cause* - *Action* Specify a storage system as a filter condition, and then select migration-source volumes from that storage system.
KAIC17044-W	The migration-source volumes include at least one volume making up a LUSE volume. (*ldev-id*) From the Migration Pair wizard, check the volume details. If necessary, change the pairs.	*Cause* - *Action* From the Migration Pair wizard, check the volume details. If necessary, change the pairs.
KAIC17045-E	The migration-source volumes includes a volume that cannot be migrated. From the Migration-Source Volume Selection wizard, filter again the migration-source volumes. Then, identify why the migration-source volumes cannot be migrated.	*Cause* - *Action* From the Migration-Source Volume Selection wizard, filter again the migration-source volumes. Then, identify why the migration-source volumes cannot be migrated.
KAIC17046-E	At least one pair cannot be migrated. From the Migration Pair wizard, change the pairs.	*Cause* - *Action*

Message ID	Message Text	Description
		From the Migration Pair wizard, change the pairs.
KAIC17047-E	There is no migratable migration-source volume that can be migrated. Identify why the migration-source volumes cannot be migrated, and then try again.	*Cause* - *Action* Identify why the migration-source volumes cannot be migrated, and then try again. To identify why they cannot be migrated, see the information displayed in the [**Migration Restriction**] column. Note that this column is not displayed by default. If it is not displayed, click the [**Column settings**] button and then, in the displayed dialog box, configure the settings to display the column.
KAIC17048-E	In the email template *file-name*, there is no blank line that indicates the end of the header. Insert a blank line between the header and the text.	*Cause* - *Action* Insert a blank line between the header and the text.
KAIC17049-E	The email template *file-name* does not exist.	*Cause* - *Action* -
KAIC17050-E	The email template *file-name* is too large. (size of template file: *file-size*, maximum size of template file: *max-file-size*) Review the contents of the template file and reduce its size.	*Cause* - *Action* Review the contents of the template file and reduce its size.
KAIC17051-E	In the email template *file-name*, line *line-number* is too long. (detected line length in bytes: *line-length*, maximum line length in bytes: *max-line-length*) Review the contents of the template file and shorten the line.	*Cause* - *Action* Review the contents of the template file and shorten the line.
KAIC17052-E	An invalid line (line number: *line-number*) exists in the header of email template *file-name*. Use a colon (:) to delineate the word "Subject" from the email subject. Verify that a delimiter colon (:) is included in the line where the error occurred.	*Cause* - *Action* Verify that a delimiter colon (:) is included in the line where the error occurred.

Message ID	Message Text	Description
KAIC17053-E	The same header name has been specified multiple times. (template file name: "*file-name*", header name: "*header-name*") Verify the header.	*Cause* - *Action* Verify the header.
KAIC17054-W	Too many volumes meet your specifications. The number of volumes that meet the specified conditions exceeds the limit. (limit: *number-of-displayable-volumes*) Revise the conditions so that fewer volumes meet them.	*Cause* The number of volumes that meet the specified conditions exceeds the limit. *Action* Revise the conditions so that fewer volumes meet them.
KAIC17055-E	The volume to be operated on does not exist. (storage system name: "*storage-system-name*") Possible causes are as follows: - The specified volume does not exist. - Another user deleted the volume. - You do not have access permissions for the volume. Specify the correct logical device number of the controller, and then retry the operation.	*Cause* Possible causes are as follows: • The specified volume does not exist. • Another user deleted the volume. • You do not have access permissions for the volume. *Action* Specify the correct logical device number of the controller, and then retry the operation.
KAIC17056-E	The specified migration-target pool does not exist. (storage system name: "*storage-system-name*", logical device number of the source controller: *logical-device-number-of-the-source-controller*) The pool specified for the target does not exist. Re-create the task by specifying another pool for the target.	*Cause* The pool specified for the target does not exist. *Action* Re-create the task by specifying another pool for the target.
KAIC17057-E	A migration cannot be performed because the status of the specified migration-target pool is not normal. (storage system name: "*storage-system-name*", pool ID: *pool-id*, pool status: "*pool-status*") The status of the pool specified for the migration target is abnormal. Re-create the task by specifying another pool for the target. Alternatively, change the status of the pool specified for the target to normal, and then re-create the task	*Cause* The status of the pool specified for the migration target is abnormal. *Action* Re-create the task by specifying another pool for the target. Alternatively, change the status of the pool specified for the target to normal, and then re-create the task
KAIC17058-E	A migration that creates a volume cannot be performed because	*Cause*

Message ID	Message Text	Description
	there is not enough free capacity in the specified migration-target pool. (storage system name: "*storage-system-name*", pool ID: *pool-id*) There is not enough free capacity in the pool specified for the migration target to create a volume that is the same size as the source volume. Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.	There is not enough free capacity in the pool specified for the migration target to create a volume that is the same size as the source volume. *Action* Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.
KAIC17059-E	A migration that creates a volume cannot be performed because a pool threshold of the specified migration-target pool will be exceeded if a volume is created in the pool. (storage system name: "*storage-system-name*", pool ID: *pool-id*) The volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the migration target, the threshold value of that pool will be exceeded. Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.	*Cause* The volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the migration target, the threshold value of that pool will be exceeded. *Action* Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.
KAIC17060-E	The target LDEVs chosen for the migration of a LUSE volume do not meet the LUSE conditions. (storage system name: "*storage-system-name*", controller LDEV number of the LUSE volume, pairs of controller LDEV numbers for each source volume and target volume, and the conditions that are not met: *controller-ldev-number-of-the-luse-volume,-pairs-of-controller-ldev-numbers-for-each-source-volume-and-target-volume,-and-the-conditions-that-are-not-met*) A target volume of the LUSE volume does not conform to the conditions that apply when LUSE volumes are migrated. Make sure that the target volumes of the	*Cause* A target volume of the LUSE volume does not conform to the conditions that apply when LUSE volumes are migrated. *Action* Make sure that the target volumes of the LUSE volume meet the following conditions: • Internal volumes and external volumes do not co-exist. • External volume attributes (emulation type, I/O suppression mode, cache mode, and CLPR) among the external volumes are identical.

Message ID	Message Text	Description
	LUSE volume meet the following conditions: - Internal volumes and external volumes do not co-exist. - External volume attributes (emulation type, I/O suppression mode, cache mode, and CLPR) among the external volumes are identical. - They are not DP volumes.	• They are not DP volumes.
KAIC17061-E	Due to storage system limitations, a migration that creates a volume in a pool cannot be performed. (storage system name: "*storage-system-name*", reason migration cannot be performed: "*reason-migration-cannot-be-performed*", grouping of logical device numbers of the source volume controller and target pool IDs: *grouping-of-logical-device-numbers-of-the-source-volume-controller-and-target-pool-ids*) A volume cannot be migrated because of the restrictions of the storage system. If the reason why this migration cannot be performed is "Emulation": Specify a pool that is not subject to migration restrictions as the target pool. If the reason why this migration cannot be performed is "LUSE": Do not specify a pool as the migration target for the relevant volume.	*Cause* A volume cannot be migrated because of the restrictions of the storage system. *Action* If the reason why this migration cannot be performed is "Emulation": Specify a pool that is not subject to migration restrictions as the target pool. If the reason why this migration cannot be performed is "LUSE": Do not specify a pool as the migration target for the relevant volume.
KAIC17062-E	A migration within the same pool is not possible because of storage system restrictions. (storage system name: "*storage-system-name*", controller LDEV number of the source volume and target volume: *controller-ldev-number-of-the-source-volume-and-target-volume*) Migration of volumes within the same pool has been specified. Specify a target volume that is assigned to a different pool than that of the source volume.	*Cause* Migration of volumes within the same pool has been specified. *Action* Specify a target volume that is assigned to a different pool than that of the source volume.
KAIC17063-E	A migration within the same pool is not possible because of storage system restrictions. (storage	*Cause* Migration of volumes within the same pool has been specified. *Action*

Message ID	Message Text	Description
	system name: "*storage-system-name*", LDEV number of the source volume and target pool ID: *ldev-number-of-the-source-volume-and-target-pool-id*) Migration of volumes within the same pool has been specified. Specify a target pool that is different than that of the source volume.	Specify a target pool that is different than that of the source volume.
KAIC17064-E	A migration that creates a volume cannot be performed because the subscription of the specified migration-target pool has already exceeded the subscription limit. (storage system name: "*storage-system-name*", pool ID: "*pool-id*") A volume cannot be created because the subscription of the pool specified for the target has already exceeded the subscription limit. Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.	*Cause* A volume cannot be created because the subscription of the pool specified for the target has already exceeded the subscription limit. *Action* Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.
KAIC17065-E	A migration that creates a volume cannot be performed because the subscription of the specified migration-target pool will exceed the subscription limit if a volume is created in the pool. (storage system name: "*storage-system-name*", pool ID: "*pool-id*") A volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the target, the subscription will exceed the subscription limit. Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.	*Cause* A volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the target, the subsciption will exceed the subscription limit. *Action* Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.
KAIC17066-E	A migration that creates a volume cannot be performed because the limit on the number of volumes that can be created in the specified migration-target pool has already been exceeded. (storage system name: "*storage-system-name*",	*Cause* A volume cannot be created because the pool specified for the target has already reached the maximum number of volumes that can be created.

Message ID	Message Text	Description
	pool ID: "*pool-id*") A volume cannot be created because the pool specified for the target has already reached the maximum number of volumes that can be created. Re-create the task by specifying another pool for the target.	*Action* Re-create the task by specifying another pool for the target.
KAIC17067-E	A migration that creates a volume cannot be performed because the limit on the number of volumes that can be created in the specified migration-target pool will be exceeded if a volume is created in the pool. (storage system name: "*storage-system-name*", pool ID: "*pool-id*") A volume cannot be created because, if an attempt is made to create a volume in the pool specified for the target, the number of volumes will exceed the limit that can be created in the pool. Re-create the task by specifying another pool for the target.	*Cause* A volume cannot be created because, if an attempt is made to create a volume in the pool specified for the target, the number of volumes will exceed the limit that can be created in the pool. *Action* Re-create the task by specifying another pool for the target.
KAIC17068-E	A migration that creates a volume cannot be performed because the limit on the number of virtual volume groups in a storage domain will be exceeded if a volume is created in the storage domain. (storage system name: "*storage-system-name*") A volume cannot be created because, if an attempt is made to create a volume in the specified storage domain, the number of virtual volume groups will exceed the maximum. If there are unnecessary virtual volume groups, delete them, and then re-create the task.	*Cause* A volume cannot be created because, if an attempt is made to create a volume in the specified storage domain, the number of virtual volume groups will exceed the maximum. *Action* If there are unnecessary virtual volume groups, delete them, and then re-create the task.
KAIC17069-E	A migration that creates a volume cannot be performed because the subscription of the specified migration-target pool has already exceeded the subscription warning. (storage system name: "*storage-system-name*", pool ID: "*pool-id*") A volume cannot be created because the subscription of the pool specified for the target has already exceeded the subscription warning. Re-create the task by specifying another pool for the target.	*Cause* A volume cannot be created because the subscription of the pool specified for the target has already exceeded the subscription warning. *Action* Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool

Message ID	Message Text	Description
	Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.	specified for the target, and then re-create the task.
KAIC17070-E	A migration that creates a volume cannot be performed because the subscription of the specified migration-target pool will exceed the subscription warning if a volume is created in the pool. (storage system name: "*storage-system-name*", pool ID: "*pool-id*") A volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the target, the subscription will exceed the subscription warning. Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.	*Cause* A volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the target, the subscription will exceed the subscription warning. *Action* Re-create the task by specifying another pool for the target. Alternatively, ensure that there is enough free capacity in the pool specified for the target, and then re-create the task.
KAIC17071-E	Processing cannot be performed because the refresh ended abnormally. (storage system: "*storage-system-name*") Processing cannot be performed because the storage system information is not current. Refresh the storage system shown in the message, and then retry the operation.	*Cause* Processing cannot be performed because the storage system information is not current. *Action* Refresh the storage system shown in the message, and then retry the operation.
KAIC17072-E	Processing cannot be performed because a refresh is in progress. (storage system: "*storage-system-name*") The storage system is being refreshed. Wait for the refresh to finish, and then retry the operation.	*Cause* The storage system is being refreshed. *Action* Wait for the refresh to finish, and then retry the operation.
KAIC17073-I	A mainframe volume is not deleted after shredding. To delete a mainframe volume, after the task ends normally, execute Element Manager.	*Cause* - *Action* To delete a mainframe volume, after the task ends normally, execute Element Manager.
KAIC17074-I	The zero page reclaim option is not effective for mainframe volumes. To use zero page reclaim for a mainframe volume, after the task	*Cause* - *Action*

Message ID	Message Text	Description
	ends normally, execute Element Manager.	To use zero page reclaim for a mainframe volume, after the task ends normally, execute Element Manager.
KAIC17075-I	The system is waiting for the source DP volume to be deleted and released from the pool. (maintenance information = *maintenance-information*) Deleting and releasing the volume from the pool will start automatically.	*Cause* - *Action* Deleting and releasing the volume from the pool will start automatically.
KAIC17076-W	Shredding a volume will erase the data on the volume. Are you sure you want to shred the following volumes? (device numbers of the volumes to be shredded = *device-numbers*)	*Cause* - *Action* -
KAIC17077-W	Restarting the task will delete one or more volumes. Are you sure you want to delete the following volumes? (device numbers of the volumes to be deleted = *device-numbers*)	*Cause* - *Action* -
KAIC17078-W	Are you sure you want to migrate the following mainframe volume(s)? Data on the destination volumes will be overwritten. (device numbers of the destination volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17079-W	The resource group of the migration-source volumes differs from the resource group of the migration-destination volumes. If this is not a problem, restart the task. (device numbers of the migration-destination volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17080-E	The task cannot be restarted because one or more migration-source volumes do not exist. (device numbers of the migration-source volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17081-E	The task cannot be restarted because one or more migration-target volumes do not exist. (device numbers of the migration-target volumes = *device-number*)	*Cause* - *Action* -
KAIC17082-E	The task cannot be restarted because one or more migration-source volumes have been converted to LUSE volumes.	*Cause* - *Action*

Message ID	Message Text	Description
	(device numbers of the migration-source volumes = *device-numbers*)	-
KAIC17083-E	The task cannot be restarted because one or more migration-target volumes have been converted to LUSE volumes. (device numbers of the migration-target volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17084-E	The task cannot be restarted because the LUSE settings of one or more migration-source volumes have been released. (device numbers of the migration-source volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17085-E	The task cannot be restarted because one or more migration-source volumes have been moved from their pre-migration locations. (device numbers of the migration-source volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17086-E	The task cannot be restarted because one or more migration-target volumes have been moved from their pre-migration locations. (device numbers of the migration-target volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17087-E	The task cannot be restarted because one or more migration-source volumes have been moved from their post-migration locations. (device numbers of the migration-source volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17088-E	The task cannot be restarted because one or more migration-target volumes have been moved from their post-migration locations. (device numbers of the migration-target volume = *device-numbers*)	*Cause* - *Action* -
KAIC17089-E	The task cannot be restarted because at least one migration pair is in a state where it is unclear whether the migration pair is in a pre-migration or post-migration state. (device numbers of the migration-source volumes = *device-numbers*)	*Cause* - *Action* -
KAIC17090-E	One or more volumes cannot be used as migration sources. Take	*Cause* -

Message ID	Message Text	Description
	action according to the displayed reasons that migration cannot be performed. ([device numbers of the migration-source volumes, "reasons that migration cannot be performed"] = *device-numbers-and-the-impossible-reason-for-migration*)	*Action* Take action according to the displayed reasons that migration cannot be performed. ([device numbers of the migration-source volumes, "reasons that migration cannot be performed"] = *device-numbers-and-the-impossible-reason-for-migration*)
KAIC17091-E	One or more volumes cannot be used as migration targets. Take action according to the displayed reasons that migration cannot be performed. ([device numbers of the migration-target volumes, "reasons that migration cannot be performed"] = *device-numbers-and-the-impossible-reason-for-migration*)	*Cause* - *Action* Take action according to the displayed reasons that migration cannot be performed. ([device numbers of the migration-target volumes, "reasons that migration cannot be performed"] = *device-numbers-and-the-impossible-reason-for-migration*)
KAIC17092-E	One or more migration pairs cannot be migrated. Take action according to the displayed reasons that the migration pairs cannot be migrated. ([device numbers of the migration-source volumes, "reasons that the migration pairs cannot be migrated"] = *device-numbers-and-the-impossible-reason-for-migration*)	*Cause* - *Action* Take action according to the displayed reasons that the migration pairs cannot be migrated. ([device numbers of the migration-source volumes, "reasons that the migration pairs cannot be migrated"] = *device-numbers-and-the-impossible-reason-for-migration*)
KAIC17093-E	One or more migration pairs cannot be migrated. Take action according to the displayed reasons that the migration pairs cannot be migrated. ([device numbers of the migration-source volumes, "reasons that the migration pairs cannot be migrated"] = *device-numbers-and-the-impossible-reason-for-migration*)	*Cause* - *Action* Take action according to the displayed reasons that the migration pairs cannot be migrated. ([device numbers of the migration-source volumes, "reasons that the migration pairs cannot be migrated"] = *device-numbers-and-the-impossible-reason-for-migration*)
KAIC17094-E	If you create a DP volume, there will be too many virtual volume groups. Delete unnecessary DP volumes. (current number of virtual volume groups = *the-current-number-of-virtual-volume-*	*Cause* - *Action* Delete unnecessary DP volumes. (current number of virtual volume groups = *the-current-number-of-*

Message ID	Message Text	Description
	groups, number of volumes to be created = *the-number-of-create-volumes*)	*virtual-volume-groups*, number of volumes to be created = *the-number-of-create-volumes*)
KAIC17095-E	The task cannot be restarted because one or more migration-target pools do not exist. (migration-target pools = *pool-ids*)	*Cause* - *Action* -
KAIC17096-E	One or more pools that were specified as migration-target pools are in an abnormal state. Check the state of the pool and, if necessary, return it to a normal status. ([migration-target pool, pool status] = *pool-id-and-status*)	*Cause* - *Action* Check the state of the pool and, if necessary, return it to a normal status. ([migration-target pool, pool status] = *pool-id-and-status*)
KAIC17097-E	One or more pools that were specified as migration-target pools have insufficient free space. Expand the pools. ([migration-target pool, current free space, required space] = *pool-id,-current-free-capacity,-and-required-capacity*)	*Cause* - *Action* Expand the pools. ([migration-target pool, current free space, required space] = *pool-id,-current-free-capacity,-and-required-capacity*)
KAIC17098-E	One or more pools that were specified as migration-target pools will exceed their usage thresholds if a volume is created in them. Either expand the pools or change the usage thresholds. ([migration-target pool, current usage threshold, required space] = *pool-id,-current-threshold,-and-required-capacity*)	*Cause* - *Action* Either expand the pools or change the usage thresholds. ([migration-target pool, current usage threshold, required space] = *pool-id,-current-threshold,-and-required-capacity*)
KAIC17099-E	One or more pools that were specified as migration-target pools will exceed their maximum number of volumes if a volume is created in them. Delete unnecessary volumes in the pools. ([migration-target pool, current number of volumes, required number of volumes] = *pool-id,-current-number-of-volumes,-and-required-number-of-volumes*)	*Cause* - *Action* Delete unnecessary volumes in the pools. ([migration-target pool, current number of volumes, required number of volumes] = *pool-id,-current-number-of-volumes,-and-required-number-of-volumes*)
KAIC17100-E	One or more pools that were specified as migration-target pools will exceed their subscription limits if a volume is created in them. Either expand the pools or change the subscription limits. ([migration-target pool, current	*Cause* - *Action* Either expand the pools or change the subscription limits. ([migration-target pool, current

Message ID	Message Text	Description
	subscribed usage, subscribed space required] = *pool-id,-current-subscription,-and-required-subscribed-capacity*)	subscribed usage, subscribed space required] = *pool-id,-current-subscription,-and-required-subscribed-capacity*)
KAIC17101-E	One or more pools that were specified as migration-target pools will exceed their subscription warning levels if a volume is created in them. Either expand the pools or change the subscription warning levels. ([migration-target pool, current subscribed usage, subscribed space required] = *pool-id,-current-subscription,-and-required-subscribed-capacity*)	*Cause* - *Action* Either expand the pools or change the subscription warning levels. ([migration-target pool, current subscribed usage, subscribed space required] = *pool-id,-current-subscription,-and-required-subscribed-capacity*)
KAIC17102-E	One or more volumes cannot be shredded. Take action according to the displayed reasons that the volumes cannot be shredded. ([device numbers of the migration-target volumes, "reasons that the volumes cannot be shredded"] = *device-number-and-the-impossible-reason-for-shredding*)	*Cause* - *Action* Take action according to the displayed reasons that the volumes cannot be shredded. ([device numbers of the migration-target volumes, "reasons that the volumes cannot be shredded"] = *device-number-and-the-impossible-reason-for-shredding*)
KAIC17103-E	One or more volumes cannot be deleted. Take action according to the displayed reasons that the volumes cannot be deleted. ([device numbers of the migration-target volumes, "reasons that the volumes cannot be deleted"] = *device-number-and-the-impossible-reason-for-deleting-volume*)	*Cause* - *Action* Take action according to the displayed reasons that the volumes cannot be deleted. ([device numbers of the migration-target volumes, "reasons that the volumes cannot be deleted"] = *device-number-and-the-impossible-reason-for-deleting-volume*)
KAIC17104-E	Zero pages cannot be reclaimed from one or more volumes. Take action according to the displayed reasons that the zero pages cannot be reclaimed. ([device numbers of the migration-target volumes, "reasons that the zero pages cannot be reclaimed"] = *device-number-and-the-impossible-reason-for-reclaiming-zero-pages*)	*Cause* - *Action* Take action according to the displayed reasons that the zero pages cannot be reclaimed. ([device numbers of the migration-target volumes, "reasons that the zero pages cannot be reclaimed"] = *device-number-and-the-impossible-reason-for-reclaiming-zero-pages*)

Message ID	Message Text	Description
KAIC17105-I	The selected task does not need to be restarted because the task is already complete.	*Cause* - *Action* -
KAIC17106-E	The selected task cannot be restarted. Create a new task, and then run that task.	*Cause* - *Action* Create a new task, and then run that task.
KAIC17107-E	The selected task cannot be restarted. Perform the actions described in the following messages, and then restart the operation. If you cannot perform the actions, create a new task, and then run that task.	*Cause* - *Action* Perform the actions described in the following messages, and then restart the operation. If you cannot perform the actions, create a new task, and then run that task.
KAIC17108-W	Although "Deleting" does not appear in [Migration Options], the DP volumes in the source volumes will be deleted. If you want to delete other source volumes, delete them after the migration task finishes.	*Cause* - *Action* -
KAIC17400-W	Are you sure you want to select a volume that is set for a migration destination of another migration source volume?	*Cause* - *Action* -
KAIC17401-W	Are you sure you want to select a volume that belongs to a different SLPR?	*Cause* - *Action* -
KAIC17402-W	Too many volumes meet your specifications. Too many volumes meet your specifications.(limit = *volume-count-label*) Modify your specifications.	*Cause* Too many volumes meet your specifications.(limit = *volume-count-label*) *Action* Modify your specifications.
KAIC17403-W	To specify volume conditions, specify one or more filter conditions.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC17404-W	A LUSE volume cannot migrate to a virtual volume. If the migration-source volume is a LUSE volume, specify a migration-target volume that is not a virtual volume.	*Cause* - *Action* If the migration-source volume is a LUSE volume, specify a migration-target volume that is not a virtual volume.
KAIC17405-W	The default migration destinations of selected migration pairs are set for those of another migration source volumes. Are you sure you want to restore the default migration destinations of selected migration pairs? The state of several other migration pairs change to "Not Migrate" by the operation. (The source volumes of other migration pairs: *the-paired-source-volumes-which-changes-to-"not-migrate"*)	*Cause* - *Action* -
KAIC17406-I	If a source volume is not being used, we recommend selecting the delete option to delete the volume. Or, after the migration task finishes, we recommend reclaiming the unused capacity of the source volume.	*Cause* - *Action* -
KAIC17407-I	The delete option is unavailable for mainframe volumes. To delete a mainframe volume, after the task ends normally, delete the volume by using Element Manager.	*Cause* - *Action* To delete a mainframe volume, after the task ends normally, delete the volume by using Element Manager.
KAIC17408-I	You cannot delete the volumes enabled for Data Direct Mapping (volumes = [*ldev-ids*]). After the task ends normally, use Device Manager - Storage Navigator to delete a volume for which the Data Direct Mapping attribute is enabled.	*Cause* - *Action* After the task ends normally, use Device Manager - Storage Navigator to delete a volume for which the Data Direct Mapping attribute is enabled.
KAIC17409-I	You cannot reclaim zero pages for the volumes enabled for Data Direct Mapping (volumes = [*ldev-ids*]).	*Cause* - *Action* -
KAIC17410-I	The volume that dedupe and compression is enabled does not	*Cause* -

Message ID	Message Text	Description
	become a target of the shredding. (volumes = *ldev-ids*)	*Action* -
KAIC17411-I	The volume that dedupe and compression is enabled does not become a target of the deleting volume. (volumes = *ldev-ids*)	*Cause* - *Action* -
KAIC18000-E	The access configurations for the NFS export could not be set. (maintenance information = *maintenance-information*) See the message displayed in the maintenance information, and resolve the problem. Then, set access configurations in the Edit NFS Export dialog box.	*Cause* - *Action* See the message displayed in the maintenance information, and resolve the problem. Then, set access configurations in the **Edit NFS Export** dialog box.
KAIC18001-W	The entered path (*path*) was not found. The entered path might be incorrect. To specify an existing file path, select a file path from the tree. To specify a new file path, enter the path manually and select [Create path if it does not exist].	*Cause* The entered path might be incorrect. *Action* To specify an existing file path, select a file path from the tree. To specify a new file path, enter the path manually and select [**Create path if it does not exist**].
KAIC18002-E	The NAS Platform information is not up to date. Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* Synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC18003-E	The EVS "*evs*" has no file system allocated for shares or exports. Create a file system that can modify shares or exports on the EVS, and then retry the operation.	*Cause* - *Action* Create a file system that can modify shares or exports on the EVS, and then retry the operation.
KAIC18004-E	Multiple volume which cannot be allocated at once are selected. If volumes in virtual mode are selected, select volumes for which the same virtual model and virtual serial number are set, or whose storage system resource group ID is 0. (volumes in virtual mode = *ldev-id*)	*Cause* - *Action* If volumes in virtual mode are selected, select volumes for which the same virtual model and virtual serial number are set, or whose storage system resource group ID

Message ID	Message Text	Description
		is 0. (volumes in virtual mode = *ldev-id*)
KAIC18005-E	A combination of volumes and host groups that cannot set virtual information or allocate volumes is included. Do either of the following: (1) If the host group is in virtual mode, select volumes that have the same virtual model and virtual serial number as the host group, or whose storage system resource group ID is 0. (2) If the host group is not in virtual mode, or the virtual model and virtual serial number are not set, select volumes that are not in virtual mode, or for which a virtual model and virtual serial number are not set.	*Cause* - *Action* Do either of the following: 1. If the host group is in virtual mode, select volumes that have the same virtual model and virtual serial number as the host group, or whose storage system resource group ID is 0. 2. If the host group is not in virtual mode, or the virtual model and virtual serial number are not set, select volumes that are not in virtual mode, or for which a virtual model and virtual serial number are not set.
KAIC18006-E	Virtual ID information cannot be set. Do either of the following: (1) If the host group is in virtual mode, select volumes that satisfy one of the following conditions: (a) All of the following conditions for setting up virtual ID information are satisfied: - The storage system resource group ID is 0. - The volume is not an LUSE volume. - The path is not set. - The volume is not set as the command device. - The volume is not in the process of data migration using virtual IDs. (b) The virtual model and virtual serial number are the same as for the host group. (2) If the host group is not in virtual mode or the virtual model and virtual serial number are not set, select volumes that are not in virtual mode, or for which a virtual model and virtual serial number are not set.	*Cause* - *Action* Do either of the following: 1. If the host group is in virtual mode, select volumes that satisfy one of the following conditions: (a) All of the following conditions for setting up virtual ID information are satisfied: - The storage system resource group ID is 0. - The volume is not an LUSE volume. - The path is not set. - The volume is not set as the command device. - The volume is not in the process of data migration using virtual IDs. (b) The virtual model and virtual serial number are the same as for the host group. 2. If the host group is not in virtual mode or the virtual model and virtual serial number are not set, select

Message ID	Message Text	Description
		volumes that are not in virtual mode, or for which a virtual model and virtual serial number are not set.
KAIC18007-W	The specified path (*path*) was not found. To specify an existing file path, select a file path from the tree. To specify a new file path, enter the path manually.	*Cause* - *Action* To specify an existing file path, select a file path from the tree. To specify a new file path, enter the path manually.
KAIC18008-E	There are not enough available LDEV IDs. Increase the number of available LDEV IDs in the storage system resource group (ID = *ldev-id*).	*Cause* - *Action* Increase the number of available LDEV IDs in the storage system resource group (ID = *ldev-id*).
KAIC18009-E	There are not enough available virtual LDEV IDs. Either change the starting virtual LDEV ID, or complete one of the following tasks to make more LDEV IDs available. (Required number of additional virtual LDEV IDs = *number-of-virtual-ldev-ids*) --If the virtual model of the virtual storage machine is either "VSP G1000/G1500 and VSP F1500" or "VSP Gx00 and VSP Fx00", then move the LDEV IDs from the default virtual storage machine to another virtual storage machine within your storage system. The virtual storage machine containing the relocated LDEV IDs must have a matching model and serial number. --If the virtual model of the virtual storage machine is not "VSP G1000/G1500 and VSP F1500" or "VSP Gx00 and VSP Fx00", then delete volumes from any storage systems that have the same model and serial number as this virtual storage machine.	*Cause* - *Action* Either change the starting virtual LDEV ID, or complete one of the following tasks to make more LDEV IDs available. (Required number of additional virtual LDEV IDs = *number-of-virtual-ldev-ids*) • If the virtual model of the virtual storage machine is either "VSP G1000/G1500 and VSP F1500" or "VSP Gx00 and VSP Fx00", then move the LDEV IDs from the default virtual storage machine to another virtual storage machine within your storage system. The virtual storage machine containing the relocated LDEV IDs must have a matching model and serial number. • If the virtual model of the virtual storage machine is not "VSP G1000/G1500 and VSP F1500" or "VSP Gx00 and VSP Fx00", then delete volumes from any storage systems that have the same model and serial number as this virtual storage machine.
KAIC18010-E	Allocation of volumes failed because the virtual ID information	*Cause*

Message ID	Message Text	Description
	could not be set. (maintenance information = *maintenance-information*) The storage system information has been changed. Retry the operation.	The storage system information has been changed. *Action* Retry the operation.
KAIC18011-E	Deletion of the virtual ID information failed. The storage system information has been changed. Verify the status of the selected volumes from the volume list, and then retry the operation.	*Cause* The storage system information has been changed. *Action* Verify the status of the selected volumes from the volume list, and then retry the operation.
KAIC18012-W	Performing this operation will cause the DP pool subscription rate (*subscription*%) to exceed the maximum subscription rate (*maximum-subscription-limit*%) because the Limit Enforcement option is enabled.	*Cause* - *Action* -
KAIC18013-W	The DP pool subscription rate (*subscription*%) currently exceeds the maximum subscription rate (*maximum-subscription-limit*%) because the Limit Enforcement option is enabled.	*Cause* - *Action* -
KAIC18014-W	ShadowImage volumes (*ldev-ids*) are selected. If the pair status is not PSUS, the task might have failed. Verify that the pair status is PSUS, and then retry the operation.	*Cause* - *Action* -
KAIC18015-E	Tier property information cannot be displayed. Device Manager cannot display performance graphs for microcode versions of the storage system (*storage-system-name*) earlier than 70-02-50-00/00. Update the microcode version to 70-02-50-00/00 or later.	*Cause* Device Manager cannot display performance graphs for microcode versions of the storage system (*storage-system-name*) earlier than 70-02-50-00/00. *Action* Update the microcode version to 70-02-50-00/00 or later.
KAIC18016-E	This operation cannot be executed because the storage pool (*storage-pool-names*) status (*status*) is not Healthy. Check the storage pool status, and then return the storage pool to the Healthy status. After that, use NAS Manager to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.	*Cause* - *Action* Check the storage pool status, and then return the storage pool to the Healthy status. After that, use NAS Manager to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.

Message ID	Message Text	Description
KAIC18017-E	The allocation limit of the selected file system cannot be expanded. The storage pool associated with the selected file system is set to deny "On Demand Allocation". If you want to allocate capacity with "Full-Allocation" set, do so by using NAS Manager. To expand the allocation limit, use NAS Manager to change the storage pool settings and to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.	*Cause* The storage pool associated with the selected file system is set to deny "On Demand Allocation". *Action* If you want to allocate capacity with "Full-Allocation" set, do so by using NAS Manager. To expand the allocation limit, use NAS Manager to change the storage pool settings and to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.
KAIC18018-E	The shares or exports associated with the selected file system (*share/export-name*) are already reserved by other tasks. Either select another file system, or temporarily stop the operation, cancel or wait for any registered tasks to finish, and then retry the operation.	*Cause* - *Action* Either select another file system, or temporarily stop the operation, cancel or wait for any registered tasks to finish, and then retry the operation.
KAIC18019-W	Information about shares or exports associated with file system (*file-system-name*) cannot be acquired because the file system is in the *status* status. If there are any related shares or exports associated with the file system, they cannot be deleted. If there are any problems, return the file system to the Normal status. After that, use NAS Manager to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.	*Cause* - *Action* If there are any problems, return the file system to the Normal status. After that, use NAS Manager to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.
KAIC18020-W	The related shares or exports for the selected file systems cannot be deleted because the required "*license-names*" license is not registered or is expired. If there are any problems, use NAS Manager to register a license and to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.	*Cause* - *Action* If there are any problems, use NAS Manager to register a license and to synchronize the NAS Platform information with the Device Manager server, and then retry the operation.
KAIC18021-E	You cannot perform operations on pools that contain differing RAID levels or drive configurations.	*Cause* Device Manager does not support operations on pools that contain

Message ID	Message Text	Description
	Device Manager does not support operations on pools that contain differing RAID levels or drive configurations. Use Storage Navigator Modular 2 to perform the operations.	differing RAID levels or drive configurations. *Action* Use Storage Navigator Modular 2 to perform the operations.
KAIC18022-E	Information cannot be acquired from Tuning Manager. Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* - *Action* Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC18023-W	Data collection from Tuning Manager has been failed. Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* - *Action* Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC18024-E	Tuning Manager is not monitoring the storage system or the storage system information may not be updated. Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* - *Action* Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC18025-E	Performance report cannot be displayed. No data has been collected from Tuning Manager. Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* No data has been collected from Tuning Manager. *Action* Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC18026-E	Performance report cannot be displayed. The storage system is not monitored by Tuning Manager or the information has not been updated. Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.	*Cause* The storage system is not monitored by Tuning Manager or the information has not been updated. *Action* Verify whether Tuning Manager is monitoring the storage system and refresh the storage system.
KAIC18027-W	The storage system information may not be up-to-date (Status of Configuration Update: *configupdatestatus*, Status of DB Inconsistency: *statusofdbinconsistency*).	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC18028-E	The entered storage pool name (*storage-pool-name*) cannot be used because it is already in use by *file-server-name-or-cluster-name*. Enter a different storage pool name.	*Cause* - *Action* Enter a different storage pool name.
KAIC18029-E	The entered storage pool name (*storage-pool-name*) cannot be used because it is reserved for *file-server-name-or-cluster-name*. Enter a different storage pool name.	*Cause* - *Action* Enter a different storage pool name.
KAIC18030-E	The entered storage pool name (*storage-pool-name*) cannot be used because a file system of *file-server-name-or-cluster-name* is already using it. Enter a different storage pool name.	*Cause* - *Action* Enter a different storage pool name.
KAIC18031-E	The entered storage pool name (*storage-pool-name*) cannot be used because it is reserved for a file system of *file-server-name-or-cluster-name*. Enter a different storage pool name.	*Cause* - *Action* Enter a different storage pool name.
KAIC18032-E	The selected volumes do not belong to the same storage system. Select volumes that belong to the same storage system.	*Cause* - *Action* Select volumes that belong to the same storage system.
KAIC18033-E	No usable host group was found. Either no volumes are allocated to the host, or the volumes allocated to the host are reserved and cannot be used. Cancel the operation, and then check the host group and volumes.	*Cause* - *Action* Either no volumes are allocated to the host, or the volumes allocated to the host are reserved and cannot be used. Cancel the operation, and then check the host group and volumes.
KAIC18034-E	Unable to find hosts. Cancel the operation and verify the host.	*Cause* - *Action* Cancel the operation and verify the host.
KAIC18035-E	The selected storage pool (*storage-pool-name*) is already reserved by other tasks. Either select another storage pool or temporarily stop the operation, wait for any other registered tasks	*Cause* - *Action* Either select another storage pool or temporarily stop the operation,

Message ID	Message Text	Description
	to complete or cancel them, and then retry the operation.	wait for any other registered tasks to complete or cancel them, and then retry the operation.
KAIC18036-E	The selected storage pool (*storage-pool-name*) cannot be deleted because a file system creation task (*name-of-the-file-system-creation-task*) is associated with it. Temporarily stop the operation, wait for any registered tasks to finish or cancel them, and then retry the operation.	*Cause* - *Action* Temporarily stop the operation, wait for any registered tasks to finish or cancel them, and then retry the operation.
KAIC18037-E	The selected storage pool (*storage-pool-name*) contains one or more file systems. Delete all the file systems on the storage pool, and then retry the operation.	*Cause* - *Action* Delete all the file systems on the storage pool, and then retry the operation.
KAIC18038-E	The storage pool could not be created. The number of storage pools (*maximum-number-of-storage-systems-able-to-be-created*) exceeds the maximum number that can be created in the server or cluster. Delete any unnecessary storage pools and then try again.	*Cause* The number of storage pools (*maximum-number-of-storage-systems-able-to-be-created*) exceeds the maximum number that can be created in the server or cluster. *Action* Delete any unnecessary storage pools and then try again.
KAIC18039-E	The storage pool could not be expanded. The storage pool capacity exceeds the capacity limit (*upper-limit*).	*Cause* The storage pool capacity exceeds the capacity limit (*upper-limit*). *Action* -
KAIC18040-E	The storage pool could not be expanded. The number of volumes (system drives) that are used for the storage pool exceeds the number allowed (*upper-limit*).	*Cause* The number of volumes (system drives) that are used for the storage pool exceeds the number allowed (*upper-limit*). *Action* -
KAIC18041-E	There is no parity group in the selected storage system. Cancel the operation, create a parity group, and then retry the operation.	*Cause* - *Action* Cancel the operation, create a parity group, and then retry the operation.

Message ID	Message Text	Description
KAIC18042-E	Specify parity groups to be used in storage pools for which the following are the same: whether the drive is internal or external, drive type, drive speed, chip type, and RAID level. If you want to allow the mixing of different drive types, select the check box in the "Available Parity Groups" table below. Note that if you allow the mixing of different drive types, it might decrease the performance and reliability of the storage pool.	*Cause* - *Action* -
KAIC18043-W	The allocated paths associated with the volumes and the system drive (*system-drive-id*) that make up the selected storage pool cannot be removed, and the volumes cannot be deleted. The storage pool is using storage system volumes that are not managed by Device Manager. Wait until this task is complete, and then unallocate and delete the volumes associated with the system drives.	*Cause* The storage pool is using storage system volumes that are not managed by Device Manager. *Action* Wait until this task is complete, and then unallocate and delete the volumes associated with the system drives.
KAIC18044-E	Other tasks have already reserved the volumes (*volume-id*) and system drives (*system-drive-id*), which make up the selected storage pool (*storage-pool-name*). Either select another storage pool, or temporarily stop the operation, wait for any registered tasks to finish or cancel them, and then retry the operation.	*Cause* - *Action* Either select another storage pool, or temporarily stop the operation, wait for any registered tasks to finish or cancel them, and then retry the operation.
KAIC18045-W	Deletion of the selected storage pools or unallocation of the volumes that make up the selected storage pools might fail because the selected storage pools include a volume that cannot be deleted. Verify the plan details and try again.	*Cause* - *Action* Verify the plan details and try again.
KAIC18046-W	This volume does not support the shredding function. The volume will be deleted, but shredding will not be performed.	*Cause* - *Action* -
KAIC18047-W	This volume cannot be deleted because the Protect or Read-Only attribute is set in the Data Retention Utility.	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC18048-W	This volume cannot be deleted because it is part of a copy pair.	*Cause* - *Action* -
KAIC18049-W	This volume cannot be deleted because it is a command device.	*Cause* - *Action* -
KAIC18050-W	The amount of free capacity on the volumes usable by the selected parity groups is not the same, so of the free capacity allocated to the storage pool, *capacity* (*xx%*) will not be used. You can use all of the free capacity if you select parity groups for which the values of the [Maximum System Drive Capacity] row displayed in the [Available Parity Groups] table is the same.	*Cause* - *Action* You can use all of the free capacity if you select parity groups for which the values of the [Maximum System Drive Capacity] row displayed in the [Available Parity Groups] table is the same.
KAIC18051-W	Storage pool performance might decrease if you select only one parity group for this operation. To maintain performance, select two or more parity groups.	*Cause* - *Action* To maintain performance, select two or more parity groups.
KAIC18052-W	Of the selected parity groups, the parity groups (*parity-groups*) will not be used in the storage pool. Select the parity groups that will not be used, and then click [Release Parity Groups].	*Cause* - *Action* Select the parity groups that will not be used, and then click [**Release Parity Groups**].
KAIC18053-E	The selected parity groups (*parity-groups*) cannot be used. The volumes made from the selected parity groups are already allocated to another host or NAS Platform. Select different parity groups.	*Cause* The volumes made from the selected parity groups are already allocated to another host or NAS Platform. *Action* Select different parity groups.
KAIC18054-W	The selected parity groups contain drives with different characteristics: for example, internal and external drives, different drive types, different drive speeds, different chip types, or different RAID levels. For better performance and reliability select	*Cause* - *Action* For better performance and reliability select parity groups with the same characteristics.

Message ID	Message Text	Description
	parity groups with the same characteristics.	
KAIC18055-E	The volumes (*volumes*) that are in the selected parity groups and that you are trying to use in the storage pool are already reserved. Return to the settings window, and then click [Show Plan]. Alternatively, revise your selection of parity groups.	*Cause* - *Action* Return to the settings window, and then click [**Show Plan**]. Alternatively, revise your selection of parity groups.
KAIC18056-E	Device Manager does not support this operation for tiered storage pools. Use NAS Manager.	*Cause* - *Action* Use NAS Manager.
KAIC18057-E	Device Manager does not support this operation for tiered file systems. Use NAS Manager.	*Cause* - *Action* Use NAS Manager.
KAIC18058-E	The storage pool could not be created or expanded. The number of system drives that can be used in the server or cluster exceeds the maximum (*number-of-system-drives-that-are-recognizable-by-a-server-or-cluster*). Delete unnecessary system drives.	*Cause* The number of system drives that can be used in the server or cluster exceeds the maximum (*number-of-system-drives-that-are-recognizable-by-a-server-or-cluster*). *Action* Delete unnecessary system drives.
KAIC18059-E	There are no storage systems supported by NAS Platform. Add storage systems supported by NAS Platform. For a list of supported storage systems, see the NAS Platform documentation.	*Cause* - *Action* Add storage systems supported by NAS Platform. For a list of supported storage systems, see the NAS Platform documentation.
KAIC18060-W	The recommended path cannot be displayed because at least one node has all of its ports disabled in the file server or cluster. Select the path manually.	*Cause* - *Action* Select the path manually.
KAIC18061-W	The problem might be that the NAS Platform server is unable to recognize the volume because at least one node has no path to an enabled port. Manually enter a path to an enabled port.	*Cause* - *Action* Manually enter a path to an enabled port.

Message ID	Message Text	Description
KAIC18062-W	The path of the volume being allocated has no redundancy. Select the redundant paths manually.	*Cause* - *Action* Select the redundant paths manually.
KAIC18063-W	NAS Platform might behave unexpectedly because the number of paths allocated to NAS Platform per volume is 17 or more. Select the paths manually so that the number of paths per volume is 16 or less.	*Cause* - *Action* Select the paths manually so that the number of paths per volume is 16 or less.
KAIC18064-E	The total capacity of the storage pools in the selected server or cluster exceeds the licensed capacity (*upper-limit*). Register a valid TB license key or license key file. Alternatively, allocate volumes of only the required capacity to the server or cluster, and then use NAS Manager to create or expand the storage pool.	*Cause* - *Action* Register a valid TB license key or license key file. Alternatively, allocate volumes of only the required capacity to the server or cluster, and then use NAS Manager to create or expand the storage pool.
KAIC18066-W	The target storage pool is comprised of the system drives of a storage system that Device Manager does not manage. Because the information about the storage pool capacity and the system drives has errors, the maximum capacity and maximum number of system drives cannot be properly checked. Therefore, this operation might fail.	*Cause* - *Action* -
KAIC18067-E	The selected parity groups (*parity-groups*) cannot be used to create or expand the storage pool. Possible reasons include the following: (1) None of the selected parity groups contains a volume of 5 GB or more. Delete unnecessary volumes, and then create a volume of 5 GB or more. (2) None of the selected parity groups contains unfragmented free space of 5 GB or more. Delete unnecessary volumes. (3) All the volumes in the selected parity groups are in use.	*Cause* - *Action* Possible reasons include the following: 1. None of the selected parity groups contains a volume of 5 GB or more. Delete unnecessary volumes, and then create a volume of 5 GB or more. 2. None of the selected parity groups contains unfragmented free space of 5 GB or more. Delete unnecessary volumes.

Message ID	Message Text	Description
	(4) All the volumes in the selected parity groups have been allocated to another host or NAS Platform. (5) The number of volumes (or system drives) in the target server/cluster exceeds the maximum (*number-of-system-drives*). Delete unnecessary system drives. (6) A volume cannot be created because the usable LDEV IDs of the target storage system have been exhausted.	3. All the volumes in the selected parity groups are in use. 4. All the volumes in the selected parity groups have been allocated to another host or NAS Platform. 5. The number of volumes (or system drives) in the target server/cluster exceeds the maximum (*number-of-system-drives*). Delete unnecessary system drives. 6. A volume cannot be created because the usable LDEV IDs of the target storage system have been exhausted.
KAIC18068-E	The entered file system name (*file-system-name*) cannot be used because the storage pool of *file-server-name-or-cluster-name* is already using it. Enter a different file system name.	*Cause* - *Action* Enter a different file system name.
KAIC18069-E	The entered file system name (*file-system-name*) cannot be used because it is reserved for the storage pool of *file-server-name-or-cluster-name*. Enter a different file system name.	*Cause* - *Action* Enter a different file system name.
KAIC18070-E	A file system cannot be created because the selected storage pool is reserved by a storage pool deletion task. Either select another storage pool or temporarily stop the operation, wait for any registered tasks to finish or cancel them, and then retry the operation.	*Cause* - *Action* Either select another storage pool or temporarily stop the operation, wait for any registered tasks to finish or cancel them, and then retry the operation.
KAIC18071-W	The information about the NAS Platform (*nas-platform-name*) shared with the selected storage pool and its volumes is not up to date. If you continue this operation, the storage pool and system drive information will remain on this NAS Platform. To delete the information, temporarily stop the operation, synchronize the information with the Device Manager server by using NAS Manager, and then retry the operation.	*Cause* - *Action* To delete the information, temporarily stop the operation, synchronize the information with the Device Manager server by using NAS Manager, and then retry the operation.

Message ID	Message Text	Description
KAIC18072-W	The other NAS Platform (*file-server-names-or-cluster-names*) shared with the selected storage pool and its volumes has a storage pool (*storage-pool-names*) that is already reserved by other tasks. If you continue this operation, the storage pool and system drive information will remain on *file-server-names-or-cluster-names*. To delete the information, temporarily stop the operation, cancel any registered tasks or wait for them to finish, and then retry the operation.	*Cause* - *Action* To delete the information, temporarily stop the operation, cancel any registered tasks or wait for them to finish, and then retry the operation.
KAIC18074-W	The volumes (*volume-ids*) (system drives: *system-drive-ids*) associated with the selected storage pool (*storage-pool-names*) are shared with other servers or clusters (*file-server-names-or-cluster-names*). This task will delete not only the selected storage pools, but also the storage pools in the related servers or clusters, and the shared volumes (system drives).	*Cause* - *Action* -
KAIC18075-W	An authentication error occurred during communication with Admin Services on the other file server (*file-server-names*) shared with the selected storage pool and its volumes. If you continue this operation, the storage pool and system drive information will remain on this file server. To delete the information, in the Edit File Server window, revise the user ID and password settings for Admin Services, and then retry the operation.	*Cause* - *Action* To delete the information, in the Edit File Server window, revise the user ID and password settings for Admin Services, and then retry the operation.
KAIC18076-W	An error occurred during communication with Admin Services on the other file server (*file-server-names*) shared with the selected storage pool and its volumes. If you continue this operation, the storage pool and system drive information will remain on this file server. To delete the information, in the Edit File Server window, revise the Admin Services settings, and then retry the operation.	*Cause* - *Action* To delete the information, in the Edit File Server window, revise the Admin Services settings, and then retry the operation.

Message ID	Message Text	Description
KAIC18077-W	The information about the other NAS Platform (*nas-platform-names*) shared with the selected storage pool and its volumes could not be obtained. If you continue this operation, the storage pool and system drive information will remain on this NAS Platform. To delete the information, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* To delete the information, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC18078-W	The version information related to the other NAS Platform (*nas-platform-names*) shared with the selected storage pool and its volumes could not be obtained. If you continue this operation, the storage pool and system drive information will remain on this NAS Platform. To delete the information, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.	*Cause* - *Action* To delete the information, synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager, and then retry the operation.
KAIC18079-W	The NAS Manager version is older than the firmware versions of the other NAS Platforms (*nas-platform-names*) shared with the selected storage pool and its volumes. If you continue this operation, the storage pool and system drive information will remain on this NAS Platform. To delete the information, make the firmware versions the same as that of NAS Manager, or update the NAS Manager version, and then retry the operation.	*Cause* - *Action* To delete the information, make the firmware versions the same as that of NAS Manager, or update the NAS Manager version, and then retry the operation.
KAIC18080-W	This operation cannot be executed because the NAS Platforms in the specified cluster (*cluster-names*) shared with the selected storage pool and its volumes have different firmware versions. If you continue this operation, the storage pool and system drive information will remain on this cluster. To delete the information, make the firmware versions of the NAS Platforms in the cluster the same,	*Cause* - *Action* To delete the information, make the firmware versions of the NAS Platforms in the cluster the same, synchronize the information with Device Manager server by using NAS Manager, and then retry the operation.

Message ID	Message Text	Description
	synchronize the information with Device Manager server by using NAS Manager, and then retry the operation.	
KAIC18081-W	The firmware version of the server or cluster (*file-server-or-cluster-names*) shared with the selected storage pool and its volumes does not support this operation. If you continue this operation, the storage pool and system drive information will remain on this server or cluster. To delete the information, update the server or cluster to the latest version of the firmware, synchronize the information with the Device Manager server by using NAS Manager, and then retry the operation.	*Cause* - *Action* To delete the information, update the server or cluster to the latest version of the firmware, synchronize the information with the Device Manager server by using NAS Manager, and then retry the operation.
KAIC18082-E	The storage pool was successfully deleted, but some of the resources that make up the storage pool could not be deleted. Open the task details dialog box and verify the contents of the error message. If you want to delete the resources that could not be deleted, delete them manually in NAS Manager or Device Manager.	*Cause* - *Action* Open the task details dialog box and verify the contents of the error message. If you want to delete the resources that could not be deleted, delete them manually in NAS Manager or Device Manager.
KAIC18083-E	The specified operation cannot be executed because the status of the selected storage pool (*storage-pool-names*) is "Not Healthy". The status of the system drives that make up the storage pool might be incorrect. Change the status of the selected storage pool to a usable state, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation.	*Cause* The status of the system drives that make up the storage pool might be incorrect. *Action* Change the status of the selected storage pool to a usable state, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation.
KAIC18084-E	This operation cannot be performed because the status of the storage pool (*storage-pool-name*) is "Pool belongs to another cluster". *solution*	*Cause* - *Action* *solution*
KAIC18085-E	This operation cannot be performed because the status of the storage pool (*storage-pool-name*) is "Not Healthy". The status	*Cause* - *Action*

Message ID	Message Text	Description
	of the system drives that make up the storage pool might be incorrect. Also, the operation cannot be performed because the status of the storage pool (*storage-pool-name*) is "Pool belongs to another cluster". Perform the following operations for the storage pool that has the status "Not Healthy": Change the status of the storage pool to a usable state, and then use NAS Manager to synchronize the NAS Platform information with the Device Manager server. After that, retry the operation. Take the following action for the storage pool that has the status "Pool belongs to another cluster": *solution*	Perform the following operations for the storage pool that has the status "Not Healthy": Change the status of the storage pool to a usable state, and then use NAS Manager to synchronize the NAS Platform information with the Device Manager server. After that, retry the operation. Take the following action for the storage pool that has the status "Pool belongs to another cluster": *solution*
KAIC18086-W	Deletion of the storage pool failed. Use the messages in the task summary table to resolve the problem, and then try to delete the storage pool again.	*Cause* - *Action* Use the messages in the task summary table to resolve the problem, and then try to delete the storage pool again.
KAIC18087-W	The system drives that comprised the selected storage pool could not be changed to "Denied" status. Check the error details by referring to the tables below. To unallocate or delete the volumes, perform the operation manually. To forget the system drives, perform the operation in NAS Manager.	*Cause* - *Action* Check the error details by referring to the tables below. To unallocate or delete the volumes, perform the operation manually. To forget the system drives, perform the operation in NAS Manager.
KAIC18088-W	Deletion of the storage pool failed. Perform the operation from NAS Manager.	*Cause* - *Action* Perform the operation from NAS Manager.
KAIC18089-W	Unallocation of the volumes failed. Check the error details by referring to the tables below. To unallocate or delete the volumes, perform the operation manually. To forget the system drives, perform the operation in NAS Manager.	*Cause* - *Action* Check the error details by referring to the tables below. To unallocate or delete the volumes, perform the operation manually. To forget the system drives,

Message ID	Message Text	Description
		perform the operation in NAS Manager.
KAIC18090-W	Deletion of the host group failed. For details, refer to the host group information table. To delete the host group, perform the operation in Element Manager.	*Cause* - *Action* For details, refer to the host group information table. To delete the host group, perform the operation in Element Manager.
KAIC18091-W	Deletion of the volumes failed. For details, refer to the volume information table. To delete the volumes, perform the operation in Device Manager.	*Cause* - *Action* For details, refer to the volume information table. To delete the volumes, perform the operation in Device Manager.
KAIC18092-W	An attempt to forget the system drives of the NAS Platform failed. For details, refer to the system drive information table. To forget the system drives, perform the operation in NAS Manager.	*Cause* - *Action* For details, refer to the system drive information table. To forget the system drives, perform the operation in NAS Manager.
KAIC18093-I	The system drive on the NAS Platform was not forgotten. Use NAS Manager to forget the system drive on the NAS Platform.	*Cause* - *Action* Use NAS Manager to forget the system drive on the NAS Platform.
KAIC18094-E	The node (*node*) of this server/ cluster has no host ports. Add host ports to the node, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation.	*Cause* - *Action* Add host ports to the node, and then synchronize the information with the Device Manager server by executing a synchronize operation in NAS Manager. After that, retry the operation.
KAIC18095-I	The storage pool was not deleted. Try to delete the storage pool again.	*Cause* - *Action* Try to delete the storage pool again.
KAIC18096-E	The volumes (*volumes*) to be used in the selected parity groups cannot be found. Return to the	*Cause* - *Action*

Message ID	Message Text	Description
	settings window, and then revise your selection of parity groups.	Return to the settings window, and then revise your selection of parity groups.
KAIC18097-E	This operation cannot be performed because the selected server or cluster is not an NAS Platform server or cluster. Select an NAS Platform server/cluster, and then retry the operation.	*Cause* - *Action* Select an NAS Platform server/cluster, and then retry the operation.
KAIC18098-W	The previously specified LUN paths cannot be restored.	*Cause* - *Action* -
KAIC18099-E	The selected parity groups (*parity-groups*) cannot be used. The pool volumes are made from the selected parity groups. Select different parity groups.	*Cause* The pool volumes are made from the selected parity groups. *Action* Select different parity groups.
KAIC18100-E	Unable to find storage system. Cancel the operation and verify the storage system.	*Cause* - *Action* Cancel the operation and verify the storage system.
KAIC18101-E	The volumes (*volume-id*) that make up the selected storage pools (*storage-pool-name*) are set up as a copy pair. Delete the copy pair configuration and then try again.	*Cause* - *Action* Delete the copy pair configuration and then try again.
KAIC18102-E	No host group has the selected WWN (*wwn*) assigned. Select a different WWN.	*Cause* - *Action* Select a different WWN.
KAIC18103-E	There are no host ports in the host(*hostname*). Verify that host ports are added in the host, add WWN to the host (*hostname*) in the Edit Hosts dialog.	*Cause* - *Action* Verify that host ports are added in the host, add WWN to the host (*hostname*) in the Edit Hosts dialog.
KAIC18104-E	WWN nicknames cannot be edited because volumes are not allocated to hosts(*hostname*) using secured host groups.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC18105-E	There is no storage system configured with the WWN of the host port or you do not have the required permissions. Add a storage system with the host group to which WWN of the host port is set. Register a target port and host group to a resource group. Perform the operation as a user with Modify permission for the resource group or for All Resources.	*Cause* - *Action* Add a storage system with the host group to which WWN of the host port is set. Register a target port and host group to a resource group. Perform the operation as a user with Modify permission for the resource group or for All Resources.
KAIC18106-I	There are host groups in storage system(*storage-system,-storage-system,*---). When editing WWN nicknames for all related host groups, you must have permissions for all related host groups to change the WWN nickname.	*Cause* - *Action* -
KAIC18108-E	The same nickname (*nickname*) cannot be used in the port (*portname*). Specify a nickname that does not duplicate another nickname in the port.	*Cause* - *Action* Specify a nickname that does not duplicate another nickname in the port.
KAIC18109-E	The host groups/iSCSI targets that you are trying to use in this task might have been deleted by another operation. Retry the operation.	*Cause* - *Action* Retry the operation.
KAIC18110-W	Sending Health Check reports by email stopped because Device Manager stopped.	*Cause* - *Action* -
KAIC18111-E	A database access error occurred while sending Health Check reports by email. If the problem persists, contact the Support Center, who might ask you to collect troubleshooting information.	*Cause* - *Action* If the problem persists, contact the Support Center, who might ask you to collect troubleshooting information.
KAIC18112-E	Sending Health Check reports by email stopped because the Health Check task information was not found. If the problem persists, contact the Support Center, who might ask you to collect troubleshooting information.	*Cause* - *Action* If the problem persists, contact the Support Center, who might

Message ID	Message Text	Description
		ask you to collect troubleshooting information.
KAIC18113-E	An unexpected error occurred while sending Health Check reports by email. To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who might ask you to collect troubleshooting information.	*Cause* - *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who might ask you to collect troubleshooting information.
KAIC18114-W	The selected parity groups contain drives having characteristics different from the drives in the parity groups that make up the storage pool being expanded. Differences can include different drive types, internal and external drives, drives of different speeds, different chip types, or different RAID levels. To maintain performance and reliability, select parity groups with the same characteristics.	*Cause* - *Action* To maintain performance and reliability, select parity groups with the same characteristics.
KAIC18115-E	The selected task either cannot be restarted or has already been restarted. Either check the target task and then revise your selection, or wait until the task finishes and, if necessary, restart it.	*Cause* - *Action* Either check the target task and then revise your selection, or wait until the task finishes and, if necessary, restart it.
KAIC18116-E	The most recently restarted task has already been deleted and therefore cannot be restarted. If you need to run the task again, submit a new task.	*Cause* - *Action* If you need to run the task again, submit a new task.
KAIC18117-E	This task cannot be restarted. The permissions required to restart the task have changed, because the task was restarted by a user who has higher permissions. Contact the administrator, or, if you need to run the task again, submit a new task.	*Cause* The permissions required to restart the task have changed, because the task was restarted by a user who has higher permissions. *Action* Contact the administrator, or, if you need to run the task again, submit a new task.
KAIC18118-E	This task cannot be restarted. If you need to run the task again, submit a new task.	*Cause* -

Message ID	Message Text	Description
		Action If you need to run the task again, submit a new task.
KAIC18119-I	The following tasks will be re-executed beginning with the first task.	*Cause* - *Action* -
KAIC18120-I	This operation will restart the remaining processes of the tasks below.	*Cause* - *Action* -
KAIC18121-W	This task will modify the storage system configuration and settings. Verify the details of the task to be restarted and the current configuration and status of the target storage resource, and then restart the task. If the resources don't exist, this task cannot be restarted. If necessary, register a new task that has the same contents.	*Cause* - *Action* -
KAIC18122-E	The task cannot be restarted. Check whether the server is running. If it is not running, start it, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who might ask you to collect troubleshooting information. If you need to run the task again, submit a new task. (maintenance information = *message*)	*Cause* - *Action* Check whether the server is running. If it is not running, start it, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who might ask you to collect troubleshooting information. If you need to run the task again, submit a new task. (maintenance information = *message*)
KAIC18123-W	This operation modifies the monitoring and relocation settings of a HDT pool. Check the details of the plan to be restarted, the current status of the HDT pool on which the operation will be performed, and the operation schedule, and then perform the operation. If the resources don't exist, this task cannot be restarted. If necessary, register a	*Cause* - *Action* -

Message ID	Message Text	Description
	new task that has the same contents.	
KAIC18124-W	This operation will modify the status of a profile. Check the plan details of the task to be restarted, the current status of the profile, and the operation schedule, and then perform the operation. If the resources don't exist, this task cannot be restarted. If necessary, register a new task that has the same contents.	*Cause* - *Action* -
KAIC18125-W	This operation will modify the configuration and settings of the file server or NAS module. Check the plan details of the task to be restarted and the current configuration and status of the target resource, and then perform the operation. If necessary, register a new task that has the same contents.	*Cause* - *Action* -
KAIC18126-E	The selected task does not need to be restarted because it has already been restarted and completed.	*Cause* - *Action* -
KAIC18127-E	Hosts could not be removed. (cause = *message*) See the cause message.	*Cause* - *Action* See the cause message.
KAIC18128-E	Hosts (*host-names*) cannot be removed because you do not have permission for allocated host groups (*host-groups*). Ask the system administrator to grant you the appropriate permissions.	*Cause* - *Action* Ask the system administrator to grant you the appropriate permissions.
KAIC18129-E	Hosts (*host-names*) cannot be removed because you do not have permission for allocated iSCSI targets (*iscsi-targets*). Ask the system administrator to grant you the appropriate permissions.	*Cause* - *Action* Ask the system administrator to grant you the appropriate permissions.
KAIC18130-E	Hosts (*host-names*) cannot be removed because you do not have permission for allocated host groups and iSCSI targets (*host-groups-and-iscsi-targets*). Ask the	*Cause* - *Action*

Message ID	Message Text	Description
	system administrator to grant you the appropriate permissions.	Ask the system administrator to grant you the appropriate permissions.
KAIC18131-E	Hosts (*host-names*) cannot be removed because you do not have permission for allocated LDEVs (*ldevs*). Ask the system administrator to grant you the appropriate permissions.	*Cause* - *Action* Ask the system administrator to grant you the appropriate permissions.
KAIC18132-E	The number of volumes allocated to the specified hosts exceeds the maximum limit (*upper-limit*). (number of volumes = *number-of-volumes*) Reduce the number of specified hosts or unallocate some volumes and retry.	*Cause* - *Action* Reduce the number of specified hosts or unallocate some volumes and retry.
KAIC18133-E	Unable to detect the volumes (*volumes*). The volumes might have been deleted without shredding. Refresh the storage system, and then check the resources.	*Cause* - *Action* Refresh the storage system, and then check the resources.
KAIC18134-E	There was an error while shredding volumes (*volumes*). The shredding or formatting might not have been completed. Refresh the storage system, and then use Storage Navigator or Remote Web Console to shred the volume data or format the volume.	*Cause* - *Action* Refresh the storage system, and then use Storage Navigator or Remote Web Console to shred the volume data or format the volume.
KAIC18136-E	You do not have permission to perform this operation on the host group to which the selected WWN is assigned. Specify a different WWN pair, or grant the user the appropriate permissions.	*Cause* - *Action* Specify a different WWN pair, or grant the user the appropriate permissions.
KAIC18137-E	You do not have permission to perform this operation on the volumes in the host group specified by the selected WWN. Specify a different WWN pair, or grant the user the appropriate permissions.	*Cause* - *Action* Specify a different WWN pair, or grant the user the appropriate permissions.
KAIC18138-E	An odd number of blocks cannot be specified for the selected storage system. Use a different unit to specify the capacity, specify an even number of blocks, or	*Cause* - *Action* Use a different unit to specify the capacity, specify an even number

Message ID	Message Text	Description
	select a storage system that supports odd-numbered blocks.	of blocks, or select a storage system that supports odd-numbered blocks.
KAIC18139-E	The specified volumes are not allocated to a host managed by Device Manager. Cancel the operation, and then check whether the host to which the volumes are allocated is registered in Device Manager and is not allocated to an unsecured host group.	*Cause* - *Action* Cancel the operation, and then check whether the host to which the volumes are allocated is registered in Device Manager and is not allocated to an unsecured host group.
KAIC18140-E	The task cannot be restarted. Because volumes have been allocated by using the host group "*host-groups*", performing this operation might unallocate the volumes. If necessary, register a new task that has the same contents as the task that could not be restarted.	*Cause* Because volumes have been allocated by using the host group "*host-groups*", performing this operation might unallocate the volumes. *Action* If necessary, register a new task that has the same contents as the task that could not be restarted.
KAIC18141-E	The task cannot be restarted. If the version of Device Manager has been updated, you might not be able to restart tasks that were registered before updating. If necessary, register a new task that has the same contents as the task that could not be restarted.	*Cause* If the version of Device Manager has been updated, you might not be able to restart tasks that were registered before updating. *Action* If necessary, register a new task that has the same contents as the task that could not be restarted.
KAIC18142-E	No volume on which the operation can be performed was found. Check whether the volume is allocated to a host.	*Cause* - *Action* Check whether the volume is allocated to a host.
KAIC18143-E	The hosts (*host-names*) cannot be deleted because another operation has reserved the LDEVs (*ldevs*) that are assigned to the hosts. Wait until all running tasks finish, and then retry the operation.	*Cause* - *Action* Wait until all running tasks finish, and then retry the operation.
KAIC18144-E	This operation cannot be executed because multiple source WWNs are specified as a target WWN. The source WWNs belong to multiple host groups. Specify only one source WWN for each target WWN.	*Cause* The source WWNs belong to multiple host groups. *Action* Specify only one source WWN for each target WWN.

Message ID	Message Text	Description
KAIC18145-E	The task cannot be restarted because the task has already completed.	*Cause* - *Action* -
KAIC18146-W	Check the plan details of the task to be restarted and the operation schedule, and then perform the operation. If the resources don't exist, this task cannot be restarted. If necessary, register a new task that has the same contents.	*Cause* - *Action* -
KAIC18147-W	This operation will change the configuration of the HDT pool. Before you restart the task, confirm the plan of the task you are trying to restart and the current state and operation schedule of monitoring and relocation of the HDT pool you are trying to configure. If the resources don't exist, this task cannot be restarted. If necessary, register a new task that has the same contents. When execution of the task failed, the task is displayed in the Tasks list.	*Cause* - *Action* -
KAIC18148-E	Unable to find the specified host group. The specified host group might be deleted or allocated to hosts using unsecured host groups. Cancel the operation and verify the resources.	*Cause* The specified host group might be deleted or allocated to hosts using unsecured host groups. *Action* Cancel the operation and verify the resources.
KAIC18149-E	One or more volumes (*volumes*) cannot be unallocated. The last path of one or more volumes (*volumes*) that are specified in copy pairs cannot be unallocated. Release the copy pairs and retry.	*Cause* The last path of one or more volumes (*volumes*) that are specified in copy pairs cannot be unallocated. *Action* Release the copy pairs and retry.
KAIC18150-E	One or more volumes (*volumes*) cannot be unallocated. The cause is either of the following: - In Data Retention Utility, the allocation of volumes that have the Reserved attribute cannot be changed.	*Cause* The cause is either of the following: • In Data Retention Utility, the allocation of volumes that have the Reserved attribute cannot be changed.

Message ID	Message Text	Description
	- The allocation of volumes that have the mapping guard specified cannot be changed. Use Storage Navigator, Storage Navigator Modular 2 to modify the volumes.	• The allocation of volumes that have the mapping guard specified cannot be changed. *Action* Use Storage Navigator, Storage Navigator Modular 2 to modify the volumes.
KAIC18151-E	The number of LUN paths configured for the specified hosts exceeds the maximum limit (*upper-limit*). (number of LUN paths = *number-of-lun-paths*) Reduce the number of specified hosts or unallocate some LUN paths and retry.	*Cause* - *Action* Reduce the number of specified hosts or unallocate some LUN paths and retry.
KAIC18152-E	If the version of Device Manager has been updated, you could not restart tasks that were registered before updating. If necessary, register a new task that has the same contents as the task that could not be restarted.	*Cause* - *Action* If necessary, register a new task that has the same contents as the task that could not be restarted.
KAIC18153-E	You cannot edit the LUN path because you do not have permission for host groups (*hostgroupid(port)*) assigned to the volume. Ask the system administrator to grant you the appropriate permissions.	*Cause* - *Action* Ask the system administrator to grant you the appropriate permissions.
KAIC18154-W	You cannot change the host group settings because the host group settings (*attribute-name*) are not the same.	*Cause* - *Action* -
KAIC18155-E	You cannot perform operations because you cannot create any new host groups. The values of *attribute-name* for the existing host groups are not the same. Perform operations by using the Device Manager CLI or Storage Navigator, Storage Navigator Modular 2.	*Cause* The values of *attribute-name* for the existing host groups are not the same. *Action* Perform operations by using the Device Manager CLI or Storage Navigator, Storage Navigator Modular 2.
KAIC18156-E	Volumes cannot be allocated to a host. The required LUN Manager license is not registered in the storage system "*storage-system-name*". Register a LUN Manager license for the storage system "*storage-system-name*".Refresh the storage system and try again.	*Cause* The required LUN Manager license is not registered in the storage system "*storage-system-name*". *Action*

Message ID	Message Text	Description
		Register a LUN Manager license for the storage system "*storage-system-name*".Refresh the storage system and try again.
KAIC18157-I	You do not have permission for the selected volume to shred the volume.	*Cause* - *Action* -
KAIC18158-I	Cannot shred this volume because it is being used by the host.	*Cause* - *Action* -
KAIC18159-I	Cannot shred this volume because it is not writeable.	*Cause* - *Action* -
KAIC18160-I	Cannot shred this volume because it is a pair volume.	*Cause* - *Action* -
KAIC18161-I	Cannot shred this volume because it is a command device.	*Cause* - *Action* -
KAIC18162-I	Cannot shred this volume because it is a system disk.	*Cause* - *Action* -
KAIC18163-I	Cannot shred this volume because it is a quorum disk.	*Cause* - *Action* -
KAIC18164-I	Cannot shred this volume because it is reserved.	*Cause* - *Action* -
KAIC18165-I	Cannot shred this volume because it is a virtual volume whose virtual ID cannot be deleted.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC18166-I	Cannot shred this volume because this volume is reserved for migration.	*Cause* - *Action* -
KAIC18167-E	Volumes could be neither shred nor formatted. (cause = *message*) See the cause message.	*Cause* - *Action* See the cause message.
KAIC18168-E	The internal storage system is busy. Wait a few minutes and try again.	*Cause* - *Action* -
KAIC18175-E	No internal storage system supports port scan function.	*Cause* - *Action* -
KAIC18176-I	This storage system does not support shredding or formatting.	*Cause* - *Action* -
KAIC18178-E	There is no virtualized storage system.	*Cause* - *Action* -
KAIC18179-I	Cannot shred this volume because it is a pool volume.	*Cause* - *Action* -
KAIC18180-I	No internal storage systems have Hitachi Universal Volume Manager installed. Only remote command devices can be created. To create remote command devices, select "Search new systems/volumes by port scan" as an external storage system	*Cause* - *Action* -
KAIC18181-E	The specified volumes cannot be used for a pool. These volumes have different chip types. Specify volumes that have the same chip type.	*Cause* - *Action* Specify volumes that have the same chip type.
KAIC18182-E	The unvirtualize task failed.	*Cause*

Message ID	Message Text	Description
	1. Restart task. 2. If restarted task failed, refresh the storage system. 3. Check for parity groups on the internal storage system and unvirtualize them, if necessary. 4. Check status of the volumes on the external storage system and unallocate or delete them, if necessary. [Error Information] ---- *error-message* ----	- *Action* 1. Restart task. 2. If restarted task failed, refresh the storage system. 3. Check for parity groups on the internal storage system and unvirtualize them, if necessary. 4. Check status of the volumes on the external storage system and unallocate or delete them, if necessary. [Error Information] ---- *error-message* ----
KAIC18183-E	The unvirtualize task failed. 1. Restart task. 2. If restarted task failed, refresh the storage system. 3.Check for parity groups on the internal storage system and unvirtualize them, if necessary. [Error Information] ---- *error-message* ----	*Cause* - *Action* 1. Restart task. 2. If restarted task failed, refresh the storage system. 3. Check for parity groups on the internal storage system and unvirtualize them, if necessary. [Error Information] ---- *error-message* ----
KAIC18184-E	The external volumes to be processed cannot be unallocated safely because they are used by other hosts or storage systems. Please examine the state of the host groups (*host-group*) in the external storage system, and do one of the following: - If you can unvirtualize all external volumes that belong to the host group, select all the external parity groups corresponding to the volumes to be unvirtualized, and unvirtualize them. - If the external volumes to be processed are allocated to other hosts or storage systems,	*Cause* - *Action* Please examine the state of the host groups (*host-group*) in the external storage system, and do one of the following: • If you can unvirtualize all external volumes that belong to the host group, select all the external parity groups corresponding to the volumes to be unvirtualized, and unvirtualize them. • If the external volumes to be processed are allocated to other hosts or storage

Message ID	Message Text	Description
	unallocate them and then unvirtualize them. - Unvirtualize the external volumes by using the DeleteExternalArrayGroup CLI command, and unallocate the external volumes if necessary.	systems, unallocate them and then unvirtualize them. • Unvirtualize the external volumes by using the DeleteExternalArrayGroup CLI command, and unallocate the external volumes if necessary.
KAIC18185-E	No hosts available to be merged.	*Cause* - *Action* -
KAIC18186-E	Unable to find the specified host. The specified host might be deleted. Refresh the host list.	*Cause* The specified host might be deleted. *Action* Refresh the host list.
KAIC18187-E	The host name (*host-name*) is already used by an existing host. Specify a different host name.	*Cause* - *Action* Specify a different host name.
KAIC18188-E	No storage systems are available for host scan.	*Cause* - *Action* -
KAIC18196-E	The virtual storage machine "*vdkc-name*" is in use by other tasks. After the other tasks finish, retry the operation.	*Cause* - *Action* After the other tasks finish, retry the operation.
KAIC18197-E	This resource group name already exists.	*Cause* - *Action* -
KAIC18198-E	A virtual storage machine with the specified virtual model (*virtual-model*) and virtual serial number (*virtual-serialnumber*) already exists. Cancel the operation, and then check the virtual storage machine list.	*Cause* - *Action* Cancel the operation, and then check the virtual storage machine list.
KAIC18199-E	One or more of the selected resources are already in use by another resource group. Cancel the task, and then check the resources.	*Cause* - *Action*

Message ID	Message Text	Description
		Cancel the task, and then check the resources.
KAIC18200-E	The virtual storage machine (*vdkc-name*) cannot be deleted. The selected virtual storage machine cannot be deleted because it is the default virtual storage machine of the storage system.	*Cause* The selected virtual storage machine cannot be deleted because it is the default virtual storage machine of the storage system. *Action* -
KAIC18201-E	The selected virtual storage machine cannot be edited. The virtual storage machine might have been deleted. Verify that the virtual storage machine is correct.	*Cause* The virtual storage machine might have been deleted. *Action* Verify that the virtual storage machine is correct.
KAIC18202-E	Cannot edit virtual storage machine.	*Cause* - *Action* -
KAIC18203-E	The operation cannot be executed for this resource group. The specified resource group *resource-group-name* is being used by another task. Wait for the other task to finish, and then try again.	*Cause* The specified resource group *resource-group-name* is being used by another task. *Action* Wait for the other task to finish, and then try again.
KAIC18204-E	The operation cannot be executed for this resource group. The specified resource group has already been deleted. Cancel the operation, and then check the resource group.	*Cause* The specified resource group has already been deleted. *Action* Cancel the operation, and then check the resource group.
KAIC18205-E	The operation cannot be executed for this resource group. The resource to be added is already registered in a resource group. Cancel the operation, and then verify the resource.	*Cause* The resource to be added is already registered in a resource group. *Action* Cancel the operation, and then verify the resource.
KAIC18206-E	The storage system (*storagesystemname*) cannot be added to the virtual storage machine. The number of resource groups to be registered exceeds the maximum (*max*). Check the	*Cause* The number of resource groups to be registered exceeds the maximum (*max*). *Action*

Message ID	Message Text	Description
	resource group list, and then try again.	Check the resource group list, and then try again.
KAIC18207-E	The storage system "*storagesystemname*" cannot be added. A resource group of the storage system is already using the name "*rgname*". Cancel the operation, change the name of the resource group, and then retry the operation.	*Cause* A resource group of the storage system is already using the name "*rgname*". *Action* Cancel the operation, change the name of the resource group, and then retry the operation.
KAIC18208-E	The storage system (*storagesystemname*) cannot be added to the virtual storage machine. The number of virtual storage machines to be created in the storage system exceeds the maximum (*max*). Check the virtual storage machine list, and then try again.	*Cause* The number of virtual storage machines to be created in the storage system exceeds the maximum (*max*). *Action* Check the virtual storage machine list, and then try again.
KAIC18209-E	The virtual storage machine information might not be up to date. Refresh the storage system "*storage-system-name*", and then retry the operation.	*Cause* - *Action* Refresh the storage system "*storage-system-name*", and then retry the operation.
KAIC18210-E	A resource group cannot be assigned to a user group. One of these combinations is selected: - All Resources and a resource pool for virtual storage machine. - The default resource group and a virtual storage machine resource pool for the same storage system. Select another resource group and then try again.	*Cause* One of these combinations is selected: - All Resources and a resource pool for virtual storage machine. - The default resource group and a virtual storage machine resource pool for the same storage system. *Action* Select another resource group and then try again.
KAIC18211-E	Unable to delete all storage systems.	*Cause* - *Action* -
KAIC18212-E	The virtual storage machine cannot be created. In the task details of the [Storage Systems] tab, check the message column and resolve the problem. After that, check the virtual storage machine status and perform the appropriate operation: 1. If the target virtual storage machine does not exist, retry the	*Cause* - *Action* In the task details of the [**Storage Systems**] tab, check the message column and resolve the problem. After that, check the virtual storage machine status and

Message ID	Message Text	Description
	operation from the Create Virtual Storage Machine dialog box. 2. If the target virtual storage machine exists, perform the operation from the Edit Virtual Storage Machine dialog box.	perform the appropriate operation: 1. If the target virtual storage machine does not exist, retry the operation from the Create Virtual Storage Machine dialog box. 2. If the target virtual storage machine exists, perform the operation from the Edit Virtual Storage Machine dialog box.
KAIC18213-E	The virtual storage machine cannot be created. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC18214-E	The resources cannot be added to the virtual storage machine. (maintenance information = *maintenance-information*) The configuration information of the storage system has been changed.	*Cause* The configuration information of the storage system has been changed. *Action* -
KAIC18215-E	The resources cannot be added to the virtual storage machine. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC18216-E	The resources cannot be added to the virtual storage machine. (Maintenance information: *maintenance-information*) The configuration information of the storage system has been changed.	*Cause* The configuration information of the storage system has been changed. *Action* -
KAIC18217-E	The resources cannot be added to the virtual storage machine. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC18218-E	The resources cannot be deleted from the virtual storage machine. (maintenance information = *maintenance-information*) The configuration information of the storage system has been changed.	*Cause* The configuration information of the storage system has been changed. *Action* -
KAIC18219-E	The resources cannot be deleted from the virtual storage machine. (Maintenance information: *maintenance-information*)	*Cause* - *Action*

Message ID	Message Text	Description
		-
KAIC18220-E	The name of the virtual storage machine cannot be changed. (maintenance information = *maintenance-information*) The configuration information of the storage system has been changed.	*Cause* The configuration information of the storage system has been changed. *Action* -
KAIC18221-E	The storage system cannot be added to the virtual storage machine. (maintenance information = *maintenance-information*) The configuration information of the storage system has been changed.	*Cause* The configuration information of the storage system has been changed. *Action* -
KAIC18222-E	The storage system cannot be added to the virtual storage machine. (maintenance information = *maintenance-information*)	*Cause* - *Action* -
KAIC18223-E	The storage system cannot be deleted from the virtual storage machine. (maintenance information = *maintenance-information*) The configuration information of the storage system has been changed.	*Cause* The configuration information of the storage system has been changed. *Action* -
KAIC18224-E	Unable to edit specified resource group. One of the following is selected: All Resources, the default resource group for the storage system, or a resource pool. Select another resource group and then try again. If you want to add or delete resources for the resource pool, edit the virtual storage machine.	*Cause* One of the following is selected: All Resources, the default resource group for the storage system, or a resource pool. *Action* Select another resource group and then try again. If you want to add or delete resources for the resource pool, edit the virtual storage machine.
KAIC18225-E	Unable to delete resource group (*resource-group-name*). One of the following is selected: All Resources, the default resource group for the storage system, or a resource pool. Select another resource group and then try again.	*Cause* One of the following is selected: All Resources, the default resource group for the storage system, or a resource pool. *Action* Select another resource group and then try again.
KAIC18226-E	The storage system cannot be deleted from the virtual storage machine. (Maintenance	*Cause* - *Action*

Message ID	Message Text	Description
	information: *maintenance-information*)	-
KAIC18227-E	The virtual storage machine cannot be deleted. Check the message in the [Target Storage System] column and resolve the problem. After that, check the virtual storage machine status and, if necessary, retry the operation.	*Cause* - *Action* Check the message in the [**Target Storage System**] column and resolve the problem. After that, check the virtual storage machine status and, if necessary, retry the operation.
KAIC18228-E	The virtual storage machine cannot be deleted. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC18229-E	The storage system "*storage-system-name*" cannot be deleted. A volume being used for data migration using a virtual ID is included. In the [LDEV IDs] tab, check the resources.	*Cause* A volume being used for data migration using a virtual ID is included. *Action* In the [**LDEV IDs**] tab, check the resources.
KAIC18230-E	The storage system "*storage-system-name*" cannot be deleted. A volume to which a path is set is included. On the [LDEV ID] tab, check the resource.	*Cause* A volume to which a path is set is included. *Action* On the [**LDEV ID**] tab, check the resource.
KAIC18231-E	The storage system "*storage-system-name*" cannot be deleted. The storage system contains a volume that has the GAD Reserved virtual attribute. On the [LDEV ID] tab, check the resource.	*Cause* The storage system contains a volume that has the GAD Reserved virtual attribute. *Action* On the [**LDEV ID**] tab, check the resource.
KAIC18232-E	The storage system "*storage-system-name*" cannot be deleted. A host group used by a virtual port is included. On the [Host Group Number] tab, check the resource.	*Cause* A host group used by a virtual port is included. *Action* On the [**Host Group Number**] tab, check the resource.
KAIC18233-E	The storage system "*storage-system-name*" cannot be deleted. A host group to which a path is set is included. On the [Host Group Number] tab, check the resource.	*Cause* A host group to which a path is set is included. *Action*

Message ID	Message Text	Description
		On the [**Host Group Number**] tab, check the resource.
KAIC18234-E	The storage system "*storage-system-name*" cannot be deleted. A port using a virtual ID is included. On the [Storage Ports] tab, check the resource.	*Cause* A port using a virtual ID is included. *Action* On the [**Storage Ports**] tab, check the resource.
KAIC18235-E	The storage system "*storage-system-name*" cannot be deleted. Other resources in the storage system are in use by other tasks. Wait for the other tasks to finish, and then try again.	*Cause* Other resources in the storage system are in use by other tasks. *Action* Wait for the other tasks to finish, and then try again.
KAIC18236-E	The virtual storage machine "*vdkc-name*" cannot be deleted. The virtual storage machine "*vdkc-name*" contains resources that are in use by other tasks. Wait for the other tasks to finish, and then try again.	*Cause* The virtual storage machine "*vdkc-name*" contains resources that are in use by other tasks. *Action* Wait for the other tasks to finish, and then try again.
KAIC18237-E	One or more of the virtual storage machine might have already been deleted. Check whether the virtual storage machine exists.	*Cause* - *Action* Check whether the virtual storage machine exists.
KAIC18238-E	The virtual storage machine "*vdkc-name*" cannot be deleted. A volume being used for data migration using a virtual ID is included. Cancel the operation, verify the virtual storage machine details, and then try again.	*Cause* A volume being used for data migration using a virtual ID is included. *Action* Cancel the operation, verify the virtual storage machine details, and then try again.
KAIC18239-E	The virtual storage machine "*vdkc-name*" cannot be deleted. A volume to which a path is set is included. Cancel the operation, verify the virtual storage machine details, and then try again.	*Cause* A volume to which a path is set is included. *Action* Cancel the operation, verify the virtual storage machine details, and then try again.
KAIC18240-E	The virtual storage machine "*vdkc-name*" cannot be deleted. The storage system contains a volume that has the GAD Reserved virtual attribute. Cancel the operation,	*Cause* The storage system contains a volume that has the GAD Reserved virtual attribute.

Message ID	Message Text	Description
	verify the virtual storage machine details, and then try again.	*Action* Cancel the operation, verify the virtual storage machine details, and then try again.
KAIC18241-E	The virtual storage machine "*vdkc-name*" cannot be deleted. A host group used by a virtual port is included. Cancel the operation, verify the virtual storage machine details, and then try again.	*Cause* A host group used by a virtual port is included. *Action* Cancel the operation, verify the virtual storage machine details, and then try again.
KAIC18242-E	The virtual storage machine "*vdkc-name*" cannot be deleted. A host group to which a path is set is included. Cancel the operation, verify the virtual storage machine details, and then try again.	*Cause* A host group to which a path is set is included. *Action* Cancel the operation, verify the virtual storage machine details, and then try again.
KAIC18243-E	The virtual storage machine "*vdkc-name*" cannot be deleted. A port using a virtual ID is included. Cancel the operation, verify the virtual storage machine details, and then try again.	*Cause* A port using a virtual ID is included. *Action* Cancel the operation, verify the virtual storage machine details, and then try again.
KAIC18244-W	The storage system "*name-of-storage-system*" on which you attempted to perform an operation is being refreshed. The displayed information may not be up-to-date.	*Cause* - *Action* -
KAIC18245-W	The storage system "*name-of-storage-system*" information may not be up-to-date. Refresh the storage system.	*Cause* - *Action* Refresh the storage system.
KAIC18246-E	Not enough LDEV IDs are available. Either reduce the specified number of LDEV IDs, or change the starting LDEV ID.	*Cause* - *Action* Either reduce the specified number of LDEV IDs, or change the starting LDEV ID.
KAIC18247-E	Available host group numbers of storage ports "*portnames*" are insufficient. Either reduce the specified number of host group numbers, or change the selected storage port.	*Cause* - *Action*

Message ID	Message Text	Description
		Either reduce the specified number of host group numbers, or change the selected storage port.
KAIC18248-E	The virtual storage machine cannot be created. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC18249-E	The virtual storage machine cannot be edited. In the task details in the [Storage Systems] tab, check the message column and resolve the problem. After that, check the virtual storage machine status and, if necessary, perform the operation from the Edit Virtual Storage Machine dialog box.	*Cause* - *Action* In the task details in the [**Storage Systems**] tab, check the message column and resolve the problem. After that, check the virtual storage machine status and, if necessary, perform the operation from the Edit Virtual Storage Machine dialog box.
KAIC18250-E	The virtual storage machine cannot be deleted.(maintenance information = *maintenance-information*) The configuration information of the storage system has been changed.	*Cause* The configuration information of the storage system has been changed. *Action* -
KAIC18251-E	The storage system "*name-of-storage-system*" cannot be added to the virtual storage machine. Another task in the same storage system has reserved the resource group name "*name-of-resource-group*". Terminate the operation. After verifying that the other task has finished, change the name of the resource group, and then retry the operation.	*Cause* Another task in the same storage system has reserved the resource group name "*name-of-resource-group*". *Action* Terminate the operation. After verifying that the other task has finished, change the name of the resource group, and then retry the operation.
KAIC18252-E	The storage system (*name-of-storage-system*) cannot be added. Other tasks might have already added the specified storage system to the virtual storage machine (*vdkc-name*). Cancel the operation, and then after the other tasks have finished, check the virtual storage machine list.	*Cause* Other tasks might have already added the specified storage system to the virtual storage machine (*vdkc-name*). *Action* Cancel the operation, and then after the other tasks have finished, check the virtual storage machine list.
KAIC18253-E	The selected resources of storage system cannot be added. The storage system contains a volume	*Cause* The storage system contains a volume that is undergoing non-

Message ID	Message Text	Description
	that is undergoing non-disruptive migration by using a virtual ID. (storage system = *name-of-storage-system*) Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.	disruptive migration by using a virtual ID. (storage system = *name-of-storage-system*) *Action* Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.
KAIC18254-E	The selected resources of the storage system cannot be added. A resource group of the storage system contains a volume that is undergoing non-disruptive migration by using a virtual ID. (resource group = *name-of-resource-group*, storage system = *name-of-storage-system*) In the [LDEV IDs] tab, check the resources.	*Cause* A resource group of the storage system contains a volume that is undergoing non-disruptive migration by using a virtual ID. (resource group = *name-of-resource-group*, storage system = *name-of-storage-system*) *Action* In the [**LDEV IDs**] tab, check the resources.
KAIC18255-E	The storage system "*name-of-storage-systems*" cannot be deleted. The storage system contains a volume that is being migrated by using a virtual ID. Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.	*Cause* The storage system contains a volume that is being migrated by using a virtual ID. *Action* Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.
KAIC18256-E	The storage system cannot be added to the virtual storage machine. The product code of the storage system "*name-of-storage-system*" differs from the product code of the virtual storage machine that you are operating. Choose a different storage system.	*Cause* The product code of the storage system "*name-of-storage-system*" differs from the product code of the virtual storage machine that you are operating. *Action* Choose a different storage system.
KAIC18257-E	The storage system (*name-of-storage-systems*) cannot be added. The specified storage system was already added to the virtual storage machine (*vdkc-name*). Cancel the operation, and then check the virtual storage machine.	*Cause* The specified storage system was already added to the virtual storage machine (*vdkc-name*). *Action* Cancel the operation, and then check the virtual storage machine.
KAIC18258-E	The specified virtual model (*virtual-model*) and virtual serial number (*virtual-serialnumber*) are	*Cause* -

Message ID	Message Text	Description
	in use by another task. Cancel the operation, and then after the other tasks have finished, check the virtual storage machine list.	*Action* Cancel the operation, and then after the other tasks have finished, check the virtual storage machine list.
KAIC18259-E	The virtual storage machine cannot be edited. (Maintenance information: *maintenance-information*)	*Cause* - *Action* -
KAIC18260-E	This operation cannot be executed for the specified storage system. The specified storage system does not exist in the database. Verify whether the storage system has been registered.	*Cause* The specified storage system does not exist in the database. *Action* Verify whether the storage system has been registered.
KAIC18261-E	No storage system which can manage the system task.	*Cause* - *Action* -
KAIC18262-E	The virtual storage machine "*vdkcname*" cannot be deleted. The storage system "*name-of-storage-system*" contains a volume that is being migrated by using a virtual ID. Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.	*Cause* The storage system "*name-of-storage-system*" contains a volume that is being migrated by using a virtual ID. *Action* Cancel the operation, and then check the virtual storage machine details of the default virtual storage machine of a storage system.
KAIC18263-E	Cannot add a storage system to virtual storage machine. This virtual ID already reserved. Delete virtual storage machine used by virtual ID or select a different virtual ID.	*Cause* This virtual ID already reserved. *Action* Delete virtual storage machine used by virtual ID or select a different virtual ID.
KAIC18264-E	*sn-task-type* failed. (storage system: "*name-of-storage-system*") Verify the error on the screen and then try again.	*Cause* - *Action* Verify the error on the screen and then try again.
KAIC18265-E	Unable to collect system tasks. (storage system: "*storage-system*",maintenance information = "*maintenance-information*")	*Cause* - *Action*

Message ID	Message Text	Description
	Resolve the problem by referring to the maintenance information.	Resolve the problem by referring to the maintenance information.
KAIC18266-E	Database updating failed. (storage system: "*storage-system*",failed information = "*failed-information*") Resolve the problem by referring to the failure information. In addition, the storage system information in Device Manager is not current. Re-execute the failed Update Database task for the target storage system, or refresh the storage system information.	*Cause* - *Action* Resolve the problem by referring to the failure information. In addition, the storage system information in Device Manager is not current. Re-execute the failed Update Database task for the target storage system, or refresh the storage system information.
KAIC18267-W	The value specified for a property is incorrect. The system will use the default value for the property. (file name = "*file-name*", property name = "*property-name*", specified value = "*specified-value*", default value = "*default-value*") If the default value does not cause any problems, no further action is required. If you specify a value different from the default value, make sure that the property settings are correct, and then restart the services.	*Cause* - *Action* If the default value does not cause any problems, no further action is required. If you specify a value different from the default value, make sure that the property settings are correct, and then restart the services.
KAIC18268-E	The selected multiple hosts cannot be edited. Edit the each host. Or overwrite the host information by adding the target hosts.	*Cause* - *Action* Edit the each host. Or overwrite the host information by adding the target hosts.
KAIC18269-E	The restart of the task on the host which collect data via vMA is not supported. Register a new task which collect the host data via Host Data Collector.	*Cause* - *Action* Register a new task which collect the host data via Host Data Collector.
KAIC18270-E	The selected resource contains a resource that has already been deleted from the virtual storage machine "*vdkc-name*". Cancel the operation, and then check the virtual storage machine.	*Cause* - *Action* Cancel the operation, and then check the virtual storage machine.
KAIC18271-E	More than 1 storage system has been added to the virtual storage machine. Use the DeleteVResourcePartitionUnit command from the Device	*Cause* - *Action*

Message ID	Message Text	Description
	Manager CLI to remove a storage system from the virtual storage machine.	Use the DeleteVResourcePartitionUnit command from the Device Manager CLI to remove a storage system from the virtual storage machine.
KAIC18272-E	The virtual storage machine cannot be edited. The virtual storage machine might have been deleted. Verify that the virtual storage machine is correct.	*Cause* The virtual storage machine might have been deleted. *Action* Verify that the virtual storage machine is correct.
KAIC18273-E	One or more of the Storage systems might have already been deleted. Verify that the Storage systems exists.	*Cause* - *Action* Verify that the Storage systems exists.
KAIC18274-E	Unable to find the specified storage system. The specified storage system might be deleted. Cancel the operation and verify the storage system.	*Cause* The specified storage system might be deleted. *Action* Cancel the operation and verify the storage system.
KAIC18275-E	The selected task cannot be restarted. The storage system might have been deleted. Cancel the operation, and then check the storage system.	*Cause* The storage system might have been deleted. *Action* Cancel the operation, and then check the storage system.
KAIC18276-E	The selected task cannot be restarted. A virtual storage machine that has the specified virtual model and virtual serial number already exists. (virtual ID of the virtual storage machine = *virtual-id*) Cancel the operation, and then check the list of virtual storage machines.	*Cause* A virtual storage machine that has the specified virtual model and virtual serial number already exists. (virtual ID of the virtual storage machine = *virtual-id*) *Action* Cancel the operation, and then check the list of virtual storage machines.
KAIC18277-E	The selected task cannot be restarted. Another task might already have added the storage system specified for the virtual storage machine "*vdkc-name*". Cancel the operation, and then after the other tasks finish, check the list of virtual storage machines.	*Cause* Another task might already have added the storage system specified for the virtual storage machine "*vdkc-name*". *Action* Cancel the operation, and then after the other tasks finish, check

Message ID	Message Text	Description
		the list of virtual storage machines.
KAIC18278-E	The selected task cannot be restarted. The resource to be added is already in use by a resource group. Cancel the operation, and then check the resource.	*Cause* The resource to be added is already in use by a resource group. *Action* Cancel the operation, and then check the resource.
KAIC18279-E	The selected task cannot be restarted. The resource to be deleted has already been deleted from the virtual storage machine. Cancel the operation and verify the resources.	*Cause* The resource to be deleted has already been deleted from the virtual storage machine. *Action* Cancel the operation and verify the resources.
KAIC18280-E	The selected task cannot be restarted. The virtual storage machine might have been deleted. Cancel the operation, and then check the virtual storage machine.	*Cause* The virtual storage machine might have been deleted. *Action* Cancel the operation, and then check the virtual storage machine.
KAIC18281-E	The selected task cannot be restarted. The virtual storage machine information might not be up to date. Refresh the storage system information, and then retry the operation.	*Cause* The virtual storage machine information might not be up to date. *Action* Refresh the storage system information, and then retry the operation.
KAIC18282-E	The selected file systems cannot be unmounted because they are associated with one or more tasks for adding file shares. (file system names = *file-system-names*, task names = *task-names*) Temporarily stop the operation, and then either wait for any related tasks to finish or cancel them. After that, retry the operation.	*Cause* - *Action* Temporarily stop the operation, and then either wait for any related tasks to finish or cancel them. After that, retry the operation.
KAIC18283-W	The selected file systems are associated with one or more tasks for editing file shares. Therefore, if the file systems are unmounted, the share-editing tasks might fail. (file system names = *file-system-names*, task names = *task-names*) We recommend the following: Temporarily stop the operation,	*Cause* - *Action* We recommend the following: Temporarily stop the operation, and then either wait for any related tasks to finish or cancel

Message ID	Message Text	Description
	and then either wait for any related tasks to finish or cancel them. After that, retry the operation.	them. After that, retry the operation.
KAIC18284-W	The selected file system cannot be expanded by using [On Demand Allocation] because the status of the file system is "*file-system-status*".	*Cause* - *Action* -
KAIC18285-W	The storage pool for the selected file system does not permit [On Demand Allocation] for file systems.	*Cause* - *Action* -
KAIC18286-E	Flash Player is not installed, or the browser options might not be correctly set. Install a version of Flash Player supported by Hitachi Command Suite, or set the browser options and then reopen Hitachi Command Suite. For details on system requirements, see "Hitachi Command Suite System Requirements". For details on how to set the browser options, see the "Hitachi Command Suite User Guide".	*Cause* - *Action* -
KAIC18287-E	Volumes cannot be created because information about free space was changed. (Free Space Information (Parity Group/Free Space Number) = *free-space-information*) The size or starting LBA of the specified free space was changed. Select a different area of free space, and then execute the task again.	*Cause* The size or starting LBA of the specified free space was changed. *Action* Select a different area of free space, and then execute the task again.
KAIC18288-E	The selected task cannot be restarted. The storage system might have been deleted. Cancel the operation, and then check the storage system.	*Cause* The storage system might have been deleted. *Action* Cancel the operation, and then check the storage system.
KAIC18289-E	The selected task cannot be restarted. The specified resource group name is already in use. Cancel the operation, and then check the resource group list.	*Cause* The specified resource group name is already in use. *Action* Cancel the operation, and then check the resource group list.

Message ID	Message Text	Description
KAIC18290-E	The selected task cannot be restarted. The resource group might have been deleted. Cancel the operation, and then check the resource group list.	*Cause* The resource group might have been deleted. *Action* Cancel the operation, and then check the resource group list.
KAIC18291-E	The selected task cannot be restarted. One or more of the specified resources are already in use in a resource group. Cancel the operation, and then check the resources.	*Cause* One or more of the specified resources are already in use in a resource group. *Action* Cancel the operation, and then check the resources.
KAIC18292-E	The selected task cannot be restarted. One or more of the specified resources might already have been deleted or might have been registered in a different resource group. Cancel the operation, and then check the resources.	*Cause* One or more of the specified resources might already have been deleted or might have been registered in a different resource group. *Action* Cancel the operation, and then check the resources.
KAIC18293-E	Task cannot be registered. The status of selected volumes or host groups has been modified. Cancel the operation, and then try again. (*conflicted-resources*)	*Cause* The status of selected volumes or host groups has been modified. *Action* Cancel the operation, and then try again. (*conflicted-resources*)
KAIC18294-E	The selected task cannot be restarted. The number of resource groups that can be registered in the selected storage system (*max*) is exceeded. Remove any unnecessary resource groups, and then try again.	*Cause* The number of resource groups that can be registered in the selected storage system (*max*) is exceeded. *Action* Remove any unnecessary resource groups, and then try again.
KAIC18295-E	The resource group cannot be created. The number of resource groups that can be registered in the selected storage system (*max*) is exceeded. Remove any unnecessary resource groups, and then try again.	*Cause* The number of resource groups that can be registered in the selected storage system (*max*) is exceeded. *Action* Remove any unnecessary resource groups, and then try again.

Message ID	Message Text	Description
KAIC18296-E	The resource group cannot be created. (maintenance information = *maintenance-information*) Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation from the Create Resource Group dialog box.	*Cause* - *Action* Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation from the Create Resource Group dialog box.
KAIC18297-E	The resources cannot be added to the resource group. (maintenance information = *maintenance-information*) Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation from the Edit Resource Group dialog box.	*Cause* - *Action* Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation from the Edit Resource Group dialog box.
KAIC18298-E	The resource group cannot be edited. (maintenance information = *maintenance-information*) Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation from the Edit Resource Group dialog box.	*Cause* - *Action* Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation from the Edit Resource Group dialog box.
KAIC18299-E	The resource group cannot be deleted. (maintenance information = *maintenance-information*) Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation.	*Cause* - *Action* Check the maintenance information, resolve the problem, and then check the resource group status. If necessary, retry the operation.
KAIC18300-E	The selected volumes cannot be allocated in a single operation. When selecting more than one volume, select volumes that belong to the same virtual storage machine.	*Cause* - *Action* When selecting more than one volume, select volumes that belong to the same virtual storage machine.
KAIC18301-E	The selected virtual storage machine is in use by another task. Cancel the operation, wait for the other task to finish, and then check the virtual storage machine.	*Cause* - *Action*

Message ID	Message Text	Description
		Cancel the operation, wait for the other task to finish, and then check the virtual storage machine.
KAIC18302-E	One or more of the selected volumes is in use by another task. (volumes = *ldev-id*) Select different volumes.	*Cause* - *Action* Select different volumes.
KAIC18303-E	One or more of the selected host groups is in use by another task. (host groups = *host-group-name*) Retry the operation after the other task using the parity group is complete.	*Cause* - *Action* Retry the operation after the other task using the parity group is complete.
KAIC18304-E	Device Manager does not support this operation for the Virtual Storage Machine "*vdkcname*".	*Cause* - *Action* -
KAIC18305-E	This operation cannot be executed. The volume and host group/iSCSI target do not belong to the same Virtual Storage Machine. The volume and host group/iSCSI target must belong to the same Virtual Storage Machine. Select a different port or WWN/iSCSI name and then set the path, or stop operations and then change the Virtual Storage Machine to which the volume and host group/iSCSI target belong.	*Cause* The volume and host group/iSCSI target do not belong to the same Virtual Storage Machine. *Action* The volume and host group/iSCSI target must belong to the same Virtual Storage Machine. Select a different port or WWN/iSCSI name and then set the path, or stop operations and then change the Virtual Storage Machine to which the volume and host group/iSCSI target belong.
KAIC18306-E	This operation cannot be executed. The WWN(*wwn*) is already in use by host group of the ports(*port-name*). Select a different port or WWN.	*Cause* The WWN(*wwn*) is already in use by host group of the ports(*port-name*). *Action* Select a different port or WWN.
KAIC18307-W	iSCSI is not supported on virtualization servers. iSCSI name of source hosts(*host-name*) will be discarded.	*Cause* - *Action* -
KAIC18308-E	iSCSI is not supported on virtualization servers. You cannot merge hosts because at least one of the selected source hosts(*host-name*) does not have a WWN.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC18309-E	A volume that cannot be allocated is included. The volume belongs to the default Virtual Storage Machine and does not have a virtual LDEV ID assigned. (volume = *ldev-id*) Select a different volume.	*Cause* The volume belongs to the default Virtual Storage Machine and does not have a virtual LDEV ID assigned. (volume = *ldev-id*) *Action* Select a different volume.
KAIC18310-E	Parameters other than the name were successfully changed, but the name could not be changed. (maintenance information = *Message*) To change the name, create a new task, and then submit the task.	*Cause* - *Action* To change the name, create a new task, and then submit the task.
KAIC18311-E	An inconsistency exists with the selected resources. Close the dialog box, and then try again.	*Cause* - *Action* Close the dialog box, and then try again.
KAIC18312-E	The specified copy group (*copy-group-name*) already exists in the primary instance ID (*instanceid*). Specify a different copy group.	*Cause* - *Action* Specify a different copy group.
KAIC18313-E	The specified copy group (*copygroup*) already exists in the secondary instance ID (*instanceid*). Specify a different copy group.	*Cause* - *Action* Specify a different copy group.
KAIC18314-E	The specified primary instance ID (*instanceid*) already exists on the primary pair management server (*pms*). Specify a different instance ID.	*Cause* - *Action* Specify a different instance ID.
KAIC18315-E	The specified secondary instance ID (*instanceid*) already exists on the secondary pair management server (*pms*). Specify a different instance ID.	*Cause* - *Action* Specify a different instance ID.
KAIC18316-E	The specified pair (*pairname*) already exists in the copy group (*copygroup*). Specify the name of a pair that does not exist in the copy group.	*Cause* - *Action* Specify the name of a pair that does not exist in the copy group.
KAIC18317-E	The selected volumes contain basic volumes. Either HDP or HDT volumes can be used for global-active device pair volumes. Verify	*Cause* Either HDP or HDT volumes can be used for global-active device pair volumes.

Message ID	Message Text	Description
	that the target volumes are correct.	*Action* Verify that the target volumes are correct.
KAIC18318-E	The selected volumes (LDEV IDs: *ldev-ids*) cannot be expanded. The selected volumes are global-active device pair volumes. Select different volumes.	*Cause* The selected volumes are global-active device pair volumes. *Action* Select different volumes.
KAIC18319-E	The selected volumes (LDEV IDs: *ldev-ids*) cannot be expanded. The selected volumes are GAD Reserved Volumes. Select different volumes.	*Cause* The selected volumes are GAD Reserved Volumes. *Action* Select different volumes.
KAIC18320-E	The pools "*pool-id*" cannot be deleted. The selected pools contain GAD Reserved Volumes. Check the volumes, and then try to delete the pools again.	*Cause* The selected pools contain GAD Reserved Volumes. *Action* Check the volumes, and then try to delete the pools again.
KAIC18321-E	You cannot shred the data of GAD Reserved Volumes.	*Cause* - *Action* -
KAIC18322-W	The LUN path of the other volume that makes up the global-active device pair cannot be displayed. The volume is assigned to a storage port for which LUN security is disabled.	*Cause* The volume is assigned to a storage port for which LUN security is disabled. *Action* -
KAIC18323-W	The LUN path of the other volume that makes up the global-active device pair cannot be displayed. You might not have permission to view the host group to which the volume is assigned.	*Cause* You might not have permission to view the host group to which the volume is assigned. *Action* -
KAIC18324-E	The following volumes cannot be specified: *ldev-ids* You cannot delete GAD Reserved Volumes. Specify different volumes.	*Cause* You cannot delete GAD Reserved Volumes. *Action* Specify different volumes.
KAIC18325-W	Unable to find the specified host. The specified host might be deleted. Cancel the operation and verify the resources.	*Cause* The specified host might be deleted.

Message ID	Message Text	Description
		Action Cancel the operation and verify the resources.
KAIC18326-I	The plan has changed. The P-VOL and S-VOL that make up the global-active device pair will be unallocated at the same time.	*Cause* - *Action* -
KAIC18327-E	Unallocation is not possible because the P-VOL or S-VOL that makes up the global-active device pair is allocated to another host. You are attempting to unallocate the path of a volume that is allocated to another host. Verify that the host to which the target volume is allocated is correct.	*Cause* You are attempting to unallocate the path of a volume that is allocated to another host. *Action* Verify that the host to which the target volume is allocated is correct.
KAIC18328-E	The capacity must be larger than the current capacity. Specify a value larger than *capacity*.	*Cause* - *Action* Specify a value larger than *capacity*.
KAIC18329-E	The selected volume (*ldev-ids*) cannot be virtualized. The selected volume is reserved for a global-active device pair. Select a different volume.	*Cause* The selected volume is reserved for a global-active device pair. *Action* Select a different volume.
KAIC18330-E	The specified request cannot be performed on the resource group. The resource pool (*name-of-resource-group*) of the virtual storage machine (*name-of-vsm*) to which the target resource group belongs contains a volume that is in the process of nondisruptive migration using a virtual ID. Wait for the nondisruptive migration to finish, and then try again.	*Cause* The resource pool (*name-of-resource-group*) of the virtual storage machine (*name-of-vsm*) to which the target resource group belongs contains a volume that is in the process of nondisruptive migration using a virtual ID. *Action* Wait for the nondisruptive migration to finish, and then try again.
KAIC18331-E	The specified request cannot be performed on the resource group. The resource group (*name-of-resource-group*) contains a volume that is in the process of nondisruptive migration using a virtual ID. Wait for the nondisruptive migration to finish, and then try again.	*Cause* The resource group (*name-of-resource-group*) contains a volume that is in the process of nondisruptive migration using a virtual ID. *Action*

Message ID	Message Text	Description
		Wait for the nondisruptive migration to finish, and then try again.
KAIC18332-E	The specified request cannot be performed on the resource group. One of the following is being used by another task: - The resource group (*name-of-resource-group*) - Another resource group on the virtual storage machine (*name-of-vsm*) - The virtual storage machine (*name-of-vsm*) End the task, wait for the other task to finish, and then try again.	*Cause* One of the following is being used by another task: • The resource group (*name-of-resource-group*) • Another resource group on the virtual storage machine (*name-of-vsm*) • The virtual storage machine (*name-of-vsm*) *Action* End the task, wait for the other task to finish, and then try again.
KAIC18333-E	The selected DP volume cannot be expanded. A volume used by the NAS Platform storage pool "*fileserver-names-or-cluster-names-which-concat-by-","*" is included in the selected DP volume. (volume ID = *volume-ids-(if-there-are-multiple-ids,-volume-ids-which-concat-by-","*)) Select a different volume.	*Cause* A volume used by the NAS Platform storage pool "*fileserver-names-or-cluster-names-which-concat-by-","*" is included in the selected DP volume. (volume ID = *volume-ids-(if-there-are-multiple-ids,-volume-ids-which-concat-by-","*)) *Action* Select a different volume.
KAIC18334-W	The maximum capacity of the storage pool "*storage-pool-name*", that is using this DP pool, is *storage-pool-capacity*. If you exceed this value and expand the DP pool, the exceeded capacity will not be used by the NAS Platform "*cluster-name-or-host-name*".	*Cause* - *Action* -
KAIC18335-W	The selected volumes (*ldev-ids*) contain global-active device pair volumes. We recommend reclaiming zero pages for both volumes in each global-active device pair.	*Cause* - *Action* We recommend reclaiming zero pages for both volumes in each global-active device pair.
KAIC18336-E	You cannot perform a zero page reclaim. The selected volumes contain the following GAD Reserved Volumes: *ldev-ids* Verify that the target volumes are correct.	*Cause* The selected volumes contain the following GAD Reserved Volumes: *ldev-ids* *Action* Verify that the target volumes are correct.

Message ID	Message Text	Description
KAIC18337-E	The storage pool request failed. During the request, DP pools might have been created, or might have been allocated to NAS Platform. Identify and remove the cause of the error, delete or unallocate the DP volumes, and then try again. (Cause: *error*)	*Cause* - *Action* -
KAIC18338-W	The selected DP pool is being used by another host. If you continue with the selected DP pool, Hitachi Command Suite will not be able to create or expand the storage pool on the NAS Platform.	*Cause* - *Action* -
KAIC18339-W	A NAS Platform server or cluster is included in the allocation destination for the volume. If the selected DP pool will be used in a storage pool and you continue, Hitachi Command Suite will not be able to create or expand the storage pool on the NAS Platform. To use DP pools in NAS Platform, create or expand the pools by using the Create or Expand Storage Pool dialog box in Hitachi Command Suite.	*Cause* - *Action* To use DP pools in NAS Platform, create or expand the pools by using the Create or Expand Storage Pool dialog box in Hitachi Command Suite.
KAIC18340-E	A file system cannot be created for the selected volume (*devnums-which-concat-by-","*). The selected volume makes up a global-active device pair. Select a different volume.	*Cause* The selected volume makes up a global-active device pair. *Action* Select a different volume.
KAIC18341-E	A file system cannot be created for the selected volume (*devnums-which-concat-by-","*). The selected volume is reserved for a global-active device pair. Select a different volume.	*Cause* The selected volume is reserved for a global-active device pair. *Action* Select a different volume.
KAIC18342-E	The operation cannot be executed for the resource group. One of the following is possibly being used by another task: - Another resource group on the virtual storage machine (*name-of-vsm*) - The virtual storage machine (*name-of-vsm*) Wait for the other tasks to finish, and then try again.	*Cause* One of the following is possibly being used by another task: • Another resource group on the virtual storage machine (*name-of-vsm*) • The virtual storage machine (*name-of-vsm*) *Action* Wait for the other tasks to finish, and then try again.

Message ID	Message Text	Description
KAIC18343-E	The storage pool cannot be expanded. The selected storage pool consists of volumes created from multiple DP pools, or consists of both DP pool volumes and basic volumes. Expand the selected storage pool by using NAS Manager.	*Cause* The selected storage pool consists of volumes created from multiple DP pools, or consists of both DP pool volumes and basic volumes. *Action* Expand the selected storage pool by using NAS Manager.
KAIC18344-W	The selected DP pool is not recommended. Storage pool performance might decrease if you select this DP pool. Select a DP pool that consists of parity groups that are not already used by other NAS Platforms or hosts.	*Cause* Storage pool performance might decrease if you select this DP pool. *Action* Select a DP pool that consists of parity groups that are not already used by other NAS Platforms or hosts.
KAIC18345-E	The storage pool cannot be expanded. The DP pool used by the selected storage pool is already used by another cluster or host. Expand the selected storage pool by using NAS Manager.	*Cause* The DP pool used by the selected storage pool is already used by another cluster or host. *Action* Expand the selected storage pool by using NAS Manager.
KAIC18346-E	There is no virtual storage machine usable for allocation of the global-active device pair volumes. Configure a virtual storage machine for allocation of the global-active device pair volumes.	*Cause* - *Action* Configure a virtual storage machine for allocation of the global-active device pair volumes.
KAIC18347-E	This operation cannot be executed for selected volumes. Paths are set between the volumes and the target storage system. Do either of the following: (1) Remove the paths, and then retry the operation. (2) Open the Virtualize Volumes dialog box, search new systems/ volumes by port scan to virtualize volumes	*Cause* Paths are set between the volumes and the target storage system. *Action* Do either of the following: 1. Remove the paths, and then retry the operation. 2. Open the Virtualize Volumes dialog box, search new systems/volumes by port scan to virtualize volumes
KAIC18348-E	The storage pool could not be expanded. The number of system drives that configure the storage pool exceeds the maximum value (*number-of-system-drives-that-*	*Cause* The number of system drives that configure the storage pool exceeds the maximum value (*number-of-system-drives-that-*

Message ID	Message Text	Description
	are-recognizable-by-a-storage-pool).	*are-recognizable-by-a-storage-pool*). *Action* -
KAIC18349-E	The storage pool cannot be created or expanded. The number of system drives exceeds the maximum (*number-of-system-drives-that-are-assigned-at-once*) assignable at one time. First create or expand the storage pool so that its capacity is equal to or less than *the-maximum-capacity-of-the-storage-pool-which-does-system-drives-within-upper-limit.*, and then expand the storage pool again.	*Cause* The number of system drives exceeds the maximum (*number-of-system-drives-that-are-assigned-at-once*) assignable at one time. *Action* First create or expand the storage pool so that its capacity is equal to or less than *the-maximum-capacity-of-the-storage-pool-which-does-system-drives-within-upper-limit.*, and then expand the storage pool again.
KAIC18350-E	The storage pool could not be created or expanded. The number of volumes exceeds the maximum value (*number-of-volumes-that-are-recognizable-by-a-storage-system*) that can be created in this storage system. Delete unnecessary volumes, and then try again.	*Cause* The number of volumes exceeds the maximum value (*number-of-volumes-that-are-recognizable-by-a-storage-system*) that can be created in this storage system. *Action* Delete unnecessary volumes, and then try again.
KAIC18351-E	The storage pool could not be created or expanded. The number of volumes that can be created from a HDP pool being used by a storage pool exceeds the maximum value (*number-of-volumes-that-are-recognizable-by-a-dp-pool*). Delete unnecessary volumes, and then try again.	*Cause* The number of volumes that can be created from a HDP pool being used by a storage pool exceeds the maximum value (*number-of-volumes-that-are-recognizable-by-a-dp-pool*). *Action* Delete unnecessary volumes, and then try again.
KAIC18352-E	The storage pool cannot be created or expanded. The specified capacity exceeds the maximum capacity (*maximum-storage-pool-capacity*) for the DP pool. Verify the free capacity of the DP pool and the maximum reservation percentage, revise if needed, and then try again.	*Cause* The specified capacity exceeds the maximum capacity (*maximum-storage-pool-capacity*) for the DP pool. *Action* Verify the free capacity of the DP pool and the maximum reservation percentage, revise if needed, and then try again.
KAIC18353-E	The storage pool could not be created or expanded. The specified	*Cause*

Message ID	Message Text	Description
	capacity is less than the minimum capacity (*minimum-available-storage-pool-capacity*) for a volume that can be used as a system drive. Revise the specified capacity, and then try again.	The specified capacity is less than the minimum capacity (*minimum-available-storage-pool-capacity*) for a volume that can be used as a system drive. *Action* Revise the specified capacity, and then try again.
KAIC18354-E	The operation cannot be executed for the profile. The selected profile contains one or more GAD Reserved Volumes (*ldev-ids*). Make sure that the GAD Reserved status of each volume (*ldev-ids*) is released, and then try the operation again.	*Cause* The selected profile contains one or more GAD Reserved Volumes (*ldev-ids*). *Action* Make sure that the GAD Reserved status of each volume (*ldev-ids*) is released, and then try the operation again.
KAIC18355-E	The global-active device pair volume cannot be allocated. A volume that cannot be used as a P-VOL is included. Select a different volume.	*Cause* A volume that cannot be used as a P-VOL is included. *Action* Select a different volume.
KAIC18356-E	The resource group cannot be created. The number of resource groups that can be registered in the selected virtual storage machine (*max*) is exceeded. Remove any unnecessary resource groups, and then try again.	*Cause* The number of resource groups that can be registered in the selected virtual storage machine (*max*) is exceeded. *Action* Remove any unnecessary resource groups, and then try again.
KAIC18357-E	You cannot edit the tiering policy. The target volumes contain the following GAD Reserved Volumes: *ldev-ids* Verify that the target volumes are correct.	*Cause* The target volumes contain the following GAD Reserved Volumes: *ldev-ids* *Action* Verify that the target volumes are correct.
KAIC18358-W	Volumes for which LUN paths are set contain global-active device pair volumes (*devnums-which-concat-by-","*). Check the LUN paths of the other global-active device pair volumes, and then, if necessary, edit the LUN paths.	*Cause* - *Action* Check the LUN paths of the other global-active device pair volumes, and then, if necessary, edit the LUN paths.
KAIC18359-W	The selected DP pool is not recommended. The selected DP	*Cause* The selected DP pool has parity groups that have mixed

Message ID	Message Text	Description
	pool has parity groups that have mixed attributes: such as locations (internal/external), drive types, drive speeds, chip types, or RAID levels. To maximize storage pool performance and reliability, select a DP pool that has parity groups with the same attributes.	attributes: such as locations (internal/external), drive types, drive speeds, chip types, or RAID levels. *Action* To maximize storage pool performance and reliability, select a DP pool that has parity groups with the same attributes.
KAIC18360-I	The other volume, which makes up the global-active device pair with the selected volume, cannot be unallocated at the same time. The other volume is not allocated to the selected host.	*Cause* The other volume is not allocated to the selected host. *Action* -
KAIC18361-W	The selected volumes (*ldev-ids*) contain global-active device pair volumes. We recommend specifying the same volume relocation settings for the other volumes that make up global-active device pairs.	*Cause* - *Action* We recommend specifying the same volume relocation settings for the other volumes that make up global-active device pairs.
KAIC18362-E	You cannot specify volume relocation settings. The selected volumes contain the following GAD Reserved Volumes: *ldev-ids* Verify that the target volumes are correct.	*Cause* The selected volumes contain the following GAD Reserved Volumes: *ldev-ids* *Action* Verify that the target volumes are correct.
KAIC18363-E	The selected global-active device pair volume cannot be unallocated. Add a pair management server.	*Cause* - *Action* Add a pair management server.
KAIC18364-E	The number of volumes allocated to the selected host is greater than 500. No more than 500 volumes can be changed to global-active device volumes at a time. In the volume selection window, select the volumes to be changed to global-active device volumes, and then open the Change to global-active device Volumes dialog box.	*Cause* No more than 500 volumes can be changed to global-active device volumes at a time. *Action* In the volume selection window, select the volumes to be changed to global-active device volumes, and then open the Change to global-active device Volumes dialog box.
KAIC18365-E	The number of volumes in the selected logical group is greater than 500. No more than 500	*Cause* No more than 500 volumes can be changed to global-active device volumes at a time.

Message ID	Message Text	Description
	volumes can be changed to global-active device volumes at a time. In the volume selection window, select the volumes to be changed to global-active device volumes, and then open the Change to global-active device Volumes dialog box.	*Action* In the volume selection window, select the volumes to be changed to global-active device volumes, and then open the Change to global-active device Volumes dialog box.
KAIC18366-E	There are no volumes that can be changed to global-active device pair volumes.	*Cause* - *Action* -
KAIC18367-E	No host is allocated to the volume (*ldev-id*). Check the status of the volume.	*Cause* - *Action* Check the status of the volume.
KAIC18368-E	Some of the volumes you selected are allocated to storage ports for which LUN security is enabled, and others are allocated to storage ports for which LUN security is disabled. Volumes for which LUN security settings are different cannot be changed to global-active device pair volumes at the same time. Select only volumes allocated to storage ports whose LUN security settings are the same, and then open the Change to global-active device Volumes dialog box.	*Cause* Volumes for which LUN security settings are different cannot be changed to global-active device pair volumes at the same time. *Action* Select only volumes allocated to storage ports whose LUN security settings are the same, and then open the Change to global-active device Volumes dialog box.
KAIC18369-E	Volumes belonging to different host groups exist in the same Virtual Storage Machine. Volumes belonging to different host groups cannot be changed to global-active device pair volumes at the same time. In the volume selection window, select only volumes that belong to the same host group, and then open the Change to global-active device Volumes dialog box.	*Cause* Volumes belonging to different host groups cannot be changed to global-active device pair volumes at the same time. *Action* In the volume selection window, select only volumes that belong to the same host group, and then open the Change to global-active device Volumes dialog box.
KAIC18371-E	The selected volumes cannot be changed to global-active device pair volumes. The selected volumes are allocated to a file server. Select different volumes.	*Cause* The selected volumes are allocated to a file server. *Action* Select different volumes.
KAIC18372-E	You have selected a volume (*ldev-id*) that is allocated to both a	*Cause*

Message ID	Message Text	Description
	storage port for which LUN security is enabled and a storage port for which LUN security is disabled. A volume that is allocated to storage ports for which LUN security settings are different cannot be changed to a global-active device pair volume.	A volume that is allocated to storage ports for which LUN security settings are different cannot be changed to a global-active device pair volume. *Action* -
KAIC18373-E	The specified global-active device pair was not found. The specified global-active device pair might have been deleted. After the operation finishes, check if the target global-active device pair exists.	*Cause* The specified global-active device pair might have been deleted. *Action* After the operation finishes, check if the target global-active device pair exists.
KAIC18374-W	The storage systems that belong to resources that are targets for analysis might not be monitored by Tuning Manager. Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage systems, and then refresh the storage systems. (Storage system names: *storage-system-names*)
KAIC18375-E	The number of volumes that are targets for analysis exceeds the maximum number (*max.-number-of-volumes*). The total number of volumes exceeds the maximum because *added-number-of-volumes* volumes were added. These added volumes were the other volumes in the global-active device pairs of selected volumes, and were necessary for analysis. If you want to analyze global-active device pair volumes, register both the P-VOL and S-VOL into the same logical group, or select both the P-VOL and S-VOL at the same time. Then restart the "Identify Performance Problems" operation.	*Cause* The total number of volumes exceeds the maximum because *added-number-of-volumes* volumes were added. These added volumes were the other volumes in the global-active device pairs of selected volumes, and were necessary for analysis. *Action* If you want to analyze global-active device pair volumes, register both the P-VOL and S-VOL into the same logical group, or select both the P-VOL and S-VOL at the same time. Then restart the "Identify Performance Problems" operation.
KAIC18376-E	The selected task cannot be restarted. The resources to be added have been removed from the resource pool (*resource-pool-name*) or might have been registered in a different resource group. Cancel the operation, and then verify the resource.	*Cause* The resources to be added have been removed from the resource pool (*resource-pool-name*) or might have been registered in a different resource group. *Action* Cancel the operation, and then verify the resource.

Message ID	Message Text	Description
KAIC18377-E	The selected volume cannot be allocated. The selected volumes are GAD Reserved volumes. Select different volumes.	*Cause* The selected volumes are GAD Reserved volumes. *Action* Select different volumes.
KAIC18378-E	Execution of the task failed. After the task was registered, the pair management server managing the target global-active device pair volume might have been deleted from the management targets or changed. After verifying that the pair management server is registered correctly, refresh the primary and secondary storage systems. If necessary, register a new task, and then try again.	*Cause* After the task was registered, the pair management server managing the target global-active device pair volume might have been deleted from the management targets or changed. *Action* After verifying that the pair management server is registered correctly, refresh the primary and secondary storage systems. If necessary, register a new task, and then try again.
KAIC18379-E	Execution of the task failed. An unexpected response was received from the storage system. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* An unexpected response was received from the storage system. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC18380-E	Details of the specified resource group cannot be displayed. The resource group is one of the following, for which details cannot be displayed: All Resources, the default resource group of a storage system, a resource group used for internal processing, a resource pool, or the default resource pool of a virtual storage machine.	*Cause* The resource group is one of the following, for which details cannot be displayed: All Resources, the default resource group of a storage system, a resource group used for internal processing, a resource pool, or the default resource pool of a virtual storage machine. *Action* -
KAIC18381-E	The selected user groups cannot be deleted (user groups = *user-group-names*). A resource group of a product other than Device Manager is assigned to the user groups.	*Cause* A resource group of a product other than Device Manager is assigned to the user groups. *Action* -

Message ID	Message Text	Description
KAIC18382-E	This storage system cannot be selected as the source storage system. The selected storage system is being migrated by another migration project. (virtual model: *virtual-model*, virtual serial number: *virtual-serial-number*) After the data migration project finishes, try again.	*Cause* The selected storage system is being migrated by another migration project. (virtual model: *virtual-model*, virtual serial number: *virtual-serial-number*) *Action* After the data migration project finishes, try again.
KAIC18383-E	There is no virtual storage machine in the target storage system. Check the target storage system status, and then try again.	*Cause* - *Action* Check the target storage system status, and then try again.
KAIC18384-W	The selected migration project has a migration job for which the status is Waiting for Action or Failed. Check the status of each migration job. Determine which migration step is incomplete for the volumes in question and follow the appropriate recovery procedure. Then you can delete the migration project.	*Cause* - *Action* Check the status of each migration job. Determine which migration step is incomplete for the volumes in question and follow the appropriate recovery procedure. Then you can delete the migration project.
KAIC18385-E	The migration project was not found. The migration project might have been deleted. Cancel the operation, and then check the migration project.	*Cause* The migration project might have been deleted. *Action* Cancel the operation, and then check the migration project.
KAIC18386-E	The migration job was not found. The migration job might have been deleted. Cancel the operation, and then check the migration job.	*Cause* The migration job might have been deleted. *Action* Cancel the operation, and then check the migration job.
KAIC18387-E	The specified source volume was not found. The specified source volume might have been deleted. Cancel the operation, and then check the source volume.	*Cause* The specified source volume might have been deleted. *Action* Cancel the operation, and then check the source volume.
KAIC18388-E	The specified target volume was not found. The specified target volume might have been deleted.	*Cause* The specified target volume might have been deleted. *Action*

Message ID	Message Text	Description
	Cancel the operation, and then check the target volume.	Cancel the operation, and then check the target volume.
KAIC18389-W	The list contains one or more volumes for which this step cannot be performed. The step will be performed but will exclude these volumes. (all volumes = *count-of-volumes-from-job*, excluded volumes = *disabled-volumes-count*)	*Cause* - *Action* -
KAIC18390-E	This step cannot be performed for any of the volumes of the selected migration job. Cancel the operation, and then check the volume status.	*Cause* - *Action* Cancel the operation, and then check the volume status.
KAIC18391-E	This step cannot be performed for one or more of the volumes. Cancel the operation, and then check the volume status.	*Cause* - *Action* Cancel the operation, and then check the volume status.
KAIC18392-E	One or more of the source volumes cannot be unallocated. Cancel the operation, and then check the volume status.	*Cause* - *Action* Cancel the operation, and then check the volume status.
KAIC18393-E	One or more of the source volumes cannot be unallocated. The WWNs registered in the source host group include a WWN that is not registered in the target host group. If the source volume is unallocated, the volume might become unusable from the host. Cancel the operation, and then check the host group information of both the target and source volumes.	*Cause* The WWNs registered in the source host group include a WWN that is not registered in the target host group. If the source volume is unallocated, the volume might become unusable from the host. *Action* Cancel the operation, and then check the host group information of both the target and source volumes.
KAIC18394-E	The selected volumes include source volumes that cannot be unallocated. A source volume is allocated to a port that has LUN security disabled. The target volume for that source volume must be allocated to a port that has LUN security enabled, and must belong to a host group for which a WWN is set. Cancel the operation, and check the LUN paths of the source and target.	*Cause* A source volume is allocated to a port that has LUN security disabled. The target volume for that source volume must be allocated to a port that has LUN security enabled, and must belong to a host group for which a WWN is set. *Action*

Message ID	Message Text	Description
	Change the settings of the target LUN paths if necessary.	Cancel the operation, and check the LUN paths of the source and target. Change the settings of the target LUN paths if necessary.
KAIC18395-E	The selected migration jobs cannot be canceled. The volume statuses include "In progress" or "Waiting". Cancel the operation, and then check the volume status.	*Cause* The volume statuses include "In progress" or "Waiting". *Action* Cancel the operation, and then check the volume status.
KAIC18396-W	For a volume excluded from the migration, restore the volume status according to the progress of the migration job, and then restart the migration job, or perform the migration again.	*Cause* - *Action* -
KAIC18397-I	You checked the message indicating the cause of the failed task, and performed the necessary recovery procedure.	*Cause* - *Action* -
KAIC18398-E	The status of the selected volume cannot be changed. A volume in a status other than "Failed" is included in the selected volumes. Check the status of the volumes.	*Cause* A volume in a status other than "Failed" is included in the selected volumes. *Action* Check the status of the volumes.
KAIC18399-E	The status of the selected volume cannot be changed. The volumes are mixed with a volume whose status was "Failed" in a different step. Select volumes that belong to the same step, or execute the task for each volume.	*Cause* The volumes are mixed with a volume whose status was "Failed" in a different step. *Action* Select volumes that belong to the same step, or execute the task for each volume.
KAIC18400-E	A migration job with the specified name already exists. (name = *migration-job-name*) Specify a different migration job name.	*Cause* - *Action* Specify a different migration job name.
KAIC18401-E	The selected volume cannot be deleted from the migration job. In progress or scheduled volumes exist. Cancel the operation, and then check the volume status.	*Cause* In progress or scheduled volumes exist. *Action* Cancel the operation, and then check the volume status.

Message ID	Message Text	Description
KAIC18402-E	The operation cannot be executed because another operation has reserved the migration job (*migration-job-name*). Cancel the operation and wait until other tasks finish or are canceled, and then try again.	*Cause* - *Action* Cancel the operation and wait until other tasks finish or are canceled, and then try again.
KAIC18403-E	The operation cannot be executed because another operation has reserved the migration project. Cancel the operation and wait until other tasks finish or are canceled, and then try again.	*Cause* - *Action* Cancel the operation and wait until other tasks finish or are canceled, and then try again.
KAIC18404-E	The selected migration project cannot be deleted because task (*task-name*) is associated with it. Wait for any registered tasks to finish or cancel the tasks, and then try again.	*Cause* - *Action* Wait for any registered tasks to finish or cancel the tasks, and then try again.
KAIC18405-E	The selected migration job (*migration-job-name*) cannot be deleted because task (*task-name*) is associated with it. Wait for any registered tasks to finish or cancel the tasks, and then try again.	*Cause* - *Action* Wait for any registered tasks to finish or cancel the tasks, and then try again.
KAIC18406-E	The specified source storage system was not found. The specified source storage system might have been deleted. Cancel the operation and check the status of the source storage system.	*Cause* The specified source storage system might have been deleted. *Action* Cancel the operation and check the status of the source storage system.
KAIC18407-E	The specified target storage system was not found. The specified target storage system might have been deleted. Cancel the operation and check the status of the target storage system.	*Cause* The specified target storage system might have been deleted. *Action* Cancel the operation and check the status of the target storage system.
KAIC18408-I	The mapped source storage ports were not found. The mapped source storage ports might have been deleted. The mapping settings for the target port will be deleted.	*Cause* The mapped source storage ports might have been deleted. *Action* The mapping settings for the target port will be deleted.

Message ID	Message Text	Description
KAIC18409-W	The target storage port mapped to the source storage port (*source-storage-port*) was not found. The mapped target storage port might have been deleted. The mapping settings for the target source storage port will be deleted. If the mapping is required, set it up again.	*Cause* The mapped target storage port might have been deleted. *Action* The mapping settings for the target source storage port will be deleted. If the mapping is required, set it up again.
KAIC18410-I	The mapped source resource groups were not found. The resource groups of the source storage system might have been deleted. The settings mapping to the target resource group in the source storage system will be deleted.	*Cause* The resource groups of the source storage system might have been deleted. *Action* The settings mapping to the target resource group in the source storage system will be deleted.
KAIC18411-W	The target resource group mapped to the source resource group (*source-resource-group*) was not found. The mapped target resource groups might have been deleted. The settings mapping to the target resource group in the source storage system will be deleted. If the mapping is required, set it up again.	*Cause* The mapped target resource groups might have been deleted. *Action* The settings mapping to the target resource group in the source storage system will be deleted. If the mapping is required, set it up again.
KAIC18412-E	The selected storage system cannot be migrated. The virtual storage machine to which the model and serial number of the selected source storage system were assigned exists in storage system *the-storage-name-where-vsm-exists.*, which is different from the selected target storage system. Migration to a virtual storage machine across multiple storage systems is not supported. Verify that the combination of the target storage system and the source storage system is correct.	*Cause* The virtual storage machine to which the model and serial number of the selected source storage system were assigned exists in storage system *the-storage-name-where-vsm-exists.*, which is different from the selected target storage system. Migration to a virtual storage machine across multiple storage systems is not supported. *Action* Verify that the combination of the target storage system and the source storage system is correct.
KAIC18413-E	There is a port that cannot be virtualized because of a LUN path among the source storage ports to be used for external paths between the source storage system and the target virtual storage machine (*vsm-name*). Select another source storage port.	*Cause* - *Action* Select another source storage port.

Message ID	Message Text	Description
KAIC18414-E	There is a port that cannot be unvirtualized because of a LUN path among the source storage ports to be used for external paths between the source storage system and the target virtual storage machine (*vsm-name*). Select another source storage port.	*Cause* - *Action* Select another source storage port.
KAIC18415-E	There is a port that cannot be virtualized among the source storage ports to be used for external paths between the source storage system and the target virtual storage machine (*vsm-name*). The port has been assigned a virtual ID that is different from the selected virtual storage machine. Multiple virtual IDs cannot be assigned to one port. Select another source storage port.	*Cause* The port has been assigned a virtual ID that is different from the selected virtual storage machine. Multiple virtual IDs cannot be assigned to one port. *Action* Select another source storage port.
KAIC18416-E	Not enough host group numbers are usable for source storage ports (*port-name*). Revise the resource group where the host group is to be created, or add unassigned host group numbers to the selected resource group.	*Cause* - *Action* Revise the resource group where the host group is to be created, or add unassigned host group numbers to the selected resource group.
KAIC18417-E	There are no available source storage systems. There are no source storage systems, or the project of the source storage system has been already created.	*Cause* There are no source storage systems, or the project of the source storage system has been already created. *Action* -
KAIC18418-E	The selected *vsm-name* cannot be deleted because it is registered in a migration project. Verify the migration project.	*Cause* - *Action* Verify the migration project.
KAIC18419-E	The selected storage system cannot be deleted because it is registered in a migration project. Verify the migration project.	*Cause* - *Action* Verify the migration project.
KAIC18420-W	The mapped source storage ports were not found. The mapped source storage ports might have been deleted. The settings	*Cause* The mapped source storage ports might have been deleted.

Message ID	Message Text	Description
	mapping to the source storage port will be deleted. Check the external path settings.	*Action* The settings mapping to the source storage port will be deleted. Check the external path settings.
KAIC18421-W	The mapped target storage ports were not found. The mapped target storage ports might have been deleted. The settings mapping to the target storage port were not found. Check the external path settings.	*Cause* The mapped target storage ports might have been deleted. *Action* The settings mapping to the target storage port were not found. Check the external path settings.
KAIC18422-E	Multiple migration projects cannot be deleted at the same time. Specify only one migration project to be deleted, and then try again.	*Cause* - *Action* Specify only one migration project to be deleted, and then try again.
KAIC18423-E	The number of resource groups in the target storage system exceeds the upper limit (*maximum-number-of-resource-groups*). Remove the unnecessary resource groups.	*Cause* - *Action* Remove the unnecessary resource groups.
KAIC18424-E	The virtual storage machine cannot be created. Another task has reserved the selected virtual model (*virtual-model*) and virtual serial number (*virtual-serial-no.*). Verify the virtual storage machines on the target storage system.	*Cause* Another task has reserved the selected virtual model (*virtual-model*) and virtual serial number (*virtual-serial-no.*). *Action* Verify the virtual storage machines on the target storage system.
KAIC18425-E	The resource group cannot be created. The specified name (*resource-group-name*) is reserved by another task. Specify another resource group name.	*Cause* The specified name (*resource-group-name*) is reserved by another task. *Action* Specify another resource group name.
KAIC18426-E	The resource group cannot be created. The specified name (*resource-group-name*) is being used by an existing resource group. Specify another resource group name.	*Cause* The specified name (*resource-group-name*) is being used by an existing resource group. *Action* Specify another resource group name.

Message ID	Message Text	Description
KAIC18427-E	The migration job status of the volume cannot be changed. This operation is not possible with the current volume status. Cancel the operation and verify the volume status.	*Cause* This operation is not possible with the current volume status. *Action* Cancel the operation and verify the volume status.
KAIC18428-E	The migration job status of at least one volume cannot be changed. Cancel the operation and verify the volume status.	*Cause* - *Action* Cancel the operation and verify the volume status.
KAIC18430-E	The task cannot be performed. Check the [Message] column in the [Task Status Detail] table, and then follow the instructions in the message. After that, check the troubleshooting information for Nondisruptive Migration User Guide, and then perform the required operations.	*Cause* - *Action* Check the [**Message**] column in the [**Task Status Detail**] table, and then follow the instructions in the message. After that, check the troubleshooting information for Nondisruptive Migration User Guide, and then perform the required operations.
KAIC18431-E	This task cannot be restarted. A migration project already exists in the specified storage system. Delete the migration project, and then restart the task.	*Cause* A migration project already exists in the specified storage system. *Action* Delete the migration project, and then restart the task.
KAIC18432-E	One or more of the resource groups could not be created. Check the message in the task details.	*Cause* - *Action* Check the message in the task details.
KAIC18433-E	The selected source storage port (*storage-port-name*) has a host group (*host-group-name*) that includes an external or a bidirectional port of the target storage system. Because the host mode of the host group is not 0C (Windows), data migration might have failed. Change the host mode of the host group to 0C (Windows), and then try again.	*Cause* - *Action* Change the host mode of the host group to 0C (Windows), and then try again.
KAIC18434-E	A virtualized volume cannot be allocated. A port (*storage-port-name*) in the source storage system is not mapped to a port in	*Cause* A port (*storage-port-name*) in the source storage system is not

Message ID	Message Text	Description
	the target storage system. Set up port mappings, and then try again.	mapped to a port in the target storage system. *Action* Set up port mappings, and then try again.
KAIC18435-E	A virtualized volume cannot be allocated. A resource group (*resource-group-name*) in the source storage system is not mapped to a resource group in the target storage system. Set up resource group mappings, and then try again.	*Cause* A resource group (*resource-group-name*) in the source storage system is not mapped to a resource group in the target storage system. *Action* Set up resource group mappings, and then try again.
KAIC18436-I	Multiple source ports will be aggregated into one target port. Only the smallest LUN number will be displayed from among the LUNs allocated to the host groups of each source port.	*Cause* - *Action* -
KAIC18437-W	One or more source volume LUNs are in use by the host group of the target storage port. If you continue this operation, different LUNs will be assigned to these volumes. We recommend revising the mappings of ports in the source and target storage systems and using the same LUNs in the source and target storage systems.	*Cause* - *Action* We recommend revising the mappings of ports in the source and target storage systems and using the same LUNs in the source and target storage systems.
KAIC18438-E	Volumes cannot be allocated because there are not enough LUNs remaining for host group (*host-group-name*) of the source port (*storage-port-name*). Set up port mappings, and then try again.	*Cause* - *Action* Set up port mappings, and then try again.
KAIC18439-E	The specified source volume was not found. The specified volume might have been deleted from the migration job. Cancel the operation and verify the volumes.	*Cause* The specified volume might have been deleted from the migration job. *Action* Cancel the operation and verify the volumes.
KAIC18440-E	The resource group in the target storage system, which is mapped to the resource group (*resource-group-name*) in the source storage system, was not found. The resource group in the target storage system might have been	*Cause* The resource group in the target storage system might have been deleted. *Action*

Message ID	Message Text	Description
	deleted. Verify the resource group mapping settings.	Verify the resource group mapping settings.
KAIC18441-E	No usable LDEV IDs remain for the resource group (*resource-group-name*) in the target storage system. In the Edit Virtual Storage Machine dialog box, add unassigned LDEV IDs to virtual storage machine. In addition, if the resource group is not a resource pool, add LDEV IDs to the resource group.	*Cause* - *Action* In the Edit Virtual Storage Machine dialog box, add unassigned LDEV IDs to virtual storage machine. In addition, if the resource group is not a resource pool, add LDEV IDs to the resource group.
KAIC18442-E	No usable host group IDs remain for the resource group (*resource-group-name*) in the target storage system. Select another resource group. Alternatively, in the Edit Virtual Storage Machine dialog box, add unused host group IDs of port (*port-name*) to virtual storage machine.	*Cause* - *Action* Select another resource group. Alternatively, in the Edit Virtual Storage Machine dialog box, add unused host group IDs of port (*port-name*) to virtual storage machine.
KAIC18443-E	No usable host group IDs remain in the resource group (*resource-group-name*) in the target storage system. Add unused host group IDs of the target port (*port-name*) to the resource group by the following procedure: (1) In the Edit Virtual Storage Machine dialog box, add host group IDs to "*vsm-name*". (2) In the Edit Resource Group dialog box, add the host group IDs which were added in (1) to this resource group.	*Cause* - *Action* Add unused host group IDs of the target port (*port-name*) to the resource group by the following procedure: • (1) In the Edit Virtual Storage Machine dialog box, add host group IDs to "*vsm-name*". • (2) In the Edit Resource Group dialog box, add the host group IDs which were added in (1) to this resource group.
KAIC18444-E	No external path is set. In the Edit External Path Setting dialog box, set external paths for the virtual storage machine "*vsm-name*", and then try again.	*Cause* - *Action* In the Edit External Path Setting dialog box, set external paths for the virtual storage machine "*vsm-name*", and then try again.
KAIC18445-E	There is no port in the source storage system available for an external connection. The ports might have been deleted. In the Edit External Path Setting dialog box, set external paths for the	*Cause* The ports might have been deleted. *Action*

Message ID	Message Text	Description
	virtual storage machine "*vsm-name*", and then try again.	In the Edit External Path Setting dialog box, set external paths for the virtual storage machine "*vsm-name*", and then try again.
KAIC18446-E	There is no port in the target storage system available for an external connection. The ports might have been deleted. In the Edit External Path Setting dialog box, set external paths for the Virtual Storage Machine "*vsm-name*", and then try again.	*Cause* The ports might have been deleted. *Action* In the Edit External Path Setting dialog box, set external paths for the Virtual Storage Machine "*vsm-name*", and then try again.
KAIC18447-E	There is no host group of the port (*port-name*) in the source storage system available for an external connection. The host group might have been deleted. In the Edit External Path Setting dialog box, set external paths for the Virtual Storage Machine "*vsm-name*", and then try again.	*Cause* The host group might have been deleted. *Action* In the Edit External Path Setting dialog box, set external paths for the Virtual Storage Machine "*vsm-name*", and then try again.
KAIC18448-E	In the target storage system, there is no virtual storage machine (virtual model = *model*, virtual serial number = *serial-number*) available for migration. The virtual storage machine might have been deleted. Create virtual storage machine on the target storage system, and then try again.	*Cause* The virtual storage machine might have been deleted. *Action* Create virtual storage machine on the target storage system, and then try again.
KAIC18449-E	A source volume (*source-volume*) cannot be virtualized. A source volume LDEV ID is already assigned as a virtual ID to a volume (*volumes-in-the-target-storage-system*) in the target storage system. Remove the virtual LDEV IDs from the volumes in the target storage system, and then try again.	*Cause* A source volume LDEV ID is already assigned as a virtual ID to a volume (*volumes-in-the-target-storage-system*) in the target storage system. *Action* Remove the virtual LDEV IDs from the volumes in the target storage system, and then try again.
KAIC18450-E	A source volume (*source-volume*) cannot be virtualized. A source volume virtual ID is already assigned as a virtual ID to a volume (*volumes-in-the-target-storage-system*) in the target storage system. Remove the virtual ID from the volume in the target storage system, and then try again.	*Cause* A source volume virtual ID is already assigned as a virtual ID to a volume (*volumes-in-the-target-storage-system*) in the target storage system. *Action* Remove the virtual ID from the volume in the target storage system, and then try again.

Message ID	Message Text	Description
KAIC18451-E	A source volume (*source-volume*) cannot be virtualized. The source volume is already virtualized in the target storage system. Unvirtualize the volume for the source volume, and then try again.	*Cause* The source volume is already virtualized in the target storage system. *Action* Unvirtualize the volume for the source volume, and then try again.
KAIC18452-E	A virtualized volume cannot be allocated. Ports (*source-port-a* and *source-port-b*) on the source storage system are mapped to the same port on the target storage system. The host groups (*host-group-of-source-port-a* and *host-group-of-source-port-b*) of the source ports have different host modes (*host-mode-of-the-host-group-of-source-port-a* and *host-mode-of-the-host-group-of-source-port-b*) for the same WWN. Therefore, the host groups cannot be merged. Set the same host mode for the host groups of the source storage system, or map a different port on the target storage system, and then try again.	*Cause* Ports (*source-port-a* and *source-port-b*) on the source storage system are mapped to the same port on the target storage system. The host groups (*host-group-of-source-port-a* and *host-group-of-source-port-b*) of the source ports have different host modes (*host-mode-of-the-host-group-of-source-port-a* and *host-mode-of-the-host-group-of-source-port-b*) for the same WWN. Therefore, the host groups cannot be merged. *Action* Set the same host mode for the host groups of the source storage system, or map a different port on the target storage system, and then try again.
KAIC18453-E	A virtualized volume cannot be allocated. Ports (*source-port-a* and *source-port-b*) on the source storage system are mapped to the same port on the target storage system. The host groups (*host-group-of-source-port-a* and *host-group-of-source-port-b*) of the source ports have different host mode options (*host-mode-options-of-the-host-group-of-source-port-a* and *host-mode-options-of-the-host-group-of-source-port-b*) for the same WWN. Therefore, the host groups cannot be merged. Set the same host mode options for the host groups of the source storage system, or map a different port on the target storage system, and then try again.	*Cause* Ports (*source-port-a* and *source-port-b*) on the source storage system are mapped to the same port on the target storage system. The host groups (*host-group-of-source-port-a* and *host-group-of-source-port-b*) of the source ports have different host mode options (*host-mode-options-of-the-host-group-of-source-port-a* and *host-mode-options-of-the-host-group-of-source-port-b*) for the same WWN. Therefore, the host groups cannot be merged. *Action* Set the same host mode options for the host groups of the source storage system, or map a different port on the target storage system, and then try again.
KAIC18454-E	A virtualized volume cannot be allocated. The range of access set by LUN security might become	*Cause* The range of access set by LUN security might become spread out

Message ID	Message Text	Description
	spread out because the WWNs within the host groups are inconsistent between the source and target. In "LUN Security Consistency" on the "Host Groups" tab, check the problem host group. Revise the host group WWN settings, or change the port mappings, and then try again.	because the WWNs within the host groups are inconsistent between the source and target. *Action* In "LUN Security Consistency" on the "Host Groups" tab, check the problem host group. Revise the host group WWN settings, or change the port mappings, and then try again.
KAIC18455-E	A virtualized volume cannot be allocated. The host modes or host mode options set for host groups sharing a WWN are inconsistent between the source and the target. In "Host Group Setting Consistency" on the "Host Groups" tab, check the problem host group. Revise the host mode or host mode option settings, or change the port mappings, and then try again.	*Cause* The host modes or host mode options set for host groups sharing a WWN are inconsistent between the source and the target. *Action* In "Host Group Setting Consistency" on the "Host Groups" tab, check the problem host group. Revise the host mode or host mode option settings, or change the port mappings, and then try again.
KAIC18456-E	A virtualized volume cannot be allocated. The number of host groups creatable in the target port (*port-name*) exceeds the upper limit (*upper-limit-of-host-groups*). (number of current host groups = *number-of-created-host-groups*, number of host groups to be created = *number-of-host-group-to-be-created*) Delete unnecessary host groups of the target port, or change the port mapping, and then try again.	*Cause* The number of host groups creatable in the target port (*port-name*) exceeds the upper limit (*upper-limit-of-host-groups*). (number of current host groups = *number-of-created-host-groups*, number of host groups to be created = *number-of-host-group-to-be-created*) *Action* Delete unnecessary host groups of the target port, or change the port mapping, and then try again.
KAIC18457-E	A virtualized volume cannot be allocated. The number of WWNs registerable in the target port (*port-name*) exceeds the upper limit (*upper-limit-of-wwns*). (number of current WWNs = *number-of-added-wwns*, number of WWNs to be added = *number-of-wwns-to-be-added*) Delete unnecessary host groups of the target port, or change the port mapping, and then try again.	*Cause* The number of WWNs registerable in the target port (*port-name*) exceeds the upper limit (*upper-limit-of-wwns*). (number of current WWNs = *number-of-added-wwns*, number of WWNs to be added = *number-of-wwns-to-be-added*) *Action* Delete unnecessary host groups of the target port, or change the port mapping, and then try again.

Message ID	Message Text	Description
KAIC18458-E	A virtualized volume cannot be allocated. The number of LUNs registerable in the target port (*port-name*) exceeds the upper limit (*upper-limit-of-luns*). (number of current LUNs = *number-of-added-luns*, number of LUNs to be added = *number-of-luns-to-be-added*) Delete unnecessary host groups of the target port, or change the port mapping, and then try again.	*Cause* The number of LUNs registerable in the target port (*port-name*) exceeds the upper limit (*upper-limit-of-luns*). (number of current LUNs = *number-of-added-luns*, number of LUNs to be added = *number-of-luns-to-be-added*) *Action* Delete unnecessary host groups of the target port, or change the port mapping, and then try again.
KAIC18459-E	Enter *min-length-max-length* characters for the name of the host group (*host-group-name*) in the target port (*port-name*).	*Cause* - *Action* -
KAIC18460-E	Host groups with the same host group name (*host-group-name*) cannot be created in the target port (*port-name*). Specify a different host group name.	*Cause* - *Action* Specify a different host group name.
KAIC18461-E	Another task has already reserved the name (*host-group-name*) of the host group to be created in the target port (*port-name*). Specify a different host group name.	*Cause* - *Action* Specify a different host group name.
KAIC18462-E	The name (*host-group-name*) of the host group to be created in the target port (*port-name*) is already used. Specify a different host group name.	*Cause* - *Action* Specify a different host group name.
KAIC18463-E	No usable host group IDs are available for the target port "*port-name*". In the Edit Virtual Storage Machine dialog box, add unassigned host group IDs of the port to the virtual storage machine. Then, if necessary, add host group IDs to the resource group related to virtual storage machine.	*Cause* - *Action* In the Edit Virtual Storage Machine dialog box, add unassigned host group IDs of the port to the virtual storage machine. Then, if necessary, add host group IDs to the resource group related to virtual storage machine.
KAIC18464-E	No LUNs are available in the host group (*host-group-name*) of the source port (*port-name*) for	*Cause* - *Action*

Message ID	Message Text	Description
	virtualizing volumes. Unvirtualize volumes for which migration is complete, and then try again.	Unvirtualize volumes for which migration is complete, and then try again.
KAIC18465-E	No external parity group number is available. Change the start number of the parity group, or unvirtualize volumes for which migration is complete, and then try again.	*Cause* - *Action* Change the start number of the parity group, or unvirtualize volumes for which migration is complete, and then try again.
KAIC18466-E	Not all of the volumes could be deleted from the migration job. If you want to delete all the volumes, cancel the migration job.	*Cause* - *Action* If you want to delete all the volumes, cancel the migration job.
KAIC18467-E	Another task is using the selected parity group (*parity-group-name*). Select another parity group, or cancel the operation and wait until the other task finishes or is canceled.	*Cause* - *Action* Select another parity group, or cancel the operation and wait until the other task finishes or is canceled.
KAIC18468-E	Unable to collect information from Tuning Manager. (host name = *host-name*, agent name = *agent-name*, record name = *record-name*, cause = *cause*)	*Cause* - *Action* -
KAIC18469-E	Performance data required for analysis could not be collected. (host name = *host-name*, agent name = *agent-name*, record name = *record-name*, period = *cause*) Wait a while, and then retry the operation. If the problem occurs repeatedly, contact the Tuning Manager server administrator.	*Cause* - *Action* Wait a while, and then retry the operation. If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC18470-W	Performance data required for analysis could not be collected. (host name = *host-name*, agent name = *agent-name*, record name = *record-name*, period = *cause*) Wait a while, and then retry the operation. If the problem occurs repeatedly, contact the Tuning Manager server administrator.	*Cause* - *Action* Wait a while, and then retry the operation. If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC18471-E	The MP Blade/Unit cannot be analyzed because the Tuning Manager API of the Tuning	*Cause* - *Action*

Message ID	Message Text	Description
	Manager agent that is monitoring the storage system cannot be used. (agent name = *agent-name*) Verify that the Tuning Manager API can be used, and then refresh the storage system.	Verify that the Tuning Manager API can be used, and then refresh the storage system.
KAIC18472-E	The MP Blade/Unit cannot be analyzed because the Tuning Manager API of the Tuning Manager agent that is monitoring the storage system cannot be used. (agent name = *agent-name*) Verify that the Tuning Manager API can be used, and then refresh the storage system.	*Cause* - *Action* Verify that the Tuning Manager API can be used, and then refresh the storage system.
KAIC18473-E	Information for the MP Blade/Unit was not found. Verify whether Tuning Manager is monitoring storage systems and refresh storage systems. If the problem occurs repeatedly, contact the Tuning Manager server administrator.	*Cause* - *Action* Verify whether Tuning Manager is monitoring storage systems and refresh storage systems. If the problem occurs repeatedly, contact the Tuning Manager server administrator.
KAIC18474-W	Some information about the logical group cannot be displayed. The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (dispatcher.properties). If necessary, revise the settings. In addition, logical group information can be refreshed by performing health checks.	*Cause* - *Action* The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (`dispatcher.properties`). If necessary, revise the settings. In addition, logical group information can be refreshed by performing health checks.
KAIC18475-W	Some information about the logical group cannot be displayed. The information about the Logical Group might not be up to date. The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (dispatcher.properties). If necessary, revise the settings. In addition, logical group information	*Cause* The information about the Logical Group might not be up to date. *Action* The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (`dispatcher.properties`). If necessary, revise the settings. In addition, logical group information

Message ID	Message Text	Description
	can be refreshed by performing health checks.	can be refreshed by performing health checks.
KAIC18476-W	Information about the logical group is being refreshed. The information about the Logical Group might not be up to date. The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (dispatcher.properties). If necessary, revise the settings. In addition, logical group information can be refreshed by performing health checks.	*Cause* The information about the Logical Group might not be up to date. *Action* The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (`dispatcher.properties`). If necessary, revise the settings. In addition, logical group information can be refreshed by performing health checks.
KAIC18477-E	Failed to refresh part of the information about the logical group. The information about the Logical Group might not be up to date. The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (dispatcher.properties). If necessary, revise the settings. In addition, logical group information can be refreshed by performing health checks.	*Cause* The information about the Logical Group might not be up to date. *Action* The start time for refreshing Logical Group information can be edited in the property server.dispatcher.logicalGroupMappingUpdate.startTime in the settings file (`dispatcher.properties`). If necessary, revise the settings. In addition, logical group information can be refreshed by performing health checks.
KAIC18478-E	Some information about the logical group cannot be displayed because the logical group has a large number of volumes.	*Cause* - *Action* -
KAIC18480-E	A migration job with the same name exists. Delete the unnecessary migration job with the same name, and then try again.	*Cause* - *Action* -
KAIC18481-E	There are no source volumes available for creating a migration job. Check and, if necessary, revise the selected source storage system.	*Cause* - *Action* Check and, if necessary, revise the selected source storage system.
KAIC18482-W	The target storage system does not have a license required for	*Cause*

Message ID	Message Text	Description
	migration. Install a license for the target storage system.	- *Action* Install a license for the target storage system.
KAIC18483-W	The total capacity of volumes in the source storage system exceeds the capacity of the target storage system. Capacity might become insufficient during data migration.	*Cause* Capacity might become insufficient during data migration. *Action* -
KAIC18484-W	The total capacity of volumes of the source storage systems registered for the migration job exceeds the capacity of the target storage system. Capacity might become insufficient during data migration.	*Cause* Capacity might become insufficient during data migration. *Action* -
KAIC18485-W	There are no target storage system. Add the target storage system.	*Cause* - *Action* Add the target storage system.
KAIC18486-E	A source volume (*source-volume*) cannot be virtualized. The source volume is already allocated as an external path to a target storage system. Unallocate external paths to the target storage system from the source volumes, and then try again.	*Cause* The source volume is already allocated as an external path to a target storage system. *Action* Unallocate external paths to the target storage system from the source volumes, and then try again.
KAIC18487-I	There is no mapping for resources unassigned to resource groups in the source storage system. The resource pool of the virtual storage machine in the corresponding source storage system will be mapped.	*Cause* - *Action* -
KAIC18488-W	Mapping is not possible because the target virtual storage machine corresponding to the source storage system was not found. The target virtual storage machine might have been deleted. Cancel the operation, and verify that the virtual storage machine corresponding to the source storage system is in the target storage system.	*Cause* The target virtual storage machine might have been deleted. *Action* Cancel the operation, and verify that the virtual storage machine corresponding to the source storage system is in the target storage system.
KAIC18489-E	One or more of the selected hosts was excluded from the migration	*Cause*

Message ID	Message Text	Description
	targets. One or more of the volumes related to a host or hosts might have been deleted from the migration job targets. Cancel the operation, and then check the migration job.	One or more of the volumes related to a host or hosts might have been deleted from the migration job targets. *Action* Cancel the operation, and then check the migration job.
KAIC18490-E	One or more of the source volumes was not found. One or more of the volumes might have been deleted from the migration job targets. Cancel the operation, and then check the source volumes.	*Cause* One or more of the volumes might have been deleted from the migration job targets. *Action* Cancel the operation, and then check the source volumes.
KAIC18491-W	The capacity of the selected DP pool might be insufficient. Check the [Message] column of the [Target Pools] table.	*Cause* - *Action* Check the [**Message**] column of the [**Target Pools**] table.
KAIC18492-W	After the task is executed, the subscription of the DP pool will exceed the subscription limit. Select another DP pool or, before executing the task, expand the DP pool.	*Cause* - *Action* Select another DP pool or, before executing the task, expand the DP pool.
KAIC18493-W	After the task is executed, the subscription of the DP pool will exceed the subscription warning. The following is recommended: Before executing the task, expand the DP pool.	*Cause* - *Action* The following is recommended: Before executing the task, expand the DP pool.
KAIC18494-W	After the task is executed, the used capacity of the DP pool will exceed "Used threshold 2". Select another DP pool or, before executing the task, expand the DP pool.	*Cause* - *Action* Select another DP pool or, before executing the task, expand the DP pool.
KAIC18495-W	After the task is executed, the used capacity of the DP pool will exceed "Used threshold 1". Select another DP pool or, before executing the task, expand the DP pool.	*Cause* - *Action* Select another DP pool or, before executing the task, expand the DP pool.

Message ID	Message Text	Description
KAIC18496-W	After the task is executed, the free capacity of the DP pool will be insufficient. Select another DP pool or, before executing the task, expand the DP pool.	*Cause* - *Action* Select another DP pool or, before executing the task, expand the DP pool.
KAIC18497-E	The capacity of the selected parity group is insufficient. Check the [Message] column of the [Target Parity GroupsKAIC16672-E] table.	*Cause* - *Action* Check the [**Message**] column of the [**Target Parity Groups**] table.
KAIC18498-E	The free space of the parity group is insufficient. Select another parity group.	*Cause* - *Action* Select another parity group.
KAIC18499-E	There are not enough available LDEV IDs. Delete *number-of-ldev-ids* unnecessary volumes, register LDEV IDs into the resource group, or select another resource group.	*Cause* - *Action* Delete *number-of-ldev-ids* unnecessary volumes, register LDEV IDs into the resource group, or select another resource group.
KAIC18500-E	There are not enough available volumes for target volumes for data migration in the selected DP pool or parity group. Select another DP pool or parity group, or select [Create new volumes].	*Cause* - *Action* Select another DP pool or parity group, or select [**Create new volumes**].
KAIC18501-E	Another task is using the selected parity group. Select another parity group or wait until the other task finishes using the parity group, and then try again.	*Cause* - *Action* Select another parity group or wait until the other task finishes using the parity group, and then try again.
KAIC18502-E	The task cannot be performed. Check the [Message] column in the [Task Status Detail] table and follow the provided instructions. Then restart the task.	*Cause* - *Action* Check the [**Message**] column in the [**Task Status Detail**] table and follow the provided instructions. Then restart the task.
KAIC18503-E	Data cannot be migrated. Check the [Message] column in the	*Cause*

Message ID	Message Text	Description
	[Migration Information] table, and then follow the instructions in the message.	- *Action* Check the [**Message**] column in the [**Migration Information**] table, and then follow the instructions in the message.
KAIC18504-E	The target volumes for data migration cannot be created. Subscription of the DP pool exceeds the subscription limit. After the DP pool (pool ID = *pool-id*) is expanded, restart the task.	*Cause* Subscription of the DP pool exceeds the subscription limit. *Action* After the DP pool (pool ID = *pool-id*) is expanded, restart the task.
KAIC18505-E	Data cannot be migrated. Used capacity of the DP pool exceeds used threshold 2. After the DP pool (pool ID = *pool-id*) is expanded, restart the task.	*Cause* Used capacity of the DP pool exceeds used threshold 2. *Action* After the DP pool (pool ID = *pool-id*) is expanded, restart the task.
KAIC18506-E	Data cannot be migrated. Used capacity of the DP pool exceeds used threshold 1. After the DP pool (pool ID = *pool-id*) is expanded, restart the task.	*Cause* Used capacity of the DP pool exceeds used threshold 1. *Action* After the DP pool (pool ID = *pool-id*) is expanded, restart the task.
KAIC18507-E	Data cannot be migrated. Free capacity of the DP pool is insufficient. After the DP pool (pool ID = *pool-id*) is expanded, restart the task.	*Cause* Free capacity of the DP pool is insufficient. *Action* After the DP pool (pool ID = *pool-id*) is expanded, restart the task.
KAIC18508-W	The performance problem of the following storage system ports cannot be identified. (storage port names = *storage-port-names*) The busy rate of one or more storage system ports could not be obtained because the ports were in the Link Down status. Check the status of the storage ports, take any necessary actions, and then refresh the storage system information.	*Cause* The busy rate of one or more storage system ports could not be obtained because the ports were in the Link Down status. *Action* Check the status of the storage ports, take any necessary actions, and then refresh the storage system information.
KAIC18509-W	The performance problem of ports in the following storage systems cannot be identified. (storage system names = *storage-names*) The busy rate of one or more ports	*Cause* The busy rate of one or more ports cannot be obtained because the configuration information has not been collected. *Action*

Message ID	Message Text	Description
	cannot be obtained because the configuration information has not been collected. Refresh the storage system information.	Refresh the storage system information.
KAIC18510-W	The performance problem of the following storage system ports cannot be identified because the busy rates could not be obtained. (storage port names = *storage-port-names*) Contact the customer support center, who may ask you to provide additional information. (Maintenance information=*maintenance-information*)	*Cause* - *Action* Contact the customer support center, who may ask you to provide additional information. (Maintenance information=*maintenance-information*)
KAIC18511-E	The selected user groups cannot be deleted (user groups = *user-group-names*). A resource group or service group of a product other than Device Manager is assigned to the user groups.	*Cause* A resource group or service group of a product other than Device Manager is assigned to the user groups. *Action* -
KAIC18512-E	Unable to register volumes to the migration job. (details = *message*) Follow the instructions in the displayed message, and perform any necessary actions. Then delete the migration job and try again.	*Cause* - *Action* Follow the instructions in the displayed message, and perform any necessary actions. Then delete the migration job and try again.
KAIC18513-E	One or more of the selected config files were not found. Either the selected config files were deleted, or HDvM cannot recognize them. Refresh the screen, or refresh the storage system information.	*Cause* Either the selected config files were deleted, or HDvM cannot recognize them. *Action* Refresh the screen, or refresh the storage system information.
KAIC18514-E	One or more of the secondary volumes used in the selected copy groups were not found in the target storage system. Verify that the secondary volumes used in the selected copy group exist and are allocated to the host.	*Cause* - *Action* Verify that the secondary volumes used in the selected copy group exist and are allocated to the host.
KAIC18515-E	One or more of the config files used in the selected copy groups were not found. Either the config files used in the selected copy groups were deleted, or HDvM	*Cause* Either the config files used in the selected copy groups were deleted, or HDvM cannot recognize them.

Message ID	Message Text	Description
	cannot recognize them. Close the dialog box and then re-open it. If this does not resolve the problem, refresh the storage systems.	*Action* Close the dialog box and then re-open it. If this does not resolve the problem, refresh the storage systems.
KAIC18516-E	Unable to save one or more config files. Review the message in the task details.	*Cause* - *Action* Review the message in the task details.
KAIC18517-E	Unable to find the secondary volume associated with the specified source volume (*source-volumes*). The secondary volume of the source might have been deleted. Cancel the operation, and then check the secondary volume.	*Cause* The secondary volume of the source might have been deleted. *Action* Cancel the operation, and then check the secondary volume.
KAIC18518-E	Unable to find the target secondary volume corresponding to the source secondary volume (*source-secondary-volumes*). The secondary volume of the target might not have been created, or it might have been deleted. Cancel the operation, and then check the secondary volume.	*Cause* The secondary volume of the target might not have been created, or it might have been deleted. *Action* Cancel the operation, and then check the secondary volume.
KAIC18519-E	A copy pair has not been created for the target volume corresponding to the source secondary volume (*source-secondary-volumes*). Create a copy pair, and then try again.	*Cause* - *Action* Create a copy pair, and then try again.
KAIC18520-E	A volume that allows this operation for the selected migration job does not exist. Cancel the operation, and then check the volume status.	*Cause* - *Action* Cancel the operation, and then check the volume status.
KAIC18521-W	This operation cannot be performed for one or more volumes (all volumes = *number-of-volumes-from-the-job*, excluded volumes = *number-of-unusable-volumes*). These volumes will be excluded from the operation.	*Cause* - *Action* -
KAIC18522-I	The source secondary volumes (*source-secondary-volumes*) are already unallocated from the backup server.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC18523-I	The target secondary volumes (*target-secondary-volumes*) are already allocated to the backup server.	*Cause* - *Action* -
KAIC18524-W	Volumes that are not source secondary volumes are also registered in the following source host groups. If you delete the WWNs of these host groups, these volumes will also be affected. (host groups = *source-host-group*) Check the influence on all volumes registered in the host group, and then delete the WWNs.	*Cause* - *Action* Check the influence on all volumes registered in the host group, and then delete the WWNs.
KAIC18525-W	Volumes that are not target secondary volumes are also registered on the following target host groups. If you add WWNs to these host groups, these volumes will also be affected. (host groups = *target-host-group*) Check the influence on all volumes registered in the host group, and then add WWNs. Alternatively, create a new host group for the backup server, and then add LUNs and WWNs to the host.	*Cause* - *Action* Check the influence on all volumes registered in the host group, and then add WWNs. Alternatively, create a new host group for the backup server, and then add LUNs and WWNs to the host.
KAIC18526-E	Information in the database is not valid for CLPRs. Refresh the storage system.	*Cause* - *Action* Refresh the storage system.
KAIC18527-W	The ShadowImage copy pair configuration of the following volumes cannot be migrated. (*source-volumes*) The config files related to the volumes are not managed by Device Manager. To migrate the copy pair configuration related to the volume, from the pair management server that manages the config file, send the host information from the Device Manager agent to the Device Manager server. Then refresh the source storage system, and try again.	*Cause* The config files related to the volumes are not managed by Device Manager. *Action* To migrate the copy pair configuration related to the volume, from the pair management server that manages the config file, send the host information from the Device Manager agent to the Device Manager server. Then refresh the source storage system, and try again.
KAIC18528-W	Unable to migrate the ShadowImage copy pair configuration. The required license	*Cause* The required license (*license-name*) is not registered in the target storage system.

Message ID	Message Text	Description
	(*license-name*) is not registered in the target storage system. If you want to migrate the ShadowImage copy pair configuration, register a license for the target storage system, and then try again.	*Action* If you want to migrate the ShadowImage copy pair configuration, register a license for the target storage system, and then try again.
KAIC18529-E	Unable to restart the task. There are no volume pairs for which the task status is "Failed". If there are volume pairs for which the task status is "Waiting for Action (Manually recover)", try the operation again from the Nondisruptive Migration dialog box.	*Cause* There are no volume pairs for which the task status is "Failed". *Action* If there are volume pairs for which the task status is "Waiting for Action (Manually recover)", try the operation again from the Nondisruptive Migration dialog box.
KAIC18530-E	The storage system information in Device Manager is not current. The storage system information might not have been refreshed, or the resource previously used for migration might not have been released. Refresh the storage system information. If you have already refreshed it, wait a few minutes and then try again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information. (storage system = *storage-system*)	*Cause* The storage system information might not have been refreshed, or the resource previously used for migration might not have been released. *Action* Refresh the storage system information. If you have already refreshed it, wait a few minutes and then try again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information. (storage system = *storage-system*)
KAIC18531-E	Unable to restart the task. Related target volumes might have been deleted. Cancel the operation, and then verify the target volumes.	*Cause* Related target volumes might have been deleted. *Action* Cancel the operation, and then verify the target volumes.
KAIC18532-E	Unable to restart the task. Either migration is complete, or the configuration of the target volume was changed. Cancel the operation. Then check the status of the target volume. If data has been migrated to the target volume, reclaim zero pages as necessary. After that, change the data migration status to	*Cause* Either migration is complete, or the configuration of the target volume was changed. *Action* Cancel the operation. Then check the status of the target volume. If data has been migrated to the target volume, reclaim zero pages as necessary. After that, change

Message ID	Message Text	Description
	"Completed (Manually recover)" from the [Manually Change Task Status] dialog box.	the data migration status to "Completed (Manually recover)" from the [Manually Change Task Status] dialog box.
KAIC18533-E	Unable to restart the task. The parity group specified for the migration target might have been deleted. Cancel the operation. Then try the operation again from the Nondisruptive Migration dialog box.	*Cause* The parity group specified for the migration target might have been deleted. *Action* Cancel the operation. Then try the operation again from the Nondisruptive Migration dialog box.
KAIC18534-E	Unable to restart the task. The DP pool specified for the migration target might have been deleted. Cancel the operation and retry the operation from Nondisruptive Migration dialog.	*Cause* The DP pool specified for the migration target might have been deleted. *Action* Cancel the operation and retry the operation from Nondisruptive Migration dialog.
KAIC18535-E	Unable to restart the task. Free space in the parity group specified for the migration target is insufficient. Cancel the operation and then, in the Nondisruptive Migration dialog box, select another parity group and then try again.	*Cause* Free space in the parity group specified for the migration target is insufficient. *Action* Cancel the operation and then, in the Nondisruptive Migration dialog box, select another parity group and then try again.
KAIC18536-E	Unable to restart the task. Free capacity in the DP pool specified for the migration target is insufficient. Cancel the operation. Expand the DP pool, and then try the operation again from the Nondisruptive Migration dialog box. Alternatively, select another pool, and then try again.	*Cause* Free capacity in the DP pool specified for the migration target is insufficient. *Action* Cancel the operation. Expand the DP pool, and then try the operation again from the Nondisruptive Migration dialog box. Alternatively, select another pool, and then try again.
KAIC18537-E	Unable to restart the task. The DP pool specified for the migration target is blocked. Cancel the operation. Then recover from the pool blocked status, and try the operation again from the Nondisruptive Migration dialog box.	*Cause* The DP pool specified for the migration target is blocked. *Action* Cancel the operation. Then recover from the pool blocked status, and try the operation again

Message ID	Message Text	Description
		from the Nondisruptive Migration dialog box.
KAIC18538-E	Unable to restart the task. The subscription of the DP pool specified for the migration target exceeds the subscription warning. Cancel the operation. Expand the DP pool, or edit the subscription warning. Then try the operation again from the Nondisruptive Migration dialog box.	*Cause* The subscription of the DP pool specified for the migration target exceeds the subscription warning. *Action* Cancel the operation. Expand the DP pool, or edit the subscription warning. Then try the operation again from the Nondisruptive Migration dialog box.
KAIC18539-E	Unable to restart the task. The subscription of the DP pool specified for the migration target exceeds the limit. Cancel the operation. Expand the DP pool, or edit the subscription limit. Then try the operation again from the Nondisruptive Migration dialog box.	*Cause* The subscription of the DP pool specified for the migration target exceeds the limit. *Action* Cancel the operation. Expand the DP pool, or edit the subscription limit. Then try the operation again from the Nondisruptive Migration dialog box.
KAIC18540-E	Unable to restart the task. The used % of the DP pool specified for the migration target exceeds the used threshold 1. Cancel the operation. Expand the DP pool, or edit used threshold 1. Then try the operation again from the Nondisruptive Migration dialog box.	*Cause* The used % of the DP pool specified for the migration target exceeds the used threshold 1. *Action* Cancel the operation. Expand the DP pool, or edit used threshold 1. Then try the operation again from the Nondisruptive Migration dialog box.
KAIC18541-E	Unable to restart the task. The used % of the DP pool specified for the migration target exceeds the used threshold 2. Cancel the operation. Expand the DP pool, or edit used threshold 2. Then try the operation again from the Nondisruptive Migration dialog box.	*Cause* The used % of the DP pool specified for the migration target exceeds the used threshold 2. *Action* Cancel the operation. Expand the DP pool, or edit used threshold 2. Then try the operation again from the Nondisruptive Migration dialog box.
KAIC18542-E	Unable to restart the task. The number of volumes exceeds the maximum number of volumes that can be created in the DP pool specified for the migration target. Cancel the operation. Delete any unnecessary DP volumes, and then try the operation again from the	*Cause* The number of volumes exceeds the maximum number of volumes that can be created in the DP pool specified for the migration target. *Action*

Message ID	Message Text	Description
	Nondisruptive Migration dialog box. Alternatively, select another pool and then try again.	Cancel the operation. Delete any unnecessary DP volumes, and then try the operation again from the Nondisruptive Migration dialog box. Alternatively, select another pool and then try again.
KAIC18543-E	Unable to restart the task. The number of volumes exceeds the maximum number of volumes that can be created in the storage system specified for the migration target. Cancel the operation. Delete any unnecessary DP volumes, and then try the operation again from the Nondisruptive Migration dialog box.	*Cause* The number of volumes exceeds the maximum number of volumes that can be created in the storage system specified for the migration target. *Action* Cancel the operation. Delete any unnecessary DP volumes, and then try the operation again from the Nondisruptive Migration dialog box.
KAIC18544-E	Unable to restart the task. The specified LDEV ID is already used in the storage system specified for the migration target. Cancel the operation. Release the used LDEV ID, and then try the operation again from the Nondisruptive Migration dialog box.	*Cause* The specified LDEV ID is already used in the storage system specified for the migration target. *Action* Cancel the operation. Release the used LDEV ID, and then try the operation again from the Nondisruptive Migration dialog box.
KAIC18545-E	Unable to add the virtualized volume of the source volume (*source-volumes*) to the host group (*target-host-group*) of the target port (*target-port*). The virtual storage machine (*vsm-name*) associated with the virtualized volume is different from the virtual storage machine (*vsm-name*) associated with the host group of the target. Change the port mapping, and then try again.	*Cause* The virtual storage machine (*vsm-name*) associated with the virtualized volume is different from the virtual storage machine (*vsm-name*) associated with the host group of the target. *Action* Change the port mapping, and then try again.
KAIC18546-W	Processing stopped after volume creation was complete because another volume could not be created.	*Cause* - *Action* -
KAIC18547-E	Unable to detect the end of volume formatting. The volume might have been deleted without the volume being formatted. Refresh the operation target storage system, and then verify the resources.	*Cause* The volume might have been deleted without the volume being formatted. *Action*

Message ID	Message Text	Description
		Refresh the operation target storage system, and then verify the resources.
KAIC18548-E	Unable to detect the end of volume formatting. The volume might have been deleted without the volume being formatted. Refresh the related target storage system, and then format the volume.	*Cause* The volume might have been deleted without the volume being formatted. *Action* Refresh the related target storage system, and then format the volume.
KAIC18549-E	An error occurred in processing after completion of volume creation. Review the details and follow the instructions as necessary. (details = *message*)	*Cause* - *Action* Review the details and follow the instructions as necessary. (details = *message*)
KAIC18550-E	An error occurred in processing after completion of volume creation. Review the details and follow the instructions as necessary. Then restart the task. (details = *message*)	*Cause* - *Action* Review the details and follow the instructions as necessary. Then restart the task. (details = *message*)
KAIC18551-E	Unable to get progress information on the migration from the storage system. The migration pair might be split. After the task is complete, refresh the storage system information. Then check the volume information and restart the task if necessary.	*Cause* The migration pair might be split. *Action* After the task is complete, refresh the storage system information. Then check the volume information and restart the task if necessary.
KAIC18552-E	Unable to complete the migration. The migration has been stopped by the storage system. Make sure of the following: (1) Make sure that the storage system load for access from the hosts has not become high. (2) Make sure that there has been no change in the configuration of the source volume or target volume. Then restart the task.	*Cause* The migration has been stopped by the storage system. *Action* Make sure of the following: 1. Make sure that the storage system load for access from the hosts has not become high. 2. Make sure that there has been no change in the configuration of the source volume or target volume. Then restart the task.

Message ID	Message Text	Description
KAIC18553-E	An error occurred in processing after completion of volume migration. Refresh the storage system. Wait a while, and then verify that "Migration-reserved" is not displayed in the [Volume Attribute] column of the operation target volume. After that, restart the task if necessary. If the error occurs again, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* - *Action* Refresh the storage system. Wait a while, and then verify that "Migration-reserved" is not displayed in the [**Volume Attribute**] column of the operation target volume. After that, restart the task if necessary. If the error occurs again, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIC18554-E	Unable to stop the task. Check the [Message] column in the [Task Status Detail] table and follow the provided instructions, and then try again.	*Cause* - *Action* Check the [**Message**] column in the [**Task Status Detail**] table and follow the provided instructions, and then try again.
KAIC18555-E	Unable to stop data migration. Check the [Message] column in the [Migration Information] table and follow the provided instructions.	*Cause* - *Action* Check the [**Message**] column in the [**Migration Information**] table and follow the provided instructions.
KAIC18556-E	An error occurred in processing after completion of data migration. Review the details and follow the instructions as necessary, and then try again. (details = *message*)	*Cause* - *Action* Review the details and follow the instructions as necessary, and then try again. (details = *message*)
KAIC18557-E	The cache mode of the parity group in the target storage system is not "write-sync mode". The cache mode might have been changed. Change the cache mode to "write-sync mode", and then try again.	*Cause* The cache mode might have been changed. *Action* Change the cache mode to "write-sync mode", and then try again.
KAIC18558-E	The target volume (*ldev-ids*) is not virtualized for Nondisruptive Migration. Either migration is	*Cause* Either migration is complete, or the configuration of the target volume was changed.

Message ID	Message Text	Description
	complete, or the configuration of the target volume was changed. Cancel the operation. Then check the status of the target volume. If the data migration status is "Failed" and data has been migrated to the target volume, reclaim zero pages as necessary. After that, change the data migration status to "Completed (Manually recover)" from the [Manually Change Task Status] dialog box.	*Action* Cancel the operation. Then check the status of the target volume. If the data migration status is "Failed" and data has been migrated to the target volume, reclaim zero pages as necessary. After that, change the data migration status to "Completed (Manually recover)" from the [Manually Change Task Status] dialog box.
KAIC18559-I	Another LDEV ID will be used because another volume is using the original LDEV ID that was specified by the restarted task.	*Cause* - *Action* -
KAIC18560-E	Unable to create volumes. Check the [Message] column in the [Target Volume Information for Data Migration], and then follow the instructions in the message.	*Cause* - *Action* Check the [**Message**] column in the [**Target Volume Information for Data Migration**], and then follow the instructions in the message.
KAIC18561-I	The ShadowImage copy pair configurations of the source storage system could not be migrated. There are no config files for managing the copy pairs. To migrate the copy pair configuration, on the pair management server that manages the config file, send the host information from the Device Manager agent to the Device Manager server. Refresh the source storage system, and then try again.	*Cause* There are no config files for managing the copy pairs. *Action* To migrate the copy pair configuration, on the pair management server that manages the config file, send the host information from the Device Manager agent to the Device Manager server. Refresh the source storage system, and then try again.
KAIC18562-W	The operation cannot be performed because some volumes (all volumes = *num-of-all-volumes*, excluded volumes = *num-of-disabled-volumes*) are in the following states and are excluded from the operation. (1) The volume is not a ShadowImage volume. (2) The secondary volume has already been created. (3) HDvM does not recognize the config file.	*Cause* - *Action* -

Message ID	Message Text	Description
KAIC18563-E	The target volume related to the source secondary volume (*source-volume*) cannot be created. The LDEV ID of a source secondary volume has already been assigned as the virtual ID for volume (*volumes-in-the-target-storage-system*) in the target storage system. Remove the virtual LDEV ID from the volumes in the target storage system, and then retry the operation.	*Cause* The LDEV ID of a source secondary volume has already been assigned as the virtual ID for volume (*volumes-in-the-target-storage-system*) in the target storage system. *Action* Remove the virtual LDEV ID from the volumes in the target storage system, and then retry the operation.
KAIC18564-E	The target volume related to the source secondary volume (*source-volume*) cannot be created. The virtual LDEV ID of a source secondary volume has already been assigned to the volume (*volumes-in-the-target-storage-system*) in the target storage system as the virtual ID. Remove the virtual LDEV ID from the volumes in the target storage system, and then retry the operation.	*Cause* The virtual LDEV ID of a source secondary volume has already been assigned to the volume (*volumes-in-the-target-storage-system*) in the target storage system as the virtual ID. *Action* Remove the virtual LDEV ID from the volumes in the target storage system, and then retry the operation.
KAIC18565-E	The target volume related to the source secondary volume (*source-volume*) has already been created. Select another volume, and then try the operation again.	*Cause* - *Action* Select another volume, and then try the operation again.
KAIC18567-E	The selected volumes do not include a ShadowImage pair volume. Verify that the target volumes are ShadowImage pair volumes, and then try again.	*Cause* - *Action* Verify that the target volumes are ShadowImage pair volumes, and then try again.
KAIC18568-E	After the task is executed, the subscription of the DP pool will exceed the subscription limit. Select another DP pool or, before executing the task, expand the DP pool.	*Cause* - *Action* Select another DP pool or, before executing the task, expand the DP pool.
KAIC18569-W	After the task is executed, the subscription of the DP pool will exceed the subscription warning. The following is recommended: Before executing the task, expand the DP pool.	*Cause* - *Action* The following is recommended: Before executing the task, expand the DP pool.

Message ID	Message Text	Description
KAIC18570-E	The free space of the parity group is insufficient. Select another parity group.	*Cause* - *Action* Select another parity group.
KAIC18571-E	Unable to restart the task. At least one volume cannot be migrated. Cancel the operation and verify the volumes.	*Cause* At least one volume cannot be migrated. *Action* Cancel the operation and verify the volumes.
KAIC18572-E	The operation cannot be performed for the selected task. Select a different task, and then try again.	*Cause* - *Action* Select a different task, and then try again.
KAIC18573-E	The selected volumes include volumes (*source-volume*) that are not ShadowImage pair volumes. Select ShadowImage pair volumes only, and then try again.	*Cause* - *Action* Select ShadowImage pair volumes only, and then try again.
KAIC18574-W	The external volumes cannot be displayed because the microcode version of the storage system (*storage-system-name*) is earlier than *microcode-version*. Update the microcode version to *microcode-version* or later.	*Cause* - *Action* Update the microcode version to *microcode-version* or later.
KAIC18575-E	One or more selected volumes are Read-Only. (selected volumes = "*ldev-id*") Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC18576-E	One or more selected volumes are being blocked or are not formatted. (selected volumes = "*ldev-id*") Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC18577-E	One or more selected volumes are in correction access condition. (selected volumes = "*ldev-id*") Specify different volumes.	*Cause* - *Action* Specify different volumes.
KAIC18578-E	One or more selected volumes are being shredded. (selected volumes = "*ldev-id*") Wait a while, refresh the storage system, and then try again.	*Cause* - *Action*

Message ID	Message Text	Description
		Wait a while, refresh the storage system, and then try again.
KAIC18579-E	One or more selected volumes are being formatted. (selected volumes = "*ldev-id*") Wait a while, refresh the storage system, and then try again.	*Cause* - *Action* Wait a while, refresh the storage system, and then try again.
KAIC18580-E	One or more selected volumes are being copied. (selected volumes = "*ldev-id*") Wait a while, refresh the storage system, and then try again.	*Cause* - *Action* Wait a while, refresh the storage system, and then try again.
KAIC18581-E	One or more selected volumes are being prepared for quick format. (selected volumes = "*ldev-id*") Wait a while, refresh the storage system, and then try again.	*Cause* - *Action* Wait a while, refresh the storage system, and then try again.
KAIC18582-E	One or more of the selected config files could not be migrated. Refer to the message displayed in the [Message] column of the [Config Files for the Target] table, to resolve the problem, and then try again.	*Cause* - *Action* Refer to the message displayed in the [**Message**] column of the [**Config Files for the Target**] table, to resolve the problem, and then try again.
KAIC18583-E	One or more selected volumes are being quick formatted. (selected volumes = "*ldev-id*") Wait a while, refresh the storage system, and then try again.	*Cause* - *Action* Wait a while, refresh the storage system, and then try again.
KAIC18584-W	Information about one or more config files might not have been obtained. (pair management server = *host-name*) Verify, and if necessary, revise the status of hosts and Device Manager agents, then refresh the information for the target storage system, and then try again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.	*Cause* - *Action* Verify, and if necessary, revise the status of hosts and Device Manager agents, then refresh the information for the target storage system, and then try again. If this problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC18586-E	At least one source volume is used in a copy pair. Release the copy pairs, and then try again.	*Cause* - *Action* Release the copy pairs, and then try again.
KAIC18587-E	A path is set to at least one internal volume in the target storage system. Cancel the operation, and then delete the paths configured to the internal volume of the target storage system, and then try again.	*Cause* - *Action* Cancel the operation, and then delete the paths configured to the internal volume of the target storage system, and then try again.
KAIC18588-E	The selected DP pool or parity group does not contain enough available volumes for the target secondary volumes. Select another DP pool or parity group, or select [Create new volumes].	*Cause* - *Action* Select another DP pool or parity group, or select [**Create new volumes**].
KAIC18589-E	The selected DP pool is in blocked status. Select another DP pool. Alternatively, cancel the operation, recover the DP pool from blocked status, refresh the storage system, and then try again.	*Cause* - *Action* Select another DP pool. Alternatively, cancel the operation, recover the DP pool from blocked status, refresh the storage system, and then try again.
KAIC18590-E	The number of volumes exceeds the maximum that can be created in the target DP pool. Select another DP pool.	*Cause* - *Action* Select another DP pool.
KAIC18591-E	The selected migration jobs could not be canceled. Volumes that completed step 4 of the data migration workflow are included.	*Cause* Volumes that completed step 4 of the data migration workflow are included. *Action* -
KAIC18592-E	The selected volume could not be deleted from the migration job. Volumes that completed step 4 of the data migration workflow are included.	*Cause* Volumes that completed step 4 of the data migration workflow are included. *Action* -

Message ID	Message Text	Description
KAIC18593-I	Copy pair status of target volume *ldev-id* is PSUS or PSUS(SP). If the copy pair status is PSUS(SP), data migration and reclaiming zero pages will fail. Verify the copy pair status is PSUS by Device Manager - Storage Navigator, and then execute the task.	*Cause* - *Action* Verify the copy pair status is PSUS by Device Manager - Storage Navigator, and then execute the task.
KAIC18594-W	Copy pair status of target volume *ldev-id* is not PSUS. If the copy pair status is not PSUS, reclaiming zero pages will fail. If reclaiming zero pages is executed, after making the copy pair status to be PSUS, make sure the copy pair status is PSUS. And then, execute the task after refreshing the storage system as necessary.	*Cause* - *Action* If reclaiming zero pages is executed, after making the copy pair status to be PSUS, make sure the copy pair status is PSUS. And then, execute the task after refreshing the storage system as necessary.
KAIC18595-E	At least one internal volume in the target storage system that corresponds to a source volume could not be found. At least one internal volume might have been deleted. Cancel the operation, and then check the internal volumes.	*Cause* At least one internal volume might have been deleted. *Action* Cancel the operation, and then check the internal volumes.
KAIC18596-W	The copy pair status of volumes (*ldev-id*) in the target storage system is COPY or COPY(SP). If the copy pair status is COPY(SP), both data migration and zero page reclaim will fail, If the the copy pair status is COPY, zero page reclaim will fail. Verify the copy pair status by Device Manager - Storage Navigator, and then follow the instructions. -If the copy pair status is COPY(SP):Verify the copy pair status is PSUS, and then execute the task. -If the copy pair status is COPY:If reclaiming zero pages is executed, after making the copy pair status to be PSUS, make sure the copy pair status is PSUS. And then, execute the task after refreshing the storage system as necessary.	*Cause* - *Action* Verify the copy pair status by Device Manager - Storage Navigator, and then follow the instructions. • If the copy pair status is COPY(SP):Verify the copy pair status is PSUS, and then execute the task. • If the copy pair status is COPY:If reclaiming zero pages is executed, after making the copy pair status to be PSUS, make sure the copy pair status is PSUS. And then, execute the task after refreshing the storage system as necessary.
KAIC18597-E	The config files for the source storage system have not been saved yet, or HDvM cannot recognize them. Refresh the	*Cause* - *Action*

Message ID	Message Text	Description
	storage system information. If config files were added after you created the migration project, delete the migration project and then re-create the project.	Refresh the storage system information. If config files were added after you created the migration project, delete the migration project and then re-create the project.
KAIC18598-W	One or more resources could not be analyzed. (resource type = *resource-type*, storage system name = *storage-system-name*) The information acquired from Tuning Manager is not the most recent information. Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the storage systems. (agent name = *agent-service-name*)	*Cause* The information acquired from Tuning Manager is not the most recent information. *Action* Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the storage systems. (agent name = *agent-service-name*)
KAIC18599-W	One or more resources could not be analyzed. (resource type = *resource-type*, storage system name = *storage-system-name*) A setting is enabled that does not record performance data records of Tuning Manager agent. Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the storage systems. (agent name = *agent-service-name*, record name = *agent-record-name*)	*Cause* A setting is enabled that does not record performance data records of Tuning Manager agent. *Action* Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the storage systems. (agent name = *agent-service-name*, record name = *agent-record-name*)
KAIC18601-W	Part of a report could not be generated because information could not be acquired from Tuning Manager. (resource type = *resource-type*) The information acquired from Tuning Manager is not the most recent information. Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the	*Cause* The information acquired from Tuning Manager is not the most recent information. *Action* Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the

Message ID	Message Text	Description
	storage systems. (agent name = *agent-service-name*)	storage systems. (agent name = *agent-service-name*)
KAIC18602-W	Part of a report could not be generated because information could not be acquired from Tuning Manager. (resource type = *resource-type*) A setting is enabled that does not record performance data records of Tuning Manager agent. Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the storage systems. (agent name = *agent-service-name*, record name = *agent-record-name*)	*Cause* A setting is enabled that does not record performance data records of Tuning Manager agent. *Action* Make sure the version of Tuning Manager agent supports this function. (The version must be *version* or later.) If the version supports the function, check whether the configuration is set to record records of the Tuning Manager agent. Then, refresh the storage systems. (agent name = *agent-service-name*, record name = *agent-record-name*)
KAIC18603-E	Unable to find the specified VMware vCenter Server. The specified VMware vCenter Server might be deleted. Cancel the operation and verify the resources.	*Cause* The specified VMware vCenter Server might be deleted. *Action* Cancel the operation and verify the resources.
KAIC18604-E	The storage pool could not be created or expanded because the total capacity of system drives exceeds the capacity limit of the storage pool (*maximum-total-system-drives-capacity-in-storage-pool*). Delete unnecessary volumes, and then try again.	*Cause* - *Action* Delete unnecessary volumes, and then try again.
KAIC18605-E	The storage pool could not be expanded because the total capacity of DP volumes exceeds the capacity limit of the storage system (*maximum-total-dp-volume-capacity-in-storage-system*).	*Cause* - *Action* -
KAIC18606-W	The DP pool subscription rate currently exceeds the maximum subscription rate (*maximum-subscription-limit*) because the Limit Enforcement option is enabled. Expand the DP pool, change the maximum subscription rate, or select another DP pool.	*Cause* - *Action* Expand the DP pool, change the maximum subscription rate, or select another DP pool.
KAIC18607-W	The DP pool subscription rate currently exceeds the maximum	*Cause* - *Action*

Message ID	Message Text	Description
	subscription rate (*maximum-subscription-limit*) because the Limit Enforcement option is enabled. Expand the DP pool or change the maximum subscription rate.	Expand the DP pool or change the maximum subscription rate.
KAIC18608-E	The storage pool could not be created because the subscription rate of the selected DP pool exceeds the subscription rate limit (*maximum-subscription-limit*). Expand the DP pool, change the subscription limit rate, or select another DP pool.	*Cause* - *Action* Expand the DP pool, change the subscription limit rate, or select another DP pool.
KAIC18609-E	The storage pool could not be expanded because the subscription rate of the selected DP pool exceeds the subscription rate limit (*maximum-subscription-limit*). Expand the DP pool or change the subscription limit rate.	*Cause* - *Action* Expand the DP pool or change the subscription limit rate.
KAIC18610-W	The subscription rate of the selected pool exceeds the subscription warning rate (*subscription-warning*). Expand the DP pool, change the subscription warning rate, or select another DP pool.	*Cause* - *Action* Expand the DP pool, change the subscription warning rate, or select another DP pool.
KAIC18611-W	The subscription rate of the selected pool exceeds the subscription warning rate (*subscription-warning*). Expand the DP pool or change the subscription warning rate.	*Cause* - *Action* Expand the DP pool or change the subscription warning rate.
KAIC18612-E	The storage pool could not be created or expanded. The specified capacity is more than the maximum capacity (*maximum-capacity*) for a volume that can be used as a system drive. Revise the specified capacity, and then try again.	*Cause* The specified capacity is more than the maximum capacity (*maximum-capacity*) for a volume that can be used as a system drive. *Action* Revise the specified capacity, and then try again.
KAIC18613-E	The storage pool could not be created because the usage rate of the selected DP pool exceeds the used threshold 2 (*used-threshold2*). Expand the DP pool, change the used threshold 2, or select another DP pool.	*Cause* - *Action* Expand the DP pool, change the used threshold 2, or select another DP pool.

Message ID	Message Text	Description
KAIC18614-E	The storage pool could not be expanded because the usage rate of the selected DP pool exceeds the used threshold 2 (*used-threshold2*). Expand the DP pool or change the used threshold 2.	*Cause* - *Action* Expand the DP pool or change the used threshold 2.
KAIC18615-W	The usage rate of the selected pool exceeds the used threshold 1 (*used-threshold1*). Expand the DP pool, change the used threshold 1, or select another DP pool.	*Cause* - *Action* Expand the DP pool, change the used threshold 1, or select another DP pool.
KAIC18616-W	The usage rate of the selected DP pool exceeds the used threshold 1 (*used-threshold1*). Expand the DP pool or change the used threshold 1.	*Cause* - *Action* Expand the DP pool or change the used threshold 1.
KAIC18617-E	One or more tasks could not be stopped immediately. (task names = *task-name*) One or more storage systems are being updated. (storage systems = *storage-system-name*) Wait until the update of the storage systems finishes, and then try again.	*Cause* One or more storage systems are being updated. (storage systems = *storage-system-name*) *Action* Wait until the update of the storage systems finishes, and then try again.
KAIC18618-E	One or more tasks could not be stopped immediately. (task names = *task-name*) Information for one or more storage systems might not be up-to-date. (storage systems = *storage-system-name*) Refresh the storage system information, and then try again.	*Cause* Information for one or more storage systems might not be up-to-date. (storage systems = *storage-system-name*) *Action* Refresh the storage system information, and then try again.
KAIC18619-E	You cannot execute this operation because the microcode version of the storage system (*storage-system-name*) is earlier than that of *micro-code-version*. Update the storage system microcode to the latest version.	*Cause* - *Action* Update the storage system microcode to the latest version.
KAIC18620-E	You cannot execute this operation because the microcode version of the storage system (*storage-system-name*) is earlier than that of *micro-code-version*. Specify a different storage system, or update the storage system microcode to the latest version.	*Cause* - *Action* Specify a different storage system, or update the storage system microcode to the latest version.

Message ID	Message Text	Description
KAIC18621-E	The storage pool could not be created because the total capacity of DP volumes exceeds the capacity limit of the storage system (*maximum-total-dp-volume-capacity-in-storage-system*). Specify a different storage system.	*Cause* - *Action* Specify a different storage system.
KAIC18622-E	You cannot change to global-active device volumes, because a resource group (*resource-group-name*) of the selected volumes contains a volume undergoing data migration using virtual IDs. Wait for the data migration to finish, and then try again.	*Cause* - *Action* Wait for the data migration to finish, and then try again.
KAIC18623-E	Hitachi Command Suite management server is not registered as the external authentication server of SVP. To perform this operation, edit the storage system to register the Hitachi Command Suite management server as an external authentication server of SVP.	*Cause* - *Action* To perform this operation, edit the storage system to register the Hitachi Command Suite management server as an external authentication server of SVP.
KAIC18624-E	You cannot perform this action for the selected parity groups.(*the-parity-groups-other-than-the-representative-parity-group*) To perform an operation on a concatenated parity group, select only the parity group that has the smallest number within the connected parity group.	*Cause* - *Action* To perform an operation on a concatenated parity group, select only the parity group that has the smallest number within the connected parity group.
KAIC18659-E	Tuning Manager might not be monitoring the specified storage system, or the configuration information of the storage system might not be up to date. (storage system name = *storage-system-name*) Verify that Tuning Manager is monitoring the storage system, and then update the storage system information.	*Cause* - *Action* Verify that Tuning Manager is monitoring the storage system, and then update the storage system information.
KAIC18660-E	You cannot perform storage performance analysis on a per host basis because the Tuning Manager API of the Tuning Manager agent that is monitoring the storage system is not available. (agent name = *agent-name*, storage system name = *storage-system-name*) Verify that Tuning Manager	*Cause* - *Action* Verify that Tuning Manager API is available, and then update the storage system.

Message ID	Message Text	Description
	API is available, and then update the storage system.	
KAIC18661-E	You cannot perform storage performance analysis on a per host basis because the Tuning Manager API of the Tuning Manager agent that is monitoring the storage system is not available. (agent name = *agent-name*, storage system name = *storage-system-name*) Verify that Tuning Manager API is available, and then update the storage system.	*Cause* - *Action* Verify that Tuning Manager API is available, and then update the storage system.
KAIC18662-E	The host information cannot be found. The hosts that are connected to the specified storage system are not registered in Device Manager. Register the hosts in Device Manager, and then try again.	*Cause* The hosts that are connected to the specified storage system are not registered in Device Manager. *Action* Register the hosts in Device Manager, and then try again.
KAIC18663-W	The displayed information might not be up to date because the specified request was performed during an update of the storage system. Do you want to continue processing? click [OK] to Continue processing, or click [Cancel] to close the window and stop processing. Perform the analysis again after the storage system is updated.	*Cause* - *Action* Do you want to continue processing? click [**OK**] to Continue processing, or click [**Cancel**] to close the window and stop processing. Perform the analysis again after the storage system is updated.
KAIC18664-W	The storage system information might not be up-to-date. Do you want to continue processing? click [OK] to Continue processing, or click [Cancel] to close the window and stop processing. Perform the analysis again after the storage system is updated.	*Cause* - *Action* Do you want to continue processing? click [**OK**] to Continue processing, or click [**Cancel**] to close the window and stop processing. Perform the analysis again after the storage system is updated.
KAIC18665-E	The storage system performance analysis on a per host basis is not supported. (agent host name = *host-name*, agent name = *agent-instance-name*) The Tuning Manager agent might not support Hybrid Store. Verify if the version of the Tuning Manager agent supports Hybrid Store.	*Cause* The Tuning Manager agent might not support Hybrid Store. *Action* Verify if the version of the Tuning Manager agent supports Hybrid Store.

Message ID	Message Text	Description
KAIC18666-E	The storage system performance analysis on a per host basis is not supported. (agent host name = *host-name*, agent name = *agent-instance-name*) It is possible that you did not use Hybrid Store as the performance database for the Tuning Manager agent. Change performance database from Store database to Hybrid Store database, and then try again.	*Cause* It is possible that you did not use Hybrid Store as the performance database for the Tuning Manager agent. *Action* Change performance database from Store database to Hybrid Store database, and then try again.
KAIC18667-W	No performance data exists within the specified analysis period. (agent host name = *host-name*, agent name = *agent-instance-name*, period = *target-period*, granularity of data = *data-duration*) The possible causes are as follows: - The retention period of the performance data (with the displayed granularity) for the Tuning Manager agent has expired. - The performance data records collected by the Tuning Manager agent are not being recorded. (record names = PI_LDS, PI_LDS2, PI_LDS3, PI_LDS4) - The filtering function is enabled in the logical device definition file for the Tuning Manager agent.	*Cause* The possible causes are as follows: • The retention period of the performance data (with the displayed granularity) for the Tuning Manager agent has expired. • The performance data records collected by the Tuning Manager agent are not being recorded.(record names = PI_LDS, PI_LDS2, PI_LDS3, PI_LDS4) • The filtering function is enabled in the logical device definition file for the Tuning Manager agent. *Action* -
KAIC18668-W	No performance data exists within the specified analysis period. (agent host name = *host-name*, agent name = *agent-instance-name*, period = *target-period*, granularity of data = *data-duration*, host name = *host-name*) The possible causes are as follows: - The target host do not exist within the specified analysis period. - The retention period of the performance data (with the displayed granularity) for the Tuning Manager agent has expired. - The performance data records collected by the Tuning Manager agent are not being recorded. (record names = PI_LDS, PI_LDS2, PI_LDS3, PI_LDS4)	*Cause* The possible causes are as follows: • The target host do not exist within the specified analysis period. • The retention period of the performance data (with the displayed granularity) for the Tuning Manager agent has expired. • The performance data records collected by the Tuning Manager agent are not being recorded.(record names = PI_LDS, PI_LDS2, PI_LDS3, PI_LDS4) • The filtering function is enabled in the logical device definition file for the Tuning Manager agent.

Message ID	Message Text	Description
	- The filtering function is enabled in the logical device definition file for the Tuning Manager agent.	*Action* -
KAIC18670-W	The host information cannot be found. (host name = *host-name*) The host information might have been deleted while the host was being analyzed. Delete the target host from the selected analysis view.	*Cause* The host information might have been deleted while the host was being analyzed. *Action* Delete the target host from the selected analysis view.
KAIC18671-W	No performance information exists within the specified analysis period. (agent host name = *host-name*, agent name = *agent-instance-name*, period = *target-period*, granularity of data = *data-duration*, host name = *host-name*) The possible causes are as follows: - The target host do not exist within the specified analysis period. - The retention period of the performance data (with the displayed granularity) for the Tuning Manager agent has expired. - The performance data records for the Tuning Manager agent are not being recorded.(record names = PI_LDS, PI_LDS2, PI_LDS3, PI_LDS4) - The filtering function is enabled in the logical device definition file for the Tuning Manager agent.	*Cause* The possible causes are as follows: • The target host do not exist within the specified analysis period. • The retention period of the performance data (with the displayed granularity) for the Tuning Manager agent has expired. • The performance data records for the Tuning Manager agent are not being recorded. (record names = PI_LDS, PI_LDS2, PI_LDS3, PI_LDS4) • The filtering function is enabled in the logical device definition file for the Tuning Manager agent. *Action* -
KAIC18672-W	When you create a volume with the specified capacity and full allocation enabled, the size of the pool (used capacity) exceeds Used Threshold 1. Expand the pool as necessary.	*Cause* - *Action* Expand the pool as necessary.
KAIC18673-E	Volumes cannot be created. When you create a volume with the specified capacity and full allocation enabled, the size of the pool (used capacity) exceeds Used Threshold 2. Perform one of the following operations: - Select a different pool - Expand the pool - Decrease the capacity of the volume to be created	*Cause* When you create a volume with the specified capacity and full allocation enabled, the size of the pool (used capacity) exceeds Used Threshold 2. *Action* Perform one of the following operations: • Select a different pool • Expand the pool

Message ID	Message Text	Description
	- Disable full allocation - Change Used Threshold 2	• Decrease the capacity of the volume to be created • Disable full allocation • Change Used Threshold 2
KAIC18674-W	When you allocate a volume with the specified capacity and full allocation enabled, the size of the pool (used capacity) exceeds Used Threshold 1. Expand the pool as necessary.	*Cause* - *Action* Expand the pool as necessary.
KAIC18675-E	When you allocate a volume with the specified capacity and full allocation enabled, the size of the pool (used capacity) exceeds Used Threshold 2. Perform one of the following operations: - Select a different pool - Expand the pool - Decrease the capacity of the volume - Disable full allocation - Change Used Threshold 2	*Cause* - *Action* Perform one of the following operations: • Select a different pool • Expand the pool • Decrease the capacity of the volume • Disable full allocation • Change Used Threshold 2
KAIC18676-W	When the existing DP volume is used as a migration-destination volume, the migration-destination volume does not inherit the full allocation option of the migration-source volume. Change the full allocation option for the migration-destination volume by using Storage Navigator or Device Manager CLI.	*Cause* - *Action* Change the full allocation option for the migration-destination volume by using Storage Navigator or Device Manager CLI.
KAIC18677-E	The DP volume cannot be expanded because the size of the pool (used capacity) exceeds Used Threshold 2. Expand the pool, or revise Used Threshold 2.	*Cause* - *Action* Expand the pool, or revise Used Threshold 2.
KAIC18680-E	After shrinking the DP pool, one or more volumes could not be formatted. Refresh the storage system, and then check the DP pool information. If volumes removed from the DP pool are in a blocked status, use the Device Manager CLI, or Element Manager to format those volumes.	*Cause* - *Action* Refresh the storage system, and then check the DP pool information. If volumes removed from the DP pool are in a blocked status, use the Device Manager CLI, or Element Manager to format those volumes.
KAIC18681-E	Auto cannot be specified for CTG ID. All CTG IDs for the selected	*Cause*

Message ID	Message Text	Description
	storage systems are in use. Delete unnecessary pairs to make CTG IDs available, and then try again.	All CTG IDs for the selected storage systems are in use. *Action* Delete unnecessary pairs to make CTG IDs available, and then try again.
KAIC18682-E	The primary and secondary storage systems of a global-active device pair belonging to the selected consistency group (CTG ID = *ctg-id*) were reversed. Select the same primary storage system (*primary-storage-name*) and secondary storage system (*secondary-storage-name*) as that of the selected consistency group.	*Cause* - *Action* Select the same primary storage system (*primary-storage-name*) and secondary storage system (*secondary-storage-name*) as that of the selected consistency group.
KAIC18683-E	Because the consistency group (CTG ID = *ctg-id*) is already being used in the virtual storage machine (*virtual-storage-machine*), the consistency group cannot be used for a global-active device pair of another virtual storage machine. The global-active device pairs of different virtual storage machines cannot be registered in the same consistency group. Select a consistency group that is not being used, or create a global-active device pair in the virtual storage machine.	*Cause* The global-active device pairs of different virtual storage machines cannot be registered in the same consistency group. *Action* Select a consistency group that is not being used, or create a global-active device pair in the virtual storage machine.
KAIC18684-E	Because the Quorum disk (*quorumdiskid*) that is set for the pair of the consistency group (CTG ID = *ctg-id*) is not selected, no global-active device pair can be created. A global-active device pair for which a different Quorum disk is set cannot be registered in the same consistency group. Select the Quorum disk ID that is set for the pairs of the selected consistency group.	*Cause* A global-active device pair for which a different Quorum disk is set cannot be registered in the same consistency group. *Action* Select the Quorum disk ID that is set for the pairs of the selected consistency group.
KAIC18685-E	The global-active device pair cannot be deleted. A Universal Replicator pair volume is included. To delete the global-active device pair, first delete the Universal Replicator pair that is using the volume (*ldev-ids*).	*Cause* A Universal Replicator pair volume is included. *Action* To delete the global-active device pair, first delete the Universal Replicator pair that is using the volume (*ldev-ids*).

Message ID	Message Text	Description
KAIC18686-E	The primary and secondary storage systems of a global-active device pair belonging to the selected consistency group (CTG ID = *ctg-id*) were reversed. A reversed global-active device pair cannot be added to the same consistency group. Select another CTG ID, and then try again.	*Cause* A reversed global-active device pair cannot be added to the same consistency group. *Action* Select another CTG ID, and then try again.
KAIC18687-E	The consistency group (CTG ID = *ctg-id*) has already been used in virtual storage machine (*virtualstoragemachine*), the same ID cannot be reused for the global-active device pair of other virtual storage machines. global-active device pairs of different virtual storage machines cannot be registered in the same consistency group. Select another CTG ID, and then try again.	*Cause* global-active device pairs of different virtual storage machines cannot be registered in the same consistency group. *Action* Select another CTG ID, and then try again.
KAIC18688-E	A global-active device pair volume that has capacity exceeding 4 TB cannot be created. The microcode version of the storage system (primary or secondary) (*storage-system-names*) is earlier than 80-02-20-00/00. Update the microcode version to 80-02-20-00/00 or later, or specify volumes that are no more than 4 TB (*block-size* blocks).	*Cause* The microcode version of the storage system (primary or secondary) (*storage-system-names*) is earlier than 80-02-20-00/00. *Action* Update the microcode version to 80-02-20-00/00 or later, or specify volumes that are no more than 4 TB (*block-size* blocks).
KAIC18690-E	Failed to connect to the maintenance utility. (error code=*error-code-which-was-returned-from-gum-server-or-http-status-code.*, maintenance information=*the-error-message-which-was-returned-from-gum-server-or-http-response-messages.*) Check and, if necessary, revise the items below, execute [Edit Storage System], and then confirm that the [Enable Login Authentication] settings were applied successfully. After that, try again. - The SSL settings of the SVP and the Device Manager server - The firewall settings of the SVP, the controllers and the Device Manager server	*Cause* - *Action* Check and, if necessary, revise the items below, execute [Edit Storage System], and then confirm that the [Enable Login Authentication] settings were applied successfully. After that, try again. • The SSL settings of the SVP and the Device Manager server • The firewall settings of the SVP, the controllers and the Device Manager server • The network settings between the SVP or the controllers and the Device Manager server

Message ID	Message Text	Description
	- The network settings between the SVP or the controllers and the Device Manager server If you cannot resolve the problem, collect maintenance information, and then contact customer support.	If you cannot resolve the problem, collect maintenance information, and then contact customer support.
KAIC18698-E	Not enough LDEV IDs are available. Change the initial LDEV ID, or make more LDEV IDs available by deleting unnecessary volumes.	*Cause* - *Action* Change the initial LDEV ID, or make more LDEV IDs available by deleting unnecessary volumes.
KAIC18699-E	Not enough host group IDs are available. Make more host group IDs available by deleting unnecessary host groups. Alternatively, change the port mappings.	*Cause* - *Action* Make more host group IDs available by deleting unnecessary host groups. Alternatively, change the port mappings.
KAIC18700-E	The LDEV ID to be added (*ldev-id*) is already being used by the target storage system. To require a usable LDEV ID, return to the [1. Virtualize Volume Setting] window, and then click [Next] again.	*Cause* - *Action* To require a usable LDEV ID, return to the [1. Virtualize Volume Setting] window, and then click [**Next**] again.
KAIC18701-E	The LDEV ID to be added (*ldev-id*) is already reserved by another task. To require a usable LDEV ID, return to the [1. Virtualize Volume Setting] window, and then click [Next] again.	*Cause* - *Action* To require a usable LDEV ID, return to the [1. Virtualize Volume Setting] window, and then click [**Next**] again.
KAIC18702-E	The host group number to be added (*hostgroupno*) is already being used by the target storage system. To require a usable host group number, return to the [2. Allocate Volumes Setting] window, and then click [Next] again.	*Cause* - *Action* To require a usable host group number, return to the [2. Allocate Volumes Setting] window, and then click [**Next**] again.
KAIC18703-E	The host group number to be added (*hostgroupno*) is already reserved by another task. To require a usable host group number, return to the [2. Allocate	*Cause* - *Action* To require a usable host group number, return to the [2. Allocate

Message ID	Message Text	Description
	Volumes Setting] window, and then click [Next] again.	Volumes Setting] window, and then click [**Next**] again.
KAIC18704-E	The LDEV ID to be added (*ldev-id*) is already being used by the target storage system. To require a usable LDEV ID, return to the [1. Create Target Secondary Volumes] window, and then click [Next] again.	*Cause* - *Action* To require a usable LDEV ID, return to the [1. Create Target Secondary Volumes] window, and then click [**Next**] again.
KAIC18705-E	The LDEV ID to be added (*ldev-id*) is already reserved by another task. To require a usable LDEV ID, return to the [1. Create Target Secondary Volumes] window, and then click [Next] again.	*Cause* - *Action* To require a usable LDEV ID, return to the [1. Create Target Secondary Volumes] window, and then click [**Next**] again.
KAIC18706-E	The host group number to be added (*hostgroupno*) is already being used by the target storage system. To require a usable host group number, return to the [1. Create Target Secondary Volumes] window, and then click [Next] again.	*Cause* - *Action* To require a usable host group number, return to the [1. Create Target Secondary Volumes] window, and then click [**Next**] again.
KAIC18707-E	The host group number to be added (*hostgroupno*) is already reserved by another task. To require a usable host group number, return to the [1. Create Target Secondary Volumes] window, and then click [Next] again.	*Cause* - *Action* To require a usable host group number, return to the [1. Create Target Secondary Volumes] window, and then click [**Next**] again.
KAIC18708-E	Failed to restart the task. The LDEV ID to be added (*ldev-id*) is already being used by the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume) and then try again.	*Cause* The LDEV ID to be added (*ldev-id*) is already being used by the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume) and then try again.
KAIC18709-E	Failed to restart the task. The LDEV ID to be added (*ldev-id*) is already reserved by another task. Cancel the operation, and then run	*Cause* The LDEV ID to be added (*ldev-id*) is already reserved by another task.

Message ID	Message Text	Description
	[Virtualize and Allocate Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume) and then try again.	*Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume) and then try again.
KAIC18710-E	Failed to restart the task. The host group number to be added (*hostgroupno*) is already being used by the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The host group number to be added (*hostgroupno*) is already being used by the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18711-E	Failed to restart the task. The host group number (*hostgroupno*) to be added is already reserved by another task. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The host group number (*hostgroupno*) to be added is already reserved by another task. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18712-E	Failed to restart the task. The LDEV ID to be added (*ldev-id*) is already being used by the target storage system. Cancel the operation, and then run [Prepare Target Secondary Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume), and then try again.	*Cause* The LDEV ID to be added (*ldev-id*) is already being used by the target storage system. *Action* Cancel the operation, and then run [Prepare Target Secondary Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume), and then try again.
KAIC18713-E	Failed to restart the task. The LDEV ID to be added (*ldev-id*) is already reserved by another task. Cancel the operation, and then run [Prepare Target Secondary Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume), and then try again.	*Cause* The LDEV ID to be added (*ldev-id*) is already reserved by another task. *Action* Cancel the operation, and then run [Prepare Target Secondary Volumes] again. If you want to use the same LDEV ID, release the used LDEV ID (such as by deleting the volume), and then try again.

Message ID	Message Text	Description
KAIC18714-E	Failed to restart the task. The host group number to be added (*hostgroupno*) is already being used by the target storage system. Cancel the operation, and then run [Prepare Target Secondary Volumes] again.	*Cause* The host group number to be added (*hostgroupno*) is already being used by the target storage system. *Action* Cancel the operation, and then run [Prepare Target Secondary Volumes] again.
KAIC18715-E	Failed to restart the task. The host group number to be added (*hostgroupno*) is already reserved by another task. Cancel the operation, and then run [Prepare Target Secondary Volumes] again.	*Cause* The host group number to be added (*hostgroupno*) is already reserved by another task. *Action* Cancel the operation, and then run [Prepare Target Secondary Volumes] again.
KAIC18716-W	The selected resource group contains no pool. Cancel the operation and check the resource group.	*Cause* - *Action* -
KAIC18717-E	No usable iSCSI target numbers for port "*port-name*". Register additional iSCSI target numbers in the resource group.	*Cause* - *Action* Register additional iSCSI target numbers in the resource group.
KAIC18718-E	The specified path cannot be assigned to the port "*storage-port-name*". You do not have permission for the iSCSI target number "*host-group-number*". Register the iSCSI target number "*host-group-number*" in a resource group.	*Cause* You do not have permission for the iSCSI target number "*host-group-number*". *Action* Register the iSCSI target number "*host-group-number*" in a resource group.
KAIC18719-E	The global-active device pair volume could not be allocated. Either the selected volumes are of different types, or both an internal volume and an external volume are selected. Specify volumes that are of the same type. In addition, be sure to specify only internal volumes or only external volumes.	*Cause* Either the selected volumes are of different types, or both an internal volume and an external volume are selected. *Action* Specify volumes that are of the same type. In addition, be sure to specify only internal volumes or only external volumes.

Message ID	Message Text	Description
KAIC18720-E	Basic volumes cannot be allocated as global-active device pair volumes. The storage system (*storage-system-names*) does not support this operation. Upgrade the microcode version, or select DP volumes.	*Cause* The storage system (*storage-system-names*) does not support this operation. *Action* Upgrade the microcode version, or select DP volumes.
KAIC18721-W	Do not use a configuration where both internal and external volumes are used as HDP pool volumes.	*Cause* - *Action* -
KAIC18722-W	If you are using an external volume as the HDP pool volume, then do not use a configuration that includes external volumes for which the cache mode is both disabled and enabled.	*Cause* - *Action* -
KAIC18723-E	The selected volumes "*ldev-id*" cannot be used for this operation The selected volumes are GAD Reserved Volumes. Select different volumes.	*Cause* The selected volumes are GAD Reserved Volumes. *Action* Select different volumes.
KAIC18724-E	All the selected volumes do not belong to the same storage system. Select volumes that belong to the same storage system.	*Cause* - *Action* Select volumes that belong to the same storage system.
KAIC18725-I	SLUs are not included in the analysis. The settings for the connection to the VVol management server are incomplete.	*Cause* The settings for the connection to the VVol management server are incomplete. *Action* -
KAIC18726-W	SLUs are not included in the analysis. The directory (*directorypathname*) containing the settings for the connection to the VVol management server could not be accessed. Verify that the directory is accessible.	*Cause* The directory (*directorypathname*) containing the settings for the connection to the VVol management server could not be accessed. *Action* Verify that the directory is accessible.
KAIC18727-W	SLUs are not included in the analysis. The virtualization server information is not current. Refresh the virtualization server in either	*Cause* The virtualization server information is not current.

Message ID	Message Text	Description
	the [Resources] tab or [Administration] tab, and then try again.	*Action* Refresh the virtualization server in either the [**Resources**] tab or [Administration] tab, and then try again.
KAIC18728-W	SLUs might not be included in the results of the analysis. Unable to obtain data from the management server for VVols. (command for connections=*command-filepath-name*, return code=*return-code*, error message=*error-message*) Confirm the contents of the error message, then change the connection settings of the management server for VVols. If you cannot resolve the problem, a detailed investigation to determine the cause of the problem is required. Collect the error information and contact customer support.	*Cause* Unable to obtain data from the management server for VVols. (command for connections=*command-filepath-name*, return code=*return-code*, error message=*error-message*) *Action* Confirm the contents of the error message, then change the connection settings of the management server for VVols. If you cannot resolve the problem, a detailed investigation to determine the cause of the problem is required. Collect the error information and contact customer support.
KAIC18729-W	SLUs might not be included in the results of the analysis. Unable to obtain data from the management server for VVols. (command for connections=*command-filepath-name*, return code=*return-code*, error message=*error-message*) Confirm the contents of the error message, then change the connection settings of the management server for VVols. If you cannot resolve the problem, a detailed investigation to determine the cause of the problem is required. Collect the error information and contact customer support.	*Cause* Unable to obtain data from the management server for VVols. (command for connections=*command-filepath-name*, return code=*return-code*, error message=*error-message*) *Action* Confirm the contents of the error message, then change the connection settings of the management server for VVols. If you cannot resolve the problem, a detailed investigation to determine the cause of the problem is required. Collect the error information and contact customer support.
KAIC18730-W	Some SLUs are not included in the analysis. The storage system information might not be up to date. (storage system names = *storage-system-names*) Refresh the storage systems, and then retry the operation.	*Cause* The storage system information might not be up to date. (storage system names = *storage-system-names*) *Action* Refresh the storage systems, and then retry the operation.

Message ID	Message Text	Description
KAIC18731-W	SLUs might not be included in the results of the analysis. The storage systems might not be registered in Device Manager. (storage system serial numbers = *serial-numbers*) Add the storage systems, and then retry the operation.	*Cause* The storage systems might not be registered in Device Manager. (storage system serial numbers = *serial-numbers*) *Action* Add the storage systems, and then retry the operation.
KAIC18732-W	SLUs are not included in the analysis. The temporary file could not be created. Verify that the destination (*temporary-file-path-name*) for storing temporary files is accessible.	*Cause* The temporary file could not be created. *Action* Verify that the destination (*temporary-file-path-name*) for storing temporary files is accessible.
KAIC18733-W	An unexpected error occurred. Maintenance information = *maintenance-information* If this problem persists, then it will be necessary to investigate its cause. You will need to collect the error information, then contact customer support.	*Cause* Maintenance information = *maintenance-information* *Action* If this problem persists, then it will be necessary to investigate its cause. You will need to collect the error information, then contact customer support.
KAIC18734-E	The volumes cannot be unallocated. An ALU (*volumes*) is included in the volumes. Delete the LUN paths of the ALU from Device Manager - Storage Navigator, and then try again.	*Cause* An ALU (*volumes*) is included in the volumes. *Action* Delete the LUN paths of the ALU from Device Manager - Storage Navigator, and then try again.
KAIC18735-E	You do not have permissions to set up Protocol Endpoint Volumes. Ask the system administrator to check and, if necessary, revise your user profile.	*Cause* - *Action* Ask the system administrator to check and, if necessary, revise your user profile.
KAIC18736-E	It is not possible to perform the task because another operation has reserved the storage container (*storage-container-name*). After the other tasks that use the storage container have completed, try the procedure again.	*Cause* - *Action* After the other tasks that use the storage container have completed, try the procedure again.

Message ID	Message Text	Description
KAIC18737-W	Storage ports might not be included in the results of the analysis. The binding ALU port of target SLUs cannot be identified. The specified virtual machine might not have started. If you want to include the storage port in the analysis, then start the specified virtual machine and refresh the storage systems. Afterward, repeat the task. (storage system name=*storage-system-names*)	*Cause* The binding ALU port of target SLUs cannot be identified. The specified virtual machine might not have started. *Action* If you want to include the storage port in the analysis, then start the specified virtual machine and refresh the storage systems. Afterward, repeat the task. (storage system name=*storage-system-names*)
KAIC18738-W	SLUs might not be included in the results of the analysis. The password used for connecting to the management server for VVols could not be loaded. It is possible that the JRE specified for setting the password is different than the JRE that is used to connect to the management server for VVols. (command for connections=*command-filepath-name*, JRE path=*jre-path-name*) Assign the password by using the JRE specified in the hdvm_cli_jre_path file, and then retry the task.	*Cause* The password used for connecting to the management server for VVols could not be loaded. It is possible that the JRE specified for setting the password is different than the JRE that is used to connect to the management server for VVols. (command for connections=*command-filepath-name*, JRE path=*jre-path-name*) *Action* Assign the password by using the JRE specified in the `hdvm_cli_jre_path` file, and then retry the task.
KAIC18739-W	SLUs might not be included in the results of the analysis. Unable to connect to the management server for VVols. The user ID (or password) that is used to connect to the management server for VVols might be incorrect. Change the user ID that is specified in the CLI properties for the connections to the management server for VVols, and reassign the password. Then, try again. (property file=*hicommandcli-property-file-path-name*)	*Cause* Unable to connect to the management server for VVols. The user ID (or password) that is used to connect to the management server for VVols might be incorrect. *Action* Change the user ID that is specified in the CLI properties for the connections to the management server for VVols, and reassign the password. Then, try again. (property file=*hicommandcli-property-file-path-name*)
KAIC18740-W	SLUs might not be included in the results of the analysis. Unable to connect to the management server for VVols using SSL. The specified JRE cannot be used for the SSL connections. The JRE path specified in the hdvm_cli_jre_path	*Cause* Unable to connect to the management server for VVols using SSL. The specified JRE cannot be used for the SSL connections. The JRE path

Message ID	Message Text	Description
	file might be incorrect. (command for connections=*command-filepath-name*, JRE path=*jre-path-name*) Change the settings of the hdvm_cli_jre_path file, and then try again.	specified in the `hdvm_cli_jre_path` file might be incorrect. (command for connections=*command-filepath-name*, JRE path=*jre-path-name*) *Action* Change the settings of the `hdvm_cli_jre_path` file, and then try again.
KAIC18741-W	SLUs might not be included in the results of the analysis. It is possible that no connections to the management server for VVols could be established. The following JRE path is used to obtain the JRE path from the hdvm_cli_jre_path file. (specified JRE path=*specific-jre-path-name*, used JRE path=*applied-jre-path-name*, maintenance information=*maintenance-information*) Change the access permissions and the settings of the hdvm_cli_jre_path file.	*Cause* It is possible that no connections to the management server for VVols could be established. The following JRE path is used to obtain the JRE path from the `hdvm_cli_jre_path` file. (specified JRE path=*specific-jre-path-name*, used JRE path=*applied-jre-path-name*, maintenance information=*maintenance-information*) *Action* Change the access permissions and the settings of the `hdvm_cli_jre_path` file.
KAIC18742-W	SLUs might not be included in the results of the analysis. Data cannot be obtained from the management server for VVols because the output property might be configured. Check the property file of the CLI for the connections to the management server for VVols. (property file=*hicommandcli-property-file-path-name*) Delete the output property, if it exists, and then try again. If you cannot resolve the problem, collect the error information and contact customer support.	*Cause* Data cannot be obtained from the management server for VVols because the output property might be configured. *Action* Check the property file of the CLI for the connections to the management server for VVols. (property file=*hicommandcli-property-file-path-name*) Delete the output property, if it exists, and then try again. If you cannot resolve the problem, collect the error information and contact customer support.
KAIC18743-W	SLUs might not be included in the results of the analysis. Unable to connect to the management server for VVols. Change the URL that is specified in the CLI properties for the connections to the management server for VVols. Then, try again. (property file=*hicommandcli-property-file-path-name*)	*Cause* Unable to connect to the management server for VVols. *Action* Change the URL that is specified in the CLI properties for the connections to the management server for VVols. Then, try again.

Message ID	Message Text	Description
		(property file=*hicommandcli-property-file-path-name*)
KAIC18744-E	The selected storage system (*storagesystemname*) does not support this operation. Select a different storage system, or use the latest microcode version for the storage system.	*Cause* - *Action* Select a different storage system, or use the latest microcode version for the storage system.
KAIC18745-W	*path* paths cannot automatically be set as secondary paths. The ports might not exist on the host or storage system, or you might not have access permissions to a storage port. Change the storage port settings. If you do not have access permissions to the storage port, ask the system administrator to grant you permissions.	*Cause* The ports might not exist on the host or storage system, or you might not have access permissions to a storage port. *Action* Change the storage port settings. If you do not have access permissions to the storage port, ask the system administrator to grant you permissions.
KAIC18746-W	The paths cannot be set automatically. A host that has FC ports and a host that has iSCSI ports are selected. Unify to either FC or iSCSI protocols for global-active device paths.	*Cause* A host that has FC ports and a host that has iSCSI ports are selected. *Action* Unify to either FC or iSCSI protocols for global-active device paths.
KAIC18747-E	All the DP pool volumes cannot be deleted from tier 1 of a DP pool for which active flash is enabled. Close the dialog box, and then select different volumes. Alternatively, use Device Manager - Storage Navigator to disable active flash, and then try again.	*Cause* - *Action* Close the dialog box, and then select different volumes. Alternatively, use Device Manager - Storage Navigator to disable active flash, and then try again.
KAIC18748-E	It is not possible to create a global-active device pair volume with a capacity that exceeds 60 TB. The microcode version of the storage system (primary or secondary) (*storage-system-names*) is earlier than *microcode-version*. Update the microcode version to *microcode-version* or later, or specify volumes that do not exceed 60 TB (*block-size* blocks).	*Cause* The microcode version of the storage system (primary or secondary) (*storage-system-names*) is earlier than *microcode-version*. *Action* Update the microcode version to *microcode-version* or later, or specify volumes that do not exceed 60 TB (*block-size* blocks).
KAIC18749-E	Resources of the selected source storage system cannot be used for	*Cause*

Message ID	Message Text	Description
	nondisruptive migration. The source storage system contains resource groups that have been assigned virtual IDs from another migration project. Delete the resource groups, and then try migrating the data.	The source storage system contains resource groups that have been assigned virtual IDs from another migration project. *Action* Delete the resource groups, and then try migrating the data.
KAIC18750-E	Resources of the selected source storage system cannot be used for nondisruptive migration. The source storage system contains user-defined resource groups. Delete the user-defined resource groups, and they try migrating the data. After data migration is complete, create the necessary resource groups.	*Cause* The source storage system contains user-defined resource groups. *Action* Delete the user-defined resource groups, and they try migrating the data. After data migration is complete, create the necessary resource groups.
KAIC18751-E	The VASA Provider could not be found. The VASA Provider might have been deleted. Cancel the task and then check if the VASA Provider exists.	*Cause* The VASA Provider might have been deleted. *Action* Cancel the task and then check if the VASA Provider exists.
KAIC18752-E	Unable to retrieve data about servers or clusters that can be used to create storage containers (details = *detail-information*). Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18753-E	Unable to retrieve data about servers or clusters that can be used to create storage containers (details = *detail-information*).	*Cause* - *Action* -
KAIC18754-E	Servers or clusters that can be used to create storage containers could not be found. Cancel the task. Using the VASA Provider, add a server or cluster, and then try again.	*Cause* - *Action* Cancel the task. Using the VASA Provider, add a server or cluster, and then try again.

Message ID	Message Text	Description
KAIC18755-E	Unable to retrieve capability schema information (details = *detail-information*). Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18756-E	Unable to retrieve capability schema information (details = *detail-information*).	*Cause* - *Action* -
KAIC18757-E	Unable to retrieve information about the file systems that an be added to the storage container (details = *detail-information*). Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18758-E	Unable to retrieve information about the file systems that an be added to the storage container (details = *detail-information*).	*Cause* - *Action* -
KAIC18759-E	There are no file systems that can be added to the storage container. Cancel the task. Add a file system, or specify a different server or cluster.	*Cause* - *Action* Cancel the task. Add a file system, or specify a different server or cluster.
KAIC18760-E	Unable to retrieve information about one or more selected file systems (details = *detail-information*). Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support	*Cause* - *Action* Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the

Message ID	Message Text	Description
	Center, who may ask you to collect troubleshooting information.	Support Center, who may ask you to collect troubleshooting information.
KAIC18761-E	Unable to retrieve information about one or more selected file systems (details = *detail-information*).	*Cause* - *Action* -
KAIC18762-E	The storage container could not be created. (details = *detail-information*) If a storage container is created as a result of this task, delete it and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* If a storage container is created as a result of this task, delete it and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18763-E	Unable to retrieve information about the selected storage container (details = *detail-information*). Cancel the task, and then check if the selected storage container exists. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Cancel the task, and then check if the selected storage container exists. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18764-E	Unable to retrieve information about the selected storage container (details = *detail-information*).	*Cause* - *Action* -
KAIC18765-E	The storage container could not be edited. (details = *detail-information*) Check if the storage container to be edited exists, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Check if the storage container to be edited exists, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIC18766-E	Unable to retrieve information about one or more storage containers. (storage containers = *detail-information*) Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Cancel the task and verify the VASA Provider status. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18767-E	Unable to retrieve information about one or more storage containers. (storage containers = *detail-information*)	*Cause* - *Action* -
KAIC18768-E	The storage container could not be deleted. (details = *detail-information*) Check if the storage container to be edited exists, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Check if the storage container to be edited exists, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18769-E	The storage container could not be deleted. (details = *detail-information*) One or more virtual machines exist in the storage container. Delete one or more virtual machines in the storage container, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* One or more virtual machines exist in the storage container. *Action* Delete one or more virtual machines in the storage container, and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18770-E	One or more storage containers could not be deleted. Check the [Message] column of the [Storage Containers] table, and then follow the instructions in the message to resolve the error.	*Cause* - *Action* Check the [**Message**] column of the [**Storage Containers**] table, and then follow the instructions in the message to resolve the error.

Message ID	Message Text	Description
KAIC18772-E	Unable to retrieve information about the selected storage container. (storage containers = *scnamelist*) The storage containers might have been deleted. Cancel the task, and then check if the selected storage container exists. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* The storage containers might have been deleted. *Action* Cancel the task, and then check if the selected storage container exists. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18773-E	No more than one VASA Provider can be added. Verify the VASA Provider.	*Cause* - *Action* Verify the VASA Provider.
KAIC18774-E	The VASA Provider could not be added. (details = *detail-information*)	*Cause* - *Action* -
KAIC18775-E	The VASA Provider could not be added. (details = *detail-information*) Check the status of the VASA Provider and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Check the status of the VASA Provider and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18776-E	The task cannot be performed for VASA Provider (Block Storage). Select a VASA Provider (File Storage).	*Cause* - *Action* Select a VASA Provider (File Storage).
KAIC18777-E	The VASA Provider could not be edited. (details = *detail-information*)	*Cause* - *Action* -
KAIC18778-E	The VASA Provider could not be edited. (details = *detail-information*) Check the status of	*Cause* - *Action*

Message ID	Message Text	Description
	the VASA Provider and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	Check the status of the VASA Provider and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18779-E	The VASA Provider could not be deleted. (details = *detail-information*)	*Cause* - *Action* -
KAIC18780-E	The VASA Provider could not be deleted. (details = *detail-information*) Check the status of the VASA Provider and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Check the status of the VASA Provider and then try again. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC18781-E	Unable to reclaim the zero pages. The host mode option (*hostmodeoption-name*) of the host group or iSCSI target (*host-group-name-or-iscsi-target-name*) is enabled for a selected volume (*ldev-id*). If necessary, disable the host mode option (*hostmodeoption-name*), and then try again.	*Cause* The host mode option (*hostmodeoption-name*) of the host group or iSCSI target (*host-group-name-or-iscsi-target-name*) is enabled for a selected volume (*ldev-id*). *Action* If necessary, disable the host mode option (*hostmodeoption-name*), and then try again.
KAIC18790-E	Failed to send an email notification. Detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information, and then contact customer support.	*Cause* - *Action* Detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information, and then contact customer support.
KAIC18791-E	Failed to send an email notification. Detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting	*Cause* - *Action*

Message ID	Message Text	Description
	information, and then contact customer support.	Detailed investigation might be required to determine the cause and resolve the problem. Collect the troubleshooting information, and then contact customer support.
KAIC18792-E	Failed to read the template file. (template file = *file-name*) In the email template "*file-name*", the blank line that indicates the end of the header is missing. Insert a blank line between the header and the body of the email.	*Cause* In the email template "*file-name*", the blank line that indicates the end of the header is missing. *Action* Insert a blank line between the header and the body of the email.
KAIC18793-E	Failed to read the template file. (template file = *file-name*) The email template "*file-name*" was not found. Add the template in the designated directory.	*Cause* The email template "*file-name*" was not found. *Action* Add the template in the designated directory.
KAIC18794-E	Failed to read a template file. (template file = *file-name*) The email template "*file-name*" is too large. (file size of the template = *1-file-size*, maximum file size = *max-file-size*) Revise the content to reduce the file size.	*Cause* The email template "*file-name*" is too large. (file size of the template = *1-file-size*, maximum file size = *max-file-size*) *Action* Revise the content to reduce the file size.
KAIC18795-E	Failed to read a template file. (template file = *file-name*) The length of the line *line-number* in the email template "*file-name*" is too long. (detected length in bytes = *line-length*, maximum length in bytes = *max-line-length*) Revise the content of the template file to shorten the length of the line that exceeded the limit.	*Cause* The length of the line *line-number* in the email template "*file-name*" is too long. (detected length in bytes = *line-length*, maximum length in bytes = *max-line-length*) *Action* Revise the content of the template file to shorten the length of the line that exceeded the limit.
KAIC18796-E	Failed to read a template file. (template file = *file-name*) The email template "*file-name*" contains an invalid line in the header. Use a colon (:) to separate "Subject" from the subject of the email. (line number = *line-number*) Make sure that a colon (:) is used as a delimiter in the line where the error occurred.	*Cause* The email template "*file-name*" contains an invalid line in the header. Use a colon (:) to separate "Subject" from the subject of the email. (line number = *line-number*) *Action* Make sure that a colon (:) is used as a delimiter in the line where the error occurred.

Message ID	Message Text	Description
KAIC18797-E	Failed to read a template file. (template file = *file-name*) The header information is missing from the email template "*file-name*". Revise the header information.	*Cause* The header information is missing from the email template "*file-name*". *Action* Revise the header information.
KAIC18798-E	The volume cannot be allocated as a global-active device pair volume because the LUN path is configured to use iSCSI ports. Select FC port.	*Cause* - *Action* Select FC port.
KAIC18799-E	This task cannot be performed on resources for which the Data Direct Mapping attribute is enabled (resource = [*resource-name*]). Select another resource, or try again using Device Manager - Storage Navigator.	*Cause* - *Action* Select another resource, or try again using Device Manager - Storage Navigator.
KAIC18800-E	You cannot create volumes for the DP pools enabled for Data Direct Mapping (DP pool = [*DP-pool-names*]). Select another DP pool.	*Cause* - *Action* Select another DP pool.
KAIC18801-E	You cannot shred the external volumes enabled for Data Direct Mapping.	*Cause* - *Action* -
KAIC18802-E	You cannot set capability profiles for the DP Pools enabled for Data Direct Mapping (DP pool: [*DP-pool-names*]). Use another DP pool.	*Cause* - *Action* Use another DP pool.
KAIC18803-I	Only the pool name can be changed because the Data Direct Mapping attribute is enabled for the DP pool. (DP pool = *DP-pool-name*)	*Cause* - *Action* -
KAIC18804-E	The following settings cannot be changed for volumes enabled for Data Direct Mapping (volume = *ldev-ids*): (1) Full Allocation (2) CLPR for DP Volume (3) Command device settings (4) Settings for secondary volumes of global-active device	*Cause* - *Action* If necessary, select a different volume, and then try again.

Message ID	Message Text	Description
	If necessary, select a different volume, and then try again.	
KAIC18805-E	This task cannot be performed on the specified volumes (*volumes*) at the same time because their ALUA attributes are different. Select volumes with the same ALUA attribute.	*Cause* - *Action* Select volumes with the same ALUA attribute.
KAIC18806-E	This task cannot be performed on the specified volumes (*volumes*) because their ALUA attributes are disabled. The Asymmetric Access State of the host group is "Active/Non-Optimized". Enable ALUA. Change the ALUA attribute in the Edit LUN dialog box, and then try again.	*Cause* The Asymmetric Access State of the host group is "Active/Non-Optimized". *Action* Enable ALUA. Change the ALUA attribute in the Edit LUN dialog box, and then try again.
KAIC18807-E	Unable to change the ALUA attribute of the selected global-active device pair volume (*ldev-id*) because the volume belongs to a copy pair that has not been split. Split the copy pair, and then try again.	*Cause* - *Action* Split the copy pair, and then try again.
KAIC18808-E	You cannot virtualize the specified volumes, because the volumes have a capacity that is outside the valid range for virtualization in Device Manager. (volumes = [*ldev-ids*], minimum capacity = *minimum-capacity-(unit-of-measure)*, maximum capacity = *maximum-capacity-(unit-of-measure)*) Select other volumes. Alternatively, use Device Manager - Storage Navigator to virtualize the volumes whose capacity exceeds the limit with the Data Direct Mapping attribute enabled.	*Cause* - *Action* Select other volumes. Alternatively, use Device Manager - Storage Navigator to virtualize the volumes whose capacity exceeds the limit with the Data Direct Mapping attribute enabled.
KAIC18809-E	Data could not be acquired from the database. The database is not running properly. Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact customer support.	*Cause* The database is not running properly. *Action* Verify whether the server has started. If it has not, start it. If the server has started, an internal error might have occurred. Contact customer support.
KAIC18811-E	An unexpected error occurred. Retry the operation. If the error occurs repeatedly, detailed investigation is required to	*Cause* - *Action*

Message ID	Message Text	Description
	determine the cause and to resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.	Retry the operation. If the error occurs repeatedly, detailed investigation is required to determine the cause and to resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAIC18813-E	Failed to read the request body. Check the specified request body, then try again.	*Cause* - *Action* Check the specified request body, then try again.
KAIC18815-E	An HTTP header (the Authorization header) required for authentication is not specified. Specify the values required for the Authorization header.	*Cause* - *Action* Specify the values required for the Authorization header.
KAIC18817-E	The user ID or password is incorrect. Check the entered user ID and password, and then enter them correctly. Review the user's permissions as an administrator, and then grant the appropriate permission.	*Cause* - *Action* Check the entered user ID and password, and then enter them correctly. Review the user's permissions as an administrator, and then grant the appropriate permission.
KAIC18819-E	An invalid key is specified in the GET parameter. (key = *key-name*) Check the specified GET parameters, then try again.	*Cause* - *Action* Check the specified `GET` parameters, then try again.
KAIC18821-E	The length of a value specified in the GET parameter is invalid. (key = *key*, value = *value*) Valid the length of GET parameter's value.	*Cause* - *Action* Valid the length of `GET` parameter's value.
KAIC18823-E	A value specified in the GET parameter is invalid. (key = *key*, value = *value*) Valid the GET parameter's value.	*Cause* - *Action* Valid the `GET` parameter's value.
KAIC18825-E	No valid license was found. Register a valid license key.	*Cause* - *Action* Register a valid license key.

Message ID	Message Text	Description
KAIC18828-E	The task cannot be performed because a storage system for the operation was not found. Check the status of the storage system.	*Cause* - *Action* Check the status of the storage system.
KAIC18829-W	The target storage port (*port*) is being used by both the LUN path and the external path. For this reason, during data migration, the I/O load on the port might increase and degrade performance. We recommend using different target storage ports for the LUN path and the external path.	*Cause* - *Action* We recommend using different target storage ports for the LUN path and the external path.
KAIC18830-E	A volume with the specified capacity could not be created because Accelerated Compression is enabled for the associated parity group, "*parity-group-names*". Specify the capacity in the range from *minimum-capacity* to *maximum-capacity*, or specify a different parity group.	*Cause* - *Action* Specify the capacity in the range from *minimum-capacity* to *maximum-capacity*, or specify a different parity group.
KAIC18831-I	Because Accelerated Compression is enabled in the parity group, "*parity-group-names*", a quick format could not be performed for the volume to be created in that parity group. Instead, a normal format will be performed.	*Cause* - *Action* -
KAIC18832-E	A volume could not be allocated because Accelerated Compression is enabled for the selected parity group, "*parity-group-names*". Select a different parity group.	*Cause* - *Action* Select a different parity group.
KAIC18833-E	The selected volume, "*ldev-ids*", could not be allocated because Accelerated Compression is enabled for the volume's associated parity group, "*parity-group-names*". Select a volume that is in a different parity group.	*Cause* - *Action* Select a volume that is in a different parity group.
KAIC18834-W	Accelerated Compression is enabled for the selected parity groups(*parity-group-names*). If the saving rate is known or can be predicted, you can use pool volumes in addition to the physical capacity of the parity group.	*Cause* - *Action* For details, see the Provisioning Guide for Open Systems or the Provisioning Guide.

Message ID	Message Text	Description
	If the saving rate is unknown or cannot be predicted, use pool volumes that are equivalent to the size of the physical capacity of the parity group. For details, see the Provisioning Guide for Open Systems or the Provisioning Guide.	
KAIC18835-W	No available physical capacity exists for the selected parity group (*parity-group-names*). Either create free space that is equivalent to the physical capacity for the selected parity group, or select a volume that is in a different parity group.	*Cause* - *Action* Either create free space that is equivalent to the physical capacity for the selected parity group, or select a volume that is in a different parity group.
KAIC18836-E	The selected parity groups, "*parity-group-names*", cannot be used. Accelerated Compression is enabled and another pool is being used. Select a different parity group.	*Cause* Accelerated Compression is enabled and another pool is being used. *Action* Select a different parity group.
KAIC18837-E	The selected volumes, "*ldev-ids*", cannot be used. The selected volume belongs to the parity group, "*parity-group-names*", for which Accelerated Compression is enabled. Also, another pool uses the same parity group. Select a volume that is in a different parity group.	*Cause* The selected volume belongs to the parity group, "*parity-group-names*", for which Accelerated Compression is enabled. Also, another pool uses the same parity group. *Action* Select a volume that is in a different parity group.
KAIC18838-I	When a volume in a pool is configured from parity groups for which Accelerated Compression is enabled, full volume allocation will be disabled. (volume = *ldev-ids*)	*Cause* - *Action* -
KAIC18839-I	When a volume in a pool is configured from parity groups for which Accelerated Compression is enabled, full volume allocation will be disabled. (pool = *pool-id*)	*Cause* - *Action* -
KAIC18840-E	Data could not be shredded for a volume in a parity group because Accelerated Compression is enabled for the parity group.	*Cause* - *Action* -
KAIC18841-E	The task could not be completed because the pair status of GAD is not "PAIR". A problem might have	*Cause* A problem might have occurred on a quorum disk or remote path.

Message ID	Message Text	Description
	occurred on a quorum disk or remote path. Refer to the Replication Manager manual for information about resolving the issue.	*Action* Refer to the Replication Manager manual for information about resolving the issue.
KAIC18842-E	Failed to restart the task. The LDEV ID (*ldev-id*) to be added is already used by a resource group on the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again. To use the same LDEV ID, release the used LDEV ID by deleting it from the resource group, and then try again.	*Cause* The LDEV ID (*ldev-id*) to be added is already used by a resource group on the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again. To use the same LDEV ID, release the used LDEV ID by deleting it from the resource group, and then try again.
KAIC18843-E	Failed to restart the task. The host group number (*hostgroupno*) to be added is already used by a resource group on the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again. To use the same host group number, release the used host group number by deleting it from the resource group, and then try again.	*Cause* The host group number (*hostgroupno*) to be added is already used by a resource group on the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again. To use the same host group number, release the used host group number by deleting it from the resource group, and then try again.
KAIC18844-E	Failed to restart the task. The LUN (*lun*) to be used in [External Path Settings] is already used by the source storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The LUN (*lun*) to be used in [External Path Settings] is already used by the source storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18845-E	Failed to restart the task. The LUN (*lun*) to be used in [External Path Settings] is already reserved by another task. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The LUN (*lun*) to be used in [External Path Settings] is already reserved by another task. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18846-E	Failed to restart the task. A source volume (*source-volume*) LDEV ID is already assigned as a virtual ID	*Cause*

Message ID	Message Text	Description
	to a volume in the target storage system. Cancel the operation, remove the virtual IDs from the volumes in the target storage system, and then run [Virtualize and Allocate Volumes] again.	A source volume (*source-volume*) LDEV ID is already assigned as a virtual ID to a volume in the target storage system. *Action* Cancel the operation, remove the virtual IDs from the volumes in the target storage system, and then run [Virtualize and Allocate Volumes] again.
KAIC18848-E	Failed to restart the task. The source volume (*source-volume*) is already virtualized in the target storage system. Cancel the operation, unvirtualize the volume for the source volume, and then run [Virtualize and Allocate Volumes] again.	*Cause* The source volume (*source-volume*) is already virtualized in the target storage system. *Action* Cancel the operation, unvirtualize the volume for the source volume, and then run [Virtualize and Allocate Volumes] again.
KAIC18849-E	Failed to restart the task. The LDEV ID (*ldev-id*) to be used in [Virtualize Source Volumes] is already used by the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The LDEV ID (*ldev-id*) to be used in [Virtualize Source Volumes] is already used by the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18850-E	Failed to restart the task. The parity group name (*parity-group-name*) to be used in [Virtualize Source Volumes] is already used by the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The parity group name (*parity-group-name*) to be used in [Virtualize Source Volumes] is already used by the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18851-E	Failed to restart the task. The host group number (*hostgroupno*) to be used in [Allocate Target Volumes] is already used by the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The host group number (*hostgroupno*) to be used in [Allocate Target Volumes] is already used by the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.

Message ID	Message Text	Description
KAIC18852-E	Failed to restart the task. The host group number (*hostgroupno*) to be used in [Allocate Target Volumes] is already reserved by another task. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The host group number (*hostgroupno*) to be used in [Allocate Target Volumes] is already reserved by another task. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18853-E	Failed to restart the task. The host group name (*hostgroupname*) to be used in [Allocate Target Volumes] is already used by the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The host group name (*hostgroupname*) to be used in [Allocate Target Volumes] is already used by the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18854-E	Failed to restart the task. The host group name (*hostgroupname*) to be used in [Allocate Target Volumes] is already reserved by another task. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The host group name (*hostgroupname*) to be used in [Allocate Target Volumes] is already reserved by another task. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18855-E	Failed to restart the task. The WWN (*wwn*) to be added to host group of port (*port*) in [Allocate Target Volumes] is already added to another host group of the same port. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The WWN (*wwn*) to be added to host group of port (*port*) in [Allocate Target Volumes] is already added to another host group of the same port. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18856-E	Failed to restart the task. The LUN (*lun*) to be used in [Allocate Target Volumes] is already used by the target storage system. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The LUN (*lun*) to be used in [Allocate Target Volumes] is already used by the target storage system. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.

Message ID	Message Text	Description
KAIC18857-E	Failed to restart the task. The LUN (*lun*) to be used in [Allocate Target Volumes] is already reserved by another task. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The LUN (*lun*) to be used in [Allocate Target Volumes] is already reserved by another task. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18858-E	The task status could not be changed. Now that the process for this step is complete, manually change the job status to [Completed (Manually recover)], and then continue to the next step.	*Cause* - *Action* Now that the process for this step is complete, manually change the job status to [Completed (Manually recover)], and then continue to the next step.
KAIC18859-E	Failed to restart the task. The host group number (*hostgroupno*) to be used in [Allocate Target Volumes] is already used by another host group. Cancel the operation, and then run [Virtualize and Allocate Volumes] again.	*Cause* The host group number (*hostgroupno*) to be used in [Allocate Target Volumes] is already used by another host group. *Action* Cancel the operation, and then run [Virtualize and Allocate Volumes] again.
KAIC18860-E	Failed to restart the task. Among the host groups that were created in [Allocate Target Volumes], at least one host group was not created. Check the troubleshooting information for Nondisruptive Migration User Guide, and then complete the recommended procedure.	*Cause* Among the host groups that were created in [Allocate Target Volumes], at least one host group was not created. *Action* Check the troubleshooting information for Nondisruptive Migration User Guide, and then complete the recommended procedure.
KAIC18861-E	Failed to restart the task. Among the LUNs that were added to [Allocate Target Volumes], at least one LUN was not created. Check the troubleshooting information for Nondisruptive Migration User Guide, and then complete the recommended procedure.	*Cause* Among the LUNs that were added to [Allocate Target Volumes], at least one LUN was not created. *Action* Check the troubleshooting information for Nondisruptive Migration User Guide, and then complete the recommended procedure.

Message ID	Message Text	Description
KAIC18862-E	Failed to restart the task. Among the WWNs that were added to [Allocate Target Volumes], at least one WWN was not created. Check the troubleshooting information for Nondisruptive Migration User Guide, and then complete the recommended procedure.	*Cause* Among the WWNs that were added to [Allocate Target Volumes], at least one WWN was not created. *Action* Check the troubleshooting information for Nondisruptive Migration User Guide, and then complete the recommended procedure.
KAIC18863-E	The task cannot be performed. Check the [Message] column in the [Task Status Detail] table, follow the provided instructions, and then restart the task. If you cannot restart the task, check the troubleshooting information for Nondisruptive Migration User Guide, and complete the recommended procedure.	*Cause* - *Action* Check the [**Message**] column in the [**Task Status Detail**] table, follow the provided instructions, and then restart the task. If you cannot restart the task, check the troubleshooting information for Nondisruptive Migration User Guide, and complete the recommended procedure.
KAIC18864-W	Either the NAS Platform information cannot be acquired or it is not current. Within the task details, check the status of the data collection task and any message.	*Cause* - *Action* Within the task details, check the status of the data collection task and any message.
KAIC18865-W	No Admin Services information is registered. Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System].	*Cause* - *Action* Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System].
KAIC18866-W	An authentication error occurred during communication with Admin Services. Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System].	*Cause* - *Action* Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System].

Message ID	Message Text	Description
KAIC18867-E	An authentication error occurred during communication with Admin Services of the NAS Platform. Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and then try again.	*Cause* - *Action* Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and then try again.
KAIC18868-E	Communication with Admin Services of the NAS Platform failed. Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and then try again.	*Cause* - *Action* Confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and then try again.
KAIC18869-W	An authentication error occurred during communication with Admin Services on the other NAS Platform (*nas-platform-names*) shared with the selected storage pool and its volumes. If you continue this operation, the storage pool and system drive information will remain on this NAS Platform. Before deleting the information, confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and try again.	*Cause* - *Action* Before deleting the information, confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and try again.
KAIC18870-W	An error occurred during communication with Admin Services on the other NAS Platform (*nas-platform-names*) shared with the selected storage pool and its volumes. If you continue this operation, the storage pool and system drive information will remain on this NAS Platform. Before deleting the information, confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and try again.	*Cause* - *Action* Before deleting the information, confirm that the account that was used to add the storage system is registered in NAS Manager. If necessary, change the account settings by using [Edit Storage System], and try again.

Message ID	Message Text	Description
KAIC18871-E	An attempt to connect to Admin Services failed. Check the network connection environment for the storage systems and NAS Platforms. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.	*Cause* - *Action* Check the network connection environment for the storage systems and NAS Platforms. If the problem persists, detailed investigation is required to determine the cause and to resolve the problem. Contact the support center, who may ask you to collect troubleshooting information.
KAIC18873-E	This operation cannot be performed from Hitachi Command Suite, because the NAS modules are in a cluster configuration and global-active device pairs are present. Complete the task from Device Manager - Storage Navigator or NAS Manager.	*Cause* - *Action* Complete the task from Device Manager - Storage Navigator or NAS Manager.

KAIC20000 - KAIC29999

This section describes messages KAIC20000 to KAIC29999, which are related to Device Manager agent. Unless stated otherwise, *server* refers to the Hitachi Command Suite management server.

Table 2-11 KAIC20000 - KAIC29999 (messages related to Device Manager agent)

Message ID	Message Text	Description
KAIC22001-E	This usage is incorrect: *explanation summary of correct usage*	*Cause* An attempt was made to execute `HiScan` with invalid parameters. *Action* Execute `HiScan` with the correct parameters.
KAIC22002-E	DoScan: *DoScan_Message*	*Cause* An error occurred while executing the `HiScan` command. *Action* Respond as indicated in the message following DoScan:.
KAIC22003-E	DoScan: Disk drive not found on this host	*Cause* An error occurred while executing the `HiScan` command.

Message ID	Message Text	Description
		Action Ensure that all Hitachi or Sun disks are online.
KAIC22004-E	DoEmit: *DoEmit_Message*	*Cause* An error occurred while executing the `HiScan` command. *Action* Respond as indicated in the message following DoEmit:.
KAIC22005-E	The output file could not be opened.(*Exception information*)	*Cause* An attempt to create a log file that was specified with the `-t` parameter has failed. *Action* Ensure that the path used in the `-t` parameter exists, the filename is valid for this operating system, and that there is sufficient space on the disk.
KAIC22006-E	The IPAddress [*IPAddress*] could not be resolved.	*Cause* The host name of the Device Manager server specified with the `-s` parameter could not be resolved to an IP address. *Action* Check and, if necessary, revise the host name of the Device Manager server specified with the `-s` parameter.
KAIC22007-E	The server socket could not be opened. (*Exception information*)	*Cause* An attempt to communicate with the Device Manager server has failed. *Action* Make sure that the Windows OS and TCP/IP protocol stack are correctly installed.
KAIC22008-E	A connection could not be established.	*Cause* An attempt to communicate with the Device Manager server has failed. *Action* Make sure that the `-s` parameter is specified correctly (both the server address and port number are correct), and the specified Device Manager server is active.
KAIC22009-E	An HTTP/XML message could not be sent. (*Exception information*,Content-Length=*Transmission length*)	*Cause* An attempt to communicate with the Device Manager server has failed. *Action*

Message ID	Message Text	Description
		Make sure that the network connection is operating reliably. Make sure that the `server.http.entity.maxLength` property in the `server.properties` file of the Device Manager server is larger than Content-Length.
KAIC22010-E	The server response could not be received. (*Exception information*,Content-Length=*Transmission length*)	*Cause* There was no response from the Device Manager server. The Device Manager server is probably not working correctly. *Action* Make sure that the value of the `-s` parameter indicates a Device Manager server, and not another network server type. Make sure that the network connection is operating reliably. Make sure that the `server.http.entity.maxLength` property in the `server.properties` file of the Device Manager server is larger than Content-Length.
KAIC22011-E	A connection to the Device Manager server was established, but no response was detected. (*Exception information*,Content-Length=*Transmission length*)	*Cause* There was no response from the Device Manager server. The Device Manager server is probably not working correctly. *Action* Make sure that the value of the `-s` parameter indicates a Device Manager server, and not another network server type. Make sure that the network connection is operating reliably. Make sure that the `server.http.entity.maxLength` property in the `server.properties` file of the Device Manager server is larger than Content-Length.
KAIC22012-E	The correct response header could not be acquired: HTTP/1.0. Received:(*Received contents*)	*Cause* The Device Manager server is probably not working correctly. *Action* Make sure that the value of IPAddress of the Device Manager server specified in the `-s` parameter or `server.server.serverIPAddress` property of Device Manager agent is

Message ID	Message Text	Description
		correct, the port of the Device Manager server specified in the `-s` parameter or `server.server.serverPort` property of Device Manager agent is correct (make sure the port matches the `server.server.serverPort` property of the Device Manager server), the Device Manager server works normally, and that communication with the Device Manager server is possible.
KAIC22013-E	The status code of the HTTP response is not "OK": (*Response contents*)	*Cause* An attempt to communicate with the Device Manager server has failed. *Action* The *details* portion of this message should indicate the nature of the problem. This kind of condition may be due to an invalid combination of `-u` *userid* and `-p` *password* parameters.
KAIC22014-E	HiScan could not connect to Device Manager server because of a connection timeout.	*Cause* Communication with the Device Manager server terminated because of a timeout monitored by Device Manager agent. *Action* Check and, if necessary, revise the value of `server.http.server.timeOut` in the `server.properties` file of the Device Manager agent. Make sure that the `server.http.entity.maxLength` property in the `server.properties` file of the Device Manager server is larger than Content-Length.
KAIC22018-E	Information about the installed plugin could not be acquired. (*Exception information*)	*Cause* The installation status is incorrect. *Action* The installation of Device Manager agent or Dynamic Link Manager may have terminated abnormally.
KAIC22019-E	The "hldutil" response timeout.	*Cause* An abnormal situation may have occurred during execution of the `hldutil` command, or a timeout may have occurred in the `hldutil` command due to an excessive number of LUs. *Action*

Message ID	Message Text	Description
		Make sure that the host is detecting LUs correctly. If necessary, revise the value of `server.util.processTimeOut` property in the `server.properties` file of the Device Manager agent.
KAIC22020-E	The executable program "hldutil" does not exist. (*Exception information*)	*Cause* An attempt to execute the `hldutil` command has failed. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIC22047-E	An attempt to authenticate a user ID and password has failed. : *status code*	*Cause* The specified user ID and password are invalid. *Action* Execute `hdvmagt_setting`, and then enter the correct user ID and password.
KAIC22048-E	The data in the request was rejected because the data is too large. : *status code*	*Cause* The Device Manager server's processing capacity was exceeded because the data in the request is too large. *Action* Make sure that the `server.http.entity.maxLength` property in the `server.properties` file of the Device Manager server is larger than Content-Length.
KAIC22049-E	The value of an argument in the specified option is invalid. :*option*	*Cause* The character that cannot be used for the argument of the option is specified. *Action* Specify the character string that can be used for the argument of the option.
KAIC22050-E	A site-local address or link-local address cannot be specified. (*address*)	*Cause* A site-local address or link-local address is specified in an option. *Action* To use IPv6 addresses, you must specify a global address.

Message ID	Message Text	Description
KAIC22051-E	The host name of the host could not be resolved to an IP address.	*Cause* The value set for `server.http.socket.agentAddress` in the `server.properties` file of the Device Manager agent might be incorrect, or the host environment might be invalid. *Action* Check, and if necessary, revise the value set for `server.http.socket.agentAddress` in the `server.properties` file of the Device Manager agent.
KAIC22052-E	An error occurred while SSL communication was being set up.	*Cause* The procedure to set up SSL communication of Device Manager agent might not have been performed properly. *Action* Verify the procedure to set up SSL communication of the Device Manager agent. If this does not solve the problem, collect maintenance information, and then contact customer support.
KAIC22053-E	An SSL communication error occurred.	*Cause* An SSL communication error occurred for either of the following reasons: • The port number is not for SSL communication. • The truststore file on the Device Manager Agent and at the connection destination are different. • The truststore file is no longer valid. • The cipher suite differ by the Device Manager Agent and at the connection destination. *Action* Check the value of `server.server.serverPort` in the `server.properties` file, or check the value specified for the port number for the HDVM server. Check the contents of the truststore file. Check whether the cipher suite specified by the connection destination

Message ID	Message Text	Description
		can use it by Java currently used by the Device Manager Agent. If this does not solve the problem, collect maintenance information, and then contact the Support Center.
KAIC22054-E	An unexpected error occurred. Collect maintenance information, and then contact the Support Center.	*Cause* An unexpected error occurred. *Action* Collect maintenance information, and then contact the Support Center.
KAIC22401-W	The command prompt was not started by the administrator. Although processing is executing properly, the started command prompt will be closed after processing ends.	*Cause* The command was executed by a user other than the administrator. *Action* Execute this command as the administrator.
KAIC25111-W	*(Windows)* The Device Manager agent installation has been suspended due to requests received from a management server. Please wait a moment and then click Retry to attempt the installation again, or click Cancel to end the Device Manager agent installation. *(UNIX)* The Device Manager agent installation has been suspended due to requests received from a management server. Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation.	*Cause* The installation was canceled because the Device Manager agent was being accessed from outside. *Action* Wait a while, and then retry the installation. If you want to immediately stop the Device Manager agent, see the explanation of the `hbsasrv` command in the Device Manager agent manual.
KAIC25112-W	*(Windows)* The Device Manager agent installation has been suspended due to the execution of the one of the following commands: (hbsasrv, hdvmagt_setting, TIC, hldutil). Please wait a moment and then click Retry to attempt the	*Cause* The installation was canceled because the Device Manager agent command is executing. *Action* Wait a while, and then retry the installation.

Message ID	Message Text	Description
	installation again, or click Cancel to end the Device Manager agent installation. *(UNIX)* The Device Manager agent installation has been suspended due to the execution of the one of the following commands: (hbsasrv, hdvmagt_setting, TIC, hldutil). Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation.	
KAIC25113-W	*(Windows)* The Device Manager agent installation has been suspended because the HiScan command is executing. Please wait a moment and click Retry to attempt the installation again, or click Cancel to end the Device Manager agent installation. *(UNIX)* The Device Manager agent installation has been suspended because the HiScan command is executing. Please wait a moment and enter (Y)es to attempt the installation again or enter (N)o to end the Device Manager agent installation.	*Cause* The installation was canceled because the `HiScan` command is executing. *Action* Wait a while, and then retry the installation.
KAIC25115-W	*(Windows)* The Device Manager agent removal has been suspended due to requests received from a management server. Please wait a moment and then click Retry to attempt the removal again, or click Cancel to end the Device Manager agent removal. *(UNIX)* The Device Manager agent removal has been suspended due to requests received from a management server.	*Cause* The removal was canceled because the Device Manager agent was being accessed from outside. *Action* Wait a while, and then retry the removal. If you want to immediately stop the Device Manager agent, see the explanation of the `hbsasrv` command in the Device Manager agent manual.

Message ID	Message Text	Description
	Please wait a moment and enter (Y)es to attempt the removal again or enter (N)o to end the Device Manager agent removal.	
KAIC25116-W	*(Windows)* The Device Manager agent removal has been suspended because one of the following commands is executing: (hbsasrv, hdvmagt_setting, TIC, hldutil) Please wait a moment and then click Retry to attempt the removal again, or click Cancel to end the Device Manager agent removal. *(UNIX)* The Device Manager agent removal has been suspended because one of the following commands is executing: (hbsasrv, hdvmagt_setting, TIC, hldutil) Please wait a moment and enter (Y)es to attempt the removal again or enter (N)o to end the Device Manager agent removal.	*Cause* The removal was canceled because the Device Manager agent command is executing. *Action* Wait a while, and then retry the removal.
KAIC25117-W	*(Windows)* The Device Manager agent removal has been suspended because the HiScan command is executing. Please wait a moment and then click Retry to attempt the removal again, or click Cancel to end the Device Manager agent removal. *(UNIX)* The Device Manager agent removal has been suspended because the HiScan command is executing. Please wait a moment and enter (Y)es to attempt the removal again or enter (N)o to end the Device Manager agent removal.	*Cause* The removal was canceled because the `HiScan` command is executing. *Action* Wait a while, and then retry the removal.

Message ID	Message Text	Description
KAIC25120-W	User account authentication has failed. Revise the user account information.	*Cause* Possible causes are as follows: • The specified user account (user ID) does not exist. • The password for the user account was specified incorrectly. *Action* Check the following points, and then click the [**Next**] button in the Setting Up the Agent Service Account window: • Make sure that the specified user account exists. • Make sure that the password for the user account is specified correctly.
KAIC25121-W	The specified user account does not have Administrators permissions. Revise the user account information.	*Cause* The specified user account does not have Administrators permissions. *Action* Make sure that the user performing the installation has Administrators permissions, and then click the [**Next**] button in the Setting Up the Agent Service Account window.
KAIC25122-W	The specified user account does not have the User Rights Assignment setting "Log on as a service". Make sure the user account has this setting.	*Cause* The User Rights Assignment setting "Log on as a service" has not been specified for the specified user account. *Action* Make sure that the User Rights Assignment setting "Log on as a service" has been specified for the user performing the installation, and then again click the [**Next**] button in the Setting Up the Agent Service Account window.
KAIC25123-W	An error occurred during setup of the agent service account.	*Cause* An unexpected error occurred during user account authentication. *Action* In the Setting Up the Agent Service Account window, click the [**Next**] button again. If you cannot resolve the problem, do not set up the agent service account (select [**NO**] in the Setting Up the Agent Service Account window), and

Message ID	Message Text	Description
		then click the [**Next**] button in that window. After the installation, open the Services window from [**Administrative Tools**], and then change the account for [**HBsA Service**].
KAIC25126-W	Installation of the Device Manager agent was successfully completed, but the setup of the RAID Manager failed. Make sure that RAID Manager or XP7 RAID Manager XP has been installed, and then execute the hdvmagt_setting command to set up the Device Manager agent.	*Cause* Setup of RAID Manager failed. *Action* Use the `hdvmagt_setting` command to set up RAID Manager.
KAIC25156-E	Installation FAILED. Please execute setup.exe to install Device Manager agent.	*Cause* Installation failed. *Action* Install Device Manager agent to execute the `setup.exe`.
KAIC25157-E	There is not enough free disk space for installation. Make sure that there is enough free space on the system drive and installation drive. Installation will now stop.	*Cause* There is not enough free disk space for installation. Make sure that there is enough free space on the system drive and installation drive. *Action* Make sure that there is enough free space, and then try installing again.
KAIC25163-E	A newer version of Device Manager agent is already installed on this system. You cannot downgrade Device Manager agent.	*Cause* An attempt was made to install an old version of the Device Manager agent in an environment containing a newer version. *Action* No additional action is required.
KAIC25172-E	Installation or removal was stopped because an error occurred in the JVM.	*Cause* A prerequisite patch might not have been applied. Alternatively, if you are using UNIX, the Java information in the properties file used by the Device Manager agent might not be valid. *Action* • Make sure that all prerequisite patches have been applied. For details on the prerequisite

Message ID	Message Text	Description
		patches, see the Device Manager agent manual. • If you are using UNIX, make sure the Java information specified in the properties file used by the Device Manager agent is valid. If the Java information is invalid, specify the correct Java information in the properties file, and then reinstall the Device Manager agent. For details on the properties file, see the Device Manager agent manual.
KAIC25173-E	Program aborted. Wait a while, and restart this procedure.	*Cause* The installation or removal was executed while the Device Manager agent was running. *Action* Wait a while, and then re-execute.
KAIC25174-E	This environment is a non-global zone. Installation in a non-global zone is not supported.	*Cause* Installation was attempted in a zone other than the global zone. *Action* Please execute the installation in a global zone.
KAIC25176-E	An unexpected error occurred during setup processing of the Device Manager agent.	*Cause* The setup program could not be executed. *Action* Collect maintenance information, and then contact the Support Center.
KAIC25177-E	An illegal option is specified. *specified option*	*Cause* An invalid option is specified in the installation command or removal command. *Action* Check the syntax, specify the option correctly, and then execute the installation command or removal command again.
KAIC25178-E	The mistake is found in the number of arguments. *specified number*	*Cause* The number of arguments in the installation command or removal command is invalid. *Action* Check the syntax, specify the arguments correctly, and then execute

Message ID	Message Text	Description
		the installation command or removal command again.
KAIC25179-E	The installation path of the Device Manager agent cannot be acquired.	*Cause* An attempt to acquire the installation path of the Device Manager agent has failed. *Action* Collect maintenance information, and then contact the Support Center.
KAIC25181-E	It failed in the installation of Protection Manager.	*Cause* An attempt to copy the Protection Manager files has failed. *Action* Execute `hptmguiinst.exe` or `hptmguiinst.sh`, and then take action based on the output error message.
KAIC25183-E	The user is not the root user.	*Cause* The user who performed the installation is not the root user. *Action* Perform the installation as the root user.
KAIC25184-E	A file required for installation of the Device Manager agent is missing.	*Cause* A file required for the installation is missing. *Action* The installation media might be corrupted. Try installing the software again, using different installation media.
KAIC25185-E	No usable JDK or JRE exists. Install a JDK or JRE, and then retry the operation.	*Cause* No prerequisite Java version is installed in the system. *Action* Install a prerequisite Java version, and then retry the operation.
KAIC25186-E	Your user group permissions are not Administrators permissions.	*Cause* Your user group permissions are not Administrators permissions. *Action* Perform installation as a user who has Administrators permissions.
KAIC25188-E	A fatal error occurred during the installation of the Device Manager agent.	*Cause* Possible causes are as follows:

Message ID	Message Text	Description
	Installation will now stop.	• Installation files of the Device Manager agent could not be copied to a working directory. • Installation files of the Device Manager agent could not be deleted from a working directory. *Action* Collect maintenance information, and then contact the Support Center.
KAIC25189-E	Installation of the Device Manager agent has FAILED.	*Cause* Installation of the Device Manager agent has failed. Possible causes include the following: • Installation information of a past Device Manager agent or of a past Dynamic Link Manager still remains. • There is not enough space at the specified installation destination. • Your user group permissions are not Administrators permissions. • An attempt was made to install on an unsupported OS. *Action* Check the following and, if necessary, carry out the recommended action. Then try to install the Device Manager agent again. • HBase Agent is displayed twice in the Add or Remove Programs window on a computer where the Device Manager agent or Dynamic Link Manager is installed. Alternatively, HBase Agent is displayed in the Add or Remove Programs window on a computer where both the Device Manager agent and Dynamic Link Manager have been removed. In either of the above cases, execute the `hbsa_util`command, and then delete the Device Manager agent registry and files. For details on this command, see the *Hitachi Command Suite Administrator Guide.* • Make sure that there is enough free space on the disk where the Device Manager agent is to be installed. • Perform installation as a user who has Administrators permissions.

Message ID	Message Text	Description
		• The OS version and CPU which are supported (Refer to the Release Notes).
KAIC25190-E	Installation of the Device Manager agent was completed, but the setup of the Device Manager agent or a related program has FAILED. If you want to use the related program for which setup did not finish, reinstall the Device Manager agent. If you will not use the related program for which setup did not finish, no additional action is required.	*Cause* Possible causes are as follows: • Setup of the Device Manager agent failed. • Setup of the Protection Manager linkage function failed. • Setup of the Dynamic Link Manager linkage function failed. • Setup of the account information for the Device Manager agent service (HBsA Service) failed. • Installation of the Global Link Manager agent failed. *Action* If you want to use the related program for which setup did not finish, reinstall the Device Manager agent. If you will not use the related program for which setup did not finish, no additional action is required.
KAIC25193-E	The execute permission for the installation files could not be changed.	*Cause* The execute permission for the installation files could not be changed. *Action* Put the installation files into a directory that can be written to.
KAIC25194-E	An attempt to open the '*HDVMAgent_conf file name*' file has FAILED.	*Cause* An attempt to open the '*HDVMAgent_conf file name*' file has failed. *Action* The `HDVMAgent.conf` file was not found in the directory that contains the installer. Make sure that the file is there, and then try to install the Device Manager Agent again.
KAIC25197-E	The format of line %d in the '*HDVMAgent_conf file name*' is invalid.	*Cause* The format of the `HDVMAgent.conf` file is invalid. *Action* The `HDVMAgent.conf` file might be corrupted. Check the file, and then try to install the Device Manager Agent again.

Message ID	Message Text	Description
KAIC25198-E	A property in the '*HDVMAgent_conf file name*' has been incorrectly specified(line %d).	*Cause* A property in the `HDVMAgent.conf` file has been incorrectly specified(line %d). *Action* The `HDVMAgent.conf` file might be corrupted. Check the file, and then try to install the Device Manager Agent again.
KAIC25208-E	Setup of the Device Manager agent has FAILED.	*Cause* The setup program could not be executed. *Action* Follow the instructions in the following messages: KAIC25029-I, KAIC25033-I.
KAIC25211-E	The installation or removal was canceled because the Device Manager agent was running. Wait a while, and then try again.	*Cause* An attempt to stop the HBsA Service has failed. *Action* Wait a while, and then try again.
KAIC25213-E	The specified user account does not exist.	*Cause* A user account that does not exist on the server was specified. *Action* Specify a user account that exists on the server.
KAIC25401-E	Acquisition of version information has failed.	*Cause* Possible causes are as follows: • Acquisition of the installation path failed. • *Device-Manager-agent-installation-directory*`\mod\hdvm\alet.xml` does not exist. • *Device-Manager-agent-installation-directory*`\mod\hdvm\alet.xml` file content is invalid. *Action* Re-install the Device Manager agent.
KAIC25523-I	*number of migrated files* out of *number of target files* were migrated.	*Cause* - *Action* -
KAIC25528-I	The list of instances for which the command was successfully	*Cause* -

Message ID	Message Text	Description
	executed is displayed. If you want to run the command again, specify the following instance numbers in the PairCfgMigration.ignoreInstanceNumber property: "*instance number 1*", "*instance number 2*", ...	*Action* -
KAIC25603-W	The following HORCM files could not be migrated: "*HORCM file name 1*", "*HORCM file name 2*", …	*Cause* - *Action* Check the logs, and then try again.
KAIC25607-W	An invalid device group could not be deleted. (device group = "*device group name*")	*Cause* - *Action* Delete the invalid device group.
KAIC25608-W	An invalid copy group could not be deleted. (copy group = "*copy group name*")	*Cause* - *Action* Delete the invalid copy group.
KAIC25609-W	One or more HORCM files could not be migrated. Check the logs.	*Cause* - *Action* Check the logs, and then try again.
KAIC25610-W	The RAID Manager, CCI, or XP7 RAID Manager version is not recommended. If you attempt to copy pairs by using virtual ID migration, either the copy task might fail or invalid device groups might be created.	*Cause* Either the version of RAID Manager is earlier than 01-32-03/01, or the version of XP7 RAID Manager is earlier than 01.32.01. *Action* Confirm the current versions in use. Then, either upgrade RAID Manager to version 01-32-03/01 or later, or upgrade XP7 RAID Manager to version 01.32.01 or later.
KAIC28201-W	The IP address could not be resolved from the specified hostname.	*Cause* The IP address could not be resolved from the hostname. *Action* • Make sure that the entered value is correct. • Make sure that the hostname is defined in the `hosts` file. • To specify an IPv6 address, `server.agent.JRE.location`

Message ID	Message Text	Description
		must be specified. Make sure that the specified value is correct.
KAIC28202-W	Access to the server has failed. (detail = "Verify network connectivity and that the Device Manager server is running")	*Cause* An attempt to connect to the server failed. Possible causes are as follows: • The specified IP address or host name is incorrect. • The connection is blocked by a firewall. • The Device Manager server is not installed. • The setting for using IPv6 is not set. *Action* • Make sure that the entered value is correct. • Check the firewall settings on the machines on both the host side and the server side. • If a firewall is configured between the host and the server, make sure that the settings are correct. • If you want to install the Device Manager server later, click **No** in the confirmation window, and then continue setup. • To specify an IPv6 address, `server.agent.JRE.location` must be specified. Make sure that the specified value is correct.
KAIC28203-W	Access to the server has failed. (detail = "Unauthorized user ID or password is invalid")	*Cause* The user ID or password was not authenticated by the server. *Action* Make sure that the entered value is correct.
KAIC28204-W	Access to the server has failed. (details = "A normal response could not be received from the Device Manager server.")	*Cause* An attempt to connect to the server failed. Possible causes are as follows: • The specified IP address or host name is incorrect. • The setting for using IPv6 is not set. • The Device Manager server is in the process of starting. *Action* • Make sure that the entered value is correct.

Message ID	Message Text	Description
		• To specify an IPv6 address, `server.agent.JRE.location` must be specified. Make sure that the specified value is correct. • Check the status of the Device Manager server. If the server is in the process of starting, wait a while, and then retry the operation.
KAIC28205-W	*(Windows)* RAID Manager is not installed on the selected drive. *(UNIX)* RAID Manager is not installed in the selected directory.	*Cause* *(Windows)* RAID Manager is not installed immediately under the specified drive. (specified drive: \HORCM) *(UNIX)* RAID Manager is not installed in the specified directory. *Action* If you want to install RAID Manager later, click **NO** in the confirmation window, and then continue setup. *(Windows)* Make sure that RAID Manager is installed on the specified drive. *(UNIX)* Make sure that RAID Manager is installed in the specified directory.
KAIC28210-W	*(Windows)* An error occurred while SSL communication was being set up. Do you want to modify the server configuration? Click Yes to modify the server configuration. Click No to keep the settings and proceed to the next step. *(UNIX)* An error occurred while SSL communication was being set up. Do you want to modify the server configuration? Enter (Y)es to modify the server configuration. Enter (N)o to keep the settings and proceed to the next step.	*Cause* The procedure to set up SSL communication of Device Manager agent might not have been performed properly. *Action* Verify the procedure to set up SSL communication of the Device Manager agent. If this does not solve the problem, collect maintenance information, and then contact customer support.
KAIC28211-W	*(Windows)*	*Cause*

Message ID	Message Text	Description
	An SSL communication error occurred. Do you want to modify the server configuration? Click Yes to modify the server configuration. Click No to keep the settings and proceed to the next step. *(UNIX)* An SSL communication error occurred. Do you want to modify the server configuration? Enter (Y)es to modify the server configuration. Enter (N)o to keep the settings and proceed to the next step.	An SSL communication error occurred for either of the following reasons: • The port number is not for SSL communication. • The truststore file on the Device Manager Agent and at the connection destination are different. • The truststore file is no longer valid. • The cipher suite differ by the Device Manager Agent and at the connection destination. *Action* Check the port number for the HDVM server. Check the contents of the truststore file. Check whether the cipher suite specified by the connection destination can use it by Java currently used by the Device Manager Agent. If this does not solve the problem, collect maintenance information, and then contact the Support Center.
KAIC28305-E	The specified IP address or hostname is invalid.	*Cause* The entered value is invalid. *Action* Enter a valid value.
KAIC28306-E	The specified port number is invalid.	*Cause* The entered value is invalid. *Action* Enter a valid value.
KAIC28307-E	The specified User ID is invalid.	*Cause* The entered value is invalid. *Action* Enter a valid value.
KAIC28308-E	The specified password is invalid.	*Cause* The entered value is invalid. *Action* Enter a valid value.
KAIC28309-E	The IP address or hostname contains invalid characters. Check the value and enter again. Refer to the Device	*Cause* An invalid character was entered. *Action* Enter a valid value.

Message ID	Message Text	Description
	Manager agent manual for characters you can use.	
KAIC28310-E	The user ID contains invalid characters. Check the value and enter again. Refer to the Device Manager agent manual for characters you can use.	*Cause* An invalid character was entered. *Action* Enter a valid value.
KAIC28311-E	The password contains invalid characters. Check the value and enter again. Refer to the Device Manager agent manual for characters you can use.	*Cause* An invalid character was entered. *Action* Enter a valid value.
KAIC28312-E	An unexpected error occurred when the Device Manager server information was being specified. The server information cannot be specified.	*Cause* An attempt to specify the server information failed. Possible causes are as follows: • Installation failed. • Creation of a child process (for specifying the server information) failed. *Action* Collect maintenance information, and then contact the Support Center.
KAIC28313-E	An I/O error occurred when the Device Manager server information was being specified. The server information cannot be specified.	*Cause* An attempt to specify the server information failed. Possible causes are as follows: • The `server.properties` file does not exist. • The `server.properties` file is write-protected. • There is not enough free space on the disk. *Action* • Make sure that the `server.properties` file exists, and you have write permissions for the file. • Make sure that there is enough free space on the disk.
KAIC28314-E	An unexpected error occurred when the execution period of the HiScan command was being specified.	*Cause* An attempt to specify the execution period of the `HiScan` command failed. Possible causes are as follows: • Installation failed.

Message ID	Message Text	Description
	The execution period of the HiScan command cannot be specified.	• Creation of a child process (for specifying the execution period of the `HiScan` command) failed. *Action* Collect maintenance information, and then contact the Support Center.

KAIC28315-E	An I/O error occurred when the execution period of the HiScan command was being specified.
	The execution period of the HiScan command cannot be specified.
		Cause
		An attempt to specify the execution period of the `HiScan` command has failed. Possible causes are as follows:
		• There are no files in the directories shown below.
		• The files in the directories shown below are write-protected.
		• There is not enough free space on the disk.
		• An attempt to write to the `crontab` file has failed.
		Windows:
		Device-Manager-agent-installation-directory`\mod\hdvm\config`
		UNIX platforms except AIX:
		`/opt/HDVM/HBaseAgent/mod/hdvm/config`
		AIX:
		`/usr/HDVM/HBaseAgent/mod/hdvm/config`
		Action
		• Make sure that the directories shown below exist, and you have write permissions for the files.
		• Make sure that there is enough free space on the disk.
		• Make sure the following commands can be used:
		- In UNIX: `crontab`
		- In Windows Server 2008 and earlier versions of Windows Server: `at`
		- In all other Windows OSs: `schtasks`
		Windows:
		Device-Manager-agent-installation-directory`\mod\hdvm\config`
		UNIX platforms except AIX:
		`/opt/HDVM/HBaseAgent/mod/hdvm/config`

Message ID	Message Text	Description
		AIX: `/usr/HDVM/HBaseAgent/mod/hdvm/config`
KAIC28316-E	An unexpected error occurred when RAID Manager settings were being specified. These RAID Manager settings cannot be specified.	*Cause* An attempt to specify RAID Manager settings has failed. Possible causes are as follows: • Installation of RAID Manager failed. • Creation of a child process (for specifying RAID Manager settings) failed. *Action* Collect maintenance information, and then contact the Support Center.
KAIC28317-E	An I/O error occurred when RAID Manager settings were being specified. These RAID Manager settings cannot be specified.	*Cause* An attempt to specify RAID Manager settings has failed. Possible causes are as follows: • The `server.properties` file does not exist. • The `server.properties` file is write-protected. • There is not enough free space on the disk. *Action* • Make sure that the `server.properties` file exists, and that you have write permissions for the file. • Make sure that there is enough free space on the disk.
KAIC28318-E	A fatal error occurred during the setup processing of the Device Manager agent. Setup processing has stopped.	*Cause* An invalid-environment error occurred due to either of the following reasons: • The Device Manager agent is not installed. • An attempt to obtain the installation directory for the Device Manager agent has failed. *Action* Collect maintenance information, and then contact the Support Center.
KAIC28319-E	A site-local address or link-local address is specified for the IP address. To use IPv6 addresses, you must specify a global address.	*Cause* A site-local address or link-local address is specified for the IP address. *Action*

Message ID	Message Text	Description
		Please specify a global address.
KAIC28320-E	*(Windows)* The specified certificate store folder does not exist. Specify the folder where the certificate is stored. *(UNIX)* The specified certificate store directory does not exist. Specify the directory where the certificate is stored.	*Cause* *(Windows)* The specified certificate store folder does not exist. *(UNIX)* The specified certificate store directory does not exist. *Action* *(Windows)* Please specify the appropriate folder. *(UNIX)* Please specify the appropriate directory.
KAIC28321-E	The entered Device Manager agent truststore password is invalid. Check the value and enter it again. For the characters that you can use, see the Device Manager agent manual.	*Cause* Possible causes are as follows: • The entered Device Manager agent truststore password might be fewer than 6 characters. • The entered Device Manager agent truststore password contains characters other than the following: `A-Z`, `a-z`, `0-9`, and space characters. • A password that contains characters other than the following might have been specified when `hbsa_keytool.bat` or `KeyTool` was used to change the password: `A-Z`, `a-z`, `0-9`, and space characters. *Action* Enter the correct password.
KAIC28322-E	Failed to import the Device Manager server certificate to the Device Manager agent truststore.	*Cause* Failed to import the Device Manager server certificate to the Device Manager agent truststore for either of the following reasons: • The entered truststore password is invalid. • There is a conflict with the certificate alias. *Action* Enter the correct password, or try clicking [**Next**] again.

Message ID	Message Text	Description
KAIC28353-E	Setup processing has stopped because the Add-On module is currently running.	*Cause* The HBsA service could not be stopped because an Add-On module is currently running. *Action* Wait a while, and then retry the operation.
KAIC28604-W	The handle could not be acquired. (serial number="*serial-number*")	*Cause* The following causes are possible: • The host does not recognize the command device specified in `perf_cmddev.properties`. • User authentication is enabled for the command device specified in `perf_cmddev.properties`. *Action* Verify that the host recognizes the command device specified in `perf_cmddev.properties`. Verify that user authentication is disabled for the command device specified in `perf_cmddev.properties`. If this does not solve the problem, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC28615-W	The host does not recognize the following defined command device(s):	*Cause* The host does not recognize the command device defined in the file `perf_cmddev.properties`. *Action* • Make sure that the description of the command device is correct. • Make sure that the connection status between the host and the storage system is correct.
KAIC28616-W	The following command device(s) recognized by the host are not defined in the command device information:	*Cause* No command device recognized by the host is defined in the file `perf_cmddev.properties`. *Action* • Add the specified command device to the properties file. • Update the file `perf_cmddev.properties` by

Message ID	Message Text	Description
		using the following command: `perf_findcmdev write`
KAIC28619-W	The handle could not be acquired. (serial number="*serial-number*", SLPR number="*SLPR-number*")	*Cause* The following causes are possible: • The host does not recognize the command device specified in `perf_cmddev.properties`. • User authentication is enabled for the command device specified in `perf_cmddev.properties`. *Action* Verify that the host recognizes the command device specified in `perf_cmddev.properties`. Verify that user authentication is disabled for the command device specified in `perf_cmddev.properties`. If this does not solve the problem, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAIC28804-E	No command device is defined in the configuration file.	*Cause* No command device is defined in the configuration file. *Action* Define the command devices by using the `perf_findcmddev` command.
KAIC28805-E	An I/O error occurred while reading the configuration file.	*Cause* An I/O error occurred while reading the `perf_cmddev.properties` file. *Action* Make sure of the following: • The `perf_cmddev.properties` file exists. • The `perf_cmddev.properties` file is readable. If the `perf_cmddev.properties` file does not exist, create the file by using the `perf_findcmddev` command.
KAIC28807-E	The processing was interrupted because no handle could be acquired from RMLIB.	*Cause* The RMILIB API became unusable during request processing. *Action*

Message ID	Message Text	Description
		If the problem occurs frequently, collect maintenance information and contact the support center.
KAIC28809-E	The file perf_cmddev.properties was not found.	*Cause* The file `perf_cmddev.properties` does not exist. *Action* Make sure that the file `perf_cmddev.properties` exists and is valid.
KAIC28810-E	An I/O error occurred. *filename* (Error details: errno = *error-code*, msg = *error-message*)	*Cause* A file I/O error occurred. Check the contents of the error message. Possible causes are as follows: • The file `perf_cmddev.properties` is write-protected. • There is not enough free space on the disk. • The directory to which the file will be written does not exist. *Action* • Make sure that the file `perf_cmddev.properties` exists and is not write-protected. • Make sure that there is enough free space on the disk. • Make sure that the directory to which the file will be written exists.

KAIC30000 - KAIC39999

The following table describes messages KAIC30000 to KAIC39999, which are related to Device Manager.

Table 2-12 KAIC30000 - KAIC39999 (trace messages related to Device Manager)

Message ID	Message Text	Description
KAIC30004-I	Device Manager Server has started.	No action is required.
KAIC30005-I	Device Manager Server has stopped.	No action is required.
KAIC30017-I	Device Manager Server has started in Secure mode.(Cipher Suites="*Cipher Suites*")	No action is required.

Message ID	Message Text	Description
KAIC30029-I	The protocols used in Device Manager Server Secure mode are "*protocols*".	-
KAIC30442-I	A user has been set up to receive SNMP traps.	No action is required.
KAIC30522-E	An SNMP trap was received but it was ignored because authentication failed (address = *SNMP trap IP address*). Check and, if necessary, revise the configuration. If needed, send test SNMP traps to verify that they are being sent and received correctly.	Check the configuration. If necessary, change the configuration and send test SNMP traps.
KAIC30962-E	The database backup failed. (message ID = *message ID*, message description = "*message description*") Check the messages guide for Device Manager, and then retry the operation. If this problem continues, collect the error information and contact customer support.	Check the messages guide for Device Manager, and then retry the operation. If this problem continues, collect the error information and contact customer support.
KAIC30963-I	The database was successfully backed up.	-
KAIC30964-I	The backup of the database was skipped because the database is currently being updated. The backup of the database will be retried (retry interval in minutes = *retry interval in minutes*).	-
KAIC30965-I	The backup of the database was stopped because a request to update the database was received. The backup of the database will be retried (retry interval in minutes = *retry interval in minutes*).	-
KAIC32006-I	Device Manager HiKeyTool has started.	No action is required.
KAIC32007-I	Device Manager HiKeyTool has stopped.	No action is required.
KAIC32101-I	Device Manager *client-name* has started.	No action is required.
KAIC32102-I	Device Manager *client-name* has finished.	No action is required.
KAIC33020-W	An inconsistency was detected from the database information.	No action is required.

Message ID	Message Text	Description
	The database will now be initialized.	
KAIC33025-W	An inconsistency was detected from the database information. Restore the database from the backup.	No action is required.
KAIC33026-I	The database will now be initialized.	No action is required.
KAIC34265-W	Completion of the task (TaskID: *TaskID*, execution time: *Task start time* - *Task finish time*) was not detected from vCenter within a certain period of time. An SLU or SLU snapshot (SLU ID: *SLU ID*) that is not being used from vCenter might have been created. Check the latest configuration information, and then change the configuration as necessary.	-
KAIC35101-E	Maintenance information (*maintenance information*)	-
KAIC35102-I	Maintenance information (*maintenance information*)	-
KAIC35103-W	Maintenance information (*maintenance information*)	-
KAIC35435-I	The version of the "*library-name*" is "*version*(*additional-information*)".	No action is required.
KAIC35436-W	An attempt to get the version of "*library-name*" has failed (Error code "*error-code*").	No action is required.
KAIC36101-E	Maintenance information (*maintenance information*)	-
KAIC36102-I	Maintenance information (*maintenance information*)	-
KAIC36103-W	Maintenance information (*maintenance information*)	-
KAIC39004-I	The CIM-WBEM Service has started.	No action is required.
KAIC39005-I	The CIM-WBEM Service has stopped.	No action is required.

KAIC60000 - KAIC69999

The following table describes messages KAIC60000 to KAIC69999, which are related to Device Manager.

Table 2-13 KAIC60000 - KAIC69999 (trace messages related to Device Manager)

Message ID	Message Text	Description
KAIC60000-E	An error occurred. The specified parameter *resource type* was deleted from the database.	Revise the specified resource type, and then retry the operation.
KAIC60001-E	An error occurred.	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC60002-E	Unable to communicate with the Device Manager server. Possible causes: (1) A Device Manager server service is being initialized. (2) A Device Manager server service is stopped or was restarted.	If a Device Manager server service is being initialized, wait and retry. If a Device Manager server service is stopped or was restarted, restart the Common Component and all related services, and retry. If the problem continues, collect the error information, and then contact the Support Center.
KAIC60012-E	The *function name* function is not supported by the specified storage system.	Revise the specified storage system and retry.
KAIC60013-E	An error occurred. (maintenance information = *maintenance information*)	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC60014-E	"*Name*" is invalid. Use name less than "*max-character-string-length*" .	"*Name*" is invalid. Use name less than "*max-character-string-length*".
KAIC60015-E	"*Name*" is invalid. Specify it by using the following character: "*Character that can be input*"	Specify it by using the following character: "*Character that can be input*"
KAIC61000-E	An error occurred while accessing the database. (maintenance information = *Maintenance information*)	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC61001-E	The database did not update. (maintenance information = *Maintenance information*)	Wait a while, and then retry the operation. If the problem continues, collect the error information, and then contact the Support Center.
KAIC61002-E	The database is blocked.	Contact the server administrator.
KAIC61501-E	The database did not update. (maintenance information = *maintenance information*)	Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.

Message ID	Message Text	Description
KAIC62001-E	Unable to update database. (maintenance information=*maintenance information*)	Wait a few minutes and try again. If this problem continues, collect the error information and contact Support.
KAIC63500-W	Unable to collect data. (collected = *number of collected storage systems*, skipped = *number of skipped storage systems*)	Refer to the messages for each storage system.
KAIC63501-E	Cannot retrieve storage system data. (collected = *number of collected storage systems*, failed = *number of failed storage systems* skipped = *number of skipped storage systems*)	View the storage system error messages.
KAIC63502-W	Cannot retrieve host data. (collected = *number of collected hosts*, skipped = *number of skipped hosts*)	View the host error messages.
KAIC63503-E	Cannot retrieve host data. (collected = *number of collected hosts*, failed = *number of failed hosts* skipped = *number of skipped hosts*)	View the host error messages.
KAIC63504-E	Unable to execute task. (task name = *task name*)	Revise the task status and retry.
KAIC63513-E	An error occurred. The task cannot end. (task name = *task name*)	Ask the server administrator to recover the database, and then restart the Device Manager services. If the problem continues, collect the error information, and then contact the Support Center.
KAIC63514-E	Unable to terminate task. (task name = *task name*)	To determine the cause and resolve the problem, detailed investigation is required. Contact the Support Center, who may ask you to collect troubleshooting information.
KAIC63515-E	A task stopped because a Device Manager service was stopped. (task name = *task name*) Verify the task execution result.	Verify the task execution result. If the task was not properly completed, execute the task again.
KAIC63516-E	A task that was executing or was scheduled for execution stopped because the database was restored. Refresh the storage system and verify the storage system configuration. If a task must be executed,	Refresh the storage system and verify the storage system configuration. If a task must be executed, create and execute the task again.

Message ID	Message Text	Description
	create and execute the task again.	
KAIC63517-E	A task being processed stopped because the Device Manager service was stopped. Refresh the target resource information, and then check the target resource configuration.	Refresh the target resource information, and then check the target resource configuration.
KAIC64001-W	The specified IP address "*IP address*" cannot be registered because it is already in use.	Revise the IP address specification.
KAIC64002-W	The IP address "*IP address*" of host "*host-name*" was deleted.	-
KAIC64003-W	The specified WWN "*WWN*" cannot be registered because it is already in use.	Revise the WWN specification.
KAIC64004-W	The WWN "*WWN*" of the host "*host-name*" was deleted.	-
KAIC64005-W	The specified iSCSIName "*iSCSIName*" cannot be registered because it is already in use.	Revise the iSCSIName specification.
KAIC64006-W	The iSCSIName "*iSCSIName*" of host "*host-name*" was deleted.	-
KAIC64501-W	The storage system output the following message: (error code 1 = "*error-code-1*", error code 2 = "*error-code-2*", message= "*message*")	Take action based on the applicable storage system messages and recommended actions in the Device Manager error manual.
KAIC65000-E	The specified resource type *resource type* is already in use or is reserved.	Specify a resource type that is neither in use nor reserved and retry.
KAIC65001-E	The specified resource name *resource type* or number (*resource identifier value*) is already in use or reserved.	Revise the resource name or number and retry.
KAIC65002-E	The specified WWN "*WWN*" is already in use or is reserved by the same port (port ID = "*port ID*", port name = "*port name*").	Specify a WWN that is neither in use nor reserved and retry.
KAIC65003-E	Unable to release reservation because an operation is currently being performed for the reserved resource.	Another operation is being performed for the reserved resource. After the other operation is completed, retry.
KAIC65505-E	Your session is not valid. Log out and then log in again.	Log out and then log in again.

Message ID	Message Text	Description
KAIC69010-E	An exception occurred. (message: *message*, stack trace: *stack trace*)	-

KAIC70000 - KAIC79999

The following table describes messages KAIC70000 to KAIC79999, which are related to Device Manager GUI.

Table 2-14 KAIC70000 - KAIC79999 (messages related to Device Manager GUI)

Message ID	Message Text	Description
KAIC70000-E	Refresh of replication performance data failed. (maintenance information = *message*) Refer to the message displayed in the maintenance information, and try to refresh replication performance data again.	*Cause* - *Action* Refer to the message displayed in the maintenance information, and try to refresh replication performance data again.
KAIC70001-E	Unable to find the specified copy group. The specified copy group might be deleted. Cancel the operation and verify the copy group list, then select valid copy groups.	*Cause* The specified copy group might be deleted. *Action* Cancel the operation and verify the copy group list, then select valid copy groups.
KAIC70002-E	You cannot select more than *max-number-of-copy-groups* copy groups. Decrease the number of copy groups selected.	*Cause* - *Action* Decrease the number of copy groups selected.
KAIC70003-E	You do not have permission to perform this operation. Perform this operation as a user with the required permissions.	*Cause* - *Action* Perform this operation as a user with the required permissions.
KAIC70004-E	No copy pairs in the copy group. Create a copy pair and refresh replication performance data. Then retry the operation.	*Cause* - *Action* Create a copy pair and refresh replication performance data. Then retry the operation.
KAIC70005-E	You do not have permission to perform this operation. Check	*Cause*

Message ID	Message Text	Description
	the refresh setting of HRpM and check if HRpM is collecting data from HDvM Agent. Check the setting of HRpM connection and refresh replication performance data.	- *Action* Check the refresh setting of HRpM and check if HRpM is collecting data from HDvM Agent. Check the setting of HRpM connection and refresh replication performance data.
KAIC70006-E	The copy type of the copy group is not UR. Check the status of copy pairs. If the status of copy pairs is Simplex, create a copy pair and refresh replication performance data. Then retry the operation.	*Cause* - *Action* Check the status of copy pairs. If the status of copy pairs is Simplex, create a copy pair and refresh replication performance data. Then retry the operation.
KAIC70007-W	Refresh of replication performance data failed. (maintenance information = *message*) Refer to the message displayed in the maintenance information, and try to refresh replication performance data again.	*Cause* - *Action* Refer to the message displayed in the maintenance information, and try to refresh replication performance data again.
KAIC70008-W	Unable to refresh data for Replication tab. Detail: "*Detail Information*" When using Replication tab, follow the detailed instructions in the message.	*Cause* - *Action* When using Replication tab, follow the detailed instructions in the message.
KAIC70009-W	Unable to refresh data for Analytics tab and Replication tab. Detail: "*Detail Information*" When using Analytics tab or Replication tab, follow the detailed instructions in the message.	*Cause* - *Action* When using Analytics tab or Replication tab, follow the detailed instructions in the message.
KAIC70010-W	No data has been collected from Tuning Manager. Verify whether Tuning Manager is monitoring storage systems and refresh replication performance data.	*Cause* - *Action* Verify whether Tuning Manager is monitoring storage systems and refresh replication performance data.
KAIC70011-E	Unable to collect data from Tuning Manager. Verify whether Tuning Manager is monitoring storage systems and refresh replication performance data.	*Cause* - *Action* Verify whether Tuning Manager is monitoring storage systems and refresh replication performance data.

Message ID	Message Text	Description
KAIC70012-E	Unable to collect data from Replication Manager. Verify settings of collaboration with Replication Manager and refresh replication performance data.	*Cause* - *Action* Verify settings of collaboration with Replication Manager and refresh replication performance data.
KAIC70013-W	No more memos can be created. A maximum of *memo-writing-maximum* memos can be created for each analysis. To create more memos, delete any unnecessary memos. Some memos might have been created for metrics or time periods that are not currently displayed.	*Cause* - *Action* To create more memos, delete any unnecessary memos. Some memos might have been created for metrics or time periods that are not currently displayed.
KAIC70014-W	No data has been collected from Performance Advisor. Verify whether Performance Advisor is monitoring storage systems and refresh replication performance data.	*Cause* - *Action* Verify whether Performance Advisor is monitoring storage systems and refresh replication performance data.
KAIC70015-E	Unable to collect data from Performance Advisor. Verify whether Performance Advisor is monitoring storage systems and refresh replication performance data.	*Cause* - *Action* Verify whether Performance Advisor is monitoring storage systems and refresh replication performance data.
KAIC70016-W	The starting LDEV IDs of one or more copy groups was changed because of duplicate LDEV IDs. Make sure there are no problems, and then execute the task. To revise the starting LDEV IDs, return to the previous step.	*Cause* - *Action* -
KAIC70017-E	There is a shortage of available LDEV IDs. Return to the previous step, and make sure the settings are correct. If necessary, delete any unnecessary volumes.	*Cause* - *Action* Return to the previous step, and make sure the settings are correct. If necessary, delete any unnecessary volumes.
KAIC70018-E	The copy topology configuration has not been changed. Return to the previous step, expand the copy	*Cause* - *Action*

Message ID	Message Text	Description
	topology, then try the operation again.	Return to the previous step, expand the copy topology, then try the operation again.
KAIC70019-E	There are no available UDP ports. (pair management server = *cci-server-name*) Check the status of the pair management server. If necessary, delete any unnecessary copy groups or configuration definition files. Alternatively, specify a different pair management server.	*Cause* - *Action* Check the status of the pair management server. If necessary, delete any unnecessary copy groups or configuration definition files. Alternatively, specify a different pair management server.
KAIC70020-E	There are no available instance numbers. (pair management server = *cci-server-name*) Check the status of the pair management server. If necessary, delete any unnecessary copy groups or configuration definition files. Alternatively, specify a different pair management server.	*Cause* - *Action* Check the status of the pair management server. If necessary, delete any unnecessary copy groups or configuration definition files. Alternatively, specify a different pair management server.
KAIC70021-E	There are no available LUNs in the specified host group. Return to the previous step, and specify a different host group on other port or create a new host group on other port.	*Cause* - *Action* Return to the previous step, and specify a different host group on other port or create a new host group on other port.
KAIC70022-E	Data could not be collected from Replication Manager. (details = *detail-information*) Refer to the message given in the details, resolve the problem, and then try again.	*Cause* - *Action* Refer to the message given in the details, resolve the problem, and then try again.
KAIC70023-E	The Replication tab does not support the current configuration of the copy topology. Complete the task using Replication Manager, Storage Navigator, or CCI.	*Cause* - *Action* Complete the task using Replication Manager, Storage Navigator, or CCI.
KAIC70024-W	One or more secondary volumes exist, for which pair removal was completed. The volume (storage system = *storagename*, secondary volume = *volume*) cannot be	*Cause* The volume (storage system = *storagename*, secondary volume = *volume*) cannot be deleted because it is not a Hitachi Dynamic Provisioning volume or V-VOL. *Action*

Message ID	Message Text	Description
	deleted because it is not a Hitachi Dynamic Provisioning volume or V-VOL. After the task has completed, delete the volume that was not deleted by using the [Resources] tab.	After the task has completed, delete the volume that was not deleted by using the [**Resources**] tab.
KAIC70025-W	A copy pair, for which the copy direction is reversed, exists in a copy group. (copy group = *copy-group-name*) In Replication Manager, revise the configuration so that all copy pairs are in the same copy direction.	*Cause* - *Action* In Replication Manager, revise the configuration so that all copy pairs are in the same copy direction.
KAIC70026-E	The task completed, but the workflow could not be deleted from Replication Manager. Check the [Workflow] window of Replication Manager, and delete the workflow that has the same workflow name.	*Cause* - *Action* Check the [Workflow] window of Replication Manager, and delete the workflow that has the same workflow name.
KAIC70027-E	[Pair Management Server for the Snapshot Groups] has not been set for the specified storage system. (storage system = *storage-system-name*) In the [Storage Systems] view for Replication Manager, specify [Pair Management Server for the Snapshot Groups], and then try the operation again.	*Cause* - *Action* In the [Storage Systems] view for Replication Manager, specify [Pair Management Server for the Snapshot Groups], and then try the operation again.
KAIC70028-E	The task for the copy topology could not be initiated. (details = *detail-information*) The selected resources might already be in use by another task or they might have been deleted. Cancel the operation, and then check the statuses of the resources.	*Cause* The selected resources might already be in use by another task or they might have been deleted. *Action* Cancel the operation, and then check the statuses of the resources.
KAIC70029-E	The task could not be initiated because required information could not be acquired. The replication configuration might have been changed. Cancel the operation, and then check the statuses of the resources.	*Cause* The replication configuration might have been changed. *Action* Cancel the operation, and then check the statuses of the resources.
KAIC70030-E	The selected copy topology could not be expanded by using the Replication tab,	*Cause* - *Action*

Message ID	Message Text	Description
	because the copy topology includes Simplex copy pairs. Use the Change Pair Status wizard to change the statuses of the copy pairs, and then try again. Alternatively, complete the task using Replication Manager.	Use the Change Pair Status wizard to change the statuses of the copy pairs, and then try again. Alternatively, complete the task using Replication Manager.
KAIC70031-E	Information about the selected copy topology could not be displayed. The configuration of the associated resources might have been changed. Close this dialog box, select the site from the navigation area, and then try again.	*Cause* The configuration of the associated resources might have been changed. *Action* Close this dialog box, select the site from the navigation area, and then try again.
KAIC70032-E	The replication configuration data could not be refreshed. (details = *message*) Refer to the details in the message, remove the cause of the problem, and then refresh the replication configuration data again.	*Cause* - *Action* Refer to the details in the message, remove the cause of the problem, and then refresh the replication configuration data again.
KAIC70033-E	*resource* could not be created. (details = *error-message* (*detailed-error-message*)) Refer to the details in the message, remove the cause of the problem, and then try again.	*Cause* - *Action* Refer to the details in the message, remove the cause of the problem, and then try again.
KAIC70034-W	One or more secondary volumes exist, for which pair removal was completed. The volume (storage system = *storage-system*, secondary volume = *secondary-volume*) cannot be deleted because it has the NAS Platform (User LU) attribute.	*Cause* The volume (storage system = *storage-system*, secondary volume = *secondary-volume*) cannot be deleted because it has the NAS Platform (User LU) attribute. *Action* -
KAIC70035-E	*resource* might not have been created. The Replication Manager task was deleted during execution. Display the latest configuration. Then, check whether the requested resources were created.	*Cause* The Replication Manager task was deleted during execution. *Action* Display the latest configuration. Then, check whether the requested resources were created.
KAIC70036-E	The specified value is invalid. (parameter name = *parameter-name*, specified value = *specified-value*) Check	*Cause* - *Action*

Message ID	Message Text	Description
	and revise the parameters, if necessary.	Check and revise the parameters, if necessary.
KAIC70037-E	The specified number of characters exceeds the maximum allowable number of characters. (parameter name = *parameter-name*, specified value = *specified-value*, maximum number of characters = *maximum-number*) Check and revise the parameters, if necessary.	*Cause* - *Action* Check and revise the parameters, if necessary.
KAIC70038-E	The specified value is less than the minimum required value. (parameter name = *parameter-name*, specified value = *specified-value*, minimum value = *minimum-value*) Check and revise the parameters, if necessary.	*Cause* - *Action* Check and revise the parameters, if necessary.
KAIC70039-E	The specified value is greater than the maximum allowable value. (parameter name = *parameter-name*, specified value = *specified-value*, maximum value = *maximum-value*) Check and revise the parameters, if necessary.	*Cause* - *Action* Check and revise the parameters, if necessary.
KAIC70040-E	Required parameters are not specified. Check and revise the parameters, if necessary.	*Cause* - *Action* Check and revise the parameters, if necessary.
KAIC70041-E	No resource exists at the specified URL. (URL = *url*) Check the URL.	*Cause* - *Action* Check the URL.
KAIC70042-E	The media type specified in the Accept header is not supported. Check the Accept header.	*Cause* - *Action* Check the Accept header.
KAIC70043-E	The media type specified in the Content-Type header is not supported. Check the Content-Type header.	*Cause* - *Action* Check the Content-Type header.

Message ID	Message Text	Description
KAIC70044-E	The specified HTTP method is not allowed. Check the HTTP method.	*Cause* - *Action* Check the HTTP method.
KAIC70045-E	The combination of the specified parameters is invalid. Check and, if necessary, revise the parameters.	*Cause* - *Action* Check and, if necessary, revise the parameters.
KAIC70046-E	The Authorization HTTP header, which is required for authentication, is not specified. Specify the necessary value for the Authorization header.	*Cause* - *Action* Specify the necessary value for the Authorization header.
KAIC70047-E	The user ID or password is incorrect. Check the user ID and password settings.	*Cause* - *Action* Check the user ID and password settings.
KAIC70048-E	User authentication failed. The Authorization header is incorrect. Check and revise the Authorization header, if necessary.	*Cause* The Authorization header is incorrect. *Action* Check and revise the Authorization header, if necessary.
KAIC70049-E	The specified parameter (*parameter*) in the header (*attribute*) is invalid. Check and revise the parameter, if necessary.	*Cause* - *Action* Check and revise the parameter, if necessary.
KAIC70050-E	An error occurred because the value of the specified parameter (*parameter*) is not "*true-type*". Check and revise the parameter, if necessary.	*Cause* - *Action* Check and revise the parameter, if necessary.
KAIC70051-E	The specified object ID in the URL is incorrect or empty. (specified value = *specified-object-id*) Check and revise the object ID format, if necessary.	*Cause* - *Action* Check and revise the object ID format, if necessary.
KAIC70052-E	The specified object (*object-id*) does not exist. Check and revise the object ID, if necessary.	*Cause* - *Action*

Message ID	Message Text	Description
		Check and revise the object ID, if necessary.
KAIC70053-E	The format of the string specified in the request body is invalid. Revise the specified request body so that it is in the correct format.	*Cause* - *Action* Revise the specified request body so that it is in the correct format.
KAIC70054-E	An unexpected error occurred. An internal error might have occurred. Detailed investigation is required to determine the cause and resolve the problem.	*Cause* An internal error might have occurred. *Action* Detailed investigation is required to determine the cause and resolve the problem.
KAIC70055-E	The operation could not be performed, because Replication Manager is in maintenance mode. Change Replication Manager to normal mode, and then try again.	*Cause* - *Action* Change Replication Manager to normal mode, and then try again.
KAIC70056-E	You do not have permission to perform this operation. Perform this operation as a user with the required permissions.	*Cause* - *Action* Perform this operation as a user with the required permissions.
KAIC70057-E	No valid license was found. Register a valid license key.	*Cause* - *Action* Register a valid license key.
KAIC70058-E	The task cannot be registered. A task with this name already exists. Specify a unique task name.	*Cause* - *Action* Specify a unique task name.
KAIC70059-E	There is an error in the information about the copy topology type. Device Manager was upgraded, or there is an error in the copy pair definition. In the [Management] tab, choose a target storage system and click [Refresh Storage Systems], or revise the copy pair definition. When using a volume managed by a remote instance of Device Manager for a global-active device copy pair, update the configuration information from	*Cause* Device Manager was upgraded, or there is an error in the copy pair definition. *Action* In the [Management] tab, choose a target storage system and click [Refresh Storage Systems], or revise the copy pair definition. When using a volume managed by a remote instance of Device Manager for a global-active device copy pair, update the configuration information from [Refresh Settings] of [Other

Message ID	Message Text	Description
	[Refresh Settings] of [Other Operations] in the Copy Topology table.	Operations] in the Copy Topology table.
KAIC70060-E	The host group cannot be created. Not enough host group numbers are available for port *storage-port-name*. Register more host group numbers in the virtual storage machine.	*Cause* - *Action* -
KAIC70061-E	The same storage systems were selected. Select different storage systems.	*Cause* - *Action* Select different storage systems.
KAIC70062-E	You can not proceed to set up operation with this configuration. Device Manager does not support the storage systems and the copy type you specified. Confirm the storage systems and their microcode support the configuration. Also, confirm HDvM and HRpM support it.	*Cause* Device Manager does not support the storage systems and the copy type you specified. *Action* Confirm the storage systems and their microcode support the configuration. Also, confirm HDvM and HRpM support it.
KAIC70063-E	The operation could not be performed, because Replication Manager is in maintenance mode. Change Replication Manager to normal mode, and then try again.	*Cause* - *Action* Change Replication Manager to normal mode, and then try again.
KAIC70064-E	Failed to acquire information of the storage systems. The storage systems might not be managed in HDvM. Close this dialog box and confirm whether the storage systems is managed in the HDvM.	*Cause* The storage systems might not be managed in HDvM. *Action* Close this dialog box and confirm whether the storage systems is managed in the HDvM.
KAIC70065-E	Adding copy pairs is not supported in the current configuration. The current configuration might be unsupported (example: a configuration file that defines volumes on a virtual storage machine). Check the target copy topology.	*Cause* The current configuration might be unsupported (example: a configuration file that defines volumes on a virtual storage machine). *Action* Check the target copy topology.
KAIC70066-E	Remote copying is not supported on the selected combination of storage	*Cause* - *Action*

Message ID	Message Text	Description
	systems. Select different storage systems.	Select different storage systems.
KAIC70067-E	The task for the copy topology could not be initiated. The selected resources might already be in use by another task or they might have been deleted. Cancel the operation, and then check the statuses of the resources.	*Cause* The selected resources might already be in use by another task or they might have been deleted. *Action* Cancel the operation, and then check the statuses of the resources.
KAIC70068-E	The selected copy topology cannot be expanded because it includes a copy pair in a status other than "Pair". Use [Change Pair Status] to set all copy pairs in the topology to "Pair" status, and then retry the operation.	*Cause* - *Action* Use [Change Pair Status] to set all copy pairs in the topology to "Pair" status, and then retry the operation.
KAIC70069-E	You cannot change the selected copy topology in the Replication tab. Perform the operation using Replication Manager.	*Cause* - *Action* Perform the operation using Replication Manager.
KAIC70070-E	A secondary volume could not be set automatically. No volume meets the conditions. Create a new volume or revise an allocated volume, and then click the [Automatically Set Secondary Volumes] button again.	*Cause* No volume meets the conditions. *Action* Create a new volume or revise an allocated volume, and then click the [Automatically Set Secondary Volumes] button again.
KAIC70071-E	The selected copy topology cannot be expanded because it includes a global-active device copy pair for which a CTG ID is not set.	*Cause* - *Action* -
KAIC70072-E	The selected copy topology cannot be expanded. The combination of storage systems does not support 3DC with Delta Resync. Check the copy topology.	*Cause* The combination of storage systems does not support 3DC with Delta Resync. *Action* Check the copy topology.
KAIC70073-W	One or more secondary volumes exist, for which pair removal was completed. The volume (storage system = *storage-system*, secondary volume = *secondary-volume*) cannot be deleted because it	*Cause* The volume (storage system = *storage-system*, secondary volume = *secondary-volume*) cannot be deleted because it has the NAS Platform (System LU) attribute. *Action*

Message ID	Message Text	Description
	has the NAS Platform (System LU) attribute.	-
KAIC70074-W	The ALUA attribute of the secondary volume cannot be changed to match the primary volume. The Device Manager instance (service) at the remote site (*device-manager*) has not been started, or the version is old. Make sure that the Device Manager service is running. If necessary, update the Device Manager version, and then try again.	*Cause* The Device Manager instance (service) at the remote site (*device-manager*) has not been started, or the version is old. *Action* Make sure that the Device Manager service is running. If necessary, update the Device Manager version, and then try again.
KAIC70075-E	The [Continue I/O using secondary volumes] setting cannot be set. A consistency group ID is specified for the copy pair, and not all copy pairs in the copy group are selected. Select all copy pairs, or clear the [Continue I/O using secondary volumes] check box.	*Cause* A consistency group ID is specified for the copy pair, and not all copy pairs in the copy group are selected. *Action* Select all copy pairs, or clear the [Continue I/O using secondary volumes] check box.
KAIC70076-E	A copy group contains a copy pair for which the copy direction is different. (copy group = *copy-group-name*) In Replication Manager, revise the configuration so that all copy pairs are in the same copy direction.	*Cause* - *Action* In Replication Manager, revise the configuration so that all copy pairs are in the same copy direction.
KAIC70077-E	The selected copy topology cannot be shrunk by using the Replication tab, because the copy topology contains a remote copy pair in the Simplex status. Either use Replication Manager or use the Change Pair Status wizard to change the status of the copy pair, then try again.	*Cause* - *Action* Either use Replication Manager or use the Change Pair Status wizard to change the status of the copy pair, then try again.
KAIC70078-E	The selected copy topology cannot be shrunk because the configuration is 3DC Cascade. To change a 3DC Cascade configuration to a 3DC Multi Target with Delta Resync configuration, reduce the target copy topology to "2DC Remote Copy". Next, extend the copy topology to "3DC Multi Target", and then to "3DC Multi Target with Delta Resync".	*Cause* - *Action* To change a 3DC Cascade configuration to a 3DC Multi Target with Delta Resync configuration, reduce the target copy topology to "2DC Remote Copy". Next, extend the copy topology to "3DC Multi Target", and then to "3DC Multi Target with Delta Resync".

Message ID	Message Text	Description
KAIC70079-E	The selected copy topology cannot be shrunk because the configuration is Global-Active Device and Universal Replicator with Delta Resync. Use Replication Manager to complete the task.	*Cause* - *Action* Use Replication Manager to complete the task.
KAIC70080-E	The topology type could not be expanded. Create a bidirectional remote path between *primary-storage-system* and *secondary-storage-system*.	*Cause* - *Action* Create a bidirectional remote path between *primary-storage-system* and *secondary-storage-system*.
KAIC70081-W	One or more secondary volumes exist, for which pair removal was completed. The volume (storage system = *storage-system*, secondary volume = *secondary-volume*) cannot be deleted, because dedupe and compression is enabled.	*Cause* The volume (storage system = *storage-system*, secondary volume = *secondary-volume*) cannot be deleted, because dedupe and compression is enabled. *Action* -
KAIC71000-E	End time must be later than the start time. Revise the time.	*Cause* - *Action* Revise the time.
KAIC71001-E	Specified start time is earlier than *earliest-time-that-can-be-specified*. The start time cannot be earlier than 30 days before the current time. Revise the time.	*Cause* The start time cannot be earlier than 30 days before the current time. *Action* Revise the time.
KAIC71002-E	Specified end time is later than *latest-time-that-can-be-specified*. The end time cannot be later than the current time. Revise the time.	*Cause* The end time cannot be later than the current time. *Action* Revise the time.
KAIC71003-E	Specified start time is later than *latest-time-that-can-be-specified*. The start time cannot be later than the current time. Revise the time.	*Cause* The start time cannot be later than the current time. *Action* Revise the time.
KAIC71004-E	Specified end time is earlier than *earliest-time-that-can-be-specified*. The end time cannot be earlier than 30 days before	*Cause* The end time cannot be earlier than 30 days before the current time. *Action* Revise the time.

Message ID	Message Text	Description
	the current time. Revise the time.	
KAIC71005-I	Maximum number of charts is *max-size-of-configurable-charts*. To add new chart, remove existing ones	*Cause* - *Action* To add new chart, remove existing ones
KAIC71006-W	There are path groups to which network bandwidth is not set. To increase quality of performance analysis, set network bandwidth.	*Cause* - *Action* To increase quality of performance analysis, set network bandwidth.
KAIC71007-E	No performance data which can be analyzed. Close dialog. To analyze performance data, check the configuration of HTnM, and wait until performance data is collected or refresh performance data by manually.	*Cause* - *Action* Close dialog. To analyze performance data, check the configuration of HTnM, and wait until performance data is collected or refresh performance data by manually.
KAIC71008-E	Performance data is not collected yet within specified time period. To analyze performance data within specified time period, wait until performance data is collected or refresh performance data by manually.	*Cause* - *Action* To analyze performance data within specified time period, wait until performance data is collected or refresh performance data by manually.
KAIC71009-W	Network Bandwidth is not set. To increase quality of performance analysis, set network bandwidth.	*Cause* - *Action* To increase quality of performance analysis, set network bandwidth.
KAIC71010-W	Network Bandwidth is not set. To increase quality of performance analysis, set network bandwidth. Ask a user with modify privilege to set network bandwidth.	*Cause* - *Action* To increase quality of performance analysis, set network bandwidth. Ask a user with modify privilege to set network bandwidth.
KAIC71011-E	Unable to find the specified copy group. The specified copy group might be deleted. Cancel the operation and verify the copy group list, then select valid copy groups.	*Cause* The specified copy group might be deleted. *Action*

Message ID	Message Text	Description
		Cancel the operation and verify the copy group list, then select valid copy groups.
KAIC71012-W	A memo could not be created because the size of the chart window is smaller than the size of the memo. To create a memo, enlarge the chart window.	*Cause* - *Action* To create a memo, enlarge the chart window.
KAIC71013-W	No more memos can be created. A maximum of *memo-writing-maximum* memos can be created for each analysis. To create more memos, delete any unnecessary memos. Some memos might have been created for metrics or time periods that are not currently displayed.	*Cause* - *Action* To create more memos, delete any unnecessary memos. Some memos might have been created for metrics or time periods that are not currently displayed.
KAIC71014-W	The number of characters has reached the limit. The maximum number of characters is *invalid-characters*.	*Cause* - *Action* The maximum number of characters is *invalid-characters*.
KAIC71017-E	The memo could not be saved. Verify whether the database has been started. If the database has not been started, re-start it, and then try again. If the database has been started, there might be an internal error. Please contact the Support Center.	*Cause* Verify whether the database has been started. *Action* If the database has not been started, re-start it, and then try again. If the database has been started, there might be an internal error. Please contact the Support Center.
KAIC71018-E	Memos could not be loaded. Verify whether the database has been started. If the database has not been started, re-start it, and then try again. If the database has been started, there might be an internal error. Please contact the Support Center.	*Cause* Verify whether the database has been started. *Action* If the database has not been started, re-start it, and then try again. If the database has been started, there might be an internal error. Please contact the Support Center.
KAIC71019-W	Some memos exist that are not displayed on the chart. To display these memos, change the time period.	*Cause* - *Action* To display these memos, change the time period.

Message ID	Message Text	Description
KAIC71020-I	Memos added to charts that include user-customized metrics are not applied to exported PDF reports.	*Cause* - *Action* -
KAIC71021-I	Are you sure you want to delete the memo?	*Cause* - *Action* -
KAIC71026-W	When [OK] button is clicked, all the saved memos, including the memos for other copy groups, will be deleted. Do you want to continue? If you want to save your memos, you should export a performance report before changing a chart.	*Cause* - *Action* -
KAIC71030-W	The performance data does not exist in the analysis period within a specified. It is possible that the software on Tuning Manager has not been configured to collect performance data, or the Tuning Manager Agent for RAID is out of date. If the version is earlier than *version*, upgrade to a later version of Tuning Manager Agent for RAID. If the software has not been configured to collect performance data, please do so.	*Cause* It is possible that the software on Tuning Manager has not been configured to collect performance data, or the Tuning Manager Agent for RAID is out of date. *Action* If the version is earlier than *version*, upgrade to a later version of Tuning Manager Agent for RAID. If the software has not been configured to collect performance data, please do so.
KAIC71031-E	No performance data which can be analyzed. Close dialog. To analyze performance data, check the configuration of Performance Advisor, and wait until performance data is collected or refresh performance data by manually.	*Cause* - *Action* Close dialog. To analyze performance data, check the configuration of Performance Advisor, and wait until performance data is collected or refresh performance data by manually.
KAIC71032-W	The performance data does not exist in the analysis period within a specified. It is possible that the software on Performance Advisor has not been configured to collect performance data, or the Performance Advisor is out of date. If the software has not	*Cause* It is possible that the software on Performance Advisor has not been configured to collect performance data, or the Performance Advisor is out of date. *Action*

Message ID	Message Text	Description
	been configured to collect performance data, please do so.	If the software has not been configured to collect performance data, please do so.
KAIC71033-W	The R-JNL Transfer and Process Time threshold is not set. To increase quality of performance analysis, set R-JNL Transfer and Process Time threshold.	*Cause* - *Action* To increase quality of performance analysis, set R-JNL Transfer and Process Time threshold.
KAIC71034-W	The R-JNL Transfer and Process Time threshold is not set. To increase quality of performance analysis, set R-JNL Transfer and Process Time threshold. Ask a user with modify privilege to set these thresholds.	*Cause* - *Action* To increase quality of performance analysis, set R-JNL Transfer and Process Time threshold. Ask a user with modify privilege to set these thresholds.
KAIC71035-W	Network Bandwidth and the R-JNL Transfer and Process Time threshold are not set. To increase quality of performance analysis, set these thresholds.	*Cause* - *Action* To increase quality of performance analysis, set these thresholds.
KAIC71036-W	Network Bandwidth and the R-JNL Transfer and Process Time threshold are not set. To increase quality of performance analysis, set these thresholds. Ask a user with modify privilege to set these thresholds.	*Cause* - *Action* To increase quality of performance analysis, set these thresholds. Ask a user with modify privilege to set these thresholds.
KAIC71037-W	There is a copy group where the R-JNL Transfer and Process Time threshold is not set. The threshold is displayed on the graph as a horizontal line to help confirm there is a problem.	*Cause* - *Action* The threshold is displayed on the graph as a horizontal line to help confirm there is a problem.
KAIC71038-I	If a secondary storage system port being used by the copy group (*copygroupname*) is also being used as an external port, the Array Port Transfer Rate includes data transferred over the external path.	*Cause* - *Action* -
KAIC71039-E	The site could not be deleted. (target site = *sitename*) One or more storage systems are registered to the specified site. Move all registered storage	*Cause* One or more storage systems are registered to the specified site. *Action*

Message ID	Message Text	Description
	systems to a different site, and then try again.	Move all registered storage systems to a different site, and then try again.
KAIC71040-E	Specify a site name.	*Cause* - *Action* -
KAIC71041-E	The specified site name (*site-name*) is already in use.	*Cause* - *Action* -
KAIC71042-E	Specify a site name consisting of *minimum-length* to *maximum-length* characters.	*Cause* - *Action* -
KAIC71043-E	You cannot specify a site name that consists of only spaces.	*Cause* - *Action* -
KAIC71044-E	The site name contains an invalid character. The specifiable characters are alphanumeric characters (A-Z, a-z, and 0-9), spaces, and the following symbols: ` ~ ! " # $ % & ' ( ) * + , - . / : ; < = > ? @ [\\ ] ^ _ { | } Use only valid characters in the site name.	*Cause* - *Action* Use only valid characters in the site name.
KAIC71052-E	Some items that were already set are now inconsistent because settings for a volume were changed. If you changed the settings for the primary volume, then reconfigure the settings for the secondary volume. If no secondary volume can be selected, then create a new volume.	*Cause* - *Action* If you changed the settings for the primary volume, then reconfigure the settings for the secondary volume. If no secondary volume can be selected, then create a new volume.
KAIC71053-E	There are no storage systems that can be selected. Check the remote path settings of the storage system. If necessary, add a storage system by using the [Administration] tab.	*Cause* - *Action* Check the remote path settings of the storage system. If necessary, add a storage system by using the [Administration] tab.
KAIC71054-W	A Universal Replicator copy group could not be created,	*Cause*

Message ID	Message Text	Description
	because no two-way path exists between the specified storage systems.	- *Action* -
KAIC71055-E	The site could not be created. The maximum number of sites is *upper-limit*.	*Cause* The maximum number of sites is *upper-limit*. *Action* -
KAIC71056-E	The pair management server to which the command device of the selected storage system was assigned could not be found. Check the settings of the pair management server. If necessary, assign a command device to the server.	*Cause* - *Action* Check the settings of the pair management server. If necessary, assign a command device to the server.
KAIC71057-E	There are no available journal groups. Check the journal group settings. If necessary, set up a journal group.	*Cause* - *Action* Check the journal group settings. If necessary, set up a journal group.
KAIC71058-E	The specified UDP port number is already in use on the same pair management server. Specify a different UDP port number, and then try again.	*Cause* - *Action* Specify a different UDP port number, and then try again.
KAIC71059-E	The specified instance number is already in use on the same pair management server. Specify a different instance number, and then try again.	*Cause* - *Action* Specify a different instance number, and then try again.
KAIC71060-E	The specified UDP port number is already in use in the same copy topology. Specify a different UDP port number, and then try again.	*Cause* - *Action* Specify a different UDP port number, and then try again.
KAIC71062-E	There are no copy types that can be selected. The license for the program product of the storage system has not been correctly registered. Check the license status. If necessary, register a license.	*Cause* The license for the program product of the storage system has not been correctly registered. *Action* Check the license status. If necessary, register a license.
KAIC71063-E	The operation could not be performed, because Replication	*Cause*

Message ID	Message Text	Description
	Manager is in maintenance mode. Change Replication Manager to normal mode, and then try again.	- *Action* Change Replication Manager to normal mode, and then try again.
KAIC71064-E	The selected volumes cannot be used as pair volumes. The selected volumes are already used in other copy pairs. Select different volumes, and then try again.	*Cause* The selected volumes are already used in other copy pairs. *Action* Select different volumes, and then try again.
KAIC71065-E	This field cannot be omitted. Specify a name.	*Cause* - *Action* Specify a name.
KAIC71066-E	The name contains an invalid character. Specify a name by using only alphanumeric characters (A-Z, a-z, and 0-9) and the following symbols: - _ . @	*Cause* - *Action* Specify a name by using only alphanumeric characters (A-Z, a-z, and 0-9) and the following symbols: - _ . @
KAIC71067-E	The name contains an invalid character. Specify a name by using only alphanumeric characters (A-Z, a-z, and 0-9), spaces, and the following symbols: - _ . @ : , \\ /	*Cause* - *Action* Specify a name by using only alphanumeric characters (A-Z, a-z, and 0-9), spaces, and the following symbols: - _ . @ : , \\ /
KAIC71068-E	The specified name is invalid. The name cannot start with a hyphen (-). Specify a different name, and then try again.	*Cause* The name cannot start with a hyphen (-). *Action* Specify a different name, and then try again.
KAIC71069-E	The snapshot group name is too long. Specify a snapshot group name that does not exceed *max-number* characters.	*Cause* - *Action* Specify a snapshot group name that does not exceed *max-number* characters.
KAIC71070-E	The Change Pair Status wizard could not be started. The statuses of copy pairs from different copy groups cannot be changed at the same time.	*Cause* The statuses of copy pairs from different copy groups cannot be changed at the same time.

Message ID	Message Text	Description
	Check and revise the selected copy pairs if necessary, and then try again.	*Action* Check and revise the selected copy pairs if necessary, and then try again.
KAIC71071-E	The host group could not be created. The WWN/iSCSI name of the host is already registered to an existing host group. Specify an existing host group, or revise the settings of the host.	*Cause* The WWN/iSCSI name of the host is already registered to an existing host group. *Action* Specify an existing host group, or revise the settings of the host.
KAIC71073-E	The operation could not be performed for the specified copy topology. The resources of the copy topology have been reserved in Replication Manager. Check the status of the resources in Replication Manager. If necessary, cancel the reservation of the resources in Replication Manager, and then try again.	*Cause* The resources of the copy topology have been reserved in Replication Manager. *Action* Check the status of the resources in Replication Manager. If necessary, cancel the reservation of the resources in Replication Manager, and then try again.
KAIC71075-E	There are no allocated volumes. If necessary, create volumes and allocate them to hosts. Then, try again.	*Cause* - *Action* If necessary, create volumes and allocate them to hosts. Then, try again.
KAIC71076-E	The same CTG ID is specified for more than one local copy group. Check and, if necessary, revise the CTG ID. Then, try again.	*Cause* - *Action* Check and, if necessary, revise the CTG ID. Then, try again.
KAIC71077-E	The same MU number is specified for more than one local copy group. Check and, if necessary, revise the MU number. Then, try again.	*Cause* - *Action* Check and, if necessary, revise the MU number. Then, try again.
KAIC71078-E	The selected alert cannot be handled by this operation. Complete the task using Replication Manager.	*Cause* - *Action* Complete the task using Replication Manager.
KAIC71079-E	Settings for a host group are invalid. If a host group that has the WWN or iSCSI name of the host exists in the specified storage port, specify that host	*Cause* - *Action*

Message ID	Message Text	Description
	group. Otherwise, if no host group has a WWN or iSCSI name specified, then create a new host group.	If a host group that has the WWN or iSCSI name of the host exists in the specified storage port, specify that host group. Otherwise, if no host group has a WWN or iSCSI name specified, then create a new host group.
KAIC71080-E	Both an IPv4 address and an IPv6 address are selected for [Host Name/IP Address] in the settings of the primary pair management server and secondary pair management server. Use only IPv4 addresses or only IPv6 addresses for the primary and secondary pair management servers.	*Cause* - *Action* Use only IPv4 addresses or only IPv6 addresses for the primary and secondary pair management servers.
KAIC71081-E	The specified instance number is already being used in the same copy topology. Revise the settings for the instance number. If the same instance is to be used for the pair management server, then set the instances so that they both use the same host name/IP address and UDP port number.	*Cause* - *Action* Revise the settings for the instance number. If the same instance is to be used for the pair management server, then set the instances so that they both use the same host name/IP address and UDP port number.
KAIC71082-E	You can create up to three ShadowImage copy groups that share the same primary volume.	*Cause* - *Action* -
KAIC71083-E	The Change Pair Status wizard could not be started. The copy group or copy pair related to the selected alert has been deleted.	*Cause* The copy group or copy pair related to the selected alert has been deleted. *Action* -
KAIC71084-E	The same pair management server and instance number are specified for both the primary and secondary sides. Change the specified pair management server and instance number. To use the same pair management server on both the primary and secondary sides, specify different instance numbers.	*Cause* - *Action* Change the specified pair management server and instance number. To use the same pair management server on both the primary and secondary sides, specify different instance numbers.
KAIC71085-E	The specified copy group name cannot be used. A copy group	*Cause*

Message ID	Message Text	Description
	that has the same name has already been registered for the specified instance. Change the copy group name or specify a different instance number.	A copy group that has the same name has already been registered for the specified instance. *Action* Change the copy group name or specify a different instance number.
KAIC71086-E	The specified snapshot group name cannot be used. A snapshot group that has the same name has already been registered in the storage system. Specify a different snapshot group name.	*Cause* A snapshot group that has the same name has already been registered in the storage system. *Action* Specify a different snapshot group name.
KAIC71087-E	The same storage systems were selected. Select different storage systems.	*Cause* - *Action* Select different storage systems.
KAIC71088-E	The volume cannot be allocated as a global-active device pair volume because the LUN path is configured to use iSCSI ports.	*Cause* - *Action* -
KAIC71089-E	Processing is taking a long time. After closing this dialog box, wait a while and then click [Refresh Display] to check the current status.	*Cause* - *Action* After closing this dialog box, wait a while and then click [Refresh Display] to check the current status.
KAIC71090-E	There are no registered storage systems. If no storage systems are registered, add one in the [Administration] tab. To set up a storage system that is managed by a Device Manager at a remote site, click [Add Device Manager].	*Cause* - *Action* If no storage systems are registered, add one in the [Administration] tab. To set up a storage system that is managed by a Device Manager at a remote site, click [Add Device Manager].
KAIC71091-E	An alert could not be set for the snapshot group.	*Cause* - *Action* -
KAIC71092-E	The specified host group or iSCSI target is already registered with the selected storage port. Enter a different name.	*Cause* - *Action* Enter a different name.

Message ID	Message Text	Description
KAIC71093-E	A LUN path setting is invalid. More than one WWN or iSCSI name is included in the selected host group or iSCSI target. Add LUN paths for all hosts that will use the host group or iSCSI target. If necessary, revise the configuration of the host group or iSCSI target.	*Cause* More than one WWN or iSCSI name is included in the selected host group or iSCSI target. *Action* Add LUN paths for all hosts that will use the host group or iSCSI target. If necessary, revise the configuration of the host group or iSCSI target.
KAIC71094-E	There are no selectable storage systems. The number of storage systems that can be created by the target copy topology is insufficient. Check the license, and register it if necessary. Add storage systems if storage systems are not registered for Device Manager.	*Cause* The number of storage systems that can be created by the target copy topology is insufficient. *Action* Check the license, and register it if necessary. Add storage systems if storage systems are not registered for Device Manager.
KAIC71095-E	You cannot use the specified storage system. You did not complete configuring the following resources: 1. Bidirectional Remote Paths 2. Quorum Disks 3. Virtual Storage Machines Configure the resources by using Set up Replication/GAD.	*Cause* You did not complete configuring the following resources: 1. Bidirectional Remote Paths 2. Quorum Disks 3. Virtual Storage Machines *Action* Configure the resources by using Set up Replication/GAD.
KAIC71096-W	The number of available LDEV IDs is insufficient, or available LDEV IDs cannot be obtained. Register an LDEV ID for virtual storage machine, or use an existing volume. If the storage system is managed by a remote instance of Device Manager, then the version of Device Manager must be v8.2.1 or later.	*Cause* - *Action* Register an LDEV ID for virtual storage machine, or use an existing volume. If the storage system is managed by a remote instance of Device Manager, then the version of Device Manager must be v8.2.1 or later.
KAIC71097-E	You cannot use the specified host group. The specified host group and volume are in different virtual storage machines. Set another host group name.	*Cause* The specified host group and volume are in different virtual storage machines. *Action* Set another host group name.
KAIC71098-E	A quorum disk could not be created because multiple volumes are specified. Please select only one volume.	*Cause* - *Action*

Message ID	Message Text	Description
		Please select only one volume.
KAIC71099-E	Specify a copy topology name consisting of 1 to 64 characters.	*Cause* - *Action* -
KAIC71100-E	You cannot specify a copy topology name that consists of only spaces.	*Cause* - *Action* -
KAIC71101-E	There are no secondary volumes that can be set for the primary volume. Select volumes that meet the conditions.	*Cause* - *Action* Select volumes that meet the conditions.
KAIC71102-E	A primary volume that does not have a candidate secondary volume, exists. An insufficient number of volumes meet the conditions. Create a new volume or revise an allocated volume, and then click the [Select Secondary Volumes] button again.	*Cause* An insufficient number of volumes meet the conditions. *Action* Create a new volume or revise an allocated volume, and then click the [Select Secondary Volumes] button again.
KAIC71103-E	This operation cannot be performed for the selected volumes. The target volume is already virtualized, or an external path was assigned. If the volume for the quorum disk is already virtualized, select other volumes. If you want to virtualize volumes assigned to the external ports of the primary or secondary storage system, either release the path and try again, or select [Use an unmanaged external storage system] in [Configure Quorum Disks] of [Set up Replication/ GAD] to virtualize volumes.	*Cause* The target volume is already virtualized, or an external path was assigned. *Action* If the volume for the quorum disk is already virtualized, select other volumes. If you want to virtualize volumes assigned to the external ports of the primary or secondary storage system, either release the path and try again, or select [Use an unmanaged external storage system] in [Configure Quorum Disks] of [Set up Replication/GAD] to virtualize volumes.
KAIC71104-W	The host mode (and host option) of the primary host cannot be applied to a new host group or iSCSI target. The host modes (or host mode options) of the host groups or iSCSI targets differ between the selected primary volumes. Alternatively, the secondary storage system does not	*Cause* The host modes (or host mode options) of the host groups or iSCSI targets differ between the selected primary volumes. Alternatively, the secondary storage system does not support the settings of one or more primary volumes. *Action*

Message ID	Message Text	Description
	support the settings of one or more primary volumes.	-
KAIC71105-W	The asymmetric access status cannot be set. The Device Manager instance (service) at the remote site (*device-manager*) has not been started, or the version is old. Make sure that the Device Manager service is running. If necessary, update the Device Manager version, and then try again.	*Cause* The Device Manager instance (service) at the remote site (*device-manager*) has not been started, or the version is old. *Action* Make sure that the Device Manager service is running. If necessary, update the Device Manager version, and then try again.

KAIC90000 - KAIC99999

The following table describes messages KAIC90000 to KAIC99999, which are related to the Device Manager CLI. Unless stated otherwise, *server* refers to the Hitachi Command Suite management server.

Table 2-15 KAIC90000 - KAIC99999 (messages related to the Device Manager CLI)

Message ID	Message Text	Description
KAIC90000-E	An internal error occurred in CLI.	Contact the Support Center.
KAIC90001-E	Malformed key/value pair: *specified-key-value* (must be in the form key=value)	Revise the specification.
KAIC90002-E	Malformed parameter key: *specified-key-value* (must be in the form key=value)	Revise the specification.
KAIC90003-E	Malformed parameter value: *specified-key-value* (must be in the form key=value)	Revise the specification.
KAIC90004-E	An argument is required for the option *specified-option*.	Revise the specification.
KAIC90005-E	The option "*specified-option*" is not valid.	Revise the specification.
KAIC90006-E	Value of *key-name* must be an integer; could not parse *specified-value*	Revise the specification.
KAIC90007-E	An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*".	Revise the specification, and then try again.

Message ID	Message Text	Description
KAIC90008-E	An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*".	Revise the specification, and then try again.
KAIC90009-E	"LogicalUnit" must be specified in parameter "*error-parameter-name*" before using parameter "*related-parameter-name*".	Revise the specification.
KAIC90010-E	An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*".	Revise the specification, and then try again.
KAIC90011-E	Value of channelspeed must be an integer. You entered "*specified-value*".	Revise the specification.
KAIC90012-E	Cannot query Logical Group for contained elements of type "*element-type*".	Revise the specification.
KAIC90013-E	Model = *model-name* not supported.	Revise the specification.
KAIC90014-E	Parameter "wwn" must have at least two WWNs.	Revise the specification.
KAIC90015-E	The list element *element-name* could not be added to the Host as a WWN.	Revise the specification.
KAIC90016-E	If either serial number or model is specified for an array, both must be specified.	Revise the specification.
KAIC90017-E	Value of devnums must be a positive integer. You entered "*specified-devnums-value*".	Revise the specification.
KAIC90018-E	Value of devnum must be a positive integer. You entered "*specified-devnum-value*".	Revise the specification.
KAIC90019-E	Could not translate to a WWN from *wwn-string*: *detail-message*	Revise the specification.
KAIC90020-E	There is no way to make a WWN for "*management-object*".	Revise the specification.
KAIC90021-E	The object type cannot be determined.	Revise the specification, and then try again.
KAIC90022-E	The specified object is not a path.	Revise the specification, and then try again.
KAIC90023-E	An invalid value "*parameter-value*" has been specified for parameter "*parameter-name*".	Revise the specification, and then try again.

Message ID	Message Text	Description
KAIC90024-E	"*parameter-name*" must be specified in parameter "*relation-paramater-name(1)*" before using parameter "*relation-paramater-name(2)*".	Revise the specification.
KAIC90025-E	Cannot query *parameter-name* without *relation-paramater-name(1)* in *relation-paramater-name(2)*.	Revise the specification.
KAIC90026-E	"*model-name*" is not a model name recognized by Device Manager CLI.	Revise the specification.
KAIC90027-E	The model does not support the command "*specified-command*".	Revise the specification, and then try again.
KAIC90028-E	Modifying Option Definitions while parsing is illegal.	If the problem persists, contact the Support Center.
KAIC90029-E	Option already defined using character "*define-option-character*" - *existing-option-name*; cannot define option *define-option-name*	Contact the Support Center.
KAIC90030-E	Option already defined long option "*define-option-name*" - *existing-option-character*; cannot define *define-option-character*	Contact the Support Center.
KAIC90031-E	Could not correctly parse xml to determine service.	Revise the specified XML.
KAIC90032-E	Bad URL.	Revise the specified URL.
KAIC90033-E	Invalid response received.	Contact the Support Center.
KAIC90034-E	Could not correctly parse response xml.	Contact the Support Center.
KAIC90035-E	An error occurred while receiving a response. Make sure the URL is correct, and the server is usable. Cause: *URL*	Revise the options, URL, and server settings. Make sure that the URL host name is the same as the host name set on the server. If an error still occurs, contact the Support Center.
KAIC90036-E	Unexpected error.	Contact the Support Center.
KAIC90037-E	Invalid Virtual List String - String is null or length is zero.	Contact the Support Center.
KAIC90038-E	Invalid Virtual List String - length must be even.	Contact the Support Center.
KAIC90039-E	Invalid Virtual List String - string not in hex format.	Contact the Support Center.

Message ID	Message Text	Description
KAIC90040-E	Failed to add the WWN : *error-WWN*	Revise the specification.
KAIC90041-E	The same WWN "*WWN*" has existed in the same parameter.	Revise the specification.
KAIC90042-E	Invalid parameter value: *specified-parameter-value*	Revise the specification.
KAIC90045-E	Program Error: *detail-message*	Revise the specification.
KAIC90046-E	Invalid WWN : *specified-WWN*, WWN should be "*.*.*.*.*.*.*.*" format. "*" is one or two hexadecimal numbers.	Revise the specification.
KAIC90047-E	The Alerts element cannot contain that element.	Contact the Support Center.
KAIC90048-E	The value: *long-value* of attribute *attribute-name* could not be read as a long value.	Revise the specification.
KAIC90049-E	Illegal value for *attribute-name*: *specified-date*; must be in the form: *required-date-format*	Revise the specification.
KAIC90050-E	The method for reading the XML data cannot be initialized.	Contact the Support Center.
KAIC90051-E	An unexpected type or value was detected in the XML response.	Contact the Support Center.
KAIC90052-E	CommParameters elements cannot contain *element-name* elements.	Revise the specification.
KAIC90053-E	Parameters elements must have a "name" and a "value" attribute.	Revise the specification.
KAIC90054-E	An unexpected element was detected in the XML response.	Contact the Support Center.
KAIC90055-E	Program Error: Could not read file contents.	Contact the Support Center.
KAIC90056-E	An unexpected element was detected in the XML response.	Contact the Support Center.
KAIC90057-E	The object cannot be created.	Contact the Support Center.
KAIC90058-E	An unexpected object has been specified.	Contact the Support Center.
KAIC90059-E	An unexpected type or value was detected in the XML response.	Contact the Support Center.

Message ID	Message Text	Description
KAIC90060-E	The HTTP request XML is invalid.	The XML-API request file specified in the -i option is not valid XML. Review the contents of the file. If the contents of the file are valid, but the problem occurs again, contact the Support Center.
KAIC90061-E	Device Manager does not recognize the *root-element-name* root element	Perform one of the following actions. If you specified the -i option: The format of the XML-API request file specified in the -i option is not valid. Review the contents of the file. If you did not specify the -i option: The specified URL is incorrect. Make sure that the correct Device Manager server URL is specified. If you cannot resolve the problem by performing the above actions, contact the Support Center.
KAIC90062-E	All Device Manager messages must have an <APIInfo> element.	Perform one of the following actions. If you specified the -i option: The format of the XML-API request file specified in the -i option is not valid. Review the contents of the file. If you did not specify the -i option: The specified URL is incorrect. Make sure that the correct Device Manager server URL is specified. If you cannot resolve the problem by performing the above actions, contact the Support Center.
KAIC90063-E	All Device Manager Requests must be in <Request> elements.	Perform one of the following actions. If you specified the -i option: The format of the XML-API request file specified in the -i option is not valid. Review the contents of the file. If you did not specify the -i option: The specified URL is incorrect. Make sure that the correct Device Manager server URL is specified. If you cannot resolve the problem by performing the above actions, contact the Support Center.
KAIC90064-E	All Device Manager Requests elements must contain a Module Element.	Perform one of the following actions. If you specified the -i option: The format of the XML-API request file specified in the -i option is not valid. Review the contents of the file. If you did not specify the -i option:

Message ID	Message Text	Description
		The specified URL is incorrect. Make sure that the correct Device Manager server URL is specified. If you cannot resolve the problem by performing the above actions, contact the Support Center.
KAIC90065-E	Device Manager module element must contain a command element.	Perform one of the following actions. If you specified the `-i` option: The format of the XML-API request file specified in the `-i` option is not valid. Review the contents of the file. If you did not specify the `-i` option: The specified URL is incorrect. Make sure that the correct Device Manager server URL is specified. If you cannot resolve the problem by performing the above actions, contact the Support Center.
KAIC90066-E	Command element must contain a target attribute.	Perform one of the following actions. If you specified the `-i` option: The format of the XML-API request file specified in the `-i` option is not valid. Review the contents of the file. If you did not specify the `-i` option: The specified URL is incorrect. Make sure that the correct Device Manager server URL is specified. If you cannot resolve the problem by performing the above actions, contact the Support Center.
KAIC90067-E	All Device Manager Responses must be in <Response> elements.	Contact the Support Center.
KAIC90068-E	All Device Manager Responses elements must contain an EchoCommand Element.	Contact the Support Center.
KAIC90069-E	Status value of: *status-value* is not one of the allowed values (FAILED | PROCESSING | COMPLETED).	Contact the Support Center.
KAIC90070-E	Service Module must be specified before writing XML.	Contact the Support Center.
KAIC90071-E	Command must be specified before writing XML.	Contact the Support Center.
KAIC90072-E	Command target must be specified before writing XML.	Contact the Support Center.
KAIC90073-E	Attribute *attribute-name* of Element *element-name* has	Contact the Support Center.

Message ID	Message Text	Description
	value= *attribute-value*; integer value is required.	
KAIC90074-E	The HTTP response XML is invalid.	The specified URL is incorrect. Make sure that the correct Device Manager server URL is specified. If the correct URL is specified, but the problem occurs again, contact the Support Center.
KAIC90075-E	All Device Manager Responses must been <Response> elements.	Contact the Support Center.
KAIC90076-E	XML Conversion Unavailable: missing class file.	Contact the Support Center.
KAIC90077-E	Cannot interpret the element *element-name*.	Contact the Support Center.
KAIC90078-E	The object cannot be converted to XML.	Contact the Support Center.
KAIC90079-E	Requires concurrence on date format.	Contact the Support Center.
KAIC90080-E	The value has an unexpected type.	Contact the Support Center.
KAIC90081-E	The value: *attribute-value* of attribute *attribute-name* could not be read as a value of type *type-name*.	Revise the specification.
KAIC90082-E	Device Manager Exception, code= *result-code*, level= *error-level*, source= *error-source*, description=*error-description*	Revise the specification.
KAIC90083-E	Device Manager Server Exception: error code= *result-code* error level= *error-level* error source= *error-source* description=*error-description*	Refer to the error code in this manual, and then perform the corresponding Recommended Action.
KAIC90084-E	Server returned the following HTTP Response: "*response*"; no additional information available.	Refer to the troubleshooting in the CLI manual.
KAIC90085-E	No Response Returned from the Device Manager Server.	Contact the Support Center.
KAIC90086-E	For *any-command* the *option* option must be specified.	Revise the specification.

Message ID	Message Text	Description
KAIC90087-E	For the *command-name* command, the *option* option must be specified.	Revise the specification.
KAIC90088-E	Could not open the file *trace-file-name* for writing the message trace.	Revise the specification.
KAIC90089-E	Could not open the file *input-redirect-file-name* for reading the input.	Revise the specification.
KAIC90090-E	Could not open file *log-file-name* for Logging; will log to console.	Revise the specification.
KAIC90091-E	Must supply a URL from the command line or in the properties file.	Revise the specification.
KAIC90092-E	Could not read password from file *password-file-name*.	Revise the contents of the password file.
KAIC90093-E	Could not find the password file *password-file-name*.	Revise the password file specification.
KAIC90094-E	Error reading the password file *password-file-name*: *cause*	Make sure the status of the password file is correct.
KAIC90095-E	Certificate from Server shows a hostname of *cert-host-name*, but the response is actually from *url-host-name*.	Revise the specification.
KAIC90096-E	Could not open the file *output-redirect-file-name* for writing the output.	Make sure the user has permission to access the specified file.
KAIC90097-E	An attempt to read the property file "*property-file-name*" has failed.	Revise the file specification, and then try again.
KAIC90099-E	Error reading *property-file-name* from executing directory.	Check and, if necessary, revise the specified path setting and the status of the file, and then make sure the file can be accessed.
KAIC90100-E	An attempt to read the property file "*property-file-name*" has failed.	Revise the file specification, and then try again.
KAIC90101-E	Executing with no *property-file-name* Property File.	Revise the specification.
KAIC90102-E	Unrecognized command: *command-name*	Revise the specification.
KAIC90103-E	For the *command-name* command, the *key* value must be specified.	Revise the specification.

Message ID	Message Text	Description
KAIC90104-E	For the *command-name* command, the *item-option-name(1)* or the *item-option-name(2)* must be specified.	Revise the specification.
KAIC90105-E	For the *command-name* command, both the *item-option-name(1)* and the *item-option-name(2)* can not be specified together.	Revise the specification.
KAIC90106-E	Specified parameters not appropriate for the command:	Revise the specification.
KAIC90107-E	Family = *model-name* not recognized;	Revise the specification.
KAIC90108-E	Subtarget *specified-subtarget* not recognized; currently supporting: *storage-array-subtarget-names*	Revise the specification.
KAIC90109-E	PDEV devnum from the *key-name* was not an integer: *specified-pdevnums*	Revise the specification.
KAIC90110-W	HDvM does not support iSCSIName in a virtualization server. If the iSCSIName is set, this registers it as a normal host. (HostName=*hostName*, function=*function*)	If the function = check and you want to register the target host as a virtualization server, then delete the iSCSIName from the host information file. If you want to register it as a normal host, then no action is required.If the function = import, then the target host is registered as a normal host. If you want to register it as a virtualization server, then change it to be a virtual server by using the host edit function.
KAIC90111-E	You cannot specify both hostType and osType at the same time. Please specify one or the other.	Please try again, and specify either osType or hostType.
KAIC90112-E	In the *command-name* command, when specifying *specified-operand*, you have to specify *not-specified-operand*.	Revise the specification.
KAIC90113-E	The "*attribute-name(channel-speed)*" command is not supported on this subsystem.	Revise the specification, and then try again.
KAIC90114-E	Value of *key* must be either true or false; the value *specified-value* is neither.	Revise the specification.
KAIC90115-E	The object type cannot be determined.	Revise the specified groupelements, and then try again.

Message ID	Message Text	Description
KAIC90116-E	Parameters wwn and domain cannot both be specified.	Revise the specification, and then try again.
KAIC90117-E	Either devnum or lusedevnums must be specified.	Revise the specification.
KAIC90118-E	Parameter *option-name(1)* ignored, using *option-name(2)* for LUSE definition.	Revise the specification.
KAIC90119-E	"*option-name(1)*" and "*option-name(2)*" can not be specified together.	Revise the specification.
KAIC90120-E	When "*option-name(1)*", "*option-name(2)*", "*option-name(3)*"(or "*option-name(4)*") and "*option-name(5)*" are specified, they must be specified together.	Revise the specification.
KAIC90121-E	When "*option-name(1)*", "*option-name(2)*", "*option-name(3)*" and "*option-name(4)*" are specified, they must be specified together.	Revise the specification.
KAIC90122-E	The objectid is required when either "*option-name(1)*" or "*option-name(1)*" is specified with "*option-name(2)*".	Revise the specification.
KAIC90123-E	Date-Time entered (*specified-value*) not in the required format: YYYY/MM/DD HH:MM:SS	Revise the specification.
KAIC90124-E	Duplicate execution is not allowed: RefreshStorageArrays	Wait until the executing command finishes, and then try again.
KAIC90125-E	The value specified for osType is invalid. (osType=*osType*)	Try again after reviewing the specifications.
KAIC90126-E	The value specified for hostType is invalid. (hostType=*hostType*)	Try again after reviewing the specifications.
KAIC90127-E	Unrecognized option "*option-name*".	Revise the specification.
KAIC90128-E	Option *option-name* requires an argument.	Revise the specification.
KAIC90129-E	*option-name* is in the longOptionMap. But not in the charOptionMap under *option-character*.	Contact the Support Center.
KAIC90130-E	*option-name* is in the charOptionMap. But not in the longOptionMap.	Contact the Support Center.

Message ID	Message Text	Description
KAIC90131-E	Problem accessing the Device Manager datatype.	Contact the Support Center.
KAIC90132-E	Value of *key-name* must be a long; could not parse *specified-value*	Revise the specification.
KAIC90133-E	The CLI initialization information is invalid.	Contact the Support Center.
KAIC90134-E	Invalid character was detected in the specified userid or password.	Revise the specification.
KAIC90135-E	The number of values of "*parameter-name*" and "*parameter-name*" must be same.	Revise the specification.
KAIC90136-E	The certificate file ("*specified certificate file path*") does not exist in the specified path, or the certificate file is invalid.	Make sure the certificate file is in the specified path and is valid. If you cannot identify the cause of the problem, download the certificate file again.
KAIC90137-E	The certificate file ("*default certificate file path*") does not exist in the default path, or the certificate file is invalid.	Make sure the certificate file is in the default path and is valid. If you cannot identify the cause of the problem, download the certificate file again.
KAIC90138-E	When the -s option is used, URLs must start with https.	Make sure the specified option and URL are correct.
KAIC90139-E	A connection cannot be established. (reason = "*reason why the connection cannot be established*")	Take action based on the cause output to the message, and also make sure that the Device Manager server is running properly. If the message is output due to a temporary network error during a command execution, wait a while, and then check the configuration information because Device Manager server may have already processed command execution requests.
KAIC90140-E	The specified objectID "*specified objectID*" is invalid.	Make sure the objectID is correct.
KAIC90141-E	The API version "*specified-API-version*" specified in the XML request is invalid.	Revise the API version specification.
KAIC90142-E	An internal error occurred. The CLI API version "*CLI-API-version*" is invalid.	Contact the Support Center.
KAIC90143-E	The API version "*specified-API-version*" specified in the XML request exceeds the highest usable version "*highest-usable-version*".	Revise the API version specification.

Message ID	Message Text	Description
KAIC90144-E	Both "*Parameter name (1)*" and "*Parameter name (2)*" must be specified.	Revise the specification, and then try again.
KAIC90145-E	The model of the subsystem must be specified when the parameter "*Parameter name*" is specified.	Revise the specification, and then try again.
KAIC90146-E	An invalid value "*parameter-value*" has been specified for parameter *parameter-name*.	Revise the specification, and then try again.
KAIC90147-E	An invalid value "*parameter-value*" has been specified for parameter *parameter-name*. Specify the value by using an integer, CU:LDEV syntax or LDKC:CU:LDEV syntax.	Revise the specification, and then try again.
KAIC90148-E	An invalid value "*parameter-value*" has been specified for parameter *parameter-name*. Specify the value by using an integer (decimal or hexadecimal).	Revise the specification, and then try again.
KAIC90149-E	Specify either "arraygroupname" or "chassis" and "groupnum".	Revise the specification, and then try again.
KAIC90150-E	"arraygroupname" cannot be specified together with "chassis" and "groupnum".	Revise the specification, and then try again.
KAIC90151-E	Specify either "*Parameter name (1)*" or "*Parameter name (2)*".	Revise the specification, and then try again.
KAIC90152-E	Information in the message was omitted because the message is too long. The original message is as follows:	No action is required.
KAIC90153-E	The object ID of the host or the host name cannot be specified at the same time as the filter used for selecting the host.	Revise the specification, and then try again.
KAIC90154-E	An invalid value "*parameter-value*" has been specified for parameter *parameter-name*.	Revise the specification, and then try again.
KAIC90155-E	When "*parameter-value*" is specified for "*parameter-name*", you must specify the value for "*parameter-name*".	Revise the specification, and then try again.
KAIC90156-E	When "*parameter-value*" is specified for "*parameter-*	Revise the specification, and then try again.

Message ID	Message Text	Description
	name", you cannot specify the value for "*parameter-name*".	
KAIC90157-E	For this model, *parameter-value* cannot be specified for *parameter-name*.	Revise the specification, and then try again.
KAIC90158-E	If "*parameter-name*" is omitted, "*parameter-name*" cannot be used.	Revise the specification, and then retry the operation.
KAIC90159-E	The user ID or password is not specified. Specify a user ID and password to discover the specified subsystem.	Revise the specified values.
KAIC90160-E	The parameter param0 cannot be specified for this model.	Revise the specification.
KAIC90161-E	The parameter param0 must be specified for this model.	Revise the specification.
KAIC90162-E	If the parameter param0 is omitted, the parameter param1 must be specified.	Revise the specification.
KAIC90163-E	Specify one of the following: *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, or *parameter-name*.	Revise the specification.
KAIC90164-E	The "*command-name*" command is not supported on this model.	Revise the specification.
KAIC90165-E	Specify one of the following: *parameter-name*, *parameter-name*, *parameter-name*, *parameter-name*, or *parameter-name*.	Revise the specification.
KAIC90167-E	"*hostname*" is not recognized as a virtualization server.	Revise the specified host.
KAIC90168-E	This command is not supported on virtualization server.	Use RefreshVirtualizationServer to refresh the virtualization server.
KAIC90169-E	No virtualization server or the management software managing the virtualization servers could be detected.	Revise the parameter settings and the virtualization software settings.
KAIC90170-E	The parameter "*parameter-name*" cannot be specified for this Host.	Revise the specification, and then retry the operation.

Message ID	Message Text	Description
KAIC90171-E	The "*specified-command*" command is not supported on this Host.	Revise the specification, and then retry the operation.
KAIC90180-E	The length of the "*parameter-name*" parameter is outside the valid range from "*minimum-value*" to "*maximum-value*".	Specify a valid value.
KAIC90181-E	When "*option-name(1)*","*option-name(2)*" and "*option-name(3)*" are specified, they must be specified together.	Revise the specification, and then try again.
KAIC90182-E	The specified parameter "*Parameter-Name*" is not appropriate.	Revise the specification.
KAIC90183-E	The "*Parameter-Name*" parameter cannot be specified for this microcode version. The minimum required microcode version is "*Microcode-Version*".	Revise the specification.
KAIC90184-E	Specify one of the following: "*parameter-name*", "*parameter-name*", or "*param-name*".	Revise the specification.
KAIC90185-E	Processing to delete the pool and format volumes completed successfully, but one or more volumes are blocked.	Refresh the storage system, and then reformat the blocked volumes.
KAIC90186-E	Processing to delete the pool and format volumes completed successfully, but one or more volumes were changed by another operation.	Refresh the storage system.
KAIC90187-E	Specify at least one of the following: "*parameter-name-1*", "*parameter-name-2*", "*parameter-name-3*", and "*parameter-name-4*".	Specify the required parameters, and then try again.
KAIC90188-E	Specify one of the following: "*parameters*".	Specify the required parameters, and then try again.
KAIC90189-E	Invalid parameters: CLPR-number and other modify parameters cannot be specified at the same time.	Specify the required parameters, and then try again.
KAIC90190-E	"*vmodel-name*" is not a vmodel name recognized by Device Manager CLI.	Revise the specification.

Message ID	Message Text	Description
KAIC90191-E	The specified SVP is not managing any storage systems.	Register a storage system to the SVP, and then try again.
KAIC90192-E	This version of the CLI does not support using a single SVP to manage mulitple storage systems.	Use the most recent version of the CLI.
KAIC90200-E	The number of "iscsiname" values must match the number of "iscsinickname" values.	Revise the specification, and then retry the operation.
KAIC90201-E	The string "*element-name*" could not be added to the host as an iSCSIName.	Revise the specification, and then retry the operation.
KAIC90202-E	An attempt to add the iSCSIName "*error-iSCSIName*" has failed.	Revise the specification, and then retry the operation.
KAIC90203-E	The same iSCSIName "*iSCSIName*" is already specified in the parameter.	Revise the specification, and then retry the operation.
KAIC90204-E	The iSCSIName cannot be specified for the instance "*management-object*".	Revise the specification, and then retry the operation.
KAIC90205-E	Specify one of the following: "*parameter-name*", "*parameter-name*", "*parameter-name*", "*parameter-name*", or "*parameter-name*".	Revise the specification.
KAIC90500-E	Options "-b" and "-i" cannot be specified at the same time.	Revise the specification.
KAIC90501-E	A command or parameter cannot be specified when option "-b" is specified.	Revise the specification.
KAIC90503-E	Both "*Command name*" and "*Command name*" are included in the command specifications in the specified batch file. Only one of these commands can be included in the batch file.	Revise the contents of the batch file.
KAIC90504-E	The number of commands that can be included in the batch file is "*Number*".	Revise the contents of the batch file.
KAIC90505-E	A command "*Command-Name*" that cannot be executed by batch execution has been coded in the batch file.	Revise the contents of the batch file.
KAIC90506-E	The specified batch file cannot be found.	Revise the batch file specification.

Message ID	Message Text	Description
KAIC90507-E	An attempt to read the specified batch file has failed. Remove the cause of the problem, and then re-execute the batch file. Cause: "*Message*"	Remove the cause of the problem, and then re-execute the batch file.
KAIC90508-E	No command has been coded in the batch file.	Revise the contents of the batch file.
KAIC90509-E	The commands coded in the batch file must be for a single subsystem.	Revise the contents of the batch file.
KAIC90510-E	The batch file contains invalid coding in line *Line-Number*.	Revise the contents of the batch file.
KAIC90511-E	An error occurred while reading the batch file. Revise the coding in the batch file, and then re-execute the batch file. Line:*Line-Number* Cause: *Message*	Revise the contents of the batch file, and then try again.
KAIC90512-E	The specified parameter "*Parameter-Name*" is not appropriate for the command "*Command-Name*".	Revise the specification.
KAIC90513-E	The specification of parameter "*Parameter-Name*" is duplicated in the command.	Revise the specification.
KAIC90550-E	There is an error in the syntax of the batch file coding.	Revise the contents of the batch file.
KAIC90551-E	The coding that follows the endbatch line is invalid.	Revise the contents of the batch file.
KAIC90552-E	The beginbatch line is not coded.	Revise the contents of the batch file.
KAIC90553-E	A command or endbatch line is not specified.	Revise the contents of the batch file.
KAIC90556-E	The coding in the beginbatch line is invalid.	Revise the contents of the batch file.
KAIC90557-E	The coding in the endbatch line is invalid.	Revise the contents of the batch file.
KAIC90559-E	A space character is required before the command name.	Revise the contents of the batch file.
KAIC90560-E	Characters other than alphanumeric characters cannot be used in a command name.	Revise the contents of the batch file.
KAIC90562-E	The batch file contains invalid coding.	Revise the contents of the batch file.

Message ID	Message Text	Description
KAIC90563-E	Characters other than alphanumeric characters cannot be used in a parameter name.	Revise the contents of the batch file.
KAIC90564-E	The parameter specification is invalid. The parameter name is incorrect or the parameter has not been specified using the "parameter-name=value" syntax.	Revise the contents of the batch file.
KAIC90565-E	An invalid character is being used in the parameter value. Only ASCII characters can be used. Escaping by "\" is required for spaces and symbols, except for: ",", "-", ".", "/", ":", "=", "_", ";".	Revise the contents of the batch file.
KAIC90566-E	Characters other than symbol characters cannot be escaped. The characters that can be escaped are: " ", "!", """, "#", "$", "%", "&", "'", "(", ")", "*", "+", "<", ">", "?", "@", "[", "\", "]", "^", "`", "{", "|", "}", "~".	Revise the contents of the batch file.
KAIC90569-E	A new line is required at the end of a statement.	Revise the contents of the batch file.
KAIC90570-E	The maximum number of characters that can be specified for a name, such as a parameter name, is "*Length*".	Revise the contents of the batch file.
KAIC90571-E	This is an invalid line. A line feed is required after a carriage return.	Revise the contents of the batch file.
KAIC90572-E	If you specify "*parameter-key-name*", you must also specify "*parameter-key-name*". If you specify "*parameter-key-name*", you must also specify "*parameter-key-name*".	Revise the command parameters, and then re-execute the command.
KAIC90573-E	If you specify "*parameter-key-name*" and "*parameter-key-name*", you must also specify "*parameter-key-name*" and "*parameter-key-name*".	Revise the command parameters, and then re-execute the command.
KAIC90574-E	The memory for the CLI became insufficient while this operation was being performed.	Take either of the following actions: • Increase the memory heap size for the CLI, and then perform the operation again.

Message ID	Message Text	Description
		• Decrease the amount of information to be collected, and then perform the operation again.
KAIC90575-E	The value of the "*parameter-key-name*" parameter is outside the valid range from "*minimum-value*" to "*maximum-value*".	Specify a valid value.
KAIC90576-E	The sum of startElementNumFilter and numOfElementsFilter is outside the valid range from "*minimum-value*" to "*maximum-value*".	Specify a valid value.
KAIC90577-E	The "*parameter-name-list*" and "*parameter-name-list*" parameters cannot be specified at the same time.	Revise the specification, and then retry the operation.
KAIC90600-E	An invalid value "*specified-value*" has been specified for the option "*specified-option*".	Revise the specification, and then retry the operation.
KAIC90601-E	The options "*specified-option*" and "*specified-option*" cannot be specified at the same time.	Revise the specification, and then retry the operation.
KAIC90602-E	The option "*specified-option*" and the command "*specified-command*" cannot be specified at the same time.	Revise the specification, and then retry the operation.
KAIC90603-E	The option "*specified-option*" and the parameter "*specified-parameter*" cannot be specified at the same time.	Revise the specification, and then retry the operation.
KAIC90701-E	The user ID specified for the option -u does not match the user ID in the property file *property-file-name*.	Specify the correct user ID at the command line.
KAIC90702-E	The password specified for [Old password] does not match the password in the property file *property-file-name*.	Specify the correct password at the command line. If the password in the property file cannot be specified correctly at the command line, delete the password from the property file, and then execute the command again.
KAIC90703-E	The passwords specified for [New password] and [Re-enter new password] are not the same.	Specify the correct password at the command line.
KAIC90704-E	An attempt to encode the password has failed.	Revise the execution environment, and then execute the command again. If the problem persists, please contact the Support Center.

Message ID	Message Text	Description
KAIC90705-E	An attempt to decode the password has failed.	Specify the correct user ID that corresponds to the password set in the password2 option. If the problem persists, please contact the Support Center.
KAIC90706-E	An attempt to decode the password failed because the current environment is different from the environment in which the password was encoded.	Delete the password in the property file, and then execute the command again.
KAIC90707-E	Command execution failed because the environment does not support the specific encoding algorithm.	Revise the execution environment, and then execute the command again. If the problem persists, please contact the Support Center.
KAIC90708-E	I/O processing for a file failed or was interrupted. (cause = *Message*)	Remove the cause of error by referring to the error information in the message, and then execute the command again.
KAIC90709-E	An invalid password was specified.	Check which characters are valid and the maximum number of characters for a password, and then specify a valid password.
KAIC90710-E	An attempt to encode or decode the password failed because the execution environment was invalid.	You do not have the permissions necessary to read a file required for executing a CLI command. Make sure the user account used to log in to the OS has the necessary permissions. If you cannot resolve the problem, contact the Support Center.
KAIC90711-E	An attempt to encode or decode the password failed because the execution environment was invalid.	Revise the execution environment, and then execute the command again. If the problem persists, please contact the Support Center.
KAIC90712-E	The password file *password-file-name* could not be written to.	If the password file exists, grant write access for it. If it does not exist, grant write access so that a password file can be made.
KAIC90800-E	No value is specified for *property-key-name* in "*mapping-definition-file-name*".	Revise the setting in the mapping definition file and retry.
KAIC90801-E	The value specified for *property-key-name* in "*mapping-definition-file-name*" is invalid.	Revise the value of the property key and retry.
KAIC90802-E	The values of import.host.column.wwn and import.host.column.iscsiname in "*mapping-definition-file-name*" are -1.	Specify a value of 1 or more for the `import.host.column.wwn` property or the `import.host.column.iscsiname` property.

Message ID	Message Text	Description
KAIC90803-E	The file "*input-file-name*", or the value for *property-key-name* in "*mapping-definition-file-name*" is too large.	Revise the number of records in the input file and the value of the property key in the mapping definition file.
KAIC90804-E	An attempt to read file "*input-file-name*" failed before the records to be processed were read from the file.	Verify the status of the input file.
KAIC90805-E	Records up to *last-record-number* in the file "*input-file-name*" were processed, but processing stopped because the number of records exceeded *limit-of-the-record-number*.	If processing is required for any records displayed in the message, edit the record number to start reading in the mapping definition file, and retry.
KAIC90806-E	Records up to *last-record-number* in the file "*input-file-name*" were processed, but processing stopped because an attempt to read from the file failed.	Verify the status of the input file. If processing is required for any records displayed in the message, edit the record number to start reading in the mapping definition file, and retry.
KAIC90821-E	The record format in the input file is invalid.	Revise the record format in the input file.
KAIC90822-E	"*item-name*" is not specified in the input file record.	Make sure the item displayed in the message is specified in the input file record.
KAIC90823-E	The value "*specified-value*" specified for "*item-name*" in the input file record is invalid.	Revise the specified value.
KAIC90824-E	"*item-name*" is already specified in another record of the input file.	Ensure the value of the item displayed in the message is not duplicated.
KAIC90825-W	The host will be registered with no WWN or iSCSI name set, because neither is specified in the input file record.	• If the `function=check` parameter is specified, review the contents of the input file. • If the `function=import` parameter is specified, edit the host by using the GUI, and set the WWN or iSCSI name.
KAIC90826-W	The OS type will be registered as "OTHERS" because the OS type specified in the input file record is not defined.	• If the `function=check` parameter is specified, review the contents of the input file. • If the `function=import` parameter is specified, edit the host by using the GUI, and change the OS type.
KAIC90827-E	Multiple IP addresses in IPv4 format are specified for the IP	Specify only one IP address in IPv4 format for the IP address field in the input file record.

Message ID	Message Text	Description
	address field in the input file record.	
KAIC90828-E	Multiple IP addresses in IPv6 format are specified for the IP address field in the input file record.	Specify only one IP address in IPv6 format for the IP address field in the input file record.
KAIC90829-E	The input file record contain an IP address field for which three or more IP addresses have been specified.	Specify one IP address in IPv4 format and one in IPv6 format for an IP address field in the input file record.
KAIC90830-E	The value "*specified-value*" specified for "*item-name(1)*" or "*item-name(2)*" in the input file record is not valid.	Revise the specified value.
KAIC90831-W	The storage system information cannot be displayed. You do not need to retry this command because the parameter was successfully changed. @(error code= *error-code*)	See the result code in the "Hitachi Device Manager Server Messages" section in the Hitachi Device Manager Software Error Codes manual, and then perform the corresponding recommended action. Then execute the `GetStorageArray` command to confirm that the storage system name was changed.
KAIC90832-E	If "*Parameter name (3)*" is specified, both "*Parameter name (1)*" and "*Parameter name (2)*" must also be specified.	Revise the specified value.
KAIC90833-E	If "*Parameter name (3)*" is specified for a virtual DKC, both "*Parameter name (1)*" and "*Parameter name (2)*" must also be specified.	Revise the specified value.
KAIC90834-E	If "*Parameter name (1)*" is specified, "*Parameter name (2)*", "*Parameter name (3)*", and "*Parameter name (4)*" must also be specified.	Revise the specified value.
KAIC90835-E	If "*Parameter name (1)*" and "*Parameter name (2)*" are specified, "*Parameter name (3)*", "*Parameter name (4)*", "*Parameter name (5)*", and "*Parameter name (6)*" ("*Parameter value (1)*") must also be specified.	Revise the specified value.
KAIC90836-E	The value ("*Parameter value (1)*") specified for the vfamily parameter is not registered in the system.	Revise the specified value.

Message ID	Message Text	Description
KAIC90837-E	If "*Parameter name (1)*" is specified, "*Parameter name (2)*", "*Parameter name (3)*", and "*Parameter name (4)*" ("*Parameter value (1)*") must also be specified.	Revise the specified value.
KAIC90838-E	If "*Parameter name (1)*" is specified, "*Parameter name (2)*", "*Parameter name (3)*", "*Parameter name (4)*", and "*Parameter name (5)*" ("*Parameter value (1)*") must also be specified.	Revise the specified value.
KAIC90839-E	If "*Parameter name (1)*" is specified, "*Parameter name (2)*", "*Parameter name (3)*", "*Parameter name (4)*", "*Parameter name (5)*", and "*Parameter name (6)*" ("*Parameter value (1)*") must also be specified.	Revise the specified value.
KAIC90840-E	Specify one of the following: "*Parameter name (1)*" or "*Parameter name (2)*".	Revise the specified value.
KAIC90841-E	Specify "*Parameter name (1)*".	Revise the specified value.
KAIC90842-E	The commands coded in the batch file must be for a single pair of subsystems.	Revise the contents of the batch file, and then try again.
KAIC90843-E	The monitoring data in the specified input file, *Specified input file*, is incomplete. Re-execute the command after getting monitoring data.	Re-execute the command after getting monitoring data.
KAIC90844-E	No monitoring data exists in the specified input file, *specified-inputfile*. Re-execute the command after getting monitoring data.	Re-execute the command after getting monitoring data.
KAIC90845-E	The values of the "*parameter name*" and "*parameter name*" must not be same. Revise the specification.	Revise the specification.
KAIC90846-E	When "*Parameter value (1)*" is specified for the *Parameter name (1)* parameter, the *Parameter name (2)* parameter cannot be specified.	Revise the specified value.
KAIC90847-E	The specified SVP (IP address = "*IP address of the specified*	Revise the specified value.

Message ID	Message Text	Description
	SVP") is managing multiple storage systems. Specify, for the serialnum parameter, the storage system for which the operation is to be performed.	
KAIC90848-E	The specified SVP (IP address = "*IP address of the specified SVP*") does not manage the specified storage system (serial number = "*serial number of the specified storage system*").	Revise the specified value.
KAIC90849-E	Specify at least one of the following: "*parameter name 1*", "*parameter name 2*", "*parameter name 3*", "*parameter name 4*", and "*parameter name 5*".	Specify the required parameters, and then try again.
KAIC90850-E	No volumes exist for which I/O monitoring data could be acquired for the specified parameter (*Parameter name*).	Change your parameters, then try again.
KAIC90851-E	In the specified I/O monitoring data file, no volumes exist for which I/O monitoring data can be specified.	Check and, if necessary, change the I/O monitoring data file, ctgid, or poolid.
KAIC90852-E	The specified I/O monitoring data file was output by specifying *Parameter name*. As a result, *Parameter name* cannot be specified.	Change your parameters, then try again.
KAIC90853-E	The specified I/O monitoring data file is incompatible with the CLI version.	Try again by using a CLI that is the same version of the CLI that was used to run the `ExportMonitoringData` command.
KAIC90854-E	The specified I/O monitoring data file was output by specifying "devnum". You can change the outcome by using different parameters.	Change your parameters by specifying "devnum", then try again.
KAIC90855-E	I/O monitoring data could not be set, because multiple I/O monitoring data items exist for the volume (device number = *Device number*).	For the specified volume (device number = *Device number*), apply the I/O monitoring data that was acquired from using the DevNum parameter.

Messages with IDs beginning with KAIE

This section describes messages related to Device Manager agent.

KAIE10000 - KAIE19999

The following table describes messages KAIE10000 to KAIE19999, which are related to Device Manager agent.

Table 2-16 KAIE10000 - KAIE19999 (messages related to Device Manager agent)

Message ID	Message Text	Description
KAIE10401-E	An unexpected exception occurred while calling the addon-module. (callback name = *callbackName*, objectID = *objectIdentity*)	*Cause* A serious error was detected during one of the following processes: • Installation or removal • Addon-module loading • Request reception There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE10403-E	An unrecoverable error occurred when loading the addon-module *moduleName*.	*Cause* An error occurred when loading a module. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE10404-E	An attempt to operate the addon-module status has failed. Processing will continue.	*Cause* An I/O error occurred. An attempt to access the following files has failed: • *Device-Manager-agent-installation-directory*`/agent/mod/*` • *Device-Manager-agent-installation-directory*`/agent/mod/*/var` The service might not have permission to access these files or directories. *Action* Make sure that the user who is executing the service has permission

Message ID	Message Text	Description
		to access these files or directories. If the user does not have permission, grant permission, or change to a user who has permission.
KAIE10502-E	An attempt to acquire the installation ID has failed.	*Cause* The environment is invalid. An attempt to read the product information file (*Device-Manager-agent-installation-directory*`/etc/amc_iid`) has failed. The installation might not have finished correctly. *Action* Re-install. If this does not resolve the problem collect maintenance information and contact the support center.
KAIE10602-E	The environment is not valid.	*Cause* The environment is invalid. *Action* For appropriate action, see the past operating log message containing details about the problem.
KAIE10606-E	An attempt to write the installation ID has failed.	*Cause* An I/O error occurred. An attempt to generate the product information file (*Device-Manager-agent-installation-directory*`/etc/amc_iid`) has failed. The installation might not have finished correctly. *Action* Re-install. If this does not resolve the problem collect maintenance information and contact the support center.
KAIE10610-E	The module has been used. Re-execute later.	*Cause* An attempt to removal failed. The module has been used. *Action* Wait a while, and then reattempt the removal.
KAIE10614-E	No value is specified for the key *key-name*.	*Cause* No value is specified for the key. *Action* Specify a valid value.
KAIE10615-E	Creation of a keystore failed.	*Cause* An internal error occurred during creation of the keystore.

Message ID	Message Text	Description
		Action To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIE10616-E	Creation of a self-signed certificate failed.	*Cause* An internal error occurred during creation of the self-signed certificate. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIE10617-E	Creation of a CSR failed.	*Cause* An internal error occurred during creation of the CSR. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIE10618-E	Specify six or more characters for the value of the key *key-name*.	*Cause* The value specified for the key is five characters or less. *Action* Specify a valid value.
KAIE10619-E	Specify all required options.	*Cause* One or more required options were not specified. *Action* Specify all required options.
KAIE10620-E	An internal error occurred.	*Cause* An unexpected error occurred during internal processing. *Action* To determine the cause and resolve the problem, detailed investigation is required.

Message ID	Message Text	Description
		Contact Support Center, who may ask you to collect troubleshooting information.
KAIE10621-E	Specify a number greater than or equal to 1 for the validity key.	*Cause* Possible causes are as follows: - The specified value is not a number. - A value less than 1 was specified. *Action* Specify a valid value.
KAIE10622-E	A keystore already exists.	*Cause* A keystore with the name specified for the `key` option already exists. *Action* Specify another value for the `key` option.
KAIE10623-E	For the storepass option and the keypass option, specify the same password.	*Cause* The passwords specified for the `keypass` option and the `storepass` option do not match. *Action* For the `storepass` option and the `keypass` option, specify the same password.
KAIE16002-I	Exception information: *detailed-information-from-when-the-error-occurred*	*Cause* The detail of the error information is output. *Action* For appropriate action, see the content of exception information.
KAIE16605-I	An add-on module was not found.	*Cause* There are no registered add-on modules or there are no usable registered add-on modules. *Action* No additional action is required.
KAIE16606-I	A specified add-on module was not found.	*Cause* The specified add-on module is not registered, or it is registered but is currently disabled. *Action* When using a specified add-on module, make sure that the specified add-on module is installed and is supported on this platform.

Message ID	Message Text	Description
KAIE16613-I	The hbsa_ssltool command finished successfully.	*Cause* - *Action* -

KAIE20000 - KAIE29999

The following table describes messages KAIE20000 to KAIE29999, which are related to Device Manager agent.

Table 2-17 KAIE20000 - KAIE29999 (messages related to Device Manager agent)

Message ID	Message Text	Description
KAIE20001-E	An unexpected exception occurred while calling the addon-module. (callback name = *callbackName*, objectID = *objectIdentity*)	*Cause* A serious error was detected during one of the following processes: • Addon-module loading • Request reception There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20002-E	An unexpected exception occurred while executing a processing against the request. (messageID = *messageID*)	*Cause* A serious error was detected during service execution. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20101-E	An unexpected error occurred during processing of the request. (messageID = *messageID*)	*Cause* An unexpected error occurred during processing of the request. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the

Message ID	Message Text	Description
		service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20102-E	An unexpected exception occurred while calling the addon-module. (callback name = *callbackName*, objectID = *objectIdentity*)	*Cause* A serious error was detected during service execution. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20303-E	An error occurred during connection reception from the client. The connection will now end. (client information = *clientInfomation*)	*Cause* A serious error was detected during service execution. There might be a network error or a memory shortage. *Action* Make sure that there are no network errors or memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20402-E	An unexpected error occurred during the HTTP service.	*Cause* An unexpected error occurred during HTTP connection processing. There might be a network error or a memory shortage. *Action* Make sure that there are no network errors or memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20403-E	An I/O error occurred during the HTTP service.	*Cause* An I/O error occurred while communicating with the remote host. The remote host might have severed the connection, or there might be a network error or memory shortage. *Action* If it was not a normal disconnection by the remote host, make sure that there are no network errors or memory shortages, and then restart the

Message ID	Message Text	Description
		service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20601-E	An unexpected exception occurred while calling the addon-module. (callback name = *callbackName*, objectID = *objectIdentity*)	*Cause* An unexpected error occurred during processing of the service request. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20701-E	The log output destination directory *directoryName* cannot be created.	*Cause* An error occurred while creating the log output destination directory. The service might not have write permissions for the following directory: *Device-Manager-agent-installation-directory*`/agent` *Action* Make sure that the user who is executing the service has permission to access these files or directories. If the user does not have permission, grant permission, or change to a user who has permission.
KAIE20702-E	The log output destination *directoryName* is not a directory.	*Cause* An error occurred while creating the log output destination directory. A file which has the same name (*Device-Manager-agent-installation-directory*`/agent/logs`) already exists. *Action* Delete the file which has the same name as the directory.
KAIE20703-E	The log output destination directory *directoryName* is not writable.	*Cause* The log output destination directory (*Device-Manager-agent-installation-directory*`/agent/logs`) is read-only. *Action* Make the log output destination directory writable.
KAIE20704-E	An I/O error occurred during processing of the log settings.	*Cause* An attempt to access the log property file (*Device-Manager-agent-*

Message ID	Message Text	Description
		installation-directory/agent/config/logger.properties) has failed. Possible causes are: • The file does not exist. • The user has the file open. • The user lacks access permissions. • The settings are invalid. *Action* • Make sure that the logger.properties file exists. • If the logger.properties file is open, close it. • Grant access permissions for the logger.properties file, or change to a user who has access permissions and restart the service. • Check the settings of the logger.properties file. If they are invalid, correct them.
KAIE20705-E	The directory of the same name as log output directory exist. (file path = *filePath*)	*Cause* The log output file cannot be created. A directory which has the same name as a log output file (below) exists in the log output destination directory. • *Device-Manager-agent-installation-directory*/agent/logs/trace.log • *Device-Manager-agent-installation-directory*/agent/logs/access.log • *Device-Manager-agent-installation-directory*/agent/logs/error.log • *Device-Manager-agent-installation-directory*/agent/logs/service.log *Action* Delete the directory which has the same name as the log output file.
KAIE20706-E	The file is not writable. (file path = *filePath*)	*Cause* One of the following log output files is not writable because the user who is executing the service does not have write permissions for that file: • *Device-Manager-agent-installation-directory*/agent/logs/trace.log

Message ID	Message Text	Description
		• *Device-Manager-agent-installation-directory*/agent/logs/access.log • *Device-Manager-agent-installation-directory*/agent/logs/error.log • *Device-Manager-agent-installation-directory*/agent/logs/service.log *Action* Grant write permissions for the log output file, or change to a user who has write permissions and restart the service.
KAIE20707-E	An error was found in the property file.	*Cause* There is an error in the settings of the property file (server.properties). *Action* Check each value of the server.properties property and correct them if necessary.
KAIE20901-E	The service execution process will now abort.	*Cause* An unrecoverable error occurred in the service execution process. There might be a memory shortage or an internal error. *Action* • If the following properties are specified in the properties file, revise the specification: server.http.socket.agentAddress server.http.socket.bindAddress • Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20902-E	An I/O error occurred during server execution.	*Cause* A network error occurred while waiting for a connection. There might be a network error or a memory shortage. *Action* Make sure that there are no network errors or memory shortages. If the problem occurs frequently, collect

Message ID	Message Text	Description
		maintenance information and contact the support center.
KAIE20903-E	An unexpected error occurred during server execution.	*Cause* An unexpected error occurred in the service execution process. There might be a memory shortage or an internal error. *Action* Make sure that there are no network errors or memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE20904-E	A communication error occurred while closing the server socket. (port number = *portNumber*)	*Cause* An error occurred during shutdown of the service execution process. *Action* Make sure that there are no network errors or memory shortages. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE21701-W	The specification for the number of backups *value* that can be in the log configuration file is in an invalid format. The default value will be used.	*Cause* The value for the property `logger.MaxBackupIndex` in `logger.properties` is outside the range from 1 to 20, or it is not a number. *Action* Correct the value for `logger.MaxBackupIndex`, and then restart the service.
KAIE21702-W	The specification for the maximum file size *value* that can be in the log configuration file is in an invalid format. The default value will be used.	*Cause* The value for the property `logger.MaxFileSize` in `logger.properties` is outside the range from 512 KB to 32 MB, or it is not a number. *Action* Correct the value for `logger.MaxFileSize`, and then restart the service.
KAIE21703-W	The property "*propertyName*" of value in the server configuration file is not valid. The default value will be used.	*Cause* There is an error in the settings of the property file (`server.properties`). *Action*

Message ID	Message Text	Description
		Check each value of the `server.properties` property and correct them if necessary.

KAIE30000 - KAIE39999

The following table describes messages KAIE30000 to KAIE39999, which are related to Device Manager agent.

Table 2-18 KAIE30000 - KAIE39999 (messages related to Device Manager agent)

Message ID	Message Text	Description
KAIE30101-E	An unexpected exception occurred while calling the addon-module. (callback name = *callbackName*, objectID = *objectIdentity*)	*Cause* A serious error was detected during service execution. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE30201-E	An unexpected exception occurred while calling the addon-module. (callback name = *callbackName*, objectID = *objectIdentity*)	*Cause* A serious error was detected during service execution. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE30504-E	An internal error occurred. A StopCLI parameter is invalid.	*Cause* An unexpected error occurred during execution of the service control process stop command. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then retry a forced termination of the service. If this does not resolve the problem, collect maintenance information and contact the support center.

Message ID	Message Text	Description
KAIE30505-E	An error occurred during processing to start the service execution process.	*Cause* The service execution process could not start because the environment is invalid. *Action* For details on the appropriate action, see the preceding message that gives details about the problem.
KAIE30506-E	The service execution process threw an uncaught exception.	*Cause* The service execution process detected an unexpected error. There might be a memory shortage or an internal error. *Action* Make sure that there are no memory shortages, and then restart the service. If this does not resolve the problem, collect maintenance information and contact the support center.
KAIE30507-E	An error occurred while sending a stop command to the service control process.	*Cause* A communication error occurred during the execution of "`hbsasrv stop`". Possible causes are: • The service control process cannot receive commands because of a problem such as a system resource shortage. • The service control process is not working correctly. *Action* Re-execute "`hbsasrv stop`". If the above actions do not resolve the problem, collect maintenance information and contact the support center.

KAIE60000 - KAIE69999

The following table describes messages KAIE60000 to KAIE69999, which are related to Device Manager agent.

Table 2-19 KAIE60000 - KAIE69999 (messages related to Device Manager agent)

Message ID	Message Text	Description
KAIE62001-I	HBsA Service is already running.	*Cause*

Message ID	Message Text	Description
		An attempt was made to start two or more HBsA services. *Action* Only one instance of HBsA Service can run on a system at any given time.
KAIE62601-E	Permission of HBsA Service was denied.	*Cause* A user who does not have administrator permissions attempted to start a HBsA service. *Action* A user without Administrator permissions executed the command. Execute this command as a user with Administrator permissions.
KAIE62602-E	The directory structure is invalid.	*Cause* HiCommand Suite Common Agent Component has not been correctly installed. *Action* Device Manager agent was not installed correctly. Make sure that installation of Device Manager agent was performed correctly.
KAIE62604-E	Unable to stop HBsA Service because Add-On module is currently running.	*Cause* The HBsA service could not be stopped because an add-on module is currently running. *Action* Wait a while, and then retry the operation. For details on how to stop the service, see the explanation of the `hbsasrv` command.
KAIE62605-E	The connection error of HBsA Service has occurred.	*Cause* An error occurred during communication processing with the HBsA service. *Action* Make sure that the TCP/IP environment on the host is normal. To do this, use the standard OS commands for network monitoring (such as `netstat` or `ping`). If there is no problem, restart the system and then re-install the program. If the problem persists, collect the maintenance information and contact the Support Center.

Message ID	Message Text	Description
KAIE62606-E	An error occurred while starting HBsA Service.	*Cause* An attempt to access the HBsA service registered in the Windows services has failed. *Action* Re-install the program. If the problem persists, collect the maintenance information and contact the Support Center.
KAIE62607-E	The HBsA service could not start normally.	*Cause* A problem with JVM was detected during startup of the HBsA service. *Action* Make sure that the prerequisite patches have been applied, and then re-install the program.
KAIE62608-E	The Java path is invalid. [*path*]	*Cause* The path specified for `server.agent.JRE.location` in `server.properties` is invalid. *Action* Revise the value specified for `server.agent.JRE.location` in `server.properties`, and then retry the operation.
KAIE62638-E	The value specified for server.agent.maxMemorySize in the server.properties file is not numeric.	*Cause* The value for the property `server.agent.maxMemorySize` in the file `server.properties` is not numeric. *Action* Correct the value for `server.agent.maxMemorySize`, and then restart the HBsA service.
KAIE62639-E	The value specified for server.agent.maxMemorySize in the server.properties file is outside the valid range.	*Cause* The value for the property `server.agent.maxMemorySize` in the file `server.properties` is outside the range from 32 to 4,096. *Action* Correct the value for `server.agent.maxMemorySize`, and then restart the HBsA service.
KAIE62642-E	A port number specified in the properties file is already in use.	*Cause* A port number specified in the `server.properties` file is already in use.

Message ID	Message Text	Description
		Action Revise the `server.properties` file, and then restart the service HBsA Service.
KAIE62643-E	The port number format is invalid.	*Cause* The port number format is invalid. *Action* Revise the `server.properties` file, and then restart the service HBsA Service.
KAIE62644-E	Processing to create a certificate(hbsa_ssltool) required for SSL communication was not executed correctly.	*Cause* Processing to create a certificate(hbsa_ssltool) required for SSL communication was not executed correctly. *Action* Create the certificate(hbsa_ssltool) required for SSL communication.
KAIE62645-E	An internal error occurred.	*Cause* An unexpected error occurred during internal processing. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIE62646-E	A setting for the cipher suite is invalid.	*Cause* A setting for the cipher suite used for SSL communication is invalid, or a value that cannot be used for the instance of Java currently operating was included. *Action* Check the server.agent.ciphers value in the `server.properties` file, and revise if necessary. If the version of Java to be used is specified, make sure that the settings for server.agent.ciphers can be used with that version of Java.
KAIE65601-E	The command was executed by a user other than the administrator. Execute this command as the administrator.	*Cause* The command was executed by a user other than the administrator. *Action*

Message ID	Message Text	Description
		Execute this command as the administrator.
KAIE66007-I	The Java path *path* was set in server.properties.	*Cause* - *Action* -
KAIE66010-I	The command ended successfully.	*Cause* - *Action* -
KAIE66011-I	The usable Java is in *path*. Use the -set option to set it in server.properties.	*Cause* - *Action* -
KAIE66601-E	An illegal option is specified. [*arg*]	*Cause* One or more arguments are invalid. *Action* Specify valid arguments, and then retry the operation.
KAIE66604-E	Another program is using the port number used by this product. Change the port number used by this product, and then re-execute firewall_setup.bat.	*Cause* Another program is using the port number used by this product. *Action* Perform steps 1 to 3, in order: 1. Make sure the following values are in the `server.properties` property file: - `server.agent.port` - `server.http.port` - `server.http.localPort` 2. Make sure the port number is registered as a firewall exception. 3. Change all duplicate port numbers, and then execute firewall_setup.
KAIE66605-E	Setup of the firewall failed. [*property-key*]	*Cause* The port number failed to be registered as a firewall exception. *Action* Manually register the port number as a firewall exception.
KAIE66606-E	Acquisition of the installation path failed.	*Cause*

Message ID	Message Text	Description
		Acquisition of the installation path failed. *Action* Reinstall the Device Manager agent.
KAIE66607-E	An internal error occurred.	*Cause* Internal error. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIE66608-E	The command was executed in an unsupported OS.	*Cause* The command was executed in an unsupported OS. *Action* Please check the manual for details about supported OS.
KAIE66609-E	The Java path [*javapath*] is invalid.	*Cause* The specified path is invalid. *Action* Specify a valid path, and then retry the operation.
KAIE66610-E	An attempt to write the property file has failed.	*Cause* An attempt to write the `server.properties` file has failed. *Action* Make sure that the `server.properties` file is not corrupted and that the write permission is set.
KAIE66611-E	File [*filename*] is not found.	*Cause* File [*filename*] is not found. *Action* Make sure that the file indicated in the message exists. If necessary, reinstall the Device Manager agent.

Messages with IDs beginning with KAIG

This section describes messages related to Host Data Collector.

KAIG00000 - KAIG09999

The following table describes messages KAIG00000 to KAIG09999, which are related to Host Data Collector.

Table 2-20 KAIG00000 - KAIG09999 (messages output by Host Data Collector)

Message ID	Message Text	Description
KAIG04003-E	There is not enough free disk space to install the product. Make sure that there is enough free space on the system drive and installation drive.	*Cause* There is not enough free disk space to install the product. *Action* Make sure that there is enough free space on the system drive and installation drive.
KAIG04004-E	Host Data Collector from a different vendor has already been installed. Use an installer from the vendor that supplied the product.	*Cause* Host Data Collector from a different vendor has already been installed. *Action* Use an installer from the vendor that supplied the product.
KAIG04007-E	A newer version is already installed. A downgrade installation is not possible.	*Cause* An attempt was made to install a version of Host Data Collection that is older than the currently installed version. *Action* No additional action is required.
KAIG04008-E	This product cannot be installed on this OS.	*Cause* The installation was canceled because this product cannot be installed on this OS. *Action* For a list of the supported OSs, see the manuals.
KAIG04009-E	Your user group permissions are not Administrators permissions. Perform the installation as a user with Administrators permissions.	*Cause* Your user group permissions are not Administrators permissions. *Action* Perform the installation as a user with Administrators permissions.
KAIG04017-E	Stopping of the service Host Data Collector Base Service failed.	*Cause* Stopping of the service failed. *Action* To determine the cause and resolve the problem, detailed investigation is required.

Message ID	Message Text	Description
		Contact Support Center, who may ask you to collect troubleshooting information.
KAIG04039-E	The installation or removal will be canceled because another installation or removal is already running. Exit the installer or removal function currently running, and then retry the operation.	*Cause* The installer or removal function is currently running. *Action* Exit the Host Data Collector installer or removal function currently running, and then retry the operation.
KAIG04040-E	No installation path is specified.	*Cause* No installation path is specified. *Action* Specify an installation path.
KAIG04041-E	Specify an installation path in 64 bytes or less.	*Cause* The specified installation path is 65 bytes or more. *Action* Specify an installation path in 64 bytes or less.
KAIG04042-E	The installation path cannot be specified directly under a drive.	*Cause* The specified installation path is directly under a drive. *Action* Specify an installation path that is somewhere other than directly under a drive.
KAIG04043-E	*(Windows)* The installation path contains an invalid character. The following characters are valid: A-Z, a-z, 0-9, ., _, (,), and spaces *(UNIX)* The installation path contains an invalid character. The following characters are valid: A-Z, a-z, 0-9, _, /	*Cause* The installation path contains an invalid character. *Action* Specify a valid installation path.
KAIG04045-E	No port number is specified.	*Cause* No port number is specified. *Action* Specify a port number.
KAIG04046-E	The specified port number is invalid. Specify a port number in the range from 1 to 65535.	*Cause* The specified port number is invalid. *Action*

Message ID	Message Text	Description
		Specify a valid port number.
KAIG04047-E	The Host Data Collector installation can no longer continue due to an error. The installation will now end.	*Cause* The installation failed. *Action* Re-install Host Data Collector. If this problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG04048-E	The Host Data Collector removal can no longer continue due to an error. The removal will now end.	*Cause* The removal failed. *Action* If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG04049-E	The specification for the installation path is incorrect.	*Cause* Possible causes are as follows: • The installation path contains multiple consecutive spaces. • The installation path contains a space right before or after a delimiter. • The drive letter is invalid. *Action* Specify a valid installation path.
KAIG04053-E	The root directory cannot be specified for the installation path.	*Cause* The root directory was specified for the installation path. *Action* Specify a directory other than the root directory for the installation path.
KAIG04054-E	A relative path cannot be specified for the installation path.	*Cause* A relative path was specified for the installation path. *Action* Specify an absolute path for the installation path.
KAIG04058-E	This environment is a non-global zone. Installation in a	*Cause* Installation was attempted in a zone other than the global zone.

Message ID	Message Text	Description
	non-global zone is not supported.	*Action* Please execute the installation in a global zone.
KAIG04061-E	There is not enough free disk space to install the product. Make sure that there is enough free space on the installation disk, or change the installation path.	*Cause* There is not enough free disk space to install the product. *Action* Make sure that there is enough free space on the installation disk, or change the installation path.
KAIG06002-E	An internal error occurred.	*Cause* An internal error occurred. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG06004-E	A command that cannot be executed in parallel is currently executing. Wait for the command to end, and then retry the operation.	*Cause* A command that cannot be executed in parallel is currently executing. *Action* Wait for the command that is currently being executed to end.
KAIG06005-E	The *command-name* command cannot be executed because the account does not have administrator permissions.	*Cause* The current account (user) does not have administrator permissions. *Action* Log in with an account (as a user) with administrator permissions.
KAIG06007-E	A syntax error occurred with an argument. (*input-argument*)	*Cause* A syntax error occurred with an argument. (*input-argument*) *Action* See the documentation for the correct syntax.
KAIG06009-E	The state of the service Host Data Collector Base Service could not be acquired.	*Cause* An internal error occurred. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAIG06010-E	The startup type of the service Host Data Collector Base Service is "disabled".	*Cause* The startup type of the service Host Data Collector is "disabled". *Action* Set the startup type of the service Host Data Collector Base Service to "Auto".
KAIG06011-E	Startup of the service Host Data Collector Base Service failed.	*Cause* Startup of the service Host Data Collector Base Service failed. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG06012-E	Stopping the service Host Data Collector Base Service failed.	*Cause* Stopping the service Host Data Collector Base Service failed. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG06015-E	The Host Data Collector environment is invalid. hdcbase.properties does not exist.	*Cause* `hdcbase.properties` does not exist. *Action* -
KAIG06016-E	The port number is invalid. Specify a port number in the range from 1 to 65535.	*Cause* The specified port number is not within the valid range. *Action* In the property file, specify an unused port number in the range from 1 through 65535, and then re-execute the command.
KAIG06017-E	The port number attempting to be registered is already in use. (*port-number*) Specify a different port number.	*Cause* The port number is already in use. *Action* Specify a port number not in use in the property file, and then retry the command.

Message ID	Message Text	Description
		After that, restart the service Host Data Collector Base Service.
KAIG06018-E	Registration of the firewall exception failed. Manually register the exception.	*Cause* Registration of the firewall exception failed. *Action* Manually register the exception. After that, restart the service Host Data Collector Base.
KAIG06020-E	Acquisition of version information has failed.	*Cause* Acquisition of version information has failed. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG06021-E	Java cannot be used.	*Cause* The Java path specified for `javapathlocation` in `javaconfig.properties` is incorrect. *Action* Revise the value specified for `javapathlocation` in `javaconfig.properties`, and then retry the command.
KAIG06024-E	The Host Data Collector Base Service status is invalid.	*Cause* The Host Data Collector Base Service status is invalid. *Action* Stop the Host Data Collector Base Service by executing the `controllservice stop` command, and then retry the command.
KAIG06025-E	The port number format is invalid.	*Cause* The port number format is invalid. *Action* Revise the `hdcbase.properties` file, and then restart the service Host Data Collector Base Service.
KAIG06026-E	The port number used by Host Data Collector is in use by another program.	*Cause* The port number used by Host Data Collector is in use by another program. *Action*

Message ID	Message Text	Description
		Revise the `hdcbase.properties` file, and then restart the service Host Data Collector Base Service.
KAIG06027-E	Not enough port numbers were specified to handle the number of Adapter processes to be started.	*Cause* Not enough port numbers were specified to handle the number of Adapter processes to be started. *Action* Revise the `hdc.adapter.adapterProcessNum` and `hdc.adapter.localport` values in the `hdcbase.properties` file, and then restart the service Host Data Collector Base Service.
KAIG06028-E	The value specified for the IP address to be used for communication with the management server is not in the form of an IP address.	*Cause* The value specified for the IP address to be used for communication with the management server is not in the form of an IP address. *Action* In the `hdcbase.properties` file, revise the value of hdc.service.rmi.registryIPAddress, and then restart the Host Data Collector Base Service.
KAIG06029-E	The IP address to be used for communication with the management server is not a usable IP address.	*Cause* The IP address to be used for communication with the management server is not a usable IP address. *Action* In the `hdcbase.properties` file, revise the value of hdc.service.rmi.registryIPAddress, and then restart the Host Data Collector Base Service.
KAIG06030-E	Processing to create a certificate(hdc_ssltool) required for SSL communication was not executed correctly.	*Cause* Processing to create a certificate(hdc_ssltool) required for SSL communication was not executed correctly. *Action* Create the certificate(hdc_ssltool) required for SSL communication.
KAIG06031-E	A setting for the cipher suite is invalid.	*Cause* A setting for the cipher suite used for SSL communication is invalid, or a value that cannot be used for the instance of Java currently operating was included.

Message ID	Message Text	Description
		Action Check the hdc.ssl.ciphers value in the `hdcbase.properties` file, and revise if necessary. If the version of Java to be used is specified, make sure that the settings for hdc.ssl.ciphers can be used with that version of Java.
KAIG06038-E	A value set for a property is invalid. (property name = *property-key-name*)	*Cause* A value set for a property is invalid. *Action* Check and, if necessary, revise the value set for the property.
KAIG07025-I	Windows Firewall is not installed on the active OS.	*Cause* Windows Firewall is not installed on the active OS. *Action* No additional action is required. If other firewall products are installed, manually register the exception.
KAIG08001-E	No value is specified for the key *key-name*.	*Cause* No value is specified for the key. *Action* Specify a valid value.
KAIG08002-E	Creation of a keystore failed.	*Cause* An internal error occurred during creation of the keystore. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG08003-E	Creation of a self-signed certificate failed.	*Cause* An internal error occurred during creation of the self-signed certificate. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG08004-E	Creation of a CSR failed.	*Cause* An internal error occurred during creation of the CSR.

Message ID	Message Text	Description
		Action To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG08005-E	Specify six or more characters for the value of the key *key-name*.	*Cause* The value specified for the key is five characters or less. *Action* Specify a valid value.
KAIG08006-E	Specify all required options.	*Cause* One or more required options were not specified. *Action* Specify all required options.
KAIG08007-E	A fatal error occurred.	*Cause* An unexpected error occurred during internal processing. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAIG08008-E	Specify a number greater than or equal to 1 for the validity key.	*Cause* Possible causes are as follows: • The specified value is not a number. • A value less than 1 was specified. *Action* Specify a valid value.
KAIG08009-E	A keystore already exists.	*Cause* A keystore with the name specified for the `key` option already exists. *Action* Specify another value for the `key` option.
KAIG08010-E	For the storepass option and the keypass option, specify the same password.	*Cause* The passwords specified for the `keypass` option and the `storepass` option do not match. *Action*

Message ID	Message Text	Description
		For the `storepass` option and the `keypass` option, specify the same password.
KAIG08804-I	The hdc_ssltool command finished successfully.	*Cause* - *Action* -

Messages with IDs beginning with KAPM

This section describes messages related to Hitachi Command Suite Common Component.

KAPM00000 - KAPM09999

The following table describes messages KAPM00000 to KAPM09999, which are related to Hitachi Command Suite Common Component.

Table 2-21 KAPM00000 - KAPM09999 (messages output by Hitachi Command Suite Common Component)

Message ID	Message Text	Description
KAPM00001-E	ID=*aa...aa*,LogTraceLibrary error. Trace START failed. *bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: Error message output by the log trace library when the system failed to start the trace	An attempt to start the log trace has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00002-E	ID=*aa...aa*,LogtraceLibrary error. Trace STOP failed. *bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: Error message output by the log trace library when the system failed to stop the trace	An attempt to stop the log trace has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00003-W	ID=*aa...aa*,Trace output error. *aa...aa*: ID of the program using the log	An attempt to output the log trace has failed. Check whether the log file is read only.
KAPM00004-W	ID=*aa...aa*,Integrated trace output error.	An attempt to output an integrated log trace has failed.

Message ID	Message Text	Description
	aa...aa: ID of the program using the log	Check whether the Hitachi Network Objectplaza Trace Monitor 2 service is running.
KAPM00005-E	File I/O failed. (filename=*aa...aa*). *aa...aa*: Name of the version file	An attempt to create a version file has failed. Check whether the version file specified for *aa...aa* can be written.
KAPM00006-E	ID=*aa...aa*,Invalid eventlog source. Eventlog's config not found in the registry(source name="HiCommand Log") *aa...aa*: ID of the program using the log	The registry for Eventlog was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00011-E	ID=*aa...aa*,Versionfile name is null. *aa...aa*: ID of the program using the log	The version file name has not been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00012-E	ID=*aa...aa*,PP version is null. *aa...aa*: ID of the program using the log	The version of each PP has not been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00013-E	ID=*aa...aa*,Trace log file name is null. *aa...aa*: ID of the program using the log	The name of the individual log trace has not been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00014-E	ID=*aa...aa*,Class name is null. *aa...aa*: ID of the program using the log	The class name of the program to be used to output the log has not been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00015-E	ID=*aa...aa*,Kind of Event is null. *aa...aa*: ID of the program using the log	The value that indicates the type of message event for output has not been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM00016-E	ID=*aa...aa*,Message-ID is null. *aa...aa*: ID of the program using the log	The message ID for the message to be output has not been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00017-E	*aa...aa* *aa...aa*: NullPointerException message	A NullPointerException occurred in LogTraceManager. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00018-E	*aa...aa* *aa...aa*: Exception message	An unexpected exception occurred in LogTraceManager. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00019-E	ID=*aa...aa*,SyslogID size error:idEnt=*bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: Eventlog ID	The ID (*bb...bb*) length attached to Eventlog is too long. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00020-E	ID=*aa...aa*,Invalid version length:version=*bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: Version character string	The version character string is too long. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00021-E	ID=*aa...aa*,Invalid log file number:logNum=*bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: Number of individual log trace files	The number of individual log trace files is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00022-E	ID=*aa...aa*,Invalid log file size:logSize=*bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: File size of the individual log trace	The size of an individual log trace file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM00023-E	ID=*aa...aa*,Invalid message type:kind=*bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: Message type	A value indicating the message type is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00024-E	ID=*aa...aa*,Invalid output level:level=*bb...bb* *aa...aa*: ID of the program using the log *bb...bb*: Output level	An invalid log output level exists in the code. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00025-E	The value of the encoding setting *bb...bb* of the unique log output of *aa...aa* is invalid. *aa...aa*: Program name request to output log *bb...bb*: Encoding	The value of the encoding setting *bb...bb* of the unique log output of *aa...aa* is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00090-I	The SSO server started successfully.	The SSO server started successfully.
KAPM00091-E	An attempt to start the SSO server has failed.	An attempt to start the SSO server has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00092-I	The SSO server was stopped successfully.	The SSO server was stopped successfully.
KAPM00101-E	An authentication error occurred.	An authentication error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00102-E	An error occurred during DBMS access processing.	An error occurred during DBMS access processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00103-E	The DBMS is not running.	The DBMS is not running.

Message ID	Message Text	Description
		Make sure the DBMS has started.
KAPM00104-E	The product name is not specified.	The product name is not specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00105-E	An unexpected value was returned from the integrated authentication server. (*aa...aa*) *aa...aa*: Unexpected return value	An unexpected value was returned from the integrated authentication server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00106-E	An attempt to update the authentication data has failed.	An attempt to update the authentication data has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00107-E	An attempt to delete the authentication data has failed.	An attempt to delete the authentication data has failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM00108-E	An attempt to print the authentication data has failed.	An attempt to print the authentication data has failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM00110-E	The HSSOContext value is invalid.	The HSSOContext value is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00111-I	The authentication data was successfully updated.	The authentication data was successfully updated.
KAPM00112-I	The authentication data was successfully deleted. (*aa...aa*) *aa...aa*: Product name	The authentication data was successfully deleted.

Message ID	Message Text	Description
KAPM00113-I	The authentication data is already deleted. (*aa...aa*) *aa...aa*: Product name	The authentication data is already deleted.
KAPM00114-I	The authentication data was successfully displayed.	The authentication data was successfully displayed.
KAPM00115-E	An attempt to communicate with the SSO server has failed.	An attempt to communicate with the SSO server has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00116-E	An attempt to update authentication data has failed.	This message is displayed when an attempt to update authentication data fails. Please restart the Single Sign On server.
KAPM00117-E	The RD area of HBase is blocked.	The RD area of HBase is blocked. Remove the cause of the HiRDB blockage, and then try again.
KAPM00119-E	Deletion of the license event data has failed.	Deletion of the license event data has failed. Confirm that the DBMS is running, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM00130-E	There is no value in the request.	There is no value in the request. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00131-E	A required token is not specified.	A required token is not specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00132-E	The event name is invalid.	The event name is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM00133-E	The DBMS is not running.	The DBMS is not running. Make sure the DBMS has started.
KAPM00134-E	An error occurred during a DBMS access.	An error occurred during a DBMS access. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00137-E	An authentication error occurred.	An authentication error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00138-E	Authentication data for delete processing is invalid.	Authentication data for delete processing is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00139-I	Deletion of authentication data for all products will now start.	Deletion of authentication data for all products will now start.
KAPM00140-I	Deletion of authentication data will now start. Application name: *aa...aa* Service name: *bb...bb* *aa...aa*: Application name *bb...bb*: Service name	Deletion of authentication data will now start.
KAPM00141-E	An attempt to lock the table has failed.	An attempt to lock the table has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00145-E	The RD area of HBase is blocked.	The RD area of HBase is blocked. Remove the cause of the HiRDB blockage, and then try again.
KAPM00162-E	There is an error in the protocol. (element = *aa...aa*) *aa...aa*: Element	There is an error in the protocol. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM00163-E	There is an error in the protocol. (element = *aa...aa*, attribute = *bb...bb*, value = *cc...cc*) *aa...aa*: Element *bb...bb*: Attribute *cc...cc*: Value	There is an error in the protocol. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00192-E	An exception was detected.	An exception was detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00199-E	*aa...aa* *aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object	Detailed information for KAPM*xxxxx*-E. This indicates the thrown exception object and the backtrace for that object. See the message KAPM*xxxxx*-E.
KAPM00203-E	The DBMS is not running.	The DBMS is not running. Make sure the DBMS has started.
KAPM00204-E	The RD area of HBase is blocked.	The RD area of HBase is blocked. Remove the cause of the HiRDB blockage, and then try again.
KAPM00205-E	An error occurred during access to the DBMS.	An error occurred during access to the DBMS. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00206-E	The specified event data has already been registered. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*) *aa...aa*: Application type *bb...bb*: Event type *cc...cc*: Event code	The specified event data has already been registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00207-E	Event data cannot be updated because no event data exists. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*) *aa...aa*: Application type *bb...bb*: Event type *cc...cc*: Event code	Event data cannot be updated because no event data exists. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM00208-E	Communication with the SSO server has failed.	Communication with the SSO server has failed. Make sure the following have started: the HBase Storage Mgmt Common Service or HBase Storage Mgmt Web Service, and the database.
KAPM00209-E	Authentication has failed.	Authentication has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00210-E	A program type specified for TNB_SoftwareFeature is not registered. (application type = *aa...aa*) *aa...aa*: Application type	A program type specified for TNB_SoftwareFeature is not registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00211-E	Associated data does not exist. (application type = *aa...aa*) *aa...aa*: Application type	Associated data does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00212-E	An event management object cannot be deleted because the specified parameter is invalid. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*) *aa...aa*: Application type *bb...bb*: Event type *cc...cc*: Event code	An event management object cannot be deleted because the specified parameter is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00213-E	The value registered in the database is invalid. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*) *aa...aa*: Application type *bb...bb*: Event type *cc...cc*: Event code	The value registered in the database is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00214-E	The same information is already registered in the database. (application type = *aa...aa*, event type = *bb...bb*, event code = *cc...cc*) *aa...aa*: Application type *bb...bb*: Event type	The same information is already registered in the database. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
	cc...cc: Event code	
KAPM00215-E	An attribute value is invalid. (attribute = *aa...aa*) *aa...aa*: Attribute	An attribute value is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00216-W	The attribute length exceeds the maximum limit. (attribute = *aa...aa*, value = *bb...bb*, maximum limit = *cc...cc*) *aa...aa*: Attribute *bb...bb*: Value *cc...cc*: Maximum limit	The attribute length exceeds the maximum limit. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00217-E	An invalid parameter is specified.	An invalid parameter is specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00218-W	The relation between the license warning window and the version window is not registered. (application type = *aa...aa*) *aa...aa*: Application type	The relation between the license warning window and the version window is not registered. (application type = *aa...aa*)
KAPM00252-E	The license information file does not exist. (license information file = *aa...aa*) *aa...aa*: License information file	The license information file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00253-E	The license information file might be corrupted. (license information file = *aa...aa*) *aa...aa*: License information file	The license information file might be corrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00254-E	An attempt to read the license information file has failed. (license information file = *aa...aa*) *aa...aa*: License information file	An attempt to read the license information file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM00255-E	The license information file cannot be accessed. (license information file = *aa...aa*) *aa...aa*: License information file	The license information file cannot be accessed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00256-E	The license information file contains invalid information. (line number = *aa...aa*, value = *bb...bb*) *aa...aa*: Line number *bb...bb*: Value	The license information file contains invalid information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00257-E	The format ID of the license information in the license information file is invalid. (format ID = *aa...aa*) *aa...aa*: Format ID	The format ID of the license information in the license information file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00258-E	The length of the license information in the license information file is invalid. (format ID = *aa...aa*, number of characters = *bb...bb*) *aa...aa*: Format ID *bb...bb*: Number of characters	The length of license information in the license information file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00259-E	Valid license information does not exist.	Valid license information does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00260-E	The PPID in the license information file contains non-hexadecimal characters. (PPID = *aa...aa*) *aa...aa*: PPID	The PPID in the license information file contains non-hexadecimal characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00261-E	The device number in the license information file contains non-alphanumeric characters. (device number = *aa...aa*) *aa...aa*: Device number	The device number in the license information file contains non-alphanumeric characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM00262-E	The license type in the license information file is invalid. (license type = *aa...aa*) *aa...aa*: License type	The license type in the license information file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00263-E	The license capacity in the license information file contains non-alphanumeric characters. (license capacity = *aa...aa*) *aa...aa*: License capacity	The license capacity in the license information file contains non-alphanumeric characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00264-E	The expiration date in the license information file contains non-numerical characters. (expiration date = *aa...aa*) *aa...aa*: Expiration date	The expiration date in the license information file contains non-numerical characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00265-E	The serial number in the license information file contains non-alphanumeric characters. (serial number = *aa...aa*) *aa...aa*: Serial number	The serial number in the license information file contains non-alphanumeric characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00266-E	The subscription license capacity in the license information file contains non-alphanumeric characters. (capacity of subscription license = *aa...aa*) *aa...aa*: Capacity of subscription license	The subscription license capacity in the license information file contains non-alphanumeric characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00267-E	The device type in the license information file contains non-alphanumeric characters. (device type = *aa...aa*) *aa...aa*: Device type	The device type in the license information file contains non-alphanumeric characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM00269-E	The specified argument is invalid.	The specified argument is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00270-E	The used capacity of the specified storage system is invalid. (used capacity = *aa...aa*) *aa...aa*: Used capacity	The used capacity of the specified storage system is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00271-E	The license is in emergency status.	The license is in emergency status. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00272-E	The meter-based term license capacity cannot be reduced because a meter-based term license cannot be applied to the target storage system.	The meter-based term license capacity cannot be reduced because a meter-based term license cannot be applied to the target storage system. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00273-E	The capacity after reduction falls below the minimum of -99,999,999 TB.	The capacity after reduction falls below the minimum of -99,999,999 TB. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00274-E	The specified license information is invalid. (attribute = *aa...aa*) *aa...aa*: Attribute	The specified license information is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00275-W	The current storage system's used capacity is within the range of the usable capacity under a permanent license. (usable capacity under permanent license = *aa...aa*, usable capacity under meter-based term license = *bb...bb*)	The current storage system's used capacity is within the range of the usable capacity under a permanent license.

Message ID	Message Text	Description
	aa...aa: Usable capacity under a permanent license *bb...bb*: Usable capacity under a meter-based term license	
KAPM00276-E	The usable capacity under the meter-based term license is less than 0. (usable capacity under meter-based term license = *aa...aa*) *aa...aa*: Usable capacity under a meter-based term license	The usable capacity under the meter-based term license is less than 0. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00277-W	An attempt to write to the license history has failed.	An attempt to write to the license history has failed.
KAPM00278-W	An attempt to modify the file attribute failed. (file name = *aa...aa*) *aa...aa*: file name	An attempt to modify the `file` attribute failed.
KAPM00279-E	Exclusive control has failed.	Exclusive control has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00280-E	A time out occurred during exclusive control.	A timeout occurred during exclusive control. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM00281-E	The meter-based term licensed capacity cannot be reduced because *aa...aa* day(s) passed since the usable license capacity became negative. *aa...aa*: Number of days since the usable licensed capacity became negative	The meter-based term licensed capacity cannot be reduced because *aa...aa* day(s) passed since the usable license capacity became negative. Check the meter-based term license information, and then add a license key if necessary.
KAPM00282-W	The license information file does not exist. (application type = *aa...aa*) *aa...aa*: Application type	There is no license information file for the application output in the message. If no license has been entered, this message might be output even during normal operation.
KAPM00283-E	The license information file might be corrupted. (application type = *aa...aa*) *aa...aa*: Application type	The license information file might be corrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM00284-E	An attempt to read the license information file failed. (application type = *aa...aa*) *aa...aa*: Application type	An attempt to read the license information file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00285-E	The license information file cannot be accessed. (application type = *aa...aa*) *aa...aa*: Application type	The license information file cannot be accessed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM00286-E	The number of servers after the subtraction operation fell below the minimum value -99,999,999.	The number of servers after the subtraction operation fell below the minimum value -99,999,999. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM00287-E	Information related to the exclusion control failure will be output. (function name = *aa...aa*, detailed error code = *bb...bb*, processing time = *cc...cc*) *aa...aa*: Function name *bb...bb*: Detailed error code *cc...cc*: Processing time	Information related to the exclusion control failure will be output. Take action according to the previous message.
KAPM00288-E	An attempt to release the lock failed.	An attempt to release the lock failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM00900-I	The SSO server started successfully.	The SSO server started successfully.
KAPM00901-E	An attempt to start the SSO server has failed.	An attempt to start the SSO server has failed.
KAPM00902-I	The SSO server was stopped successfully.	The SSO server was stopped successfully.
KAPM01001-I	Initializing HssoServer configuration.	Servlet initialization has started.

Message ID	Message Text	Description
KAPM01002-E	The system property indicated by hcmds.home could not be found.	The system property indicated by `hcmds.home` could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01003-E	HssoServerRes1_0.dtd was not found. path= *aa...aa* *aa...aa*: Path of file HssoServerRes1_0.dtd	`HssoServerRes1_0.dtd` was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01004-E	Can't read DTD files.	An attempt to read the DTD file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01005-W	Failed to close FileStream.	An attempt to close FileStream has failed.
KAPM01008-I	HTTP:POST from *aa...aa* *aa...aa*: IP address	The IP address of the requesting client.
KAPM01010-E	Can't get InputStream from Request.	An attempt to acquire an InputStream from a client's request has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01013-E	Unsupported command was requested.	The requested command name is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01017-E	Unsupported method was requested.	The requested method name is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01019-E	Unsupported method was requested.	The requested method name is invalid.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01024-I	Request Information: Version = *aa...aa*, Command = *bb...bb*, ID = *cc...cc* *aa...aa*: Version *bb...bb*: Command *cc...cc*: ID	The request information will be displayed.
KAPM01025-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01026-E	An attempt to initialize the HSSO Server configuration has failed.	An attempt to initialize the HSSO server configuration has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01028-E	The file "*aa...aa*" could not be read. Path = *bb...bb* *aa...aa*: File name *bb...bb*: File path name	The file "*aa...aa*" could not be read. Check the specified file path and the permission for reading the specified file.
KAPM01034-E	Can't get the required information from request. Request is invalid.	The request format is invalid (analysis was successful). To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01036-E	Request XML can't parse to DOM. - *aa...aa* *aa...aa*: Exception message	The format of the request is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01040-E	XML version *aa...aa* for HssoClient is not supported. *aa...aa*: Request version	The version of the specified request is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM01042-E	An attempt to parse the request has failed.	An attempt to parse the request has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01046-E	The format of the request was invalid. Cause = *aa...aa* *aa...aa*: Cause	The format of the request was invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01051-E	The creation of HSSOContext for authentication has failed. *aa...aa* *aa...aa*: Exception message	An attempt to create HSSOContext has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01052-I	*aa...aa* accessed. *aa...aa*: User ID	Indicates the ID of the accessing user.
KAPM01053-E	Authentication Failed.	An attempt at client authentication has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01055-E	The system property specified in hcmds.home cannot be found.	The system property specified in `hcmds.home` cannot be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01056-E	HDVM.user not found at hcmds.home.	`HDVM.user` not found at `hcmds.home`. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01057-E	HDVM.password not found at hcmds.home.	`HDVM.password` not found at `hcmds.home`. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM01059-E	The specified HSSO session is invalid, or does not exist. Session ID = *aa...aa* *aa...aa*: Session ID	The specified HSSO session is invalid, or does not exist. Log in again.
KAPM01061-E	An invalid value is set in the configuration file. Parameter = *aa...aa* *aa...aa*: Parameter name	An invalid value is set in the configuration file. Check the value of the parameter specified for *aa...aa* in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*\conf\user.conf Solaris SPARC : /opt/HiCommand/Base/conf/user.conf Solaris10(x64) or Linux: *Hitachi-Command-Suite-Common-Component-installation-folder*/Base/conf/user.conf
KAPM01062-E	A parameter is not set in the configuration file. Parameter = *aa...aa* *aa...aa*: Parameter name	A parameter is not set in the configuration file. Check the value of the parameter specified for *aa...aa* in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*\conf\user.conf Solaris SPARC : /opt/HiCommand/Base/conf/user.conf Solaris10(x64) or Linux: *Hitachi-Command-Suite-Common-Component-installation-folder*/Base/conf/user.conf
KAPM01063-I	HSSO configuration: Virtual Host Name = *aa...aa* *aa...aa*: Virtual host name	The set virtual host name will now be displayed.
KAPM01065-E	Can't create DOM tree. - *aa...aa* *aa...aa*: Exception message	An attempt to create a DOM tree from the client request has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01066-E	A CIM Repository exception occurred.	A CIM Repository exception occurred. For the HiCommand V3.x series, confirm that InterBase or InterClient is running. For the HiCommand V4.x series or later, confirm that HiRDB is running.

Message ID	Message Text	Description
		If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM01067-E	The status of the response from Device Manager was FAILED.	The status of the response from Device Manager was FAILED. See the following message KAPM01068-E for the cause. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01068-E	*aa...aa* *aa...aa*: Information that is included in the response of Device Manager	*aa...aa*: Information that is included in the response of Device Manager. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01069-E	The protocol version *aa...aa* for HSSO Client is not supported. *aa...aa*: Protocol version	The protocol version *aa...aa* for HSSO Client is not supported. An error might have occurred in an HSSO operation requested by a secondary server. Check whether an HSSO error has occurred by referring to the log data output by the secondary server. If an error has occurred, upgrade the Suite product installed on the primary server.
KAPM01073-E	The format of the response from Device Manager was invalid.	The format of the response from Device Manager was invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01081-E	Authentication has failed. User ID = *aa...aa* *aa...aa*: User ID	Authentication has failed. Log in again using a valid user ID and password.
KAPM01084-I	The HSSO session has started. Session ID = *aa...aa* *aa...aa*: Session ID	The HSSO session has started.
KAPM01087-W	The specified HSSO session is invalid, or does not exist. Session ID = *aa...aa*	The specified HSSO session is invalid, or does not exist. Session ID = *aa...aa*
KAPM01088-E	An attempt to load the class failed. Class = *aa...aa*	An attempt to load the class failed.

Message ID	Message Text	Description
	aa...aa: Class name	Confirm that the class specified for *aa...aa* is the class specified in `HSSO.classpath`. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris SPARC : `/opt/HiCommand/Base/conf/user.conf` Solaris10(x64) or Linux: *Hitachi-Command-Suite-Common-Component-installation-folder*`/Base/conf/user.conf`
KAPM01089-E	An attempt to create the instance of the class for authentication failed. Class = *aa...aa* *aa...aa*: Class name	An attempt to create the instance of the class for authentication failed. Check the value of `HSSO.authentication.module` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris SPARC : `/opt/HiCommand/Base/conf/user.conf` Solaris10(x64) or Linux: *Hitachi-Command-Suite-Common-Component-installation-folder*`/Base/conf/user.conf`
KAPM01090-E	An attempt to create the instance of the class for authorization failed. Class = *aa...aa* *aa...aa*: Class name	An attempt to create the instance of the class for authorization failed. Check the value of `HSSO.authorization.module` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris SPARC : `/opt/HiCommand/Base/conf/user.conf` Solaris10(x64) or Linux: *Hitachi-Command-Suite-Common-Component-installation-folder*`/Base/conf/user.conf`
KAPM01091-E	An attempt to initialize the authentication class failed. Class = *aa...aa* *aa...aa*: Class name	An attempt to initialize the authentication class failed. Take action according to the proceeding message.
KAPM01092-E	An attempt to initialize the authorization class failed. Class = *aa...aa* *aa...aa*: Class name	An attempt to initialize the authorization class failed. Take action according to the proceeding message.

Message ID	Message Text	Description
KAPM01093-I	HSSO configuration: Authentication class = *aa...aa* *aa...aa*: Class name	The authentication class that HSSO uses will now be displayed.
KAPM01094-I	HSSO configuration: Authorization class = *aa...aa* *aa...aa*: Class name	The authorization class that HSSO uses will now be displayed.
KAPM01095-E	The authenticated user does not have permission. User ID = *aa...aa*, Application = *bb...bb* *aa...aa*: User ID *bb...bb*: Application	The authenticated user does not have permission. Log in again as a user having the permission.
KAPM01096-E	An attempt to authenticate the internal user has failed.	An attempt to authenticate the internal user has failed. Confirm that the user specified by the value of `HDVM.user` and `HDVM.password` in the following configuration file is registered in Device Manager. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM01097-E	An exception occurred during internal authentication module processing.	An exception occurred during internal authentication module processing. Take action according to the proceeding message.
KAPM01098-E	An exception occurred during authentication module processing.	An exception occurred during authentication module processing. Take action according to the proceeding message.
KAPM01099-E	An exception occurred during authorization module processing.	An exception occurred during authorization module processing. Take action according to the proceeding message.
KAPM01103-I	HSSO configuration: Device Manager Server URL = *aa...aa* *aa...aa*: Device Manager server URL	The URL of the Device Manager server that HSSO uses will now be displayed.
KAPM01104-I	HSSO configuration: Device Manager Server Connection Timeout = *aa...aa* *aa...aa*: Device Manager server connection timeout	The timeout value for the connection with the Device Manager server that HSSO uses will now be displayed.
KAPM01105-E	The JP1 token is invalid.	The JP1 token is invalid. Log in again.

Message ID	Message Text	Description
KAPM01106-E	An attempt to communicate with JP1/Base has failed.	An attempt to communicate with JP1/Base has failed. Check the status of JP1/Base.
KAPM01107-E	An error occurred due to a virtual host name. Function Code = *aa...aa*, Result Code = *bb...bb* *aa...aa*: Function code *bb...bb*: Result code	An error occurred due to a virtual host name. Check the value of `hbase.virtualhost` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM01108-E	An attempt to load the library associated with JP1/Base has failed.	An attempt to load the associated with JP1/Base library has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01109-E	An exception occurred during JP1 token authentication processing. Function Code = *aa...aa*, Result Code = *bb...bb* *aa...aa*: Function code *bb...bb*: Result code	An exception occurred during JP1 token authentication processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01114-E	An attempt to acquire the link and launch information failed.	An attempt to acquire the link and launch information failed. Take action according to the proceeding message.
KAPM01115-E	Exception in DeviceManager. DeviceManager returns FAILED. - *aa...aa* *aa...aa*: Error message acquired from Device Manager	The response status of Device Manager is "FAILED". To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01116-E	No user was returned from DeviceManager.	The GetUser response does not contain any user information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01119-E	No user information is set in the HSSO session.	No user information is set in the HSSO session. Log in again.

Message ID	Message Text	Description
KAPM01123-I	HSSO configuration: HSSO Session Timeout = *aa...aa* *aa...aa*: HSSO session timeout	The timeout value (in seconds) of the HSSO session will now be displayed.
KAPM01124-I	The login was successful. (session ID = *aa...aa*) *aa...aa*: Session ID	This audit log data indicates that login was successful.
KAPM01125-E	The login process has failed.	This audit log data indicates that login failed.
KAPM01126-W	The logout processing failed because the user was already logged out. (session ID = *aa...aa*) *aa...aa*: Session ID	This audit log data indicates that the logout processing failed because the user was already logged out.
KAPM01152-E	Can't get the application name from request. Request is invalid.	The application name cannot be acquired from the request. The request is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01154-W	*aa...aa* is not registered. *aa...aa*: Application name	*aa...aa* is not registered.
KAPM01156-E	Exception in Repository. - *aa...aa* *aa...aa*: Message	An error occurred when the Common Repository was accessed. See the message KAPM02xxx-E.
KAPM01167-E	The database has stopped.	The database has stopped.
KAPM01168-E	The RD area of HBase is blocked.	The RD area of HBase is blocked. Remove the cause of the HiRDB blockage, and then try again.
KAPM01169-E	Authentication of the JP1 token failed.	Authentication of the JP1 token failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM01170-I	The JP1 token will now be authenticated.	The JP1 token will now be authenticated.
KAPM01171-I	The JP1 token was successfully authenticated.	The JP1 token was successfully authenticated.
KAPM01172-E	An error occurred while linking to the external authentication server.	An error occurred while linking to the external authentication server. Perform one of the following procedures. For LDAP:

Message ID	Message Text	Description
		1. Use the host, port, and protocol set in `exauth.properties` to verify whether the external authentication server can be accessed, and verify the external authentication server settings and network status. 2. Use the `hcmds64ldapuser` command to verify whether information is registered about the server whose name is set for the `auth.server.name` attribute in `exauth.properties`. 3. If STARTTLS is used, verify that SSL is set. 4. If OCSP is enabled, verify that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Use the host, port, and protocol set in `exauth.properties` to verify whether the external authentication server can be accessed, and verify the external authentication server settings and network status. 2. Use the `hcmds64radiussecret` command to verify whether information is registered about the server whose name is set for the `auth.server.name` attribute in `exauth.properties`. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For Kerberos: 1. Verify that the realm name and KDC set in `exauth.properties` are correct. 2. Verify that the network is properly set up.

Message ID	Message Text	Description
		3. Verify that the external authentication server supports the Kerberos V5 protocol. 4. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For JP1/Base: 1. Verify that JP1/Base on the primary server is running properly. 2. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM01174-I	Mutual authentication started.	Mutual authentication started.
KAPM01175-I	Mutual authentication was successful.	Mutual authentication was successful.
KAPM01176-E	An attempt to acquire the trusted server ID failed.	An attempt to acquire the trusted server ID failed. Use the `hcmds64chgtsid` command to register the trusted server ID.
KAPM01177-E	An attempt to acquire the trusted server information has failed. (trusted server ID = *aa...aa*) *aa...aa*: Trusted server ID	An attempt to acquire the trusted server information has failed. Use the `hcmds64trust` command to register a trusted server that matches the trusted server ID.
KAPM01178-E	An attempt to load init.conf failed.	An attempt to load `init.conf` failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect
KAPM01179-E	The list of library files could not be retrieved properly.	The list of library files could not be retrieved properly. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect
KAPM01180-E	Granting of a permission failed because the client of the trusted server and the trusted server have different authentication methods. (user ID = *aa...aa*)	Granting of a permission failed because the client of the trusted server and the trusted server have different authentication methods.

Message ID	Message Text	Description
	aa...aa: User ID	Check and, if necessary, revise the authentication methods.
KAPM01181-E	Authentication has failed.	Authentication has failed. Check and, if necessary, revise the mutual authentication environment.
KAPM01182-E	Authentication has failed. User ID = *aa...aa* *aa...aa*: User ID	Authentication has failed. Check and, if necessary, revise the mutual authentication environment.
KAPM01183-E	An error occurred in communication with the HSSO server.	An error occurred in communication with the HSSO server. Do the following: 1. Make sure that you can access the trusted server by using the host, port, and protocol that you set by using the `hcmds64trust` command. 2. Check and, if necessary, use the `hcmds64trust` command to revise the trusted server settings for the products that will perform mutual authentication.
KAPM01184-E	An error occurred on the HSSO server.	An error occurred on the HSSO server. Retry the operation. If the problem cannot be resolved, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM01185-E	No groups that the user belongs to are registered.	No groups that the user belongs to are registered. Register a group that the user belongs to and that is on the external authentication server, and then grant the proper permissions to the group.
KAPM01186-E	The authenticated user cannot be used in mutual authentication. (user ID = *aa...aa*) *aa...aa*: User ID	The authenticated user cannot be used in mutual authentication. Use a user who can be used in mutual authentication.
KAPM01187-W	An attempt to record a login date failed. (user ID = *aa...aa*) *aa...aa*: user ID	An attempt to record a login date failed. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who might ask you to collect troubleshooting information.
KAPM01188-I	The login date was recorded. (user ID = *aa...aa*, product name = *bb...bb*)	The login date was recorded.

Message ID	Message Text	Description
	aa...aa: User ID *bb...bb*: Product name	
KAPM01189-W	The login date could not be recorded because the user information does not exist in the database. (user ID = *aa...aa*, product name = *bb...bb*) *aa...aa*: User ID *bb...bb*: Product name	The login date could not be recorded because the user information does not exist in the database.
KAPM01190-E	An attempt to authenticate the user failed because a secret file is registered. (user id = *aa...aa*) *aa...aa*: User id	An attempt to authenticate the user failed because a secret file is registered. Make sure that the status of the secret file is the same on both the primary and secondary servers.
KAPM01191-E	An attempt to decrypt authentication data failed. (user id = *aa...aa*) *aa...aa*: User id	An attempt to decrypt authentication data failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM01192-E	The decrypted authentication data is invalid. (user id = *aa...aa*) *aa...aa*: User id	The decrypted authentication data is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM01205-E	No instance of Service associated with ServiceAccessPoint.	An attempt to acquire the service associated with ServiceAccessPoint has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01206-E	No instance of SoftwareFeature associated with Service.	An attempt to acquire the SoftwareFeature associated with the Service has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01208-E	Exception in Repository. - *aa...aa*	An error occurred in the access to the repository. See the message KAPM02xxx-E.

Message ID	Message Text	Description
	aa...aa: Details about the repository access error	
KAPM01209-W	ServiceAccessPoint is not registered.	ServiceAccessPoint is not registered.
KAPM01220-E	Communication with the external authentication server has failed.	Communication with the external authentication server has failed. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause

Message ID	Message Text	Description
		and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For Kerberos: 1. Make sure that the realm name and KDC specified in `exauth.properties` are correct. 2. Make sure that the network is correctly connected. 3. Make sure that the external authentication server is compatible with the Kerberos V5 protocol. 4. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM01255-E	Exception in DeviceManager. DeviceManager returns FAILED. - *aa...aa* *aa...aa*: Error message acquired from Device Manager	The response status of Device Manager is "FAILED". To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01302-E	Can't get the host name or port number of DeviceManager from configuration.	The host name or port number of Device Manager cannot be acquired from the configuration. Confirm that the value of the properties `HDVM.host` and `HDVM.port` are set in `init.conf`.
KAPM01308-E	An attempt to communicate with Device Manager failed. URL = *aa...aa* *aa...aa*: URL	An attempt to communicate with Device Manager failed. Check the status of Device Manager, and check the values of `HDVM.protocol`, `HDVM.host` and `HDVM.port` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM01309-E	The Device Manager Server XML API version *aa...aa* is not supported. *aa...aa*: Version	Device Manager server XML API version *aa...aa* is not supported. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01312-E	DeviceManager Server version *aa...aa* is not supported. *aa...aa*: Version of Device Manager	Device Manager server version *aa...aa* is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01314-E	The connection to Device Manager timed out.	The connection to Device Manager timed out. Confirm that Device Manager is running.
KAPM01331-I	Connecting to DeviceManager Server specified by *aa...aa* *aa...aa*: URL of Device Manager	The connection to Device Manager is being established.
KAPM01336-E	URL *aa...aa* is invalid to DeviceManager Server. *aa...aa*: URL of Device Manager	The format of the URL *aa...aa* for Device Manager server is invalid. Confirm that the values of the `HDVM.host` and `HDVM.port` properties are valid in `init.conf`.
KAPM01337-E	Authentication Failed in DeviceManager.	An authentication error occurred in Device Manager. Confirm that the specified user was registered in Device Manager.
KAPM01338-E	I/O Error regarding connection to DeviceManager.	An I/O Error occurred in the communication with Device Manager. Confirm that Device Manager is running.
KAPM01353-E	Can not map *aa...aa*. *aa...aa*: User permissions	User permissions could not be mapped. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM01401-I	Creating CIMClient.	CIMClient creation is starting.
KAPM01402-E	Can't create CIMClient. - *aa...aa* *aa...aa*: Exception message	An attempt to create CIMClient has failed. See the message KAPM02xxx-E.
KAPM01503-W	The default value will be set because the value set for HTTP KeepAlive is invalid. (parameter name = *aa...aa*, parameter value = *bb...bb*, parameter default value = *cc...cc*)	The default value will be set because the value set for HTTP KeepAlive is invalid. Revise the parameter value set for *aa...aa* in the `user.conf` file.

Message ID	Message Text	Description
	aa...aa: Parameter name *bb...bb*: Parameter value *cc...cc*: Parameter default value	
KAPM02001-E	Can not be found database.	The database could not be found. Check the value of `DATABASE.path` in the following file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02001-W	Some of connection updated the same instance together. So didn't update the instance.	Some of connection updated the same instance together. So didn't update the instance. Confirm that the candidate for updating was updated. If it was not updated, try again.
KAPM02002-E	Your user name and password are not defined.	The name or password of the user accessing the database is invalid. Check the value of `DATABASE.user` or `DATABASE.password` in the following file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02003-E	An unknown host exception occurred while trying to open a socket connection to server.	The host name of the database to be accessed is invalid. Check the value of `DATABASE.hostname` in the following file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02004-E	No suitable driver.	The driver name for accessing the database is invalid. Check the value of `DATABASE.type` in the following file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`

Message ID	Message Text	Description
KAPM02005-E	A socket exception occurred while trying to establish a socket connection to server.	A socket exception occurred while trying to establish a socket connection to server. Make sure that InterClient is running.
KAPM02006-E	InterServer is unable to locate the InterBase application or service.	InterServer is unable to locate the InterBase application or service. Make sure that InterBase is running.
KAPM02007-E	*aa...aa* *aa...aa*: Exception message	An SQLException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02008-E	*aa...aa* *aa...aa*: Exception message	Another type of exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02009-E	Failed to unlock a table when inserting a record or records.	The table-unlock process that set the connection during the insert has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02010-E	Update data doesn't exist.	The data could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02011-E	Delete data doesn't exist.	The data could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02012-E	Search data doesn't exist.	The data could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02013-E	Exception happened when some CIM class was used.	An error occurred while reading or using the value specified in CIM.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02014-E	An attempt to load the definition for a class has failed. Class name = *aa...aa* *aa...aa*: Class name	An attempt to load the definition for a class has failed. Take action according to the proceeding message.
KAPM02015-E	A class definition could not be found. Class name = *aa...aa* *aa...aa*: Class name	A class definition could not be found. Reboot the single signon service.
KAPM02016-E	A RepositoryException occurred.	A RepositoryException occurred. Take action according to the proceeding message.
KAPM02017-E	The parameter is null.	The parameter is null. This message provides additional information. Check the other messages that were output around the same time, and then follow the instructions given in those messages.
KAPM02018-E	The parameter is invalid.	The parameter is invalid. Take action according to the proceeding message.
KAPM02019-E	The CIMElement already exists.	The CIMElement already exists. Take action according to the proceeding message.
KAPM02020-E	Duplicate data exists.	Duplicate data exists. Take action according to the proceeding message.
KAPM02021-E	The CIMElement could not be found.	The CIMElement could not be found. Take action according to the proceeding message.
KAPM02023-E	The CIMObjectPath is incorrect. A key is required.	The CIMObjectPath is incorrect. A key is required. Take action according to the proceeding message.
KAPM02025-E	The CIMObjectPath contains an invalid property.	The CIMObjectPath contains an invalid property. Take action according to the proceeding message.
KAPM02027-E	The key property could not be changed.	The key property could not be changed. Take action according to the proceeding message.

Message ID	Message Text	Description
KAPM02029-E	The initialize parameter is invalid.	The initialize parameter in `init.conf` is invalid. Take action according to the proceeding message.
KAPM02030-E	An unsupported data type was used.	An unsupported data type was used. Take action according to the proceeding message.
KAPM02031-E	The CIMClass is invalid. A KEY property is required.	The CIMClass is invalid. A KEY property is required. Take action according to the proceeding message.
KAPM02032-E	The CIMClass could not be deleted, because it contains instances.	The CIMClass could not be deleted, because it contains instances. Take action according to the proceeding message.
KAPM02033-E	The CIMClass could not be deleted, because it contains subclasses.	The CIMClass could not be deleted, because it contains subclasses. Take action according to the proceeding message.
KAPM02034-E	A ClassNotFoundException occurred.	A ClassNotFoundException occurred. Take action according to the proceeding message.
KAPM02035-E	A CIMInConnectionPoolException occurred.	A CIMInConnectionPoolException occurred. Take action according to the proceeding message.
KAPM02036-E	A connection to the database could not be established.	A connection to the database could not be established. Take action according to the proceeding message.
KAPM02038-W	A DeadLockException occurred. Description = *aa...aa* *aa...aa*: Class name	A DeadLockException occurred. Take action according to the proceeding message.
KAPM02039-W	A CIMInDeadLockException occurred.	A CIMInDeadLockException occurred. Take action according to the proceeding message.
KAPM02040-E	The CIMInstance is invalid.	The CIMInstance is invalid. Take action according to the proceeding message.
KAPM02041-E	The CIMObjectPath is invalid.	The CIMObjectPath is invalid. This message provides additional information. Check the other messages that were output around the same time, and then follow the instructions given in those messages.

Message ID	Message Text	Description
KAPM02042-E	The name of property is invalid.	The name of property is invalid. Take action according to the proceeding message.
KAPM02044-E	A DBNotFoundException occurred.	A DBNotFoundException occurred. Take action according to the proceeding message.
KAPM02045-E	The CIMClass is invalid.	The CIMClass is invalid. Take action according to the proceeding message.
KAPM02046-E	The CIMProperty is invalid. The KEY property must be set.	The CIMProperty is invalid. The KEY property must be set. Take action according to the proceeding message.
KAPM02047-E	The type of class is invalid.	The type of class is invalid. Take action according to the proceeding message.
KAPM02048-E	Failed to get membership groups.	Failed to get membership groups. Take action according to the proceeding message.
KAPM02049-E	Not authorized object. ObjectName = *aa...aa* *aa...aa*: Object name	Not authorized object. Take action according to the proceeding message.
KAPM02050-E	Host name is invalid.	Host name is invalid. Take action according to the proceeding message.
KAPM02051-E	Cannot connect to InterClient.	Cannot connect to InterClient. Take action according to the proceeding message.
KAPM02052-E	Cannot connect to InterBase.	Cannot connect to InterBase. Take action according to the proceeding message.
KAPM02053-E	SQLException occurred. Description = *aa...aa* *aa...aa*: Description	SQLException occurred. Take action according to the proceeding message.
KAPM02054-E	Exception occurred. Description = *aa...aa* *aa...aa*: Description	Exception occurred. Take action according to the proceeding message.
KAPM02055-E	CIMException occurred. Description = *aa...aa* *aa...aa*: Description	CIMException occurred. This message provides additional information. Check the other messages that were output around the same time, and then follow the instructions given in those messages.

Message ID	Message Text	Description
KAPM02056-E	A CIMClassNotFoundException occurred.	A CIMClassNotFoundException occurred. Take action according to the proceeding message.
KAPM02057-E	IOException occurred. Description = *aa...aa* *aa...aa*: Description	IOException occurred. Take action according to the proceeding message.
KAPM02058-E	InterruptedException occurred. Description = *aa...aa* *aa...aa*: Description	InterruptedException occurred. Take action according to the proceeding message.
KAPM02059-E	The time limit for establishing a connection is over.	The time limit for establishing a connection is over. Take action according to the proceeding message.
KAPM02060-E	An attempt to establish a connection has failed.	An attempt to establish a connection has failed. Take action according to the proceeding message.
KAPM02061-E	*aa...aa* *aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object	Detailed information for KAPM*xxxxx*-E. This indicates the thrown exception object and the backtrace for that object. See the message KAPM*xxxxx*-E.
KAPM02062-I	The get method changed the state to the standby state.	The get method changed the state to the standby state.
KAPM02063-I	The createConnection method changed the state to the standby state.	The createConnection method changed the state to the standby state.
KAPM02069-E	A time-over error occurred when connecting to the repository.	A time-over error occurred when connecting to the repository. If you are trying to log in, log in again. If you have already logged in, retry the operation.
KAPM02070-E	A CIMUnavailableDatabaseExcepti on occurred. Detailed message of exception = *aa...aa* *aa...aa*: Detailed message of exception	A CIMUnavailableDatabaseException occurred. Take action according to the proceeding message.
KAPM02071-E	HiRDB is not running.	HiRDB is not running. Please start HiRDB.
KAPM02072-E	The password of a user connected to HiRDB is invalid. (user name = *aa...aa*) *aa...aa*: User name	The password of a user connected to HiRDB is invalid. Check the value of `HiRDB.password` in the `user.conf` file. If the problem cannot be resolved, detailed

Message ID	Message Text	Description
		investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02073-E	The user name of a user connected to HiRDB is invalid. (user name = *aa...aa*) *aa...aa*: User name	The user name of a user connected to HiRDB is invalid. Check the value of `HiRDB.user` in the `user.conf` file. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02074-W	The table name registered into DBMS is changed. Before= *aa...aa* After = *bb...bb* *aa...aa*: Before *bb...bb*: After	The table name to be registered in the DBMS will be changed.
KAPM02075-E	An attempt to set a connection to the factory has failed.	An attempt to set a connection to the factory has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02076-I	Processing to initialize the connection pool was executed. *aa...aa*: Initial value, *bb...bb*: Increment value, *cc...cc*: Maximum value, *dd...dd*: Keep-alive period, *ee...ee*: Timeout period, *ff...ff*: Number of retries, *gg...gg*: Retry interval *aa...aa*: Initial value *bb...bb*: Increment value *cc...cc*: Maximum value *dd...dd*: Keep-alive period *ee...ee*: Timeout period *ff...ff*: Number of retries *gg...gg*: Retry interval	Processing to initialize the connection pool was executed.
KAPM02077-E	An attempt to release the connection of the connection pool has failed.	This message is displayed when an attempt to release the connection of the connection pool fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02078-E	A RepositoryException occurred. (details = *aa...aa*) *aa...aa*: Details	This message is displayed when a RepositoryException occurs. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02079-E	An attempt to release the JDBC connection has failed.	This message is displayed when an attempt to release the JDBC connection fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02080-E	A CIMHeldRepositoryException has occurred. Exception message = *aa...aa* *aa...aa*: Detailed message of exception	A CIMHeldRepositoryException has occurred. Remove the cause of the HiRDB blockage, and then try again.
KAPM02081-E	A hcmdsDBUserManagementException has occurred. (exception message = *aa...aa*) *aa...aa*: Exception message	A hcmdsDBUserManagementException has occurred. Check the settings and the status of the HiRDB.
KAPM02201-I	The method was invoked.	The method was invoked.
KAPM02202-I	The following arguments were specified: *aa...aa* *aa...aa*: Arguments	The following arguments were specified: *aa...aa*
KAPM02203-I	External module processing has started. (module = *aa...aa*) *aa...aa*: Module	External module processing has started.
KAPM02204-I	External module processing has terminated. (module = *aa...aa*) *aa...aa*: Module	External module processing has terminated.
KAPM02210-E	The specified argument is null.	The specified argument is null.
KAPM02211-E	The password is not set.	The password is not set.
KAPM02212-E	Authentication has failed.	Authentication has failed.
KAPM02213-E	An attempt to read the password file has failed.	An attempt to read the password file has failed. Confirm that you have read permissions for the following file. In Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\.hbaspass`

Message ID	Message Text	Description
		In Solaris or Linux: `/opt/HiCommand/Base/conf/.hbaspass` If you do not have read permissions, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02214-E	An attempt to write to the password file has failed.	An attempt to write to the password file has failed. Make sure that you have write permissions for the following file. In Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf`\.hbaspass In Solaris or Linux: `/opt/HiCommand/Base/conf/.hbaspass` If you do not have write permissions, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02215-E	The authenticated user does not have permission to execute the method.	The authenticated user does not have permission to execute the method.
KAPM02216-E	The specified user was not found.	The specified user was not found.
KAPM02217-E	The specified group was not found.	The specified group was not found.
KAPM02218-E	The specified user already exists.	The specified user already exists.
KAPM02219-E	The specified group already exists.	The specified group already exists.
KAPM02220-E	The specified user is already registered in the group.	The specified user is already registered in the group.
KAPM02221-E	hadmin cannot be registered in the group.	hadmin cannot be registered in the group.
KAPM02222-E	An error occurred during user database access.	An error occurred during user database access. Confirm that the DBMS, HBase Storage Mgmt Web service, and HBase Storage Mgmt Common service are running. If they are running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02223-E	The specified mode is unsupported.	The specified mode is unsupported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02224-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02225-E	The specified user cannot be deleted.	The specified user cannot be deleted.
KAPM02226-E	The specified group cannot be deleted.	The specified group cannot be deleted.
KAPM02227-E	The common repository is stopping.	The common repository has stopped. Make sure the DBMS has started.
KAPM02228-E	The user ID is not set.	The user ID is not set. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02229-E	The specified user ID is invalid.	The specified user ID is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02230-E	The specified password is invalid.	The specified password is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02231-E	The application type is not set.	The application type is not set. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02232-E	The resource group ID is not set.	The resource group ID is not set. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02233-E	The specified application is not registered.	The specified application is not registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02234-I	The permissions for *aa...aa* will now be changed. (User ID = *aa...aa*) *aa...aa*: User ID	The permissions for *aa...aa* will now be changed.
KAPM02235-I	The permissions for *aa...aa* were changed. (User ID = *aa...aa*) *aa...aa*: User ID	The permissions for *aa...aa* were changed.
KAPM02236-I	A user account will now be created. (User ID = *aa...aa*) *aa...aa*: User ID	A user account will now be created.
KAPM02237-I	The user account was created successfully. (User ID = *aa...aa*) *aa...aa*: User ID	The user account was created successfully.
KAPM02238-I	The user-account properties will now be changed. (*aa...aa*) *aa...aa*: Properties list before the change	The user account properties will now be changed.
KAPM02239-I	The user-account properties were changed. (*aa...aa*) *aa...aa*: Properties list after the change	The user account properties were changed.
KAPM02240-I	The resource-group properties will now be changed. (*aa...aa*) *aa...aa*: Properties list before the change	The resource group properties will now be changed.
KAPM02241-I	The resource-group properties were changed. (*aa...aa*) *aa...aa*: Properties list after the change	The resource group properties were changed.
KAPM02242-I	The allocation status of the resource group will now be changed. (*aa...aa*) *aa...aa*: Allocation status before the change	The allocation status of the resource group will now be changed.
KAPM02243-I	The allocation status of the resource group was changed. (*aa...aa*)	The allocation status of the resource group was changed.

Message ID	Message Text	Description
	aa...aa: Allocation status after the change	
KAPM02244-I	The password will now be changed. (User ID = *aa...aa*) *aa...aa*: User ID	The password will now be changed.
KAPM02245-I	The password was changed. (User ID = *aa...aa*) *aa...aa*: User ID	The password was changed.
KAPM02246-I	The user account will now be deleted. (User ID = *aa...aa*) *aa...aa*: User ID	The user account will now be deleted.
KAPM02247-I	The user account was deleted. (User ID = *aa...aa*) *aa...aa*: User ID	The user account was deleted.
KAPM02248-I	The resource group will now be deleted. (resource group ID = *aa...aa*, resource group name = *bb...bb*) *aa...aa*: Resource-group ID *bb...bb*: Resource-group name	The resource group will now be deleted.
KAPM02249-I	The resource group was deleted. (resource group ID = *aa...aa*, resource group name = *bb...bb*) *aa...aa*: Resource-group ID *bb...bb*: Resource-group name	The resource group was deleted.
KAPM02250-E	A resource group with the same name has already been registered. (resource group name = *aa...aa*) *aa...aa*: Resource-group name	A resource group with the same name has already been registered.
KAPM02251-E	A user account with the same user ID has already been registered. (User ID = *aa...aa*) *aa...aa*: User ID	A user account with the same user ID has already been registered.
KAPM02252-E	A resource group with the same ID has already been registered. (group ID = *aa...aa*) *aa...aa*: Group ID	A resource group with the same ID has already been registered.
KAPM02254-I	Request information: (API version = *aa...aa*, Command name = *bb...bb*, User ID or session ID = *cc...cc*) *aa...aa*: API version *bb...bb*: Command name	Request information.

Message ID	Message Text	Description
	cc...cc: User ID or session ID	
KAPM02255-E	The specified version is not supported. (version = *aa...aa*) *aa...aa*: API version	The specified version is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02256-E	The specified command is not supported. (command = *aa...aa*) *aa...aa*: Command name	The specified command is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02257-E	Authentication has failed. (user ID = *aa...aa*) *aa...aa*: User ID	Authentication has failed. Make sure the combination of user ID and password is correct.
KAPM02258-I	Response information: (API version = *aa...aa*, Command name = *bb...bb*, Response status = *cc...cc*) *aa...aa*: API version *bb...bb*: Command name *cc...cc*: Response status	Response information.
KAPM02259-I	Response information when an error occurs: (Error code = *aa...aa*, Description = *bb...bb*) *aa...aa*: Error code *bb...bb*: Description	Response information when an error occurs.
KAPM02260-E	An attempt to communicate with a server has failed. (URL = *aa...aa*) *aa...aa*: URL of the server	An attempt to communicate with a server has failed. Make sure the HBase Storage Mgmt Common Service or the HBase Storage Mgmt Web Service of the server specified in the URL has started.
KAPM02261-E	An attempt to parse the response has failed.	An attempt to parse the response has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02262-E	The request parameter is invalid.	The request parameter is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM02263-E	This user does not have execution permissions. (ID = *aa...aa*) *aa...aa*: Session ID	This user does not have execution permissions. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02269-E	The specified user was not found.	The specified user was not found. Another user might have deleted the specified user. Refresh the display and make sure the selected user is registered.
KAPM02270-E	The same user ID already exists.	The same user ID already exists. Specify another user ID.
KAPM02271-E	An attempt to communicate with a database has failed.	An attempt to communicate with a database has failed. Make sure that HiRDB has started.
KAPM02272-E	An error occurred within the server.	An error occurred within the server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02273-I	The user will now be added. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user will now be added.
KAPM02274-I	The user was added successfully. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user was added successfully.
KAPM02275-I	The password will now be changed. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The password will now be changed.
KAPM02276-I	The password was changed successfully. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The password was changed successfully.

Message ID	Message Text	Description
KAPM02277-I	The user profile will now be changed. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user profile will now be changed.
KAPM02278-I	The user profile was changed successfully. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user profile was changed successfully.
KAPM02279-I	The permissions will now be changed. (ID = *aa...aa*, user ID = *bb...bb*, permissions = *cc...cc*) *aa...aa*: Session ID *bb...bb*: User ID *cc...cc*: Permissions after the change	The permissions will now be changed.
KAPM02280-I	The permissions were changed successfully. (ID = *aa...aa*, user ID = *bb...bb*, permissions = *cc...cc*) *aa...aa*: Session ID *bb...bb*: User ID *cc...cc*: Permissions after the change	The permissions were changed successfully.
KAPM02281-I	The user will now be deleted. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user will now be deleted.
KAPM02282-I	The user was deleted successfully. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user was deleted successfully.
KAPM02283-E	The old password is incorrect. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The old password is incorrect.
KAPM02284-I	The user will now be locked. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID	The user will now be locked.

Message ID	Message Text	Description
	bb...bb: User ID	
KAPM02285-I	The user was locked successfully. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user was locked successfully.
KAPM02286-E	An attempt to lock the user has failed. *aa...aa* *aa...aa*: Detailed information	An attempt to lock the user has failed. See the message that follows.
KAPM02287-I	The user will now be unlocked. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user will now be unlocked.
KAPM02288-I	The user was unlocked successfully. (ID = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Session ID *bb...bb*: User ID	The user was unlocked successfully.
KAPM02289-E	An attempt to unlock the user has failed. *aa...aa* *aa...aa*: Detailed information	An attempt to unlock the user has failed. See the Message of the next message.
KAPM02290-I	Authentication was successful. (user ID =*aa...aa*) *aa...aa*: User ID	Authentication was successful.
KAPM02291-W	Authentication has failed. *aa...aa* *aa...aa*: Detailed information	Authentication has failed.
KAPM02292-W	Authentication has failed for *aa...aa* times in a row, so the user (*bb...bb*) was locked. *aa...aa*: Failure times *bb...bb*: User ID	Authentication has failed for *aa...aa* times in a row, so the user (*bb...bb*) was locked.
KAPM02294-E	The RD area of HBase is blocked.	The RD area of HBase is blocked. Remove the cause of the HiRDB blockage, and then try again.
KAPM02295-E	A distinguished name has not been set.	A distinguished name has not been set. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02296-E	A domain name has not been set.	A domain name has not been set.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02297-E	The specified distinguished name already exists. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	The specified distinguished name already exists. Specify a different distinguished name.
KAPM02298-E	The specified distinguished name could not be found. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	The specified distinguished name could not be found. Another user might have already deleted the specified authorization group. Refresh the screen, and then check whether the specified authorization group is registered.
KAPM02301-E	hcmds.home is not set in the Java system properties.	`hcmds.home` is not set in the Java system properties. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02302-E	An error occurred during loading of a library.	An error occurred during loading of a library. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02303-E	An attempt to acquire user information about a HiRDB-connected user has failed. error code = *aa...aa* *aa...aa*: Error code	An attempt to acquire user information about a HiRDB-connected user has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02304-E	An attempt to set a system environment variable has failed. error code = *aa...aa* *aa...aa*: Error code	An attempt to set a system environment variable has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02305-E	Attempts to set the system environment variables PDDIR and PATH have failed. error code = *aa...aa* *aa...aa*: Error code	Attempts to set the system environment variables PDDIR and PATH have failed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02306-E	An attempt to clear an HiRDB system environment variable has failed. error code = *aa...aa* *aa...aa*: Error code	An attempt to clear an HiRDB system environment variable has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02307-E	The application type is required, but is not set.	The application type is required, but is not set. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02401-E	An attempt to read the file failed. (path = *aa...aa*) *aa...aa*: Path	An attempt to read the file failed. Confirm that a file exists in the specified location.
KAPM02409-E	A communication error occurred in an external authentication server. (error code = *aa...aa*) *aa...aa*: error code	A communication error occurred in an external authentication server. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS:

Message ID	Message Text	Description
		1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02410-W	Authentication with an external authentication server has failed. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: User ID *bb...bb*: Host *cc...cc*: Port *dd...dd*: Protocol	The login user failed to be authenticated on the external authentication server. Log in again using a valid user ID and password.
KAPM02411-W	Authentication with an external authentication server has failed. The specified user was not found in the external authentication server. (user ID = *aa...aa*, host = *bb...bb*) *aa...aa*: User ID *bb...bb*: Host	The login user was not found in the external authentication server. Log in again using a valid user ID and password.
KAPM02412-E	A naming exception occurred. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host *bb...bb*: Port *cc...cc*: Protocol	A naming exception occurred. Perform one of the following procedures: For LDAP: 1. By using the host, port, and protocol set in "`exauth.properties`", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network.

Message ID	Message Text	Description
		2. By using the `hcmds64ldapuser` command, check that the information for the server names specified in the "`auth.server.name`" attribute in "`exauth.properties`" is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is effective, check the following: - Make sure the certificate is valid. 5. If you cannot resolve the problem, collect maintenance information, and then contact the customer support. For RADIUS: 1. By using the host, port, and protocol set in "`exauth.properties`", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. By using the `hcmds64radiussecret` command, check that the information for the server names specified in the "`auth.server.name`" attribute in "`exauth.properties`" is registered. 2. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM02413-E	The negotiation for a TLS session has failed. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host *bb...bb*: Port *cc...cc*: Protocol	Negotiation for a TLS session has failed. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the

Message ID	Message Text	Description
		information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02414-I	Authentication with an external authentication server was successful. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: User ID *bb...bb*: Host *cc...cc*: Port *dd...dd*: Protocol	The login user was successfully authenticated on the external authentication server.
KAPM02416-E	A communication error occurred in an external authentication server.	A communication error occurred in an external authentication server. Perform one of the following procedures: For LDAP:

Message ID	Message Text	Description
		1. By using the host, port, and protocol set in "exauth.properties", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the hcmds64ldapuser command, check that the information for the server names specified in the "auth.server.name" attribute in "exauth.properties" is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is effective, check the following: - Make sure the certificate is valid. 5. If you cannot resolve the problem, collect maintenance information, and then contact the customer support. For RADIUS: 1. By using the host, port, and protocol set in "exauth.properties", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the hcmds64radiussecret command, check that the information for the server names specified in the "auth.server.name" attribute in "exauth.properties" is registered. 3. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM02417-E	Communication with an external authentication server has failed. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host *bb...bb*: Port *cc...cc*: Protocol	An attempt to communicate with the LDAP server has failed. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be

Message ID	Message Text	Description
		accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02418-E	The LDAP service cannot be used. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host *bb...bb*: Port *cc...cc*: Protocol	The LDAP service cannot be used. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be

Message ID	Message Text	Description
		accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02419-W	Only local operation is available because the attempt to read the configuration file for the external authentication server has failed.	Only local operation is available because the attempt to read the configuration file for the external authentication server has failed. Review the settings in the configuration file for the external authentication server.

Message ID	Message Text	Description
KAPM02422-W	A parameter in the exauth.properties file contains an invalid value (*aa...aa* = *bb...bb*). The default value (*cc...cc*) will be used. *aa...aa*: Parameter name *bb...bb*: Parameter value *cc...cc*: Default value	The `exauth.properties` file (configuration file for the external authentication server) contains an invalid parameter file. Review the settings in the configuration file for the external authentication server.
KAPM02423-E	Authentication of the search user has failed. (host = *aa...aa*) *aa...aa*: Host	Authentication of the search user at the LDAP server has failed. Use the `hcmds64ldapuser` command to register the access user in the external authentication server. If the user has already been registered, check the settings for that user.
KAPM02424-E	An error occurred in the external authentication server.	An error occurred in the LDAP server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02425-E	A parameter was not specified. (parameter = *aa...aa*) *aa...aa*: Parameter name	A parameter is not specified in the configuration file for the external authentication server. Review the settings in the configuration file for the external authentication server.
KAPM02426-E	Authentication stopped because a setting in the configuration file for the external authentication server was invalid.	Authentication stopped because a setting in the configuration file for the external authentication server was invalid. Review the settings in the configuration file for the external authentication server.
KAPM02427-E	An invalid character was specified in the URL for a host name or a port number. (host = *aa...aa*, port = *bb...bb*) *aa...aa*: Host *bb...bb*: Port	A URL for a host name or a port number, specified in the configuration file for the external authentication server, contains invalid characters. Review the settings in the configuration file for the external authentication server.
KAPM02429-I	A RADIUS packet has been received. (packet information = *aa...aa*) *aa...aa*: Packet information	A RADIUS packet has been received.
KAPM02430-E	Verification of a RADIUS packet has failed. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*, cause = *dd...dd*)	Verification of a RADIUS packet has failed.

Message ID	Message Text	Description
	aa...aa: Host *bb...bb*: Port *cc...cc*: Protocol *dd...dd*: Cause of failure	
KAPM02431-E	The connection to an external authentication server has timed out. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host *bb...bb*: Port *cc...cc*: Protocol	The connection to an external authentication server has timed out. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered.

Message ID	Message Text	Description
		3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02432-E	SSL-encrypted communication with the external authentication server has failed. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host *bb...bb*: Port *cc...cc*: Protocol	SSL-encrypted communication with the external authentication server has failed. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered.

Message ID	Message Text	Description
		3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02434-W	The lock processing was interrupted.	The lock processing was interrupted. Make a selection such that at least one user has the User Management permission.
KAPM02435-W	If the selected user accounts are locked, no more users will have the User Management permission.	If the selected user accounts are locked, no more users will have the User Management permission. Make a selection such that at least one user has the User Management permission.
KAPM02436-E	Determination of whether lock processing was performed has failed.	Determination of whether lock processing was performed has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02450-I	Authentication by an external authentication server was successful. (server type = *aa...aa*, host = *bb...bb*) *aa...aa*: Server type *bb...bb*: Host	This audit log data indicates that login was successful.
KAPM02451-W	Authentication by an external authentication server has failed. (server type = *aa...aa*, host = *bb...bb*) *aa...aa*: Server type *bb...bb*: Host	This audit log data indicates that login has failed.
KAPM02452-I	A user's authentication method has been successfully changed. (authentication method = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Authentication method *bb...bb*: User ID	This audit log data indicates that a user's authentication method has been successfully changed.
KAPM02453-E	An attempt to change a user's authentication method has failed. (authentication method = *aa...aa*, user ID = *bb...bb*) *aa...aa*: Authentication method *bb...bb*: User ID	This audit log data indicates that an attempt to change a user's authentication method has failed.

Message ID	Message Text	Description
KAPM02454-E	Acquisition of SRV records failed. (domain name = *aa...aa*, protocol = *bb...bb*) *aa...aa*: Domain name *bb...bb*: Protocol	Acquisition of SRV records failed. Make sure that SRV records have been defined on the DNS server.
KAPM02455-E	A domain has been removed from the domain list because the acquisition of SRV records failed. (domain name = *aa...aa*) *aa...aa*: Domain name	A domain has been removed from the domain list because the acquisition of SRV records failed. Make sure that SRV records have been defined on the DNS server.
KAPM02456-E	A function cannot be used because group mapping is disabled. (function name = *aa...aa*) *aa...aa*: Function name	A function cannot be used because group mapping is disabled. Revise the settings in the configuration file for the external authentication server (`exauth.properties`).
KAPM02457-E	Acquisition of the password file failed.	Acquisition of the password file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02458-E	A setting in the configuration file for the external authentication server (exauth.properties) is invalid.	A setting in the configuration file for the external authentication server (`exauth.properties`) is invalid. Revise the settings in the configuration file for the external authentication server (`exauth.properties`).
KAPM02459-E	The domain cannot be linked to. (domain name = *aa...aa*) *aa...aa*: Domain name	The domain cannot be linked to. Use a domain that can be linked to.
KAPM02460-E	The specified instance is invalid.	The specified instance is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02461-E	No device type has been specified.	No device type has been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02462-E	The specified device type is too long. (device type = *aa...aa*) *aa...aa*: Device type	The specified device type is too long. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02463-E	The specified device type includes non-alphanumeric characters. (device type = *aa...aa*) *aa...aa*: Device type	The specified device type includes non-alphanumeric characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02464-E	No device number has been specified.	No device number has been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02465-E	The specified device number is too long. (device number = *aa...aa*) *aa...aa*: Device number	The specified device number is too long. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02466-E	The specified device number includes non-alphanumeric characters. (device number = *aa...aa*) *aa...aa*: Device number	The specified device number includes non-alphanumeric characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02467-E	The specified description is too long. (description = *aa...aa*) *aa...aa*: Description	The specified description is too long. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02468-E	The specified ID is too long. (ID = *aa...aa*) *aa...aa*: ID	The specified ID is too long. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02469-E	The specified display name is too long. (display name = *aa...aa*) *aa...aa*: Display name	The specified display name is too long. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02470-E	No application has been specified.	No application has been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02471-E	No authorization information is specified for the user group.	No authorization information is specified for the user group. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02472-E	A resource group has been specified for the authorization information.	A resource group has been specified for the authorization information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02473-E	A role has been specified for the authorization information.	A role has been specified for the authorization information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02474-E	No display name has been specified.	No display name has been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02475-E	The specified resource group was not found. (resource group ID = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group ID *bb...bb*: Device type *cc...cc*: Device number	The specified resource group was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02476-E	The specified user group was not found. (user group ID = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group ID *bb...bb*: Device type *cc...cc*: Device number	The specified user group was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02477-E	A user group with the same ID is already registered. (user group ID = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group ID *bb...bb*: Device type *cc...cc*: Device number	A user group with the same ID is already registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02478-E	No ID has been specified.	No ID has been specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02479-E	An empty string has been specified for the ID.	An empty string has been specified for the ID. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02480-W	The specified application is not registered. (application type = *aa...aa*) *aa...aa*: Application type	The specified application is not registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02481-E	An application not compatible with the function was specified. (application type = *aa...aa*, function name = *bb...bb*) *aa...aa*: Application type *bb...bb*: Function name	An application not compatible with the function was specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02482-E	The method cannot be used. (class name = *aa...aa*, method name = *bb...bb*) *aa...aa*: Class name *bb...bb*: Method name	The method cannot be used. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02483-W	Invalid authentication information has been registered. (application type = *aa...aa*) *aa...aa*: Application type	Invalid authentication information has been registered. Use the `hcmds64intg` command to delete the invalid authentication information.
KAPM02484-E	The specified user account is not registered. (user ID = *aa...aa*)	The specified user account is not registered.

Message ID	Message Text	Description
	aa...aa: User ID	Make sure that a user account is registered.
KAPM02485-E	The specified role was not found. (role ID = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role ID *bb...bb*: Device type *cc...cc*: Device number	The specified role was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02486-E	A role with the same ID has already been registered. (role ID = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role ID *bb...bb*: Device type *cc...cc*: Device number	A role with the same ID has already been registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02487-E	The same role name has already been registered. (role name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role name *bb...bb*: Device type *cc...cc*: Device number	The same role name has already been registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02488-E	The specified permission was not found. (permission = *aa...aa*, application type = *bb...bb*) *aa...aa*: Permission name *bb...bb*: Application type	The specified permission was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02489-E	Encoding failed. (character string = *aa...aa*) *aa...aa*: Character string	Encoding failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM02490-E	An attempt to read the BuiltInUserGroup.properties file failed.	An attempt to read the `BuiltInUserGroup.properties` file failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02491-E	A user group with the same name is already registered. (user group name = *aa...aa*) *aa...aa*: User group name	A user group with the same name is already registered. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM02492-E	The specified user group was not found. (user group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: User group name *bb...bb*: Device type *cc...cc*: Device number	The specified user group was not found. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM02493-E	Multiple resource groups contain the same data. (class = *aa...aa*, data = *bb...bb*) *aa...aa*: Class *bb...bb*: Data	Multiple resource groups contain the same data. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02494-E	The specified resource group was not found. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group name *bb...bb*: Device type *cc...cc*: Device number	The specified resource group was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02495-W	Authentication by an external authentication server failed.	Authentication by an external authentication server failed. Perform the following steps: 1. Make sure the user name is specified correctly. Specify the user name only. Do not specify the user name in DN format. 2. Make sure the specified password is the correct password for the specified user name. 3. Make sure the specified user account has been registered in the external authentication server and is enabled. 4. Check and, if necessary, revise the values of "`basedn`" and "`attr`" for the applicable server in the "`exauth.properties`" file.

Message ID	Message Text	Description
		5. If you are using a hierarchical LDAP model, perform the following checks: ○ Use the "hcmds64ldapuser" command to verify that information about the server whose server name is specified for the "auth.server.name" attribute in the "exauth.properties" file has been registered. ○ Make sure the user account for searching for information has the necessary permissions. 6. If you are using a flat LDAP model, perform the following checks: ○ Use the "hcmds64ldapuser" command to verify that information about the server whose server name is specified for the "auth.server.name" attribute in the "exauth.properties" file has not been registered. 7. If the problem persists, collect maintenance information, and then contact customer support.
KAPM02496-E	There is no configuration corresponding to the specified domain name. (domain name = *aa...aa*) *aa...aa*: Domain name	There is no configuration whose domain name matches the specified domain name. Make sure the domain specified as part of the user ID is correct.
KAPM02502-E	Please enter a password that satisfies the following conditions: A minimum of *aa...aa* upper-case characters. A minimum of *bb...bb* lower-case characters. A minimum of *cc...cc* numerals. A minimum of *dd...dd* symbols. Different from the user ID. *aa...aa*: The minimum number of characters *bb...bb*: The minimum number of characters *cc...cc*: The minimum number of characters	Please enter a password that satisfies the following conditions: A minimum of *aa...aa* upper-case characters. A minimum of *bb...bb* lower-case characters. A minimum of *cc...cc* numerals. A minimum of *dd...dd* symbols. Different from the user ID. Enter an appropriate value according to the error message.

Message ID	Message Text	Description
	dd...dd: The minimum number of characters	
KAPM02503-E	A minimum of *aa...aa* upper-case characters. *aa...aa*:the minimum number of characters	A minimum of *aa...aa* upper-case characters. Enter an appropriate value according to the error message.
KAPM02504-E	A minimum of *aa...aa* lower-case characters. *aa...aa*:the minimum number of characters	A minimum of *aa...aa* lower-case characters. Enter an appropriate value according to the error message.
KAPM02505-E	A minimum of *aa...aa* numerals. *aa...aa*:the minimum number of characters	A minimum of *aa...aa* numerals. Enter an appropriate value according to the error message.
KAPM02506-E	A minimum of *aa...aa* symbols. *aa...aa*:the minimum number of characters	A minimum of *aa...aa* symbols. Enter an appropriate value according to the error message.
KAPM02507-E	Different from the user ID.	Different from the user ID. Enter an appropriate value according to the error message.
KAPM02508-E	Enter a value that is exactly *aa...aa* characters long. *aa...aa*:the maximum number of characters	Enter a value that is exactly *aa...aa* characters long. Enter an appropriate value according to the error message.
KAPM02509-E	The following characters can be used for the value: A-Z a-z 0-9 # + - . @ _	The following characters can be used for the value: `A-Za-z0-9#+-.@_` Enter an appropriate value according to the error message.
KAPM02510-I	Authentication by using a KDC was successful. (Kerberos principal = *aa...aa*, KDC = *bb...bb*) *aa...aa*: Kerberos principal name *bb...bb*: KDC	Authentication by using a KDC was successful.
KAPM02511-E	Communication with KDC failed. (KDC = *aa...aa*) *aa...aa*: KDC	Communication with KDC failed. Make sure the specified KDC is correct.
KAPM02512-E	Resolution of the KDC host name failed. (KDC = *aa...aa*) *aa...aa*: KDC	Resolution of the KDC host name failed. Perform one of the following procedures: • Make sure the specified KDC is correct.

Message ID	Message Text	Description
		• Make sure the specified host name in the KDC is registered in the DNS server.
KAPM02513-W	Authentication by using a KDC failed. (Kerberos principal = *aa...aa*, KDC = *bb...bb*) *aa...aa*: Kerberos principal name *bb...bb*: KDC	Authentication by using a KDC failed.
KAPM02514-I	The krb5.conf file, used for internal processing, was successfully deleted. (file name = *aa...aa*) *aa...aa*: File name	The `krb5.conf` file, used for internal processing, was successfully deleted.
KAPM02515-W	Deletion of the krb5.conf file, used for internal processing, failed. (file name = *aa...aa*) *aa...aa*: File name	Deletion of the `krb5.conf` file, used for internal processing, was successful.
KAPM02516-I	The krb5.conf file, used for internal processing, was successfully created. (file name = *aa...aa*) *aa...aa*: File name	The `krb5.conf` file, used for internal processing, was successfully created.
KAPM02517-E	Creation of the krb5.conf file, used for internal processing, failed. (file name = *aa...aa*) *aa...aa*: File name	Creation of the `krb5.conf` file, used for internal processing, failed. Make sure you have the necessary permissions to create the file on the specified path.
KAPM02518-I	A request to acquire SRV records was sent. (record key = *aa...aa*) *aa...aa*: SRV record key	A request to acquire SRV records was sent.
KAPM02519-E	Communication with the DNS server failed.	Communication with the DNS server failed. Make sure the DNS server settings in the OS are correct. Make sure the status of the network connected with the DNS server is normal.
KAPM02520-E	The Kerberos authentication settings are invalid.	The Kerberos authentication settings are invalid. Revise the Kerberos authentication settings in the `exauth.properties` file or the search user definition.
KAPM02521-E	The Kerberos realm or KDC definition is invalid. (realm name = *aa...aa*) *aa...aa*: Realm name	The Kerberos realm or KDC definition is invalid.

Message ID	Message Text	Description
		Check and, if necessary, revise the `exauth.properties` file realm or the KDC definition.
KAPM02522-W	The SRV records are undefined. (record key = *aa...aa*) *aa...aa*: SRV record key	The SRV records are undefined.
KAPM02523-I	Acquisition of the SRV records was successful. (SRV record = *aa...aa*) *aa...aa*: SRV record	Acquisition of the SRV records was successful.
KAPM02524-E	Acquisition of the SRV records failed. (record key = *aa...aa*) *aa...aa*: SRV record key	Acquisition of the SRV records failed. Make sure that the SRV records are defined on the DNS server.
KAPM02525-E	An error occurred on the DNS server.	An error occurred on the DNS server. Check the operation status of the DNS server.
KAPM02526-I	Processing to identify the user account will now start. (user ID = *aa...aa*, server type = *bb...bb*) *aa...aa*: User ID *bb...bb*: Server type	Processing to identify the user account will now start.
KAPM02527-I	The user account was found. (user ID = *aa...aa*, internal = *bb...bb*) *aa...aa*: User ID *bb...bb*: Boolean value that shows whether an external authentication server is used	The user account was found.
KAPM02528-I	The user account was not found. (user ID = *aa...aa*) *aa...aa*: User ID	The user account was not found.
KAPM02529-I	The user account was identified. (user ID = *aa...aa*, external = *bb...bb*, Kerberos user = *cc...cc*, Kerberos realm = *dd...dd*) *aa...aa*: User ID *bb...bb*: Boolean value that shows whether an external authentication server is used *cc...cc*: Kerberos user name *dd...dd*: Kerberos realm name	The user account was identified.
KAPM02551-E	The following characters can be used for the value: *aa...aa* *aa...aa*: Value	The following characters can be used for the value.

Message ID	Message Text	Description
		Enter an appropriate value according to the error message.
KAPM02552-W	An invalid permission is registered. (application type = *aa...aa*) *aa...aa*: Application type	An invalid permission is registered. Use the `hcmds64intg` command to delete the invalid authentication data.
KAPM02553-E	An attempt to authenticate the user failed because a secret file is registered. (user id = *aa...aa*) *aa...aa*: User id	An attempt to authenticate the user failed because a secret file is registered. (user id = *aa...aa*) Make sure that the status of the secret file is the same on both the primary and secondary servers.
KAPM02555-E	An attempt to decrypt the password failed. (user id = *aa...aa*) *aa...aa*: User id	An attempt to decrypt the password failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM02557-E	The decrypted password is invalid. (user id = *aa...aa*) *aa...aa*: User id	The decrypted password is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM02603-E	The resource group already exists. (resource group name = *aa...aa*) *aa...aa*: Resource group name	The resource group *aa...aa* already exists. Check the resource group name, and then change it to a name that differs from the others.
KAPM02604-E	An HcmdsInvalidOperationExceptio n occurred.	Settings for adding a user are invalid. Make sure that the settings for adding users are valid.
KAPM02605-E	An HcmdsAuthorizationException occurred.	The logged in user does not have the required permissions to add users. Add users by using an account that has the required permissions.
KAPM02606-E	An HcmdsUserManagementExcepti on occurred.	A problem occurred while adding a user. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02607-E	Make sure that the users can be added.	Make sure that the users can be added.
KAPM02615-E	An HSSOException occurred.	An HSSOException occurred.

Message ID	Message Text	Description
		Make sure that the repository is running. If you cannot, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02616-E	An IOException occurred.	An IOException occurred. Confirm that the file I/Os are valid. If that cannot be confirmed, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02617-E	A CIMException occurred.	A CIMException occurred. Make sure that the access method for the repository is correct. If you cannot, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02618-E	A CIMUnavailableDatabaseException occurred.	A CIMUnavailableDatabaseException occurred. Make sure that the connection to the repository is correct. If you cannot, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM02620-E	The resource group was not found.	The resource group was not found.
KAPM02625-E	The specified software definition *aa...aa* was not found. *aa...aa*: Application name	The specified software definition *aa...aa* was not found.
KAPM02630-I	A resource group has been created. (login ID = *aa...aa*, resource group name = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group name *cc...cc*: Module name	A resource group has been created. (login ID = *aa...aa*, resource group name = *bb...bb*, module name = *cc...cc*)
KAPM02631-I	A resource group has been deleted. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)	A resource group has been deleted. (login ID =*aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)

Message ID	Message Text	Description
	aa...aa: Login ID *bb...bb*: Resource group ID *cc...cc*: Module name	
KAPM02632-I	A resource has been added. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group ID *cc...cc*: Module name	A resource has been added. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)
KAPM02633-I	A resource has been removed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group ID *cc...cc*: Module name	A resource has been removed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)
KAPM02634-I	A resource group property has been edited. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group ID *cc...cc*: Module name	A resource group property has been edited. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)
KAPM02635-E	Creation of a resource group has failed. (login ID = *aa...aa*, resource group name = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group name *cc...cc*: Module name	Creation of a resource group has failed. (login ID =*aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)
KAPM02636-E	Deletion of a resource group has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group ID *cc...cc*: Module name	Deletion of a resource group has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)
KAPM02637-E	Addition of a resource has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group ID	Addition of a resource has failed. (login ID =*aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)

Message ID	Message Text	Description
	cc...cc: Module name	
KAPM02638-E	Removal of a resource has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group ID *cc...cc*: Module name	Removal of a resource has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)
KAPM02639-E	An attempt to edit a resource group property has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*) *aa...aa*: Login ID *bb...bb*: Resource group ID *cc...cc*: Module name	An attempt to edit a resource group property has failed. (login ID = *aa...aa*, resource group ID = *bb...bb*, module name = *cc...cc*)
KAPM02650-I	A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*) *aa...aa*: HSSO token *bb...bb*: Application name	A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*)
KAPM02651-I	The software definition *aa...aa* does not exist. *aa...aa*: Application name	The specified software definition *aa...aa* does not exist in the repository.
KAPM02652-I	*aa...aa* is not associated with a resource bundle. *aa...aa*: Application name	*aa...aa* is not associated with a resource bundle.
KAPM02654-E	A ResourceTabHandleException occurred.	A ResourceTabHandleException occurred. Check and, if necessary, revise the registered software definitions and resource bundles.
KAPM02656-I	A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*, resource group ID = *cc...cc*, resource group name = *dd...dd*) *aa...aa*: HSSO token *bb...bb*: Application name *cc...cc*: Resource group ID *dd...dd*: Resource group name	A parameter has been sent. (HSSO token = *aa...aa*, application name = *bb...bb*, resource group ID = *cc...cc*, resource group name = *dd...dd*)
KAPM02659-I	No users that can be added exist.	No users that can be added exist.

Message ID	Message Text	Description
KAPM02660-I	A user has been added successfully. (resource group name = *aa...aa*, user name = *bb...bb*) *aa...aa*: Resource group name *bb...bb*: User name	A user has been added successfully. (resource group name = *aa...aa*, user name = *bb...bb*)
KAPM02661-I	A user has been removed successfully. (resource group name = *aa...aa*, user name = *bb...bb*) *aa...aa*: Resource group name *bb...bb*: User name	A user has been removed successfully. (resource group name = *aa...aa*, user name = *bb...bb*)
KAPM02670-I	A resource group has been created.	A resource group has been created.
KAPM02671-I	A resource group has been deleted.	A resource group has been deleted.
KAPM02672-I	A resource has been added.	A resource has been added.
KAPM02674-I	A resource group property has been edited.	A resource group property has been edited.
KAPM02675-E	Creation of a resource group has failed.	Creation of a resource group has failed.
KAPM02676-E	Deletion of a resource group has failed.	Deletion of a resource group has failed.
KAPM02677-E	Addition of a resource has failed.	Addition of a resource has failed.
KAPM02679-E	An attempt to edit a resource group property has failed.	An attempt to edit a resource group property has failed.
KAPM02704-W	An invalid RUAccessPoint object was created. Addition to the launch list is not performed. Name=*aa...aa*, URL=*bb...bb*, TokenVersion=*cc...cc*, IconUrl=*dd...dd*, IconMsg=*ee...ee* *aa...aa*: Name *bb...bb*: URL *cc...cc*: Token version *dd...dd*: Icon URL *ee...ee*: Icon message	An invalid RUAccessPoint object was created. Addition to the launch list is not performed.
KAPM02705-E	CIMException occurred. The processing that acquires RUAccessPoint will now be interrupted.	CIMException occurred. The processing that acquires RUAccessPoint will now be interrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM02706-E	The URL format is failed. URL=*aa...aa* *aa...aa*: URL	The URL format is failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02801-I	[SQL]: *aa...aa* *aa...aa*: Execution SQL statement	An SQL statement was executed. Take action according to the proceeding message.
KAPM02802-E	A HcmdsExecException occurred. Message=*aa...aa*, Reason=*bb...bb* *aa...aa*: Message *bb...bb*: Reason	A HcmdsExecException occurred. Take action according to the proceeding message.
KAPM02803-E	Option is invalid.	Option is invalid. Check the options.
KAPM02804-E	A Exception occurred. Message=*aa...aa* *aa...aa*: Message	A Exception occurred. Take action according to the proceeding message.
KAPM02805-E	[Stack Trace]:*aa...aa* *aa...aa*: Stack trace	A stack trace will be output. Take action according to the proceeding message.
KAPM02806-E	A FileNotFoundException occurred.	A FileNotFoundException occurred. Confirm that a file exists in the specified location.
KAPM02807-E	A IOException occurred.	A IOException occurred. Take action according to the proceeding message.
KAPM02809-E	A SQLException occurred. Message=*aa...aa* *aa...aa*: Message	A SQLException occurred. Take action according to the proceeding message.
KAPM02810-E	An EXECUPDATE statement failed. Execution SQL statement = *aa...aa* *aa...aa*: Execution SQL statement	An EXECUPDATE statement failed. Take action according to the proceeding message.
KAPM02811-E	A ClassNotFoundException occurred.	A ClassNotFoundException occurred. Take action according to the proceeding message.
KAPM02812-E	A SQL statement failed. Message=*aa...aa*, Reason=*bb...bb* *aa...aa*: Message	A SQL statement failed. Take action according to the proceeding message.

Message ID	Message Text	Description
	bb...bb: Reason	
KAPM02813-E	An EXECQUERY statement failed. Execution SQL statement = *aa...aa* *aa...aa*: Execution SQL statement	An EXECQUERY statement failed. Take action according to the proceeding message.
KAPM02814-E	A SQLException occurred.	A SQLException occurred. Take action according to the proceeding message.
KAPM02815-E	File is not found. file-name = *aa...aa* *aa...aa*: File name	File is not found. Confirm that a file exists in the specified location.
KAPM02816-I	Record No.: *aa...aa* *aa...aa*: Record number	Displays the record number.
KAPM02817-I	Column count: *aa...aa* *aa...aa*: Number of columns	Displays the number of columns.
KAPM02818-I	*aa...aa*: *bb...bb* *aa...aa*: Column name *bb...bb*: Value	Displays the column name and value.
KAPM02891-E	DB is not found.	Database is not found. Check the value of `DATABASE.path` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02892-E	User name or password is invalid.	User name or password is invalid. Check the value of `DATABASE.user` and `DATABASE.password` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02893-E	The host name is invalid.	The host name is invalid. Check the value of `DATABASE.hostname` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`

Message ID	Message Text	Description
KAPM02894-E	No suitable driver exists.	No suitable driver exists. Check the value of `DATABASE.type` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02895-E	A connection to InterClient could not be established.	A connection to InterClient could not be established. Confirm that the InterClient service is running.
KAPM02896-E	A connection to InterBase could not be established.	A connection to InterBase could not be established. Confirm that the InterBase service is running.
KAPM02899-E	Fatal error.	Processing continuation is impossible. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02901-I	[Trace]: *aa...aa* *aa...aa*: Trace message	A trace message will be output. • Read legacy record. • Order of hcmdsID change from x to 0. • Change legacy record. • Update CIMClient From 01-00 to 01-01. • Already update. • Update DB Version. • Create TNB_Classes. • Create TNB_ClassAttribute. • Drop TNB_SERVICEACCESSBYSAP. • Drop TNB_SOFTWAREFEATURESERVICEIMPL. • Drop CIMClasses. • Succeed in update DataBase.
KAPM02902-E	A ClassNotFoundException occurred.	A ClassNotFoundException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02903-E	A HcmdsUpdateException occurred. Message = *aa...aa*, Reason = *bb...bb* *aa...aa*: Message *bb...bb*: Reason	A HcmdsUpdateException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02904-E	An option is invalid.	An option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02905-E	An exception occurred. Message = *aa...aa* *aa...aa*: Message	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02906-E	[Stack Trace]: *aa...aa* *aa...aa*: Stack trace	A stack trace is output. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02907-E	A SQLException occurred. Message = *aa...aa* *aa...aa*: Message	A SQLException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02910-E	A SELECT statement failed. Table name = *aa...aa* *aa...aa*: Table name	A SELECT statement failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02911-E	An ALTER statement failed. Table name = *aa...aa* *aa...aa*: Table name	An ALTER statement failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02912-E	A DROP statement failed. Table name = *aa...aa* *aa...aa*: Table name	A DROP statement failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM02913-E	An UPDATE statement failed. Table name = *aa...aa* *aa...aa*: Table name	An UPDATE statement failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02914-E	An EXECUPDATE statement failed. Execution SQL statement = *aa...aa* *aa...aa*: Execution SQL statement	An EXECUPDATE statement failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM02980-I	Update CIMClient from 01-00 to 01-01.	Update CIMClient from 01-00 to 01-01.
KAPM02981-I	The database has already been updated.	The database has already been updated.
KAPM02982-I	The database was successfully updated.	The database was successfully updated.
KAPM02991-E	DB is not found.	Database is not found. Check the value of `DATABASE.path` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02992-E	User name or password is invalid.	User name or password is invalid. Check the value of `DATABASE.user` and `DATABASE.password` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02993-E	The host name is invalid.	The host name is invalid. Check the value of `DATABASE.hostname` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM02994-E	No suitable driver exists.	No suitable driver exists. Check the value of `DATABASE.type` in the configuration file.

Message ID	Message Text	Description
		Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*\conf\user.conf Solaris or Linux: /opt/HiCommand/Base/conf/user.conf
KAPM02995-E	A connection to InterClient could not be established.	A connection to InterClient could not be established. Confirm that the InterClient service is running.
KAPM02996-E	A connection to InterBase could not be established.	A connection to InterBase could not be established. Confirm that the InterBase service is running.
KAPM02999-E	Fatal error.	Fatal error occurred. Take action according to the proceeding message.
KAPM03001-E	Illegal parameters have been specified to create HSSO Context.	Illegal parameters have been specified to create HSSO Context. Specify the correct user ID and password.
KAPM03004-E	An error occurred on the HSSO Server.	An error occurred on the HSSO server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03005-E	An error occurred when CIM Client was created.	An error occurred when CIM Client was created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03006-E	An unexpected error occurred.	An unexpected error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03007-E	A frame-enabled browser is required.	A frame-enabled browser is required. Use Internet Explorer 5.5 later or Netscape 6 later.
KAPM03026-E	A CIMException was generated during Console screen display processing.	A CIMException was generated during Console screen display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM03050-E	The parameter sent from the JP1/IM-View is invalid.	The parameter sent from the JP1/IM-View is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03051-E	The Launchurl is invalid.	The Launchurl is invalid.
KAPM03052-E	The JP1user ID is invalid.	The JP1user ID is invalid.
KAPM03053-E	The JP1token is invalid.	The JP1token is invalid.
KAPM03054-E	An acquisition failure occurred in RequestDispatcher.	An acquisition failure occurred in RequestDispatcher.
KAPM03055-E	A JavaScript-enabled browser is required.	A JavaScript-enabled browser is required. Use a browser that can use JavaScript. Alternatively, change the setting of the browser to use JavaScript if the use of script is disabled.
KAPM03080-E	HSSOIllegalArgumentException :Illegal parameters have been specified to create HSSO Context.	HSSOIllegalArgumentException:Illegal parameters have been specified to create HSSO Context. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03081-E	HSSONotRegisteredException: The application is not registered.	HSSONotRegisteredException: The application is not registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03082-E	HSSOAuthenticationException: Authentication failed.	HSSOAuthenticationException: Authentication failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03083-E	HSSOServerException: An error occurred in HSSO Server.	HSSOServerException: An error occurred in HSSO Server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM03084-E	IOException: HSSO SERVER Connection Error.	IOException: HSSO SERVER Connection Error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03085-E	HSSOIllegalArgumentException : "createToken()" was used before authentication.	HSSOIllegalArgumentException: "createToken()" was used before authentication. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03086-E	HSSOIllegalStateException: An unsupported version is specified.	HSSOIllegalStateException: An unsupported version is specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03087-E	An error occurred while accessing the DBMS.	An error occurred while accessing the DBMS. Verify that the DBMS, the HBase Storage Mgmt Web Service, and the HBase Storage Mgmt Common Service are running. If they are running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM03105-E	A CIMException was generated during menu bar display processing.	A CIMException was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03106-E	A CIMException was generated during subwindow display processing.	A CIMException was generated during subwindow display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM03107-E	A CIMRepositoryException was generated during menu bar display processing.	A CIMRepositoryException was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03108-E	A CIMRepositoryException was generated during subwindow display processing.	A CIMRepositoryException was generated during subwindow display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03109-E	A CIMProviderException was generated during menu bar display processing.	A CIMProviderException was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03110-E	A CIMProviderException was generated during subwindow display processing.	A CIMProviderException was generated during subwindow display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03111-E	An exception was generated during menu bar display processing.	An exception was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03112-E	An exception was generated during subwindow display processing.	An exception was generated during subwindow display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03113-E	A NoSuchElementException was generated during menu bar display processing.	A NoSuchElementException was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03114-E	A NoSuchElementException was generated during subwindow display processing.	A NoSuchElementException was generated during subwindow display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03119-I	Are you sure that you want to log out?	Are you sure that you want to log out?
KAPM03120-I	Do you want to end the application?	Do you want to end the application?
KAPM03122-E	The request parameter for a launch is invalid.	The request parameter for a launch is invalid. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM03123-E	Could not acquire the required parameter. ParmName=*aa...aa* *aa...aa*: Parameter name	The required parameter could not be acquired. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM03124-E	Failed to changing of token version. Token=*aa...aa* *aa...aa*: Token	An attempt to change the token version has failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM03125-E	Failed to getting of service information. Description=*aa...aa* *aa...aa*: Description	The acquisition of the service information has failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM03304-E	An attempt to get the path string failed.	An attempt to get the path string failed. Log in again.

Message ID	Message Text	Description
KAPM03354-W	A value is not set because an argument is invalid.	A value is not set because an argument is invalid.
KAPM03355-W	A value is not acquired because an argument is invalid.	A value is not acquired because an argument is invalid.
KAPM03356-W	A default is set because an argument is invalid. default = *aa...aa* *aa...aa*: Default	A default is set because an argument is invalid.
KAPM03357-E	A parameter of request is invalid. paramName = *aa...aa*, value = *bb...bb* *aa...aa*: Parameter name *bb...bb*: Value	A parameter of request is invalid. Log in again.
KAPM03358-E	The tree element is invalid. treeElement = *aa...aa* *aa...aa*: Tree element	The tree element is invalid. Log in again.
KAPM03361-E	An attempt to get the root element data has failed.	An attempt to get the root element data has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03362-E	An attempt to get the common repository has failed.	An attempt to get the common repository has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03363-E	An attempt to get the common resource has failed.	An attempt to get the common resource has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03364-E	The registered data in the common repository is invalid.	The registered data in the common repository is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03366-E	An attempt to get the name of default view is invalid. application name = *aa...aa*	An attempt to get the name of default view is invalid. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
	aa...aa: Application name	required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03368-W	An invalid association definition exists in the repository. instance = *aa...aa* *aa...aa*: Instance	An invalid association definition exists in the repository. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03370-W	A tree element relation (TNB_AssocNavigationDef) is invalid. name=*aa...aa*, associationClass=*bb...bb*, fromName=*cc...cc*, toClassName=*dd...dd*, fromRole=*ee...ee*, toRole=*ff...ff* *aa...aa*: Related name *bb...bb*: Related class name *cc...cc*: Class name of a relation place *dd...dd*: Class name of a related agency *ee...ee*: Attribute of a relation place *ff...ff*: Attribute of a related agency	A tree element relation (TNB_AssocNavigationDef) is invalid.
KAPM03371-W	A tree element relation (TNB_AllInstanceNavigationDef) is invalid. name=*aa...aa*, fromName=*bb...bb*, toClassName=*cc...cc* *aa...aa*: Related name *bb...bb*: Class name of a relation place *cc...cc*: Class name of a related	A tree element relation (TNB_AllInstanceNavigationDef) is invalid.
KAPM03375-W	An attempt to get the tree element data has failed. element = *aa...aa* *aa...aa*: Element	An attempt to get the tree element data has failed.
KAPM03377-W	A tree has not been created in the state where the specification object was opened. objectName = *aa...aa* *aa...aa*: Object name	A tree has not been created in the state where the specification object was opened.
KAPM03378-W	The specified object does not exist or is not shown in the tree. pathName = *aa...aa*, objectName = *bb...bb*	The specified object does not exist or is not shown in the tree.

Message ID	Message Text	Description
	aa...aa: Path name *bb...bb*: Object name	
KAPM03379-E	An attempt to create a tree from a request has failed.	An attempt to create a tree from a request has failed. Log in again.
KAPM03380-W	An active object was not found. By default, the root object will be set.	An active object was not found. By default, the root object will be set.
KAPM03381-E	An internal error occurred. If you click the Refresh button, the initial object tree will be displayed. If you cannot display the tree, log in again and then retry.	An internal error occurred. Click the "Refresh" button to display the initial object tree. If the initial object tree cannot be displayed, log in again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM03382-E	An internal error occurred. If you click the Refresh button, the initial object tree will be displayed. If you cannot display the tree, collect maintenance information, and then contact customer support.	An internal error occurred. Click the "Refresh" button to display the initial object tree. If the initial object tree cannot be displayed, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM03383-E	An internal error has occurred. Retry the operation. If the problem still cannot be solved, log in again and then retry.	An internal error has occurred. Retry the operation. If the problem still cannot be solved, log in again and then retry. Do the following: 1. Retry the operation. 2. If the problem still cannot be solved, log in again and then retry. 3. If the problem still cannot be solved, collect maintenance information, and then contact the customer support.
KAPM03384-E	An internal error has occurred. Retry the operation. If the problem still cannot be solved, collect maintenance information, and then contact customer support.	An internal error has occurred. Retry the previous operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. Restore the data from the backup file.

Message ID	Message Text	Description
KAPM03501-E	A CIM object name is not available for the selected object.	A CIM object name is not available for the selected object. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03502-W	There is no default method.	There is no default method.
KAPM03503-W	The repository data is invalid, so the localization object acquisition failed.	The repository data is invalid, so the localization object acquisition failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03504-W	A resource is not found, so the localization object acquisition failed.	A resource is not found, so the localization object acquisition failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03505-W	The selected object is already deleted.	The selected object is already deleted. Click the **Refresh** in NavigationFrame.
KAPM03702-E	A HSSOIllegalStateException occurred during launch.	A HSSOIllegalStateException occurred during launch. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03703-E	An attempt to get to the URL encoding of a token failed. token = *aa...aa* *aa...aa*: Token	An attempt to get to the URL encoding of a token failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03708-E	A HSSOAuthenticationException was generated during user profile display processing.	A HSSOAuthenticationException was generated during user profile display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03709-E	A HSSOIllegalArgumentException	A HSSOIllegalArgumentException was generated during user profile display processing.

Message ID	Message Text	Description
	was generated during user profile display processing.	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03710-E	A HSSOServerException was generated during user profile display processing.	A HSSOServerException was generated during user profile display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03712-E	An attempt to get membership groups failed.	An attempt to get membership groups failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03716-E	The format of the URL *bb...bb* for the object *aa...aa* is invalid. *aa...aa*: Object name *bb...bb*: URL	The format of the URL *bb...bb* for the object *aa...aa* is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03717-W	The resource *bb...bb* for object *aa...aa* cannot be accessed. *aa...aa*: Object name *bb...bb*: Resource name	The resource *bb...bb* for object *aa...aa* cannot be accessed.
KAPM03718-E	The data format of the resource *bb...bb* for the object *aa...aa* is invalid. *aa...aa*: Object name *bb...bb*: Resource name	The data format of the resource *bb...bb* for the object *aa...aa* is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03721-E	The attribute *bb...bb* for object *aa...aa* is missing. *aa...aa*: Object name *bb...bb*: Value of attribute	The attribute *bb...bb* for object *aa...aa* is missing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03722-E	The resource information of *bb...bb* for object *aa...aa* is missing. *aa...aa*: Object name	The resource information of *bb...bb* for object *aa...aa* is missing. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
	bb...bb: Related name	required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03723-E	Property *cc...cc* of *bb...bb* for object *aa...aa* is missing. *aa...aa*: Object name *bb...bb*: Related name *cc...cc*: Value of attribute	Property *cc...cc* of *bb...bb* for object *aa...aa* is missing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03931-W	Your session is invalid. Logout, and then login again.	Your session is invalid. Logout, and then login again. Your session is invalid. Logout, and then login again.
KAPM03951-E	An internal server error has occurred.	An internal server error has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03952-E	An attempt to get the Session has failed.	An attempt to get the Session has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03954-E	An attempt to get the HSSOSubject has failed.	An attempt to get the HSSOSubject has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03956-E	The login process has not completed properly.	The login process has not completed properly. Specify the correct user ID and password.
KAPM03957-E	An error occurred when the Common Repository was accessed.	An error occurred when the Common Repository was accessed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03958-E	The request type is not correct.	The request type is not correct. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM03960-E	An attempt to get the string from the ResourceBundle failed.	An attempt to get the string from the ResourceBundle failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03961-E	An attempt to get the RequestDispatcher for "*aa...aa*" failed. *aa...aa*: Unexpected operation	An attempt to get the RequestDispatcher for "*aa...aa*" failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03962-E	An attempt to get the application name has failed.	An attempt to get the application name has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM03963-E	Authentication has failed.	Authentication has failed. Log in again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. Restore the data from the backup file.
KAPM03964-E	An error occurred on the Single Sign On server.	An error occurred on the Single Sign On server. Do the following: 1. When using HiCommand V3.x series, make sure that the InterBase service is running. When using the HiCommand V4.x series or later, make sure that HiRDB is running. 2. If you are using Device Manager, make sure its services are running. 3. Make sure that the settings and statuses of the Single Sign On server service are appropriate. 4. If the problem cannot be solved, collect maintenance information, and then contact the customer support.

Message ID	Message Text	Description
KAPM03965-E	An error occurred on the Single Sign On server.	An error occurred on the Single Sign On server. Do the following: 1. When using HiCommand V3.x series, make sure that the InterBase service is running. If it is not running, start InterBase and log in again. If it is running, restart the Single Sign On Server, and log in again. When using the HiCommand V4.x series or later, make sure that HiRDB is running. If it is not running, start HiRDB and log in again. If it is running, restart the Single Sign On Server, and log in again. 2. If you are using Device Manager, make sure its services are running. 3. Make sure that the settings and statuses of the Single Sign On Server are appropriate. 4. If the problem cannot be solved, collect maintenance information, and then contact the customer support.
KAPM03966-E	Communications of the Single Sign On server have failed.	Communications of the Single Sign On server have failed. An error occurred on the web server or proxy server. Do the following: 1. Make sure that the services of the Single Sign On server are running. 2. Make sure that the settings and statuses of the Single Sign On server service are appropriate.
KAPM03967-E	Communications of the Single Sign On server have failed.	Communications of the Single Sign On server have failed. An error occurred on the web server or proxy server. Do the following: 1. Make sure that Hitachi Command Suite Common Web Service is running. 2. Make sure that the settings and statuses of the Single Sign On server service are appropriate.
KAPM03968-E	The token is invalid. token=*aa...aa*. *aa...aa*: Token	The token is invalid. Log in again.

Message ID	Message Text	Description
KAPM03969-E	The request is invalid.token=*aa...aa*. The name of application=*bb...bb*. *aa...aa*: Token *bb...bb*: Name of application	The request is invalid. Log in again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. Restore the data from the backup file.
KAPM03970-E	The request is invalid.token=*aa...aa*. The name of application=*bb...bb*. *aa...aa*: Token *bb...bb*: Name of application	The request is invalid. Log in again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. Restore the data from the backup file.
KAPM03971-E	The application is not registered. The name of application=*aa...aa*. *aa...aa*: Name of application	The application is not registered. Log in again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. Restore the data from the backup file.
KAPM04001-I	usage start.	This message is displayed when the usage output method of the command starts.
KAPM04002-I	usage is finished.	This message is displayed when the usage output method of the command ends.
KAPM04003-I	hcmdssup start.	The `hcmdssup` command has started.
KAPM04004-I	hcmdssup is finished.	The `hcmdssup` command has stopped.
KAPM04006-W	Log initialization has failed.	The process outputting the `hcmdssup` log has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04007-E	File is not found. file-name=*aa...aa* *aa...aa*: File name	The file could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04008-E	The error has occurred in file access. file-name=*aa...aa* *aa...aa*: File name	An error occurred while the `hsso.conf` file was being accessed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04009-E	*aa...aa* *aa...aa*: NumberFormat exception message	A NumberFormatException occurred during the processing of `hcmdssup`. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04010-E	*aa...aa* *aa...aa*: IllegalArgument exception message	An IllegalArgumentException occurred during the processing of `hcmdssup`. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04011-E	*aa...aa* *aa...aa*: NullPointerException message	A NullPointerException occurred during the creation of an object, such as a file object. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04012-E	*aa...aa* *aa...aa*: IndexOutOfBounds exception message	An IndexOutOfBoundsException occurred during the processing of `hcmdssup`. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04013-E	*aa...aa* *aa...aa*: SecurityException message	A SecurityException occurred while a system property was being accessed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04014-E	*aa...aa* *aa...aa*: Exception message	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04022-E	Hostname is too long.	The host name is too long. Specify a host name less than 64 bytes.

Message ID	Message Text	Description
KAPM04023-E	Portnumber is invalid.	The port number is invalid. Specify a port number from 1 to 65535.
KAPM04024-E	Portnumber is invalid.	The port number is invalid. The specified value is outside the integer range. Check the port number.
KAPM04025-I	hcmdssup has succeeded.	The `hcmdssup` was executed successfully.
KAPM04026-E	hcmdssup has failed.	`hcmdssup` has failed. Take action according to the proceeding message.
KAPM04027-E	The SSL port number is invalid.	The SSL port number is invalid. Specify a port number with a value from 1 to 65535.
KAPM04028-E	The SSL port number is invalid.	The SSL port number is invalid. The type of the port number is not an integer. Check the specified value.
KAPM04034-E	An attempt to read the configuration file failed.	An attempt to read the configuration file failed. Make sure that the file `hsso.conf` exists, that you have access permissions for this file, and that the file is not in use. Also, access permissions for other files might have changed so check them also.
KAPM04035-E	An attempt to write to the configuration file failed.	An attempt to write to the file `hsso.conf` failed. Make sure that the file `hsso.conf` exists, that you have access permissions for this file, and that the file is not in use. Also, access permissions for other files might have changed so check them also.
KAPM04036-E	The specified command line input is invalid. (input data = *aa...aa*) *aa...aa*: Input data	The specified command line input is invalid. Specify a valid option, and then re-execute the command.
KAPM04038-E	The specified host name is invalid.	The specified host name is invalid. Specify a valid option, and then re-execute the command.
KAPM04040-E	The specified port number is invalid.	The specified port number is invalid. Specify a valid option, and then re-execute the command.

Message ID	Message Text	Description
KAPM04042-E	The specified SSL port number is invalid.	The specified SSL port number is invalid. Specify a valid option, and then re-execute the command.
KAPM04050-I	The command hcmds64prmset ended successfully.	The command ended successfully.
KAPM04051-E	The command hcmds64prmset has failed.	The command failed. Specify a valid option, and then re-execute the command.
KAPM04052-E	An option is invalid.	The specified command line input was invalid. Make sure the command format is correct.
KAPM04059-E	The specified host name is too long.	The specified host name is too long. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04061-E	The value specified for an option is invalid.	The value specified for an option is invalid. Revise the values specified for the options.
KAPM04062-I	This server is set as a primary server.	This message is displayed if the server is set as a primary server.
KAPM04063-I	This server is set as a secondary server.	This message is displayed if the server is set as a secondary server.
KAPM04064-W	The configuration file was re-created because it was missing.	An attempt to write to the file `hsso.conf` failed because it was missing. Make sure that the file `hsso.conf` exists, that you have access permissions for this file, and that the file is not in use. Also, access permissions for other files might have changed so check them also.
KAPM04065-I	HBase Storage Mgmt Web SSO Service is set to disabled.	HBase Storage Mgmt Web SSO Service is set to disabled.
KAPM04066-I	HBase Storage Mgmt Web SSO Service is set to enabled.	HBase Storage Mgmt Web SSO Service is set to enabled.
KAPM04067-I	This server is set as a primary server.	This server is set as a primary server.
KAPM04068-I	This server is set as a secondary server.	This server is set as a secondary server.

Message ID	Message Text	Description
KAPM04069-W	An attempt to set the port number failed because the host name is not set. Change the port number together with the host name.	If you change the connection port of the secondary server, you must also change the host name. Change the connection port number together with the host name.
KAPM04070-I	The connection test was successful.	The connection test was successful.
KAPM04071-E	The connection test failed.	The connection test failed. Follow the directions in the previous message.
KAPM04072-E	A problem occurred on the primary server.	A problem occurred on the primary server. Perform the following steps: 1. Make sure the connection destination is set as the primary server. 2. Make sure the database of the primary server is running. 3. Make sure the database of the primary server is not being blocked. 4. If the problem persists, contact the customer support center, who may ask you to collect troubleshooting information.
KAPM04073-E	An unexpected error occurred on the primary server.	An unexpected error occurred on the primary server. Try the operation again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you to collect troubleshooting information.
KAPM04074-E	SSL communication failed.	SSL communication failed. Perform the following steps: 1. Make sure the host name and the port number are specified correctly. 2. Make sure the `user_httpsd.conf` file on the primary server is correct. 3. On the primary server, check the following settings: o Make sure a host name (not an IP address) is specified for the ServerName directive in the `user_httpsd.conf` file.

Message ID	Message Text	Description
		○ Make sure the host name specified for the ServerName directive in the `user_httpsd.conf` file can be resolved to an IP address. ○ Make sure the host name specified for the ServerName directive in the `user_httpsd.conf` file is the same as the common name of the SSL certificate specified for the SSLCertificateFile directive. 4. On the secondary server, check the following settings: ○ Make sure the certificate that is needed to trust HBase 64 Storage Mgmt Web Service has been successfully imported to the Hitachi Command Suite Common Component truststore (jssecacerts). 5. If the problem persists, contact the customer support center, who may ask you to collect troubleshooting information.
KAPM04075-E	An attempt to connect to the primary server failed.	An attempt to connect to the primary server failed. Perform the following steps: 1. Make sure the service of the primary server is running. 2. Make sure the host name and the port number are specified correctly. 3. Make sure the specified host name can be resolved to an IP address. 4. If an SSL connection is being used, check the following setting: ○ Make sure the settings specified in the `user_httpsd.conf` file on the primary server are correct. 5. If the problem persists, contact the customer support center, who may ask you to collect troubleshooting information.
KAPM04076-E	An unexpected error occurred during the connection test.	An unexpected error occurred during the connection test. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact the customer support center, who may ask you to collect troubleshooting information.
KAPM04077-I	hcmds64prmset [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The options specified for the command are displayed.
KAPM04078-I	A trusted server ID was successfully acquired. (trusted server ID = *aa...aa*) *aa...aa*: trusted server ID	A trusted server ID was successfully acquired.
KAPM04079-E	The specified cipher type is invalid, or the specified cipher suites are invalid. (invalid ciphers = *aa...aa*) *aa...aa*: Invalid ciphers	The specified cipher type is invalid, or the specified cipher suites are invalid. Perform the following steps: 1. Make sure the specified cipher type name is correct. 2. Make sure the specified cipher suites are supported by the JDK being used. 3. Make sure no cipher suite is specified more than once.
KAPM04080-E	The specified SSL protocols are invalid. (invalid SSL protocols = *aa...aa*) *aa...aa*: Invalid SSL protocols	The specified SSL protocols are invalid. Perform the following steps: 1. Make sure the specified SSL protocols are supported by the JDK being used. 2. Make sure no SSL protocol is specified more than once.
KAPM04081-E	An attempt to configure SSL communication failed.	An attempt to configure SSL communication failed. Follow the directions in the previous message.
KAPM04084-W	The SSL protocols defined by the cipher type will be used. (cipher type = *aa...aa*, SSL protocols = *bb...bb*) *aa...aa*: cipher type *bb...bb*: SSL protocols	The SSL protocols defined by the cipher type will be used. If you set the cipher type by using the "`ciphers`" option or if the cipher type was already set, the SSL protocols defined by the cipher type will be used by default. To change the SSL protocol, execute this command again with the cipher suite and SSL protocol that you want to use specified for the "`ciphers`" option and the "`sslprotocol`" option, respectively.

Message ID	Message Text	Description
KAPM04085-W	The SSL protocol "*aa...aa*" will be used. To change the SSL protocol, execute this command again with the "sslprotocol" option specified. *aa...aa*: SSL protocol	The default SSL protocol will be used. To change the SSL protocol, execute this command again with the "`sslprotocol`" option specified. To change the SSL protocol, execute this command again with the "`sslprotocol`" option specified.
KAPM04101-E	Container server name is invalid. Server= *aa...aa* *aa...aa*: Container server name	Container server name is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04102-E	Archive file is not found. file=*aa...aa* *aa...aa*: Archive file name	Archive file is not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04103-E	Program type is invalid. type=*aa...aa* *aa...aa*: Program type	Program type is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04104-I	Starting web application registration...	Web Application registration is now starting.
KAPM04105-E	Privilege is invalid.	The user does not have sufficient permissions to execute the command. Execute the command as a user with Administrator permission.
KAPM04106-E	Cannot get tmpjavavm.properties file name.	Cannot get `tmpjavavm.properties` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04107-E	Failed to get service registration status. service=*aa...aa* *aa...aa*: Service name	Failed to get service registration status. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04108-E	Cannot get javavm.properties file name.	Cannot get `javavm.properties` file name. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04109-E	Cannot set JavaVM option.	Cannot set `JavaVM` option. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04110-E	Cannot set Java options.	Cannot set Java options. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04111-E	An attempt to check whether a program type exists in the hcmdswebpp.ini file has failed.	An attempt to check whether a program type exists in the `hcmdswebpp.ini` file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04112-E	Cannot write hcmdswebpp.ini file.	Cannot write `hcmdswebpp.ini` file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04113-E	Service registration has failed. service=*aa...aa* *aa...aa*: Service name	Service registration has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04114-E	Failed to get service registration status. service=*aa...aa* *aa...aa*: Service name	Failed to get service registration status. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04115-E	Service registration has failed. service=*aa...aa* *aa...aa*: Service name	Service registration has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04116-I	hcmdsweb registration has succeeded.	`hcmdsweb` registration was successful.
KAPM04117-I	Starting web application deletion...	Web application deletion is now starting.
KAPM04118-E	Program type is not registered. type=*aa...aa* *aa...aa*: Program type	Program type is not registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04119-E	Cannot delete service and folder.	Cannot delete service and folder. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04120-E	Cannot delete hcmdswebpp.ini file.	Cannot delete `hcmdswebpp.ini` file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04121-I	hcmdsweb deletion has succeeded.	`hcmdsweb` deletion was successful.
KAPM04122-E	Cannot get only a war file name.	Cannot get only a war file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04123-E	Cannot get hcmdswebpp.ini file name.	Cannot get `hcmdswebpp.ini` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04124-E	Cannot get tmphcmdswebpp.ini file name.	Cannot get `tmphcmdswebpp.ini` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04125-E	Log initialization has failed.	Log initialization has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04126-E	Cannot insert new line character.	Cannot insert new line character. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04127-E	An attempt to exchange hcmdswebpp.ini with tmphcmdswebpp.ini has failed.	An attempt to exchange `hcmdswebpp.ini` with `tmphcmdswebpp.ini` has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04128-E	hcmdsweb registration has failed.	`hcmdsweb` registration has failed. Take action according to the last message.
KAPM04129-E	hcmdsweb deletion has failed.	`hcmdsweb` deletion has failed. Take action according to the last message.
KAPM04130-E	Cannot read hcmdswebpp.ini file.	Cannot read `hcmdswebpp.ini` file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04131-E	OpenSCManager command error.	`OpenSCManager` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04132-E	Access is denied.	Access is denied. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04133-E	The parameter is incorrect.	The parameter is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04134-E	The database specified does not exist.	The database specified does not exist.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04135-E	An unexpected error occurred. Error code = *aa...aa* *aa...aa*: Error code	An unexpected error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04136-E	RegOpenKeyEx command error.ErrorCode(*aa...aa*) *aa...aa*: Error code	`RegOpenKeyEx` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04137-E	A duplicate name exists on the network.	A duplicate name exists on the network. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04138-E	The filename, directory name, or volume label syntax is incorrect.	The filename, directory name, or volume label syntax is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04139-E	The account name is invalid or does not exist.	The account name is invalid or does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04140-E	Circular service dependency was specified.	Circular service dependency was specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04141-E	Service already exists. service=*aa...aa* *aa...aa*: Service name	Service already exists. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04142-E	The handle is invalid.	The handle is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04143-E	The specified service has been marked for deletion.	The specified service has been marked for deletion. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04144-E	CreateService command error. code=*aa...aa* *aa...aa*: Error code	`CreateService` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04145-E	DeleteService command error. code=*aa...aa* *aa...aa*: Error code	`DeleteService` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04146-E	OpenService command error. code=*aa...aa* *aa...aa*: Error code	`OpenService` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04147-E	The specified service does not exist as an installed service.	The specified service does not exist as an installed service. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04148-E	RegQueryValueEx command error. code=*aa...aa* *aa...aa*: Error code	`RegQueryValueEx` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04149-E	The error has occurred in *aa...aa* command. code=*bb...bb*	The error has occurred in *aa...aa* command.

Message ID	Message Text	Description
	aa...aa: Command *bb...bb*: Error code	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04150-E	The directory cannot be removed. directory=*aa...aa* *aa...aa*: Directory name	The directory cannot be removed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04151-E	The directory is not empty. directory=*aa...aa* *aa...aa*: Directory name	The directory is not empty. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04152-E	The directory name is invalid. directory=*aa...aa* *aa...aa*: Directory name	The directory name is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04153-E	QueryServiceStatus command error. code=*aa...aa* *aa...aa*: Error code	`QueryServiceStatus` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04154-E	Failed to get installation directory.	Failed to get installation directory. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04155-E	Failed to get Service name. service=*aa...aa* *aa...aa*: Service name	Failed to get Service name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04156-E	Service is running. service=*aa...aa* *aa...aa*: Service name	Service is running. Stop the service, and then execute the command again.
KAPM04157-E	Failed to get service status. service=*aa...aa* *aa...aa*: Service name	Failed to get service status. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04158-E	File is not found. file=*aa...aa* *aa...aa*: File name	File is not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04159-E	Failed to delete specified file. file=*aa...aa* *aa...aa*: File name	Failed to delete specified file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04160-E	Failed to rename *aa...aa* to *bb...bb*. *aa...aa*: Original file name *bb...bb*: New file name	Failed to rename *aa...aa* to *bb...bb*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04161-E	Privilege is invalid to access *aa...aa* file. *aa...aa*: File name	Permission to access the file is insufficient. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04162-E	Failed to copy from *aa...aa* to *bb...bb*. *aa...aa*: Name of the source file *bb...bb*: Name of the destination file	Failed to copy from *aa...aa* to *bb...bb*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04163-E	Failed to delete service. service=*aa...aa* *aa...aa*: Service name	Failed to delete service. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04164-W	Failed to delete the war file. file=*aa...aa* *aa...aa*: War file name	Failed to delete the war file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04165-W	Failed to delete the folder. folder=*aa...aa* *aa...aa*: Folder name	Failed to delete the folder. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04166-E	Failed to delete service. service=*aa...aa* *aa...aa*: Service name	Failed to delete service. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04167-E	Failed to get service folder. service-folder=*aa...aa* *aa...aa*: Service folder name	Failed to get service folder. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04168-W	Failed to delete service folder. service-folder=*aa...aa* *aa...aa*: Service folder name	Failed to delete service folder. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04169-E	File is not found. file=*aa...aa* *aa...aa*: File name	File is not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04172-E	Failed to write usrconf.properties to installation information.	Failed to write `usrconf.properties` to installation information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04173-E	Failed to read usrconf.properties file.	Failed to read `usrconf.properties` file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04174-E	Failed to exchange usrconf.properties to tmpusrconf.properties.	Failed to exchange `usrconf.properties` to `tmpusrconf.properties`. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04175-E	Failed to create directory. directory=*aa...aa* *aa...aa*: Directory name	Failed to create directory. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04176-E	Failed to get the war file name. file=*aa...aa* *aa...aa*: File name	Failed to get the war file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04177-E	Failed to read javavm.properties file.	Failed to read `javavm.properties` file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04178-E	An attempt to exchange javavm.properties with tmpjavavm.properties has failed.	An attempt to exchange `javavm.properties` with `tmpjavavm.properties` has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04197-I	Service registration has succeeded. service=*aa...aa* *aa...aa*: Service name	The service was successfully registered.
KAPM04198-I	Service registration has succeeded. service=*aa...aa* *aa...aa*: Service name	The service was successfully registered.
KAPM04202-I	Service deletion has succeeded. service=*aa...aa* *aa...aa*: Service name	The service was successfully deleted.
KAPM04205-E	Memory alloc error. code=*aa...aa* *aa...aa*: Error code	Memory alloc error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04206-E	The system cannot find the file specified.	The system cannot find the file specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04207-E	The system cannot find the path specified.	The system cannot find the path specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04208-E	The system cannot open the file.	The system cannot open the file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04209-E	The process cannot access the file because it is being used by another process.	The process cannot access the file because it is being used by another process. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04211-E	Failed to get tmpusrconf.properties file name.	Failed to get `tmpusrconf.properties` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04212-E	Failed to get usrconf.properties file name.	Failed to get `usrconf.properties` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04213-E	ExtractionWarFolderPath function error.	`ExtractionWarFolderPath` function error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04214-E	Failed to get web-users.xml file name.	Failed to get `web-users.xml` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04215-E	Failed to get template usrconf.properties file name.	Failed to get template `usrconf.properties` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04216-E	Failed to get template web-users.xml file name.	Failed to get template `web-users.xml` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04217-E	Failed to get template javavm.properties file name.	Failed to get template `javavm.properties` file name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04218-E	Failed to get Display name.	Failed to get Display name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04219-E	Failed to load hntr2t.dll. code=*aa...aa* *aa...aa*: Error code	Failed to load `hntr2t.dll`. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04220-E	The file option is invalid.	The `file` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04221-E	The type option is invalid.	The `type` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04222-E	The server option is invalid.	The `server` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04223-E	The classpath option is invalid.	The `classpath` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04224-E	The librarypath option is invalid.	The `librarypath` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04225-E	The javaoption option is invalid.	The `javaoption` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04226-E	The Xms option is invalid.	The `Xms` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04227-E	The Xmx option is invalid.	The `Xmx` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04228-E	RegCreateKeyEx command error. code=*aa...aa* *aa...aa*: Error code	`RegCreateKeyEx` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04229-E	RegSetValueEx command error. code=*aa...aa* *aa...aa*: Error code	`RegSetValueEx` command error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04230-I	Service deletion has succeeded. service=*aa...aa* *aa...aa*: Service name	Service deletion has succeeded.

Message ID	Message Text	Description
KAPM04231-E	Failed to read usrconf.properties file.	Failed to read `usrconf.properties` file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04232-E	An attempt to register the program type in the registry failed. program type = *aa...aa* *aa...aa*: Program type	An attempt to register the program type in the registry failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04233-E	An attempt to delete the program type in the registry failed. program type = *aa...aa* *aa...aa*: Program type	An attempt to delete the program type in the registry failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04234-E	Failed to remake service.	Failed to remake service. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04235-E	The minimum heap size has exceeded the maximum heap size.	The minimum heap size has exceeded the maximum heap size. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04236-E	The minimum heap size has exceeded the already set up maximum heap size.	The minimum heap size has exceeded the already set up maximum heap size. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04237-E	The service name exceeds 256 characters.	The service name exceeds 256 characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04238-E	The service registration is not possible because the service name exceeds 256 characters.	The service registration is not possible because the service name exceeds 256 characters. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04239-E	An attempt to get the service control manager execution file path failed.	An attempt to get the service control manager execution file path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04240-E	An error occurred when the environment settings folder was created.	An error occurred when the environment settings folder was created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04241-E	An error occurred when the environment settings file was set.	An error occurred when the environment settings file was set. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04242-E	An error occurred when the web application archive file was expanded.	An error occurred when the web application archive file was expanded. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04243-E	An error occurred when a directory expanded with the web application archive file was deleted.	An error occurred when a directory expanded with the web application archive file was deleted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04244-E	An error occurred when registering and updating the web server.	An error occurred when registering and updating the web server. If you are using Windows, close the Services window, and then perform the operation again. If the problem cannot be resolved, detailed

Message ID	Message Text	Description
		investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. Restore the data from the backup file.
KAPM04245-E	An error occurred when registering and updating Tomcat.	An error occurred when registering and updating Tomcat. If you are using Windows, close the Services window, and then retry the operation. If you are using a platform other than Windows, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04246-E	An error occurred when the usrconf.properties file was merged.	An error occurred when the `usrconf.properties` file was merged. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04247-E	An attempt to acquire the number of file lines has failed.	An attempt to acquire the number of file lines has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04248-E	An attempt to create Map information has failed.	An attempt to create Map information has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04249-E	An attempt to read data from a file has failed.	An attempt to read data from a file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04250-E	An attempt to set the javaVM debug option has failed.	An attempt to set the JavaVM debug option has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04251-E	The jvmoption option is invalid.	The `jvmoption` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04252-E	An error occurred in an internal function. (call function = *aa...aa*, use function = *bb...bb*, note = *cc...cc*, error code = *dd...dd*) *aa...aa*: Call function *bb...bb*: Use function *cc...cc*: Note *dd...dd*: Error code	An error occurred in an internal function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04253-E	A memory allocation error occurred. (call function = *aa...aa*, use function = *bb...bb*, note = *cc...cc*, error code = *dd...dd*) *aa...aa*: Call function *bb...bb*: Use function *cc...cc*: Note *dd...dd*: Error code	A memory allocation error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04254-E	An attempt to acquire the daemon shell name has failed.	An attempt to acquire the daemon shell name has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04255-E	An attempt to write service registration information to the version file has failed.	An attempt to write service registration information to the version file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04256-E	An attempt to delete service registration information from the version file has failed.	An attempt to delete service registration information from the version file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04257-E	An attempt to start the hcmds64srv command has failed.	An attempt to start the `hcmds64srv` command has failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM04258-E	An error occurred during execution of the hcmds64srv command.	An error occurred during execution of the `hcmds64srv` command. For details, refer to the `hcmds64srv` command log.
KAPM04259-E	An attempt to create the boot shell has failed.	An attempt to create the boot shell has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04260-E	The startup mode of the service is invalid. (start mode = *aa...aa*) *aa...aa*: Start mode	The startup mode of the service is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04261-E	The starttype option is invalid.	The `starttype` option is invalid. Confirm the specification of the `starttype` option.
KAPM04262-E	An attempt to create the usrconf.cfg file has failed.	An attempt to create the `usrconf.cfg` file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04263-E	An attempt to deploy the compiled JSP file has failed.	An attempt to deploy the compiled JSP file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04264-E	A path was not found for the Web application folder. (folder path = *aa...aa*) *aa...aa*: Folder path	A path was not found for the Web application folder. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04265-E	A path was not found for the compiled JSP storage folder. (folder path = *aa...aa*) *aa...aa*: Folder path	A path was not found for the compiled JSP storage folder. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04266-E	The contents of the directory are invalid. (Directory path = *aa...aa*) *aa...aa*: Directory path	The contents of the directory are invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04267-W	An attempt to delete the hwc directory has failed. (Directory path = *aa...aa*) *aa...aa*: Directory path	An attempt to delete the hwc directory has failed.
KAPM04271-E	An attempt to update the web application version has failed.	An attempt to update the web application version has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04272-E	Failed to delete specified directory. Directory=*aa...aa* *aa...aa*: Directory	Failed to delete specified directory. See the message KAPM*xxxxx*-W.
KAPM04273-W	An attempt to execute the *aa...aa* function has failed. (error code = *bb...bb*, description = *cc...cc*) *aa...aa*: Function name *bb...bb*: Error code *cc...cc*: Error description	This message is displayed if an attempt to add a service description has failed. The service explanation was not added. It will be added the next time the `hcmdsweb` command is executed.
KAPM04274-E	An attempt to load the DLL has failed.	This message is displayed if an attempt to load the DLL has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04275-E	An attempt to acquire the function address in the DLL has failed.	This message is displayed if an attempt to acquire the function address in the DLL has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04276-E	The file does not exist. (file name = *aa...aa*) *aa...aa*: File name	This message is displayed if the file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04279-E	An attempt to add a service description has failed.	This message is displayed if an attempt to add a service description has failed. Take the appropriate action based on the preceding message.
KAPM04280-E	A memory allocation error occurred.	This message is displayed if a memory allocation error has occurred. Please see the message that follows.
KAPM04281-E	The specified service is not registered.	This message is displayed if the specified service is not registered. Please see the message that follows.
KAPM04282-E	An attempt to acquire the installation directory has failed.	This message is displayed if an attempt to acquire the path of the Hitachi Command Suite Common Component installation folder has failed. Please see the message that follows.
KAPM04283-E	The name of the specified service is invalid.	This message is displayed if the specified service name is invalid. Please see the message that follows.
KAPM04284-E	An attempt to access the service explanation definition file has failed.	This message is displayed if an attempt to access the service explanation definition file has failed. Please see the message that follows.
KAPM04285-E	The service explanation definition file is invalid.	This message is displayed if the service explanation definition file is invalid. Please see the message that follows.
KAPM04286-E	An attempt to change a service configuration parameter has failed.	This message is displayed if an attempt to change a service configuration parameter has failed. Please see the message that follows.
KAPM04287-E	An attempt to connect the service control manager has failed.	This message is displayed if an attempt to connect the service control manager has failed. Please see the message that follows.

Message ID	Message Text	Description
KAPM04288-E	An attempt to open the service handle has failed.	This message is displayed if an attempt to open the service handle has failed. Please see the message that follows.
KAPM04289-E	An attempt to access the service explanation definition file has failed.	This message is displayed if an attempt to access the service explanation definition file has failed. Please see the message that follows.
KAPM04290-E	The service name was not specified.	This message is displayed if the service name is not specified. Please see the message that follows.
KAPM04291-I	Registration of the *aa...aa* Web application will now start. *aa...aa*: Product name	Web application registration is now starting.
KAPM04292-I	Deletion of the *aa...aa* Web application will now start. *aa...aa*: Product name	Web application deletion is now starting.
KAPM04293-E	An attempt to delete the JSP servlet class file has failed.	An attempt to delete the JSP servlet class file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04294-I	The JSP servlet class file was deleted successfully.	The JSP servlet class file was deleted successfully.
KAPM04295-I	Deletion of the JSP servlet class file will now start.	Deletion of the JSP servlet class file will now start.
KAPM04296-I	Deletion of the JSP servlet class file will now end.	Deletion of the JSP servlet class file will now end.
KAPM04300-I	Uninstallation of *aa...aa* has started. *aa...aa*: Product name	Uninstallation of *aa...aa* has started.
KAPM04301-I	[All processing has finished.]	All processing has finished.
KAPM04302-I	Uninstallation was successful.	Uninstallation was successful.
KAPM04303-I	All of the services for *aa...aa* have been deleted. *aa...aa*: Product name	All of the services for *aa...aa* have been deleted.
KAPM04304-I	Restart the machine, and then execute the program again.	Restart the machine, and then execute the program again.
KAPM04305-E	Uninstallation has failed.	Uninstallation has failed. Manually perform the deletion.

Message ID	Message Text	Description
KAPM04306-I	Uninstallation was successful. Restart the machine.	Uninstallation was successful. Restart the machine.
KAPM04307-E	"*aa...aa*" has not stopped. Stop the service, and then try again. *aa...aa*: Service name	*aa...aa* has not stopped. Stop the service, and then try again.
KAPM04311-E	An attempt to acquire an installation path for *aa...aa* has failed. Manually delete the installation directory. *aa...aa*: Product name	An attempt to acquire an installation path for *aa...aa* has failed. Manually delete the installation directory.
KAPM04312-E	An attempt to acquire registry information has failed.	An attempt to acquire registry information has failed.
KAPM04313-E	An attempt to acquire the registry information has failed. Manually delete the registry information.	An attempt to acquire the registry information has failed. Manually delete the registry information.
KAPM04314-E	Some files remained. Manually delete them.	Some files remained. Manually delete them.
KAPM04315-W	All the files for *aa...aa* will now be deleted. Is this OK? *aa...aa*: Product name	All the files for *aa...aa* will now be deleted. Is this OK?
KAPM04316-W	Are you sure you want to delete all of the files?	Are you sure you want to delete all of the files?
KAPM04317-I	Uninstallation was interrupted.	Uninstallation was interrupted.
KAPM04318-I	The OS setting information was successfully deleted.	The OS setting information was successfully deleted.
KAPM04319-E	An attempt to delete the OS setting information has failed.	An attempt to delete the OS setting information has failed. manually perform the deletion.
KAPM04320-W	The resident process "*aa...aa*" has not stopped. *aa...aa*: Process name	The resident process *aa...aa* has not stopped.
KAPM04321-I	The OS settings information will now be deleted to stop the resident process.	The OS settings information will now be deleted to stop the resident process.
KAPM04378-E	DOMException: *aa...aa* *aa...aa*: Exception message	A DOMException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04379-E	RuntimeException occurred. *aa...aa* *aa...aa*: Exception message	A RuntimeException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04380-E	MalformedURLException occurred. *aa...aa* *aa...aa*: Exception message	A MalformedURLException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04381-E	IllegalDataException occurred.	An IllegalDataException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04382-E	IllegalOptionException occurred.	An IllegalOptionException has occurred. Specify a valid option to execute the command.
KAPM04383-E	IOException occurred. *aa...aa* *aa...aa*: Exception message	An IOException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04384-E	SAXException occurred. *aa...aa* *aa...aa*: Exception message	A SAXException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04385-E	HttpProtocolException occurred. *aa...aa* *aa...aa*: Exception message	An HttpProtocolException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04386-E	ServerNotStartException occurred.	A ServerNotStartException has occurred. Confirm that Device Manager, Hitachi Command Suite Common Web Service, and Hitachi Command Suite Single Sign On Service are running, and that the port numbers used by these services are correct.
KAPM04389-E	Exception occurred. *aa...aa* *aa...aa*: Exception message	An Exception has occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04401-I	Initializing servlet.	Servlet initialization has started.
KAPM04405-E	Can't read DTD file.	An attempt to read the DTD file has failed. Windows: Copy the file `hcmdsrepClient.dtd` and `hcmdsrepServer.dtd` from *Hitachi-Command-Suite-Common-Component-installation-folder*`\sample\conf` to *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf` Solaris or Linux: Copy the file `hcmdsrepClient.dtd` and `hcmdsrepServer.dtd` from `/opt/HiCommand/Base/sample/conf` to `/opt/HiCommand/Base/conf`
KAPM04411-I	HTTP:POST from *aa...aa* *aa...aa*: IP address	The IP address of the requesting client.
KAPM04421-E	The error has occurred in Repository process.	The error has occurred in Repository process. For the HiCommand V3.x series, confirm that InterBase or InterClient is running. For the HiCommand V4.x series or later, confirm that HiRDB is running. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04422-E	The illegal data has detected in Server process.	The illegal data has detected during server process. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04423-E	The error has occurred in Server process.	An error occurred during server processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04426-E	The version is incorrect. Version *aa...aa* is required. *aa...aa*: Versions supported by the server	The client version is not 1.0. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04429-E	An error occurred during server processing.	An error occurred during server processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04440-E	Token has timed out.	Token has timed out. Execute `hcmdsrep` again.
KAPM04446-I	Starting information registration...	Repository registration is now starting.
KAPM04455-W	*aa...aa* has already registered in Repository. *aa...aa*: Value specified by the type option and the displayname option	*aa...aa* was already registered in the repository. Specify a different combination of the `type` option and the `displayname` option to execute `hcmdsrep`.
KAPM04463-W	*aa...aa* is not found in Repository. *aa...aa*: Value specified by the type option and the displayname option	*aa...aa* was not found in the repository. Specify registered information to execute `hcmdsrep`.
KAPM04464-E	*aa...aa* is associated with more than one ServiceAccessPoint Instances. *aa...aa*: Value specified by the type option and the displayname option	*aa...aa* is associated with more than one ServiceAccessPoint Instance. The database might be corrupted. detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04465-I	Starting information deletion...	Deletion of product information from the repository is now starting.
KAPM04468-W	*aa...aa* is not found in Repository. *aa...aa*: Value specified by the type option and the displayname option	*aa...aa* was not found in the repository. Specify a valid program type to execute `hcmdsrep`.
KAPM04472-I	Starting information display...	Acquisition of display information from the repository is now starting.
KAPM04475-W	No results were found in Repository.	No results were found in Repository.
KAPM04480-E	Type name is too Long.	Type name is too Long.

Message ID	Message Text	Description
		The database might be corrupted. detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04481-E	Type or URL is not set.	Type or URL is not set. The database might be corrupted. detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04489-E	This version does not support the add option.	This version does not support the `add` option. The `add` option cannot be used.
KAPM04499-E	Detail of exception: *aa...aa* *aa...aa*: Contents of the exception	Detail of exception.
KAPM04510-E	Option is invalid. option= *aa...aa* *aa...aa*: Option	An option is invalid. Specify a valid option.
KAPM04511-E	Option is invalid. option= *aa...aa* *aa...aa*: Option	An option is invalid. Specify a valid option.
KAPM04512-E	Option is invalid. option= *aa...aa* *aa...aa*: Option	An option is invalid. Specify a valid option.
KAPM04513-E	Option value is invalid. option-value=*aa...aa* *aa...aa*: Option value	An option value is invalid. Specify a valid option.
KAPM04514-E	Following Option is not supported: *aa...aa* *aa...aa*: Option	An option is invalid. Specify a valid option.
KAPM04515-E	Option is invalid. option= *aa...aa* *aa...aa*: Option	An option is invalid. Specify a valid option.
KAPM04516-E	Option is invalid. option= *aa...aa* *aa...aa*: Option	An option is invalid. Specify a valid option.
KAPM04517-E	Option is invalid.	Option is invalid. Specify a valid option.
KAPM04518-E	Option is invalid.	Option is invalid. Specify a valid option.

Message ID	Message Text	Description
KAPM04519-E	Option is invalid.	Option is invalid. Specify a valid option.
KAPM04520-E	Option is invalid.	Option is invalid. Specify a valid option.
KAPM04521-E	Option is invalid.	Option is invalid. Specify a valid option.
KAPM04522-E	Invalid Group or Role.	Invalid Group or Role. Specify the name and password of a user who belongs to the GROUP "Global" and ROLE "Admin".
KAPM04523-E	Username or password is invalid.	Username or password is invalid. Specify a user name and password registered in Device Manager.
KAPM04524-E	Failed to connect to HiCommand Suite Single Sign On Service.	Failed to connect to Hitachi Command Suite Single Sign On Service. Confirm that Hitachi Command Suite Single Sign On Service is running.
KAPM04525-E	Failed to connect to HiCommand Device Manager.	Failed to connect to Device Manager. Confirm that the Device Manager service is running.
KAPM04526-E	HSSOException occurred.	An HSSOException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04527-E	FileNotFoundException occurred.	A FileNotFoundException has occurred. Windows: Copy the file `hcmdsrepClient.dtd` and `hcmdsrepServer.dtd` from *Hitachi-Command-Suite-Common-Component-installation-folder*`\sample\conf` to *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf` Solaris or Linux: Copy the file `hcmdsrepClient.dtd` and `hcmdsrepServer.dtd` from `/opt/HiCommand/Base/sample/conf` to `/opt/HiCommand/Base/conf`
KAPM04528-E	IOException occurred.	An IOException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04529-E	Option needs value. option=*aa...aa* *aa...aa*: Option	An option requires a value. Specify a value for the option.
KAPM04553-E	IOException occurred. *aa...aa* *aa...aa*: Exception message	An IOException has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04554-E	Not support tag type detected.	An unsupported tag type was detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04555-E	Value is too long.	The value is too long. Enter a string that does not exceed the character limit.
KAPM04556-E	Failed to connect to HiCommand Suite Common Web Service.	Hitachi Command Suite Common Web Service could not be connected. Confirm that Hitachi Command Suite Common Web Service is running.
KAPM04557-E	A single sign-on server exception has occurred.	A single sign-on server exception has occurred. Confirm that Hitachi Command Suite Server and the database to be used are running. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04558-E	An invalid role was detected.	An invalid role was detected. Specify a user belonging to the group "Admin" or "Peer" and the user's password.
KAPM04560-I	hcmdsrep add has succeeded. *aa...aa* *aa...aa*: Program type	`hcmdsrep` add has succeeded.
KAPM04561-I	hcmdsrep delete has succeeded. *aa...aa* *aa...aa*: Program type	`hcmdsrep` delete has succeeded.
KAPM04562-E	hcmdsrep add has failed. *aa...aa* *aa...aa*: Program type	`hcmdsrep` add has failed. See the message output prior to receiving this message.

Message ID	Message Text	Description
KAPM04563-E	hcmdsrep delete has failed. *aa...aa* *aa...aa*: Program type	`hcmdsrep` delete has failed. See the message output prior to receiving this message.
KAPM04601-E	Command format is invalid.	The command format is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04602-E	Command format is invalid. invalid-param=*aa...aa* *aa...aa*: Invalid parameter	The command format is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04603-E	File is not found. file-name=*aa...aa* *aa...aa*: File name	The file could not be found. Do the following: 1. Make sure that the file exists. 2. Make sure that the executing user can access the file.
KAPM04604-E	Directory is not found. directory-name=*aa...aa* *aa...aa*: Directory name	The directory could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04605-E	Bundle PP Name is invalid. name=*aa...aa* *aa...aa*: Invalid value	The value of the `type` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04606-E	Web Container server is invalid. name=*aa...aa* *aa...aa*: Invalid value	The value of the `server` option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04608-I	Setup completed successfully.	Setup completed successfully.
KAPM04609-E	Failed to create file. file-name=*aa...aa* *aa...aa*: File name	An attempt to create a file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04613-I	Delete completed successfully.	Delete completed successfully.

Message ID	Message Text	Description
KAPM04614-E	Failed to setup server.	An attempt to set up the server has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04615-E	Failed to delete server.	An attempt to delete the server has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04616-E	Server is running. pid=*aa...aa* *aa...aa*: Process ID	The server is running. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04623-E	An option is invalid.	An option is invalid. Specify the options correctly, and then re-execute the command.
KAPM04624-E	The value specified for an option is invalid. (option = *aa...aa*) *aa...aa*: Option name	The value specified for an option is invalid. Revise the values specified for the options, and then re-execute the command.
KAPM04625-E	Creation of the directory failed. (path = *aa...aa*) *aa...aa*: Path	Creation of the directory failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04626-E	Execution of the command failed. (path = *aa...aa*) *aa...aa*: Path	Execution of the command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04627-E	*aa...aa* *aa...aa*: Standard error output	The message content is the standard error output when the command is executed. Take action according to the message that was output either before or after this message.

Message ID	Message Text	Description
KAPM04628-I	*aa...aa* *aa...aa*: Standard output	The message content is the standard output when the command is executed.
KAPM04629-I	The service was successfully registered. (service name = *aa...aa*) *aa...aa*: Service name	The service was successfully registered.
KAPM04630-E	An attempt to upgrade the version of the definition file failed.	An attempt to upgrade the version of the definition file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04631-I	The service was successfully deleted. (service name = *aa...aa*) *aa...aa*: Service name	The service was successfully deleted.
KAPM04632-I	The hcmdsweb command successfully registered an application.	The `hcmdsweb` command successfully registered an application.
KAPM04633-I	The hcmdsweb command successfully deleted an application.	The `hcmdsweb` command successfully deleted an application.
KAPM04634-E	The configuration information is incorrect. (cause = *aa...aa*) *aa...aa*: Cause	The configuration information is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04635-I	The command will now be executed. (command line to be executed = *aa...aa*) *aa...aa*: Command line to be executed	The command will now be executed.
KAPM04636-I	The command successfully executed.	The command successfully executed.
KAPM04637-E	Execution of the command failed. (return code = *aa...aa*) *aa...aa*: Return code	Execution of the command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04638-E	An error occurred during execution of the command.	An error occurred during execution of the command. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04639-I	The server is already set up. (server name = *aa...aa*) *aa...aa*: Server name	The server is already set up.
KAPM04640-I	The server was successfully set up. (server name = *aa...aa*) *aa...aa*: Server name	The server was successfully set up.
KAPM04641-E	Setup of the server failed. (server name = *aa...aa*) *aa...aa*: Server name	Setup of the server failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04642-I	The server was successfully deleted. (server name = *aa...aa*) *aa...aa*: Server name	The server was successfully deleted.
KAPM04643-E	Deletion of the server failed. (server name = *aa...aa*) *aa...aa*: Server name	Deletion of the server failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04644-E	An attempt to acquire the RMI naming port failed. (server name = *aa...aa*) *aa...aa*: Server name	An attempt to acquire the RMI naming port failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04645-E	Resolution of the local host name failed.	Resolution of the local host name failed. Make sure that the environment allows resolution of the local host name.
KAPM04646-I	Information about the local host is as follows: IP address = *aa...aa*, host name = *bb...bb* *aa...aa*: IP address *bb...bb*: Host name	This message contains information about the local host.
KAPM04647-W	Deletion of the web application failed. (server name = *aa...aa*, application name = *bb...bb*) *aa...aa*: Server name *bb...bb*: Application name	Deletion of the web application failed.

Message ID	Message Text	Description
KAPM04648-W	An attempt to stop the server failed. (server name = *aa...aa*) *aa...aa*: Server name	An attempt to stop the server failed.
KAPM04649-W	Deployment of the application failed. (server name = *aa...aa*, application name = *bb...bb*) *aa...aa*: Server name *bb...bb*: Application name	Deployment of the application failed.
KAPM04650-W	Deletion of the server failed. (server name = *aa...aa*) *aa...aa*: Server name	Deletion of the server failed.
KAPM04651-I	*aa...aa* *aa...aa*: Standard error output	This is the standard error output when a command is executed.
KAPM04653-I	The application was successfully deployed. (server name = *aa...aa*, application name = *bb...bb*) *aa...aa*: Server name *bb...bb*: Application name	The application was successfully deployed.
KAPM04654-E	Deployment of the application failed. (server name = *aa...aa*, application name = *bb...bb*) *aa...aa*: Server name *bb...bb*: Application name	Deployment of the application failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04655-E	Deletion of the web application directory failed. (path = *aa...aa*) *aa...aa*: Path	Deletion of the web application directory failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04656-E	The value of the parameter to be set on the server exceeds the maximum. (parameter name = *aa...aa*) *aa...aa*: Parameter name	The value of the parameter to be set on the server exceeds the maximum. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM04657-I	The application was successfully deleted. (server name = *aa...aa*, application name = *bb...bb*) *aa...aa*: Server name *bb...bb*: Application name	The application was successfully deleted.

Message ID	Message Text	Description
KAPM04658-E	Deletion of the web application failed. (server name = *aa...aa*, application name = *bb...bb*) *aa...aa*: Server name *bb...bb*: Application name	Deletion of the web application failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04659-E	Deletion of the file failed. (path = *aa...aa*) *aa...aa*: Path	Deletion of the file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04660-I	The service was successfully registered in Service Control Manager. (service name = *aa...aa*) *aa...aa*: Service name	The service was successfully registered in Service Control Manager.
KAPM04661-E	Registration of the service in Service Control Manager failed. (service name = *aa...aa*) *aa...aa*: Service name	Registration of the service in Service Control Manager failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04662-I	The service was successfully deleted from Service Control Manager. (service name = *aa...aa*) *aa...aa*: Service name	The service was successfully deleted from Service Control Manager.
KAPM04663-E	Deletion of the service from Service Control Manager failed. (service name = *aa...aa*) *aa...aa*: Service name	Deletion of the service from Service Control Manager failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04664-I	The service was successfully updated in Service Control Manager. (service name = *aa...aa*) *aa...aa*: Service name	The service was successfully updated in Service Control Manager.
KAPM04665-E	The update of the service in Service Control Manager failed. (service name = *aa...aa*) *aa...aa*: Service name	The update of the service in Service Control Manager failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04666-E	An attempt to copy a file failed. (copy source = *aa...aa*, copy destination = *bb...bb*) *aa...aa*: Name of the source file *bb...bb*: Name of the destination file	An attempt to copy a file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04668-E	The check of the existence of the service failed. (service name = *aa...aa*) *aa...aa*: Service name	The check of the existence of the service failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04669-E	The check of the service activation status failed. (service name = *aa...aa*) *aa...aa*: Service name	The check of the service activation status failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04670-E	An operation on the management book file failed. (operation = *aa...aa*) *aa...aa*: Operation	An operation on the management book file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04671-E	Renaming of the file failed. (path = *aa...aa*) *aa...aa*: Path	Renaming of the file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04672-E	A directory exists at the destination for which a symbolic link is to be created. (path = *aa...aa*) *aa...aa*: path	A directory exists at the destination for which a symbolic link is to be created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04673-E	Creation of the service control file failed. (path = *aa...aa*) *aa...aa*: Path	Creation of the service control file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04674-E	Creation of the symbolic link failed.	Creation of the symbolic link failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04675-W	A file remains because an attempt to delete it failed. (path = *aa...aa*) *aa...aa*: Path	A file remains because an attempt to delete it failed.
KAPM04676-E	Execution of the insserv command failed. (error code = *aa...aa*) *aa...aa*: Error code	Execution of the `insserv` command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04677-E	Creation of the flag file failed. (path = *aa...aa*) *aa...aa*: Path	Creation of the flag file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04678-E	Deletion of the flag file failed. (path = *aa...aa*) *aa...aa*: Path	Deletion of the flag file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04679-E	An operation on the file failed. (path = *aa...aa*) *aa...aa*: Path	An operation on the file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04680-E	An error occurred during input of a file.	An error occurred during input of a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04681-E	Execution of the chkconfig command failed. (error code = *aa...aa*) *aa...aa*: Error code	Execution of the `chkconfig` command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04682-E	An error occurred in the SAX parser.	An error occurred in the SAX parser. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04683-E	A file exists at the destination for which a symbolic link is to be created. (path = *aa...aa*) *aa...aa*: path	A file exists at the destination for which a symbolic link is to be created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04684-E	An attempt to change the file access permissions failed. (path = *aa...aa*) *aa...aa*: Path	An attempt to change the file access permissions failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04685-E	The service definition file is invalid.	The service definition file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04687-E	A class could not be found. (class name = *aa...aa*) *aa...aa*: Class name	A class could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04688-E	An operation on the service failed. (operation = *aa...aa*, service name = *bb...bb*) *aa...aa*: Operation *bb...bb*: Service name	An operation on the service failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04690-E	No worker information is registered.	No worker information is registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04691-I	A command will now be executed. (command line = *aa...aa*) *aa...aa*: Command line	A command will now be executed.

Message ID	Message Text	Description
KAPM04692-I	The hcmdsweb command finished successfully.	The `hcmdsweb` command finished successfully.
KAPM04693-E	The hcmdsweb command failed.	The `hcmdsweb` command failed. Take action according to the previous message.
KAPM04694-E	A service is starting up. (service name = *aa...aa*) *aa...aa*: Service name	A service is starting up. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04695-E	The application data has already been deleted. (product name = *aa...aa*) *aa...aa*: Type	The application data has already been deleted. Check the registration status of the application.
KAPM04697-E	Parameters required to register the service are not set. (server name = *aa...aa*, service name = *bb...bb*, mode = *cc...cc*, display name = *dd...dd*) *aa...aa*: Server name *bb...bb*: Service name *cc...cc*: Mode *dd...dd*: Display name	Parameters required to register the service are not set. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04699-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04702-E	The option(s) specified is insufficient.	The option(s) specified is insufficient. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04703-E	The option value specified is invalid.	The option value specified is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04705-E	The option "*aa...aa*" is not supported. *aa...aa*: Option	The option "*aa...aa*" is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04706-E	The option "*aa...aa*" appears 2 times or more. *aa...aa*: Option	The option "*aa...aa*" appears 2 times or more. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04707-E	The combination of options is invalid.	The combination of options is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04710-E	An exception occurred.	An exception occurred. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04711-E	The file "*aa...aa*" could not be read. *aa...aa*: File name	The file "*aa...aa*" could not be read. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04713-E	The input XML contains a grammar mistake.	The input XML contains a grammar mistake. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04714-E	Failed to connect to HBase Storage Mgmt Common Service.	Failed to connect to HBase Storage Mgmt Common Service. Confirm that HBase Storage Mgmt Common Service is running.
KAPM04715-E	Failed to connect to HBase Storage Mgmt Web Service.	Failed to connect to HBase Storage Mgmt Web Service. Confirm that the HBase Storage Mgmt Web Service has started. If the HBase Storage Mgmt Web Service has started, confirm that the hostname in `hsso.conf` is correct. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\hsso.conf`

Message ID	Message Text	Description
		Solaris or Linux: `/opt/HiCommand/Base/conf/hsso.conf`
KAPM04716-E	Failed to connect to the host specified in hsso.conf.	Failed to connect to the host specified in `hsso.conf`. Confirm that the host name in `hsso.conf` is correct. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\hsso.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/hsso.conf`
KAPM04717-E	An invalid URL was detected. (*aa...aa*) *aa...aa*: URL	An invalid URL was detected. Confirm that the URL is correct.
KAPM04718-E	The server returned an empty response.	The server returned an empty response. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04719-E	An unsupported element type was detected in the XML.	An unsupported element type was detected in the XML. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04722-W	*aa...aa* error(s) were detected in the response. *aa...aa*: Number of errors	*aa...aa* error(s) were detected in the response. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04723-E	Invalid error information was detected.	Invalid error information was detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04724-E	Invalid server information was detected.	Invalid server information was detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM04800-E	Authentication information is insufficient.	Authentication information is insufficient. Use a SOAP Client that send Authentication information.
KAPM04801-E	Authentication has failed.	Authentication has failed to authenticate the specified user id or password. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04802-E	A single sign-on server communication exception has occurred.	Communication between a single sign-on client and the server has failed. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04803-E	A single sign-on server exception has occurred.	A single sign-on server exception has occurred. See the following message KAPM49001-E for details. For the HiCommand V3.x series, confirm that InterServer/InterBase or Device Manager is running. For the HiCommand V4.x series or later, confirm that HiRDB or Device Manager is running. In all other cases, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM04805-E	An XML parser exception occurred.	An XML parser exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04806-E	The received XML element *aa...aa* contains an unexpected value *cc...cc* for attribute *bb...bb*. The expected value is *dd...dd*. TARGET=*ee...ee* *aa...aa*: XML tag name including unexpected value	The received XML element *aa...aa* contains an unexpected value *cc...cc* for attribute *bb...bb*. The expected value is *dd...dd*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
	bb...bb: Name of attribute unexpected value is set *cc...cc*: Unexpected value of attribute *dd...dd*: Value of attribute the server expects *ee...ee*: Information for processing	who may ask you to collect troubleshooting information.
KAPM04807-E	The XML element *aa...aa* is not allowed as a child of element *bb...bb*. TARGET=*cc...cc* *aa...aa*: Tag name of unexpected element *bb...bb*: Tag name of element including unexpected element *cc...cc*: Information for processing	The XML element *aa...aa* is not allowed as a child of element *bb...bb*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04808-W	The received XML attribute *aa...aa* is not allowed as an attribute of *bb...bb*. TARGET=*cc...cc* *aa...aa*: Unexpected attribute name *bb...bb*: Tag name of element including unexpected attribute *cc...cc*: Information for processing	The XML attribute *aa...aa* is not allowed as an attribute of *bb...bb*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04809-E	Message catalog information is insufficient for the log message. TARGET=*aa...aa* *aa...aa*: Information for processing	Message catalog information is insufficient for the log message. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04810-E	A CIM Repository exception occurred. TARGET=*aa...aa* *aa...aa*: Information for processing	A CIM Repository exception occurred. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04812-E	Failed to connect to HiCommand Device Manager.	Failed to connect to Device Manager. Confirm that the service is running and check the value of `HDVM.host` in the `init.conf` file.
KAPM04813-E	An exception occurred. TARGET=*aa...aa*	An exception occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
	aa...aa: Information for processing	required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04814-W	The CIM datatype *aa...aa* is invalid for *bb...bb*; it will be handled as a string type. *aa...aa*: Specified CIM data type name *bb...bb*: Attribute name Specified CIM data type is specified	The CIM datatype *aa...aa* is invalid for *bb...bb*; it will be handled as a string type. Specify a supported data type.
KAPM04815-E	This operation *aa...aa* is unknown. TARGET= *bb...bb* *aa...aa*: Unexpected operation *bb...bb*: Information for processing	This operation *aa...aa* is unknown. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04816-E	INSTANCENAME cannot be used for the set operation. TARGET=*aa...aa* *aa...aa*: Information for processing	`INSTANCENAME` cannot be used for the `set` operation. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04817-E	The CIM operation *aa...aa* is missing required argument *bb...bb*. TARGET=*cc...cc* *aa...aa*: CIM operation name *bb...bb*: Essential parameter name *cc...cc*: Information for processing	The `CIM` operation *aa...aa* is missing a required argument *bb...bb*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04818-I	Starting CIM access... Method = *aa...aa* *aa...aa*: Name of the method of the repository API	CIM access is starting.
KAPM04819-I	Ending CIM access...	Ending CIM access.
KAPM04820-I	Receiving a request..	Receiving a SOAP request.
KAPM04821-I	Replying to the request....	Replying to the SOAP request.
KAPM04826-I	The instance has been updated. TARGET=*aa...aa* *aa...aa*: Information for processing	The instance has been updated by the `set` operation.
KAPM04827-I	A new instance has been created. TARGET=*aa...aa* *aa...aa*: Information for processing	A new instance has been created by the `set` operation.

Message ID	Message Text	Description
KAPM04828-I	The class is empty. TARGET=*aa...aa* *aa...aa*: Information for processing	The result of the `enumerate` operation shows the class is empty.
KAPM04829-I	The instance could not be found. TARGET=*aa...aa* *aa...aa*: Information for processing	The instance could not be found.
KAPM04830-I	The instance was deleted. TARGET=*aa...aa* *aa...aa*: Information for processing	The instance was deleted.
KAPM04832-E	The input data *aa...aa* is not valid for data type *bb...bb*. TARGET=*cc...cc* *aa...aa*: Input data value *bb...bb*: Input data type *cc...cc*: Information for processing	The input data *aa...aa* is not valid for data type *bb...bb*. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04833-E	The received XML element *bb...bb* is missing a required attribute *aa...aa*. TARGET=*cc...cc* *aa...aa*: Required attribute name *bb...bb*: XML tag name which contains attribute of *aa...aa* *cc...cc*: Information for processing	The received XML element *bb...bb* is missing a required attribute *aa...aa*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04834-E	The received XML element *bb...bb* is missing a required child element *aa...aa*. TARGET=*cc...cc* *aa...aa*: XML tag name of the required element *bb...bb*: XML tag name of the parent element *cc...cc*: Information for processing	The received XML element *bb...bb* is missing a required child element *aa...aa*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04835-W	The received XML element *bb...bb* has no child element *aa...aa*. TARGET=*cc...cc* *aa...aa*: Required tag name *bb...bb*: Tag name of parent element *cc...cc*: Information for processing	The received XML element *bb...bb* has no child element *aa...aa*. Specify the *bb...bb* element for the *aa...aa* element in the XML file.

Message ID	Message Text	Description
KAPM04836-E	The received XML element *aa...aa* with attribute *bb...bb=cc...cc* is duplicated. TARGET=*dd...dd* *aa...aa*: Duplicated tag name of XML element *bb...bb*: Attribute name *cc...cc*: Attribute value *dd...dd*: Information for processing	The received XML element *aa...aa* with attribute *bb...bb=cc...cc* is duplicated. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04837-E	The XML element *aa...aa* as child of element *bb...bb* is duplicated. TARGET=*cc...cc* *aa...aa*: Duplicated tag name of XML element *bb...bb*: Tag name of parent element *cc...cc*: Information for processing	The XML element *aa...aa* as child of element *bb...bb* is duplicated. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04838-I	The class has been created. TARGET=*aa...aa* *aa...aa*: Information for processing	The class has been created.
KAPM04839-I	The class already exist. TARGET=*aa...aa* *aa...aa*: Information for processing	The class already exists.
KAPM04840-I	The class could not be found. TARGET=*aa...aa* *aa...aa*: Information for processing	The class could not be found.
KAPM04841-I	The class was deleted. TARGET=*aa...aa* *aa...aa*: Information for processing	The class was deleted.
KAPM04842-E	The class *aa...aa* of the instance is invalid. TARGET=*aa...aa* *aa...aa*: Information for processing	The class *aa...aa* of the instance is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04843-E	An attempt to decrypt authentication data failed.	An attempt to decrypt authentication data failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer

Message ID	Message Text	Description
		support center, who might ask you to collect troubleshooting information.
KAPM04844-E	Login from anything other than a local host is not possible.	Login from anything other than a local host is not possible. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM04845-E	The decrypted authentication data is invalid.	The decrypted authentication data is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM04901-E	The parameter is invalid.	The parameter is invalid. Set the valid parameter.
KAPM04902-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04905-E	An attempt to open the file failed. Path = *aa...aa* *aa...aa*: File path name	An attempt to open the file failed. Confirm that a file exists in the specified location or does not in use.
KAPM04906-I	The alias for *aa...aa* was set. *aa...aa*: Program product name	The alias for *aa...aa* was set.
KAPM04907-I	The alias for *aa...aa* was overwritten. *aa...aa*: Program product name	The alias for *aa...aa* was overwritten.
KAPM04908-I	The alias for *aa...aa* was deleted. *aa...aa*: Program product name	The alias for *aa...aa* was deleted.
KAPM04909-E	The alias for *aa...aa* does not exist. *aa...aa*: Program product name	The alias for *aa...aa* does not exist.
KAPM04910-W	The alias for *aa...aa* does not exist. *aa...aa*: Program product name	The alias for *aa...aa* does not exist.
KAPM04933-E	An option is invalid.	An option is invalid.
KAPM04950-I	PrintWriter was created. path = "*aa...aa*", file = "*bb...bb*" *aa...aa*: Path of file *bb...bb*	`PrintWriter` was created.

Message ID	Message Text	Description
	bb...bb: File name	
KAPM04951-I	BufferedReader was created. path = "*aa...aa*", file = "*bb...bb*" *aa...aa*: Path of file *bb...bb* *bb...bb*: File name	`BufferedReader` was created.
KAPM04952-E	The file was not found. path = "*aa...aa*", file = "*bb...bb*" *aa...aa*: Path of file *bb...bb* *bb...bb*: File name	The file was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04953-I	PrintWriter has closed.	`PrintWriter` has closed.
KAPM04954-W	PrintWriter cannot be closed. PrintWriter is null.	`PrintWriter` cannot be closed. `PrintWriter` is null.
KAPM04955-I	BufferedReader has closed.	`BufferedReader` has closed.
KAPM04956-W	BufferedReader cannot be closed. BufferedReader is null.	`BufferedReader` cannot be closed. `BufferedReader` is null.
KAPM04957-E	The specified application command is not registered. application name = "*aa...aa*" *aa...aa*: Specified application name	The specified application command is not registered.
KAPM04958-E	The specified application command is already registered. application name = "*aa...aa*" *aa...aa*: Specified application name	The specified application command is already registered.
KAPM04959-I	*aa...aa* has been added to the file. *aa...aa*: Application name	*aa...aa* has been added to the file.
KAPM04960-I	*aa...aa* has been removed from the file. *aa...aa*: Application name	*aa...aa* has been removed from the file.
KAPM04970-I	Processing ended normally.	Processing ended normally.
KAPM04971-E	The specified command is already registered.	The specified command is already registered.
KAPM04972-E	The specified command is not registered.	The specified command is not registered.
KAPM04973-E	An option is invalid.	An option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM04974-E	An unexpected error occurred.	An unexpected error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04975-E	The type of OS is unknown.	The type of OS is unknown. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04976-E	IllegalOptionException occurred. Description = "*aa...aa*" *aa...aa*: Error details	IllegalOptionException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM04977-E	InconsistencyException occurred. Description = "*aa...aa*" *aa...aa*: Error details	InconsistencyException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05001-I	hcmds64srv was entered.	The `hcmds64srv` command was entered.
KAPM05002-E	Command format is invalid.	The option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05003-E	Option is invalid. option=*aa...aa* *aa...aa*: Invalid option	The option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05004-E	Server name is invalid. server-name=*aa...aa* *aa...aa*: Server name	The server name is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05005-E	The Win32API has failed. API name=*aa...aa*, error code=*bb...bb*	An error has occurred in WIN32API.

Message ID	Message Text	Description
	aa...aa: Name of the WIN32API *bb...bb*: Results of GetLastError()	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05006-E	Failed to start service. service-name=*aa...aa* *aa...aa*: Service name	An attempt to start the service has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05007-I	Already started service. service-name=*aa...aa* *aa...aa*: Service name	The service is already running.
KAPM05008-E	Failed to stop service. service-name=*aa...aa* *aa...aa*: Service name	An attempt to stop the service has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05009-I	Already stopped service. service-name=*aa...aa* *aa...aa*: Service name	The service is already stopped.
KAPM05010-E	Failed to query service. service-name=*aa...aa* *aa...aa*: Service name	An attempt to query the service status has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05011-E	Failed to control service.	An attempt to control the service has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05012-E	Failed to access registry. maintenance-code=*aa...aa* *aa...aa*: Maintenance code	An attempt to access the registry has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05013-W	Failed to read init.conf. maintenance-code=*aa...aa* *aa...aa*: Maintenance code	An attempt to read `init.conf` has failed.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05014-W	Failed to initialize trace. api-name=*aa...aa*,reason=*bb...bb* *aa...aa*: Log trace API name *bb...bb*: Maintenance code	An attempt to initialize the log has failed. Confirm that the `hcmds64srv` command is not being executed at the same time. If this problem occurs frequently, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05015-E	An internal function has failed. Function name=*aa...aa*, error code=*bb...bb* *aa...aa*: Internal function name *bb...bb*: Maintenance code	An internal function has failed. Take action according to the proceeding message.
KAPM05016-I	Succeeded in starting of service. service-name=*aa...aa* *aa...aa*: Service name	A request to start the service was accepted.
KAPM05017-I	Succeeded in stopping of service. service-name=*aa...aa* *aa...aa*: Service name	A request to stop the service was accepted.
KAPM05018-E	A system call has failed. API name=*aa...aa*, error code=*bb...bb* *aa...aa*: System call name *bb...bb*: Maintenance code	A system call has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05019-W	Definition is invalid. name=*aa...aa* *aa...aa*: Definition value name	The definition is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05020-E	Failed to open file. maintenance-code=*aa...aa* *aa...aa*: Maintenance code	An attempt to open the file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05021-E	Service does not exist.	The service does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM05022-W	Service does not exist.	The service does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05023-E	Could not find executable file. file-name=*aa...aa* *aa...aa*: Executable file	Could not find executable file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05024-W	Failed to initialize trace. Reason=*aa...aa* *aa...aa*: Reason	Failed to initialize trace. Processing is continued without a trace.
KAPM05025-I	The start type has been successfully changed. service-name = *aa...aa* *aa...aa*: Service name	The start type has been successfully changed.
KAPM05026-E	An attempt to change the start type has failed. service-name = *aa...aa* *aa...aa*: Service name	An attempt to change the start type has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05027-E	An attempt to start the DBMS service has failed.	An attempt to start the DBMS service has failed. Refer to details to the `hcmds64dbsrv` log.
KAPM05028-E	An attempt to stop the DBMS service has failed.	An attempt to stop the DBMS service has failed. Refer to details to the `hcmds64dbsrv` log.
KAPM05029-E	An attempt to acquire the status of the DBMS service has failed.	An attempt to acquire the status of the DBMS service has failed. Refer to details to the `hcmds64dbsrv` log.
KAPM05030-E	An attempt to query the status of a service has failed. (service name = *aa...aa*) *aa...aa*: Service name	An attempt to query the status of a service failed. Take action according to the message output before or after this message.
KAPM05035-E	An attempt to execute the command *aa...aa* has failed. *aa...aa*: Executable file name	An attempt to execute a command has failed.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05036-I	The command *aa...aa* was executed successfully. (return code = *bb...bb*) *aa...aa*: Executable file name, *bb...bb*: Return code	A command was executed successfully.
KAPM05037-E	An attempt to query a service has failed.	An attempt to query a service has failed. Take action according to the message output before or after this message.
KAPM05038-W	The error has occurred in *aa...aa* command. code=*bb...bb* *aa...aa*: Command *bb...bb*: Error code	The error has occurred in *aa...aa* command.
KAPM05044-E	This command cannot be executed now because of internal processing. Wait a while, and then try again.	This command cannot be executed now because of internal processing. Wait a while, and then try again. Wait a while, and then try again.
KAPM05045-E	The execution of the command will be stopped because internal processing failed.	The execution of the command will be stopped because internal processing failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM05046-E	An error occurred in an API. (API name = *aa...aa*, error code = *bb...bb*) *aa...aa*: API name *bb...bb*: Error code	An error occurred in an API. Take action according to the messages that appear.
KAPM05050-E	Failed to execute the command that stops services. (command name = *aa...aa*, return code = *bb...bb*, server name = *cc...cc*) *aa...aa*: command name *bb...bb*: return code *bb...bb*: server name	Execution of the command that stops services failed. See the message that is output after this message.
KAPM05052-I	The command that stops services was executed successfully. (command name = *aa...aa*, server name = *bb...bb*)	The command that stops services was executed successfully.

Message ID	Message Text	Description
	aa...aa: command name *bb...bb*: server name	
KAPM05053-I	hcmds64srv [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: command line argument *bb...bb*: command line argument	The options specified for the command are displayed.
KAPM05055-W	The path is not a symbolic link. (path = *aa...aa*) *aa...aa*: Path	The path is not a symbolic link. The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM05056-E	The directory could not be found. (path = *aa...aa*) *aa...aa*: Path	The directory could not be found. The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM05057-E	A memory-allocation error occurred.	A memory-allocation error occurred. Try the operation again. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM05201-E	The memory is insufficient. (*aa...aa*) *aa...aa*: Variable name	The memory is insufficient. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05202-E	The number of options is insufficient.	The number of options is insufficient. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05203-E	There is no value following the option.	An option has been specified without a value. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05204-E	Option is invalid.	An option contains an error.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05205-E	There is only a value though there is no option.	Only a value is specified for arguments, and not the corresponding option. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05206-E	The error occurred in dispatcher.	An error occurred in the dispatcher. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05207-E	The error occurred in the registration of the service controller.	An error occurred in the registration of the service controller. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05208-E	The error occurred in the HandlerRoutine.	An error occurred during list addition of the process's handler function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05209-I	The service_stop_thread is started.	A service stop request thread was opened. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05210-E	The error occurred in the service_stop_thread.	An error occurred in the service stop request thread. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05211-E	The error occurred in the Report Status.	An attempt to report progress to the service control manager has failed.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05212-E	The error occurred in create JavaVM.	An error occurred while generating the JavaVM. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05213-E	Failed to set processing of JavaVM.	An attempt to set up the JavaVM has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05214-I	*aa...aa* started. *aa...aa*: Service name	The service has started.
KAPM05215-I	*aa...aa* stopped. *aa...aa*: Service name	The service has stopped.
KAPM05216-E	The error occurred in the start of service.	An attempt to start the service failed or the service stopped abnormally. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05217-E	Failed to get to the option definition file value.	An attempt to get the value of the option definition file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05218-E	Failed to change the current directory.	An attempt to change the current directory has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05219-E	Failed to create JavaVM.	An attempt to create the JavaVM has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM05220-E	Failed to connect to JavaVM.	An attempt to connect to the JavaVM has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05221-E	The class is not found.	The class was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05222-E	The method is not found.	The method was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05223-E	The error occurred in the Getinstpath.(*aa...aa*) *aa...aa*: Registry key or registry path	An error occurred while acquiring a key or path from the registry. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05224-E	The error occurred in the LoadLibrary.	An attempt to load the DLL has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05225-E	The error occurred in the GetProcAddress.	An attempt to get the function address in the DLL has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05226-E	The error occurred in the AllocConsole.	An error occurred while allocating a new console to a process. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05227-E	The error occurred in the DeleteFile.	An error occurred while deleting a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05228-E	The error occurred in the GenerateConsoleCtrlEvent.	An error occurred while sending the specified signal to the console process group. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05229-E	An attempt to execute the command to start the Web container server has failed.	An attempt to execute the command to start the Web container server has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05230-E	An attempt to execute the command to stop the Web container server has failed.	An attempt to execute the command to stop the Web container server has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05231-E	An attempt to execute the thread-dump acquisition command has failed.	An attempt to execute the thread-dump acquisition command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05232-E	The service stopped abnormally. (service name = *aa...aa*) *aa...aa*: Service name	The service stopped abnormally. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05234-E	Execution of the command to start the J2EE server failed.	Execution of the command to start the J2EE server failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05235-E	Execution of the command to stop the J2EE server failed.	Execution of the command to stop the J2EE server failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05236-E	An attempt to delete a file failed. (file path = *aa...aa*, error code = *bb...bb*) *aa...aa*: File path *bb...bb*: Error code	An attempt to delete a file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05237-E	An error occurred in an API function. (API function name = *aa...aa*, error code = *bb...bb*) *aa...aa*: API function name *bb...bb*: Error code	An error occurred in an API function. If this problem occurs frequently, contact customer support, who might ask you to collect troubleshooting information.
KAPM05250-I	Registration of the information-search user has finished.	Registration of the information-search user has finished.
KAPM05251-I	Deletion of the information-search user has finished.	Deletion of the information-search user has finished.
KAPM05252-E	An option is invalid.	An option specified for the command is invalid. Specify a correct option.
KAPM05253-E	The specified option contains an invalid character.	The specified option parameter contains an invalid character. Specify valid characters for the option parameter.
KAPM05255-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05256-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05257-E	Log initialization has failed.	Log initialization has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05258-I	The command has started.	The command has started.
KAPM05259-I	The command has ended.	The command has ended.
KAPM05263-W	No registered information exists.	No registered information exists. Register user information by using the `set` option, and then re-execute the command. If the same message is output again, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05264-E	The file format is invalid.	The file format is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05265-E	An error occurred during file I/O processing.	An error occurred during file I/O processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05266-W	A server has not been registered.	No information was displayed when the `list` option was specified. Register user information by using the `set` option, and then re-execute the command. If the same message is output again, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05280-I	Registration of a secret has succeeded.	Registration of a secret has succeeded.
KAPM05281-I	Deletion of a secret has succeeded.	Deletion of a secret has succeeded.
KAPM05282-E	An option is invalid.	An option is invalid. Specify a valid option.
KAPM05285-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05286-E	A fatal error occurred.	A fatal error occurred.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05288-I	The command has started.	The command `hcmds64radiussecret` has started.
KAPM05289-I	The command has finished.	The command `hcmds64radiussecret` has finished.
KAPM05293-W	No registered information exists.	No registered information exists. Register a secret by using the `set` option, and then re-execute the command. If the same message is output again, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05294-E	The file format is invalid.	The file format is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05295-E	An error occurred during file I/O processing.	An error occurred during file I/O processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05296-W	A server has not been registered.	No information was displayed when the `list` option was specified. Register a secret by using the `set` option, and then re-execute the command. If the same message is output again, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05301-E	The license has expired.	The license has expired. Use a license key that has not expired.
KAPM05302-E	The system environment is incorrect.	The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05303-E	The entered license key is invalid.	The entered license key is invalid. Use a regular license key published by the license server.
KAPM05304-I	Processing ended normally.	Processing ended normally.
KAPM05308-I	The acquiring of *aa...aa* logs started. *aa...aa*: Application name	The acquiring of *aa...aa* logs started.
KAPM05309-I	Backup of *aa...aa* started. *aa...aa*: Application name	Backup of *aa...aa* started.
KAPM05310-E	The acquiring of *aa...aa* logs abnormally ended. *aa...aa*: Application name	The acquiring of *aa...aa* logs abnormally ended. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05311-I	The acquiring of *aa...aa* logs successfully ended. *aa...aa*: Application name	The acquiring of *aa...aa* logs successfully ended.
KAPM05312-E	Backup of *aa...aa* abnormally ended. *aa...aa*: Application name	Backup of *aa...aa* abnormally ended. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05313-I	Backup of *aa...aa* successfully ended. *aa...aa*: Application name	Backup of *aa...aa* successfully ended.
KAPM05314-E	The specified directory is not empty.	The specified directory is not empty. Specify an empty directory.
KAPM05315-E	An option is invalid.	An option is invalid. Check the options of the command.
KAPM05316-E	The specified directory name *aa...aa* is invalid. *aa...aa*: Invalid directory name	The specified directory name *aa...aa* is invalid. Do the following: 1. Make sure the path is correct. 2. Check your permissions up to the specified directory.
KAPM05317-E	*aa...aa* is not registered. *bb...bb* is available. *aa...aa*: Program product name specified in option *bb...bb*: Program product name registered in the command	*aa...aa* is not registered. *bb...bb* is available. Specify the registered program product name.

Message ID	Message Text	Description
KAPM05318-I	The acquiring of logs successfully ended. *aa...aa* *aa...aa*: Program product name	The acquiring of *aa...aa* logs successfully ended.
KAPM05319-E	The acquiring of logs abnormally ended. *aa...aa* *aa...aa*: Program product name	The acquiring of *aa...aa* logs abnormally ended. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05320-I	Backup successfully ended. (*aa...aa*) *aa...aa*: Program product name	Backup successfully ended.
KAPM05321-E	Backup abnormally ended. (*aa...aa*) *aa...aa*: Program product name	Backup abnormally ended. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05322-E	*aa...aa* does not exist. *aa...aa*: File name	*aa...aa* does not exist. Confirm that the file exists in the specified directory.
KAPM05323-I	Information for restore: To restore the HiCommand shared repository, specify the "/enforce" option. Before restoring, you have to stop the services "InterServer" and "InterBase Server". Note that the HiCommand shared repository is overwritten with old backup data after the restore.	Information for restore: To restore the Hitachi Command Suite shared repository, specify the "`/enforce`" option. Before restoring, you have to stop the services "InterServer" and "InterBase Server". Note that the Hitachi Command Suite shared repository is overwritten with old backup data after the restore.
KAPM05324-E	The privilege is invalid.	The privilege is invalid. Execute as a user with execution privilege.
KAPM05325-E	An attempt to execute hcmdsras failed.	An attempt to execute `hcmdsras` failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05326-E	An attempt to execute jar has failed.	An attempt to execute jar has failed. Confirm that the path name is included in the file name specified for the `arc` option. If the problem cannot be resolved, detailed investigation is

Message ID	Message Text	Description
		required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05327-E	An attempt to acquire the installed product list has failed.	The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM05328-I	The hcmdsbasebackup processing has succeeded.	The `hcmdsbasebackup` processing has succeeded.
KAPM05329-E	The hcmdsbasebackup processing has failed.	The `hcmdsbasebackup` processing has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05330-E	An option is invalid.	An option is invalid. Check the options of the command.
KAPM05331-E	The license has expired.	The license has expired. Use a license key that has not expired.
KAPM05332-E	The system environment is incorrect.	The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05333-E	The entered license key is invalid.	The entered license key is invalid. Use a regular license key published by the license server.
KAPM05334-I	Processing ended normally.	Processing ended normally.
KAPM05335-E	The license key file that was entered could not be found.	The license key file that was entered could not be found. Confirm that the specified path is valid.
KAPM05336-E	The license key file that was entered is invalid.	The license key file that was entered is invalid. The license key file that was input may be damaged. Contact the customer support and acquire a new license key file.
KAPM05337-I	The license key that should be entered does not exist in the license key file.	The license key that should be entered does not exist in the license key file.

Message ID	Message Text	Description
		Confirm that the specified license key file is correct.
KAPM05390-I	The hcmdsras processing has succeeded.	The `hcmdsras` processing has succeeded.
KAPM05392-W	An attempt to get the System Log failed.	An attempt to get the System Log failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05393-W	An attempt to get the Application Log failed.	An attempt to get the Application Log failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM05394-W	An attempt to get the Syslog Daemon configuration file failed.	An attempt to get the Syslog Daemon configuration file failed.
KAPM05402-E	The option(s) specified is insufficient.	The option(s) specified is insufficient. Specify all the necessary options.
KAPM05403-E	The option value specified is invalid.	The option value specified is invalid. Specify the option and specify the necessary proceeding values (user name and password, etc.).
KAPM05405-E	The option "*aa...aa*" is not supported. *aa...aa*: Option	The option "*aa...aa*" is not supported. Do not specify an unsupported option.
KAPM05406-E	The option "*aa...aa*" appears 2 times or more. *aa...aa*: Option	The option "*aa...aa*" appears 2 times or more. Check the specification of the option.
KAPM05407-E	The combination of options is invalid.	The combination of options is invalid. Confirm that no option that should be specified exclusively is specified at the same time.
KAPM05410-E	An exception occurred.	An exception occurred. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05411-E	The file "*aa...aa*" could not be read. *aa...aa*: File name	The file "*aa...aa*" could not be read. Do the following: 1. Make sure that the directory exists. 2. Make sure that the executing user can access the file. 3. Make sure that you can access the file.
KAPM05413-E	The input XML contains a grammar mistake.	The input XML contains a grammar mistake. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05414-E	A fatal structure error was detected in the input XML.	A fatal structure error was detected in the input XML. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05415-E	An error occurred during communication processing. (Detail: *aa...aa*) *aa...aa*: Error details	An error occurred during communication processing. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05417-E	An invalid URL was detected. (*aa...aa*) *aa...aa*: URL	An invalid URL was detected. Check the specification of the URL.
KAPM05418-E	The server returned an empty response.	The server returned an empty response. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05419-E	An unsupported element type was detected in the XML.	An unsupported element type was detected in the XML. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05422-W	*aa...aa* error(s) were detected in the response. *aa...aa*: Number of errors	*aa...aa* error(s) were detected in the response. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05423-E	Invalid error information was detected.	Invalid error information was detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05424-E	Invalid server information was detected.	Invalid server information was detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05425-E	The input file contains a grammar mistake.	The input file contains a grammar mistake. Correct the syntax error in the specified definition file.
KAPM05426-E	An error occurred when inputting the file.	An error occurred when inputting the file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05427-E	The specified value is invalid. value = *aa...aa* *aa...aa*: Value	The specified value is invalid. Confirm the value in the user definition application file.
KAPM05432-E	Link registration processing has failed. Processing is interrupted.	Link registration processing has failed. Processing is interrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05433-E	The acquisition as a result of registration processing has failed.	The acquisition as a result of registration processing has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05434-E	I/O of XML has failed.	I/O of XML has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05435-E	An error occurred in the SAX parser.	An error occurred in the SAX parser. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05436-E	An attempt to analyze the execution result has failed.	An attempt to analyze the execution result has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05437-E	The execution result of the XREP processing was null.	The execution result of the XREP processing was null. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05438-W	The "*aa...aa*" xrep processing result is *bb...bb*. *aa...aa*: Result of hcmdsxrep command *bb...bb*: Result of the command	The "*aa...aa*" xrep processing result is *bb...bb*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05439-E	An attempt to register a link has failed.	An attempt to register a link has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05440-E	An attempt to delete a link has failed.	An attempt to delete a link has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05441-W	An attempt to check the result has failed.	An attempt to check the result has failed.

Message ID	Message Text	Description
		Confirm the value in the user definition application file.
KAPM05442-E	The registered information was not found.	The registered information was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05443-E	The table that registers a link does not exist.	The table that registers a link does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05444-E	An error occurred within the server.	An error occurred within the server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05445-E	An unexpected error occurred within the server.	An unexpected error occurred within the server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05446-I	Processing ended normally.	Processing ended normally.
KAPM05501-I	Backing up the database to file *aa...aa*... *aa...aa*: File name	Backing up the database to file *aa...aa*.
KAPM05502-I	INTERBASE_PID=*aa...aa*. *aa...aa*: InterBase process ID	INTERBASE_PID=*aa...aa*.
KAPM05503-W	The file *aa...aa* will be overwritten. Is this OK? *aa...aa*: File name	The file *aa...aa* will be overwritten. Is this OK? The continuation will overwrite the *aa...aa*.
KAPM05504-W	The HiCommand Server database will be overwritten by this procedure. Is this OK?	The Hitachi Command Suite Common Component database will be overwritten by this procedure. Is this OK? The continuation will overwrite the Hitachi Command Suite Common Component database.
KAPM05505-E	The *aa...aa* file does not exist or is not readable. The	The *aa...aa* file does not exist or is not readable. The Hitachi Command Suite

Message ID	Message Text	Description
	HiCommand Server database was not altered. *aa...aa*: File name	Common Component database was not altered. Confirm that *aa...aa* file exists. Alternatively, check the permission of the *aa...aa* file.
KAPM05506-E	The *aa...aa* file does not exist or is not readable.The HiCommand Server database was not altered. *aa...aa*: File name	The *aa...aa* file does not exist or is not readable. The Hitachi Command Suite Common Component database was not altered. Confirm that the *aa...aa* file exists.
KAPM05507-I	Restoring the database from the *aa...aa* file... *aa...aa*: File name	Restoring the database from the *aa...aa* file.
KAPM05508-E	The path of the specified database file is invalid.	The path of the specified database file is invalid. Check the value of `DATABASE.path` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM05509-E	The specified database file was not found.	The specified database file was not found. Check the value of `DATABASE.path` in the configuration file. Windows: *Hitachi-Command-Suite-Common-Component-installation-folder*`\conf\user.conf` Solaris or Linux: `/opt/HiCommand/Base/conf/user.conf`
KAPM05510-E	An attempt to read to a file has failed. file name=*aa...aa*. *aa...aa*: File name	An attempt to read to a file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05511-E	An unexpected error occurred.	An unexpected error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05512-I	Backup has succeeded.	Backup has succeeded.
KAPM05513-E	An attempt to back up has failed.	An attempt to back up has failed.

Message ID	Message Text	Description
		Take action according to the message output in the window after command execution.
KAPM05514-I	Restoration has succeeded.	Restoration has succeeded.
KAPM05515-E	An attempt to restore has failed.	An attempt to restore has failed. Take action according to the message output in the window after command execution.
KAPM05516-E	The setup of the specified database is invalid.	The setup of the specified database is invalid. Make sure the setting for the key that the file DATABASE starts is correct. Windows: Hitachi-Command-Suite-Common-Component-installation-folder\conf\user.conf Solaris: /opt/HiCommand/Base/conf/user.conf
KAPM05530-I	Backup of the database has started.	Backup of the database has started.
KAPM05531-I	Backup of the database has ended.	Backup of the database has ended.
KAPM05532-I	Restoration of the database has started.	Restoration of the database has started.
KAPM05533-I	Restoration of the database has ended.	Restoration of the database has ended.
KAPM05534-I	The database will now be backed up to file *aa...aa*. *aa...aa*: Backup file	The database will now be backed up to file *aa...aa*.
KAPM05535-I	The system area has been damaged. Do you want to recover the system? [y or n]	The system area has been damaged. Please select whether to restore this system. Enter y (for yes) or n (for do not).
KAPM05536-I	Please press the Enter key.	Please press the Enter key.
KAPM05537-I	Stop the HiRDB service before restoring the database.	Stop the HiRDB service before restoring the database.
KAPM05538-I	Re-creation of the system area has started.	Re-creation of the system area has started.
KAPM05539-I	Re-creation of the system area has ended.	Re-creation of the system area has ended.
KAPM05540-I	Re-creation of the RD area has started.	Re-creation of the RD area has started.
KAPM05541-I	Re-creation of the RD area has ended.	Re-creation of the RD area has ended.

Message ID	Message Text	Description
KAPM05544-E	An attempt to back up the database has failed.	An attempt to back up the database has failed. Confirm that there are no errors in the directory specification. If there are no errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05545-E	An attempt to restore the database has failed.	An attempt to restore the database has failed. Confirm that there are no errors in the directory specification. If there are no errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05546-W	The backed-up version is different from the version in the current environment.	The backed-up version is different from the version in the current environment.
KAPM05547-I	Do you want to continue and restore the database?	Do you want to continue and restore the database?
KAPM05548-I	Restoration of the database will continue.	Restoration of the database will continue.
KAPM05550-E	The option(s) specified is invalid.	The option(s) specified is invalid. Specify the option correctly.
KAPM05551-E	An attempt to execute the *aa...aa* command has failed. *aa...aa*: Command name	An attempt to execute the *aa...aa* command has failed. Confirm that there are no syntax errors in the command specification. If there are no syntax errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05552-E	HiRDB has not been installed.	HiRDB has not been installed. Make sure that HiRDB has been installed.
KAPM05553-E	The RD area of the specified program type could not be found.	The RD area of the specified program type could not be found. Make sure that HiRDB has been set up.
KAPM05554-E	The file *aa...aa* could not be deleted. *aa...aa*: File name	The file *aa...aa* could not be deleted.

Message ID	Message Text	Description
KAPM05555-E	An attempt to set the environment variable has failed.	An attempt to set the environment variable has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05556-E	An attempt to create the backup file has failed.	An attempt to create the backup file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05557-E	An I/O error occurred.	An I/O error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05558-E	An attempt to open the archive file has failed.	An attempt to open the archive file has failed. Confirm that there are no errors in the file specification. If there are no errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05559-E	The backup file format is invalid.	The backup file format is invalid. Specify a valid backup file.
KAPM05560-E	The database location of the specified program type has not been created.	The database location of the specified program type has not been created. Make sure that the specified application is installed.
KAPM05561-I	The database was backed up successfully.	The database was backed up successfully.
KAPM05562-E	An attempt to back up the database has failed.	An attempt to back up the database has failed.
KAPM05563-I	The database was completely restored.	The database was completely restored.
KAPM05564-E	An attempt to completely restore the database has failed.	An attempt to completely restore the database has failed.
KAPM05565-I	The database was partially restored.	The database was partially restored.
KAPM05566-E	An attempt to partially restore the database has failed.	An attempt to partially restore the database has failed.

Message ID	Message Text	Description
KAPM05567-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05568-E	*aa...aa*:*bb...bb* *aa...aa*: Command name *bb...bb*: Message	Message for debugging.
KAPM05569-E	*aa...aa* *aa...aa*: Command name	Message for debugging.
KAPM05570-I	Processing ended normally.	Processing ended normally.
KAPM05573-E	The option(s) specified is invalid.	The option(s) specified is invalid. Specify the option correctly.
KAPM05574-E	An attempt to execute the *aa...aa* command has failed. *aa...aa*: Command name	An attempt to execute the *aa...aa* command has failed. Confirm that there are no syntax errors in the command specification. If there are no syntax errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05575-E	HiRDB has not been installed.	HiRDB has not been installed. Confirm that HiRDB has already installed.
KAPM05576-E	The RD area of the specified program type could not be found.	The RD area of the specified program type could not be found. Confirm that HiRDB has already set up.
KAPM05577-E	An attempt to clear an HiRDB environment variable has failed.	An attempt to clear an HiRDB environment variable has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05578-E	The database location of the specified program type has not been created.	The database location of the specified program type has not been created. Make sure that the specified application is installed.
KAPM05579-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05580-I	Re-creation of the database has started.	Re-creation of the database has started.
KAPM05581-I	Re-creation of the database has ended.	Re-creation of the database has ended.
KAPM05582-I	Unsetup of *aa...aa* has started. *aa...aa*: Product name	Unsetup of *aa...aa* has started.
KAPM05583-I	Unsetup of *aa...aa* has ended. *aa...aa*: Product name	Unsetup of *aa...aa* has ended.
KAPM05584-I	Setup of *aa...aa* has started. *aa...aa*: Product name	Setup of *aa...aa* has started.
KAPM05585-I	Setup of *aa...aa* has ended. *aa...aa*: Product name	Setup of *aa...aa* has ended.
KAPM05586-I	Execution of the *aa...aa* command has started. *aa...aa*: Command name	Execution of the *aa...aa* command has started.
KAPM05587-I	Execution of the *aa...aa* command ended normally. *aa...aa*: Command name	Execution of the *aa...aa* command ended normally.
KAPM05588-I	Backup of the parameter definition file has ended.	Backup of the parameter definition file has ended.
KAPM05589-I	The backup file of the parameter definition file has been deleted.	The backup file of the parameter definition file has been deleted.
KAPM05590-E	The option(s) specified is invalid.	The option(s) specified is invalid. Specify the option correctly.
KAPM05591-E	An attempt to execute the *aa...aa* command has failed. *aa...aa*: Command name	An attempt to execute the *aa...aa* command has failed. Confirm that there are no syntax errors in the command specification. If there are no syntax errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05592-E	HiRDB has not been set up.	HiRDB has not been set up. Confirm that HiRDB has already set up.
KAPM05593-E	The *aa...aa* file was not found. *aa...aa*: File name	The *aa...aa* file was not found. Confirm that HiRDB is set up. If the problem cannot be resolved, detailed

Message ID	Message Text	Description
		investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05594-E	The *aa...aa* file could not be read. *aa...aa*: File name	The *aa...aa* file could not be read. Confirm that HiRDB is set up. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05595-E	The *aa...aa* folder could not be deleted. *aa...aa*: Folder name	The *aa...aa* folder could not be deleted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05596-E	An SQL exception occurred.	An SQL exception occurred. Confirm that HiRDB is running. If HiRDB is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05597-E	An attempt to clear the HiRDB system environment variables has failed.	An attempt to clear the HiRDB system environment variables has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05598-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05599-E	*aa...aa*:*bb...bb* *aa...aa*: Command name *bb...bb*: Message	*aa...aa* : Command name *bb...bb* : Message To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05601-I	The acquisition of HiRDB detail logs has started.	The acquisition of HiRDB detail logs has started.

Message ID	Message Text	Description
KAPM05602-I	The acquisition of HiRDB detail logs was successful.	The acquisition of HiRDB detail logs was successful.
KAPM05603-I	The acquisition of the HiRDB RDAREA has started.	The acquisition of the HiRDB RDAREA has started.
KAPM05604-I	The acquisition of the HiRDB RDAREA was successful.	The acquisition of the HiRDB RDAREA was successful.
KAPM05605-I	The acquisition of the table data has started.	The acquisition of the table data has started.
KAPM05606-I	The acquisition of the table data was successful.	The acquisition of the table data was successful.
KAPM05607-E	The command *aa...aa* is executing in another process. *aa...aa*: Command name	The command is executing in another process. After the command executing in the other process finishes, re-execute the command.
KAPM05608-E	The wait for the end of the command *aa...aa* has failed. *aa...aa*: Command name	The wait for the end of the command executing in another process has failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05609-E	The command *aa...aa* timed out and ended. *aa...aa*: Command name	The command executing in another process timed out. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05610-I	The specified product is a version for which registration data can be moved. (This was determined by comparing the versions of the specified product and the product to be installed.)	The specified product is a version for which registration data can be moved. (This was determined by comparing the versions of the specified product and the product to be installed.)
KAPM05611-E	The specified product is a version for which registration data cannot be moved. (This was determined by comparing the versions of the specified product and the product to be installed.)	The specified product is a version for which registration data cannot be moved. (This was determined by comparing the versions of the specified product and the product to be installed.) To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM05612-E	The version of the specified product could not be acquired. (product name = *aa...aa*) *aa...aa*: Product name	An attempt to execute the version acquisition function has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05613-E	The format of the version number file for the specified product is invalid.	The format of the version number file for the specified product is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05614-E	The specified product is not installed. (product name = *aa...aa*) *aa...aa*: Product name	The product specified by the version check command is not installed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM05615-E	An internal error occurred: *aa...aa* *aa...aa*: Detailed message	An internal error occurred. A detailed message to pinpoint the cause is displayed in the log. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05616-E	The number of specified options is invalid.	The number of options to specify in the version check function is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05617-E	The contents of the version file are invalid.	The version number file contains characters that are not numbers. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05618-I	The hcmdsppcheck command has started.	The version check function has started.
KAPM05619-I	The hcmdsppcheck command has ended.	The version check function has ended.

Message ID	Message Text	Description
KAPM05620-I	The hcmdsppvrs command was successful.	The version acquisition function was successful.
KAPM05621-E	The hcmdsppvrs command failed.	An attempt to execute the version acquisition function has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05622-E	Initialization of the log failed.	Initialization of the log failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05623-E	An attempt to assign memory to store the log file path has failed.	An attempt to assign memory to store the log file path has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05624-E	An attempt to acquire the installation path has failed.	An attempt to acquire the installation path has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05625-E	The product names do not match.	The product name specified by the version check function does not match the registered product name. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05626-E	The product name is not specified.	The product name that must be specified by the version check function is not specified. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05627-E	There is no version number file.	There is no version number file in the location specified by the version check function. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05628-I	A file already exists at the specified output destination.	Upgrade permission file already exists.
KAPM05629-E	A folder already exists at the specified output destination.	A folder already exists at the output destination specified by the version check function. After deleting the output destination folder, re-execute the command, or specify an empty directory.
KAPM05630-E	There is no registry key for HBase.	There is no registry key for Hitachi Command Suite Common Component. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05640-I	The user ID and password were changed successfully.	The specified user ID and password were changed successfully.
KAPM05641-I	There is no password file to reference.	The password file that writes the user ID and password was not found.
KAPM05642-W	Neither the user ID nor the password was changed.	The specified user ID and password are the same as before. Specify a new (different) ID and password.
KAPM05643-E	The format of the password file is invalid.	The password file might have been corrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05644-E	An attempt to change the user ID and password has failed.	An attempt to change the specified user ID and password failed because an error occurred. Check the preceding log.
KAPM05645-E	An option is invalid.	Please make sure the specification of the option is correct. Specify the option correctly, and execute the command again.
KAPM05646-E	The specified argument contains an invalid character.	An invalid character was specified in the option. Enter valid characters only.
KAPM05647-E	An attempt to acquire the HiCommand Suite Common	An attempt to acquire the Hitachi Command Suite Common Component installation path has failed.

Message ID	Message Text	Description
	Component installation path has failed.	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05648-E	An attempt to initialize the log has failed.	An attempt to initialize the log has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05649-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05650-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05654-E	An attempt to output the password file has failed.	An error occurred during processing to write to the password file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05655-E	The character string specified by the option is too long.	The character string specified by the option exceeds the maximum number of characters. Enter a character string that is within the maximum number of characters.
KAPM05656-E	The character string specified by the option is too short.	The length of the character string specified by the option is less than the minimum number of characters. Enter a character string that is at least the minimum number of characters.
KAPM05657-I	The hcmds64changeaccount command has started.	The `hcmds64changeaccount` command has started.
KAPM05658-I	The hcmds64changeaccount command has ended.	The `hcmds64changeaccount` command has ended.
KAPM05659-E	The program product specified by the type option is invalid.	The value specified for the `type` option is invalid. Enter a correct value.

Message ID	Message Text	Description
KAPM05660-E	The user ID specified by the newid option is invalid.	The value specified for the `newid` option is invalid. Enter a correct value.
KAPM05661-E	The password specified by the newpass option is invalid.	The value specified for the `newpass` option is invalid. Enter a correct value.
KAPM05662-E	An attempt to read the password file has failed.	An error occurred during processing to load the password file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05663-E	The specified user already exists.	The specified user already exists. Please execute it again after changing the user name.
KAPM05672-I	The memory size was changed successfully.	The memory size was changed successfully.
KAPM05673-E	An attempt to change the memory size has failed.	An attempt to change the memory size has failed. Check the message output before or after this message, and take action appropriate to that message.
KAPM05674-E	A fatal error occurred during processing.	A fatal error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05675-E	The service is running.	The service is running. Stop the service, and then execute the command again.
KAPM05676-E	In a Windows x32 environment, the memory size cannot be changed to Large.	In a Windows x32 environment, the memory size cannot be changed to Large. Specify a valid option to execute the command.
KAPM05677-E	The parameter is invalid.	The parameter is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05678-I	The current memory size is *aa...aa*.	The current memory size is displayed.

Message ID	Message Text	Description
	aa...aa: Memory size	
KAPM05679-E	The current memory size is unknown.	The current memory size is unknown. Use the `hcmdschgheap` command to reset the memory size.
KAPM05680-E	An option is invalid.	An option is invalid. Specify a valid option, and then re-execute the command.
KAPM05681-E	An entered argument is invalid.	An entered argument is invalid. Specify an appropriate argument.
KAPM05682-E	The specified options are insufficient.	A necessary option is not specified. Specify a valid option, and then try again.
KAPM05683-E	The value specified for an option is invalid. (option = *aa...aa*) *aa...aa*: Option	The value specified for an option is invalid. (option = *aa...aa*) Check the value specified for the option.
KAPM05684-E	The specified value is invalid. (value = *aa...aa*) *aa...aa*: Value	The specified value is invalid. (value = *aa...aa*) Specify an appropriate value.
KAPM05685-E	The hcmds.home value cannot be acquired.	The `hcmds.home` value cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05686-E	An attempt to load the file has failed. (file = *aa...aa*) *aa...aa*: File name	An attempt to load the file has failed. (file = *aa...aa*) To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05687-I	Processing ended normally.	Processing ended normally.
KAPM05688-E	Execution of the hcmdsweb command has failed.	Execution of the `hcmdsweb` command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05689-E	Execution of the hcmdsweb2 command has failed.	Execution of the `hcmdsweb2` command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM05690-E	In Windows x86 version, you cannot specify Large.	In Windows x86 version, you cannot specify `Large`. Specify a valid option, and then re-execute the command.
KAPM05691-E	Command execution failed because services were running.	Command execution failed because services were running. Stop all Suite products, Single Sign On Server, and Common Web Service, and then re-execute the command.
KAPM05692-E	The command cannot be executed because multiple containers are not registered.	The command cannot be executed because multiple containers are not registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05699-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05802-E	The option is invalid.	The option is invalid. Specify the option correctly.
KAPM05803-E	The specified arguments are insufficient.	The specified arguments are insufficient. Specify the option correctly.
KAPM05804-E	The specified value of option is invalid. (Option = *aa...aa*) *aa...aa*: Option name	The specified value of option is invalid. Check the specified value of the option.
KAPM05805-E	The specified directory cannot be created. (directory = *aa...aa*) *aa...aa*: Directory name	The specified directory cannot be created. Do the following: 1. Make sure the path is correct. 2. Check your permissions up to the specified directory.
KAPM05806-E	The specified directory name already existed as a file. (file = *aa...aa*) *aa...aa*: File name	The specified directory name already existed as a file. Specify another directory name.
KAPM05807-E	The specified value is invalid. (value = *aa...aa*) *aa...aa*: Specified value	The specified value is invalid. Specify a valid value.

Message ID	Message Text	Description
KAPM05808-E	The file *aa...aa* does not exist. *aa...aa*: File name	The file *aa...aa* does not exist. Confirm that there are no errors in the file specification. If there are no errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05809-E	The directory *aa...aa* does not exist. *aa...aa*: Directory name	The directory *aa...aa* does not exist. Do the following: 1. Make sure that the directory exists. 2. Make sure that the executing user can access the directory.
KAPM05810-E	The file *aa...aa* already exists. *aa...aa*: File name	The file *aa...aa* already exists. Delete the file, or move to another directory.
KAPM05811-E	Command *aa...aa* returns value *bb...bb*. The error message is *cc...cc*. *aa...aa*: Command name *bb...bb*: Return code *cc...cc*: Error message	Command *aa...aa* returns value *bb...bb*. The error message is *cc...cc*. Confirm that the value specified for the option is correct. If the value is correct, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05812-I	Processing ended normally.	Processing ended normally.
KAPM05813-E	An IOException occurred. (details = *aa...aa*) *aa...aa*: Exception details	An IOException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05814-E	An exception occurred. (details = *aa...aa*) *aa...aa*: Exception details	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05815-E	A NullPointerException occurred. (details = *aa...aa*) *aa...aa*: Exception details	A NullPointerException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05816-E	An error occurred while executing the hcmdsauthmode command.	An error occurred while executing the `hcmdsauthmode` command.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05817-E	There is no RD area in the system.	There is no RD area in the system. Make sure that the Hitachi Command Suite product has been installed.
KAPM05818-I	The hcmds64authmove command has started.	The `hcmds64authmove` command has started.
KAPM05819-I	Processing to import data has started.	Processing to import data has started.
KAPM05820-I	Processing to import data has ended.	Processing to import data has ended.
KAPM05821-I	Processing to export data has started.	Processing to export data has started.
KAPM05822-I	Processing to export data has ended.	Processing to export data has ended.
KAPM05823-E	HiRDB has not started.	HiRDB has not started. Start HiRDB.
KAPM05824-E	The directory *aa...aa* already exists. *aa...aa*: Directory name	The directory *aa...aa* already exists. Specify another directory.
KAPM05825-E	An HSSOException occurred. (details = *aa...aa*) *aa...aa*: Exception details	An HSSOException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05826-E	A CIMException occurred. (details = *aa...aa*) *aa...aa*: Exception details	A CIMException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05827-E	The specified directory is not empty. (directory name = *aa...aa*) *aa...aa*: Directory name	The specified directory is not empty. Specify an empty directory.
KAPM05828-E	An attempt to execute the hcmds64authmove command has failed.	An attempt to execute the `hcmds64authmove` command has failed. See the message KAPM*xxxxx*-E.
KAPM05829-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05830-E	An attempt to establish a connection has failed.	An attempt to establish a connection has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05831-E	An attempt to execute SQL has failed.	An attempt to execute SQL has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05832-I	The authentication data was backed up successfully.	The authentication data was backed up successfully.
KAPM05833-E	An attempt to back up the authentication data has failed.	An attempt to back up the authentication data has failed.
KAPM05834-I	The authentication data was restored successfully.	The authentication data was restored successfully.
KAPM05835-E	An attempt to restore the authentication data has failed.	An attempt to restore the authentication data has failed.
KAPM05836-E	An attempt to acquire the physical table name has failed. (table name = *aa...aa*) *aa...aa*: Table name	The physical table name was not requested from the logical table name. Confirm that the DBMS is running, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05837-W	The column data exceeds 80 characters. (column data = *aa...aa*) *aa...aa*: Column data	The column data of the TNB_AccountUser table could not be reduced to within 80 characters.
KAPM05838-E	An attempt to execute the SQL has failed. (SQL = *aa...aa*, error code = *bb...bb*) *aa...aa*: Executed SQL statement *bb...bb*: Error code	An attempt to execute the SQL has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05840-E	The option is invalid.	The option is invalid. Specify correct options, and then re-execute the command.

Message ID	Message Text	Description
KAPM05841-E	The option is invalid. Code=[*aa...aa*], Data=[*bb...bb*] *aa...aa*: Generated code *bb...bb*: Generated option and value	The option is invalid. Specify correct options, and then re-execute the command.
KAPM05842-I	hcmds64banner [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The options specified for the command will be displayed.
KAPM05843-E	The message file does not exist.	The message file specified in the "`file`"option does not exist. Please specify the correct file, and then execute the command.
KAPM05844-E	The path specified for the message file is not a file.	The path of the message file specified in the "`file`"option is not a file. Please specify the correct file, and then execute the command.
KAPM05845-E	The message exceeded 1000 characters.	The message of the message file specified in the "`file`"option exceeded 1,000 characters. Please keep the message to 1,000 characters or less.
KAPM05846-E	The path specified in the *aa...aa* option is not an absolute path. *aa...aa*: Option	The path specified in the *aa...aa* option is not an absolute path. Specify the absolute path, and then try again.
KAPM05850-E	An attempt to set the banner message display has failed.	An attempt to set the banner message has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05851-E	An attempt to set the banner message display has failed. File = [*aa...aa*], Code = [*bb...bb*] *aa...aa*: File or directory *bb...bb*: Generated code	An attempt to set the banner message has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05852-I	Setting of the banner message display has been completed.	The setting of the banner message has been completed.
KAPM05860-W	The banner message display has already been cancelled.	The banner message has already been deleted.

Message ID	Message Text	Description
KAPM05861-E	An attempt to cancel the banner message display has failed.	An attempt to delete the banner message has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05862-E	An attempt to cancel the banner message display has failed. File = [*aa...aa*], Code=[*bb...bb*] *aa...aa*: File or directory *bb...bb*: Generated code	An attempt to delete the banner message has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05863-I	Cancellation of the banner message display has been completed.	The banner message has been released.
KAPM05864-I	*aa...aa* *aa...aa*: Standard error output	The message content is the standard error output when the command is executed. Take action according to the message that was output either before or after this message.
KAPM05876-E	A fatal error occurred during processing.	A fatal error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05879-E	*aa...aa* *aa...aa*: Information for debugging	Information for debugging.
KAPM05880-E	The value of EXCurrentVersion is invalid.	The value of EXCurrentVersion is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05881-E	EXCurrentVersion does not exist.	EXCurrentVersion does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05882-E	The registry key that must be acquired does not exist.	The registry key that must be acquired does not exist.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05883-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05884-E	The version management file is invalid	The version management file is invalid To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05885-E	The version management file that must be acquired does not exist.	The version management file that must be acquired does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05886-E	An attempt to acquire the version has failed.	An attempt to acquire the version has failed. Make sure that the product has been correctly installed. If it has been, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05887-I	The hcmdsvrsutil utility was successful.	The processing of the version acquisition function was succeeded.
KAPM05890-I	The hcmdsbasevrs command was successful.	The version display function was successful.
KAPM05891-E	The sub-key that shows the version does not exist.	The sub-key that shows the version does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05892-I	The hcmdsbasevrs command has started.	The version display function has started.
KAPM05893-I	The hcmdsbasevrs command has ended.	The version display function has ended.
KAPM05894-E	A fatal error occurred.	A fatal error occurred.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05895-E	The registry key that must be acquired does not exist.	The registry key that must be acquired does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05896-E	Initialization of the log failed.	Initialization of the log failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05897-E	An attempt to acquire the installation path has failed.	An attempt to acquire the installation path has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05898-E	An attempt to create the log file path has failed.	An attempt to create the log file path has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05899-E	There is no registry key for HBase.	There is no registry key for Hitachi Command Suite Common Component. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05900-I	The hcmds64dbtrans command has started.	The `hcmds64dbtrans` command has started.
KAPM05901-I	The hcmds64dbtrans command ended normally.	The `hcmds64dbtrans` command ended normally.
KAPM05902-E	An option is invalid.	An option is invalid. Specify correct options, and then re-execute the command.
KAPM05903-E	An option is invalid. Code=[*aa...aa*], Data=[*bb...bb*]	An option is invalid. Specify correct options, and then re-execute the command.

Message ID	Message Text	Description
	aa...aa: Code indicating generation location *bb...bb*: Generated option and value	
KAPM05904-I	hcmds64dbtrans [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The options specified for the command are displayed.
KAPM05905-E	The path specified in the *aa...aa* option is not an absolute path. *aa...aa*: Option	The path specified in the *aa...aa* option is not an absolute path. Specify the absolute path, and then try again.
KAPM05906-E	Authentication data cannot be registered in a secondary server.	Authentication data cannot be registered in a secondary server. The registration of authentication data, please execute on the primary server.
KAPM05907-I	*aa...aa* *aa...aa*: Standard error output	The message content is the standard error output when the command is executed. Take action according to the message that was output either before or after this message.
KAPM05909-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05910-E	An attempt to acquire the version of *aa...aa* has failed. *aa...aa*: Product name	An attempt to acquire the version of the installed *aa...aa* failed. Make sure that the product has been properly installed. If an error still occurs after taking the above action, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05911-E	*aa...aa* is a version that cannot be registered. *aa...aa*: Product name	The *aa...aa* data in the registration data cannot be registered because the data cannot be used with the installed *aa...aa* version. Change the installed *aa...aa* version to the version used when the registration data was created, or to a version for

Message ID	Message Text	Description
		which the registration data can be moved. If operation is possible without registering the *aa...aa* data, exclude this data and register the data for the other products.
KAPM05912-I	*aa...aa* cannot be registered because it is not installed. *aa...aa*: Product name	*aa...aa* cannot be registered because it is not installed. If the *aa...aa* data is necessary, install *aa...aa*, and then re-execute the command.
KAPM05913-E	Processing to register *aa...aa* will stop because it is not installed. *aa...aa*: Product name	Processing to register data will stop because *aa...aa*, specified in the `type` option, is not installed. If registration of *aa...aa* is necessary, install *aa...aa* and then re-execute the command. If operation is possible without registering the *aa...aa* data, exclude this data and register the data for the other products.
KAPM05914-E	Processing to register *aa...aa* will stop because it is not in the registration data. *aa...aa*: Product name	Processing to register data will stop because *aa...aa*, specified in the `type` option, is not in the registration data. Use the `type` option to specify only the products that are included in the archive file or in the directory specified by the `workpath` option.
KAPM05915-E	An attempt was made to register primary server data into the secondary server.	An attempt was made to register primary server data into the secondary server. Check the data to be imported.
KAPM05916-E	An attempt was made to register secondary server data into the primary server.	An attempt was made to register secondary server data into the primary server. Check the data to be imported and the setting of the server to which the data is to be imported.
KAPM05917-E	An attempt to import the database has failed.	An attempt to import the database has failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05918-E	An attempt to export the database has failed.	An attempt to export the database has failed.

Message ID	Message Text	Description
		Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05919-E	The hcmds64dbtrans command cannot be executed because the database is currently in use.	The `hcmds64dbtrans` command cannot be executed because the database is currently in use. Stop the Hitachi Command Suite product connected to HiRDB, and then retry the operation. Even after retrying the operation, if the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05920-E	The archive file specification is incorrect.	The archive file name specified in the `file` option is incorrect. Revise the path specified in the command option.
KAPM05921-E	An attempt to extract the archive file has failed.	An attempt to extract the archive file specified in the `file` option has failed. Make sure that the following conditions are met: • The capacity of the disk used for the directory specified by the `workpath` option is sufficient. • The archive file is for the `hcmds64dbtrans` command. If an error still occurs after taking the above action, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05922-E	An attempt to create an archive file has failed.	An attempt to create an archive file has failed. Allocate enough disk space for the archive file storage destination. If an error occurs while allocating disk space, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05923-E	An archive file cannot be created because the data exceeds 2 GB.	An archive file cannot be created because the data exceeds 2 GB. Instead of the archive file, transfer the data stored in the directory specified by the `workpath` option to the migration destination server.
KAPM05924-E	The work directory specification is incorrect.	The work directory specification is incorrect. Do the following: 1. Make sure the path is correct. 2. Check your permissions up to the specified directory.
KAPM05925-E	The work directory is not empty.	The work directory is not empty. Specify an empty directory or uncreated directory as the work directory.
KAPM05926-E	The format of the registration data in the work directory is incorrect.	A file or directory required by the `hcmds64dbtrans` command is not in the work directory specified by the `workpath` option. • If the `file` option is specified Check whether the specified archive file is an `hcmds64dbtrans` command archive file. • If the `file` option is not specified Check whether the entire contents of the directory specified for the `work path` option during an export operation are saved in the directory specified for the `work path` option. Even after the above action, if the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05927-E	DBMS is not running.	Data I/O cannot be performed because the DBMS is not running. Start the DBMS by using the `hcmds64dbsrv` command.
KAPM05928-E	DBMS is not set up.	Data I/O cannot be performed because the DBMS is not set up. Make sure the installation status of the product is correct.
KAPM05929-W	An attempt to delete the work directory has failed.	An attempt to delete a file or directory made in the work directory has failed.

Message ID	Message Text	Description
		Please delete the work directory.
KAPM05930-I	*aa...aa* will now be exported. *aa...aa*: "The application data" or "The authentication data"	*aa...aa* will now be exported.
KAPM05931-I	*aa...aa* has been exported. *aa...aa*: "The application data" or "The authentication data"	*aa...aa* has been exported.
KAPM05932-I	*aa...aa* has been deleted from the authentication data. *aa...aa*: Product name	*aa...aa* has been deleted from the authentication data.
KAPM05933-I	The archive file will now be created.	The archive file will now be created.
KAPM05934-I	The archive file has been created.	The archive file has been created.
KAPM05935-I	The archive file will now be extracted.	The archive file will now be extracted.
KAPM05936-I	The archive file has been extracted.	The archive file has been extracted.
KAPM05937-I	*aa...aa* will now be imported. *aa...aa*: "The application data" or "The authentication data"	*aa...aa* will now be imported.
KAPM05938-I	*aa...aa* has been imported. *aa...aa*: "The application data" or "The authentication data"	*aa...aa* has been imported.
KAPM05939-E	*aa...aa* *aa...aa*: Details from the time of the error	See the preceding detailed error message. Take action according to the preceding message.
KAPM05950-E	The specified product is not supported.	The product specified by the version acquisition function is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05951-E	The sub-key that shows the version does not exist.	There is no sub-key that indicates the version. Make sure that the product has been correctly installed. If it has been, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM05952-E	The specified product is not installed.	The product specified by the version acquisition function is not installed. Please install the product specified by the option.
KAPM05953-I	The processing of the hcmdsvrsutil library succeeded.	The processing of the version acquisition function succeeded.
KAPM05954-E	The product name is not specified.	The product name is not specified. Please specify the product name, and then re-execute the command.
KAPM05955-E	The product names do not match.	The product names do not match. Please specify the correct product name, and then re-execute the command.
KAPM05956-E	The processing of the hcmdsvrsutil library failed.	The processing of the version acquisition function failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05957-E	There is no registry key for the specified product.	There is no registry key for the product specified by the version acquisition function. Make sure that the product has been correctly installed. If it has been, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05958-E	An attempt to acquire the sub-key that shows the version of the specified product has failed.	There is no sub-key that indicates the version of the product specified by the version acquisition function. Make sure that the product has been correctly installed. If it has been, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05959-E	The file that stores the installation path is invalid.	The file that stores the installation path is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05970-I	The hcmdsppvrs command was successful.	The version acquisition function was successful.

Message ID	Message Text	Description
KAPM05971-E	The specified product is not installed. (product name = *aa...aa*) *aa...aa*: Product name	The product specified by the version acquisition function is not installed. Please install the specified product.
KAPM05972-E	An attempt to acquire version information for the specified product has failed.	The version of the product specified by the version acquisition function could not be acquired. Make sure that the product has been correctly installed. If it has been, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05973-I	The hcmdsppvrs command has started.	The version acquisition function started.
KAPM05974-I	The hcmdsppvrs command has ended.	The version acquisition function ended.
KAPM05975-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05976-E	Log initialization failed.	Initialization of the log failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05977-E	Initialization of the installation path has failed.	Initialization of the installation path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05978-E	An attempt to assign memory to store the log file path has failed.	An attempt to assign memory to store the log file path has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05979-E	The number of specified options is invalid.	The number of options specified by the version acquisition function is invalid. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05980-E	A file already exists at the specified output destination.	The file already exists at the output destination specified by the version acquisition function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05981-E	A folder already exists at the specified output destination.	The folder already exists at the output destination specified by the version acquisition function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05982-E	The file-creation function failed.	The function that creates the file for writing the version value failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM05983-E	The file-writing function failed.	The function that writes the version value to the file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05984-I	The version was successfully acquired. (product name = *aa...aa*, version = *bb...bb*) *aa...aa*: Product name *bb...bb*: Version	The version acquisition was successful.
KAPM05985-E	An attempt to acquire the version has failed. (product name = *aa...aa*) *aa...aa*: Product name	An attempt to acquire the version has failed. Make sure that the product has been correctly installed. If it has been, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM05986-E	A fatal error occurred: *aa...aa* *aa...aa*: Detailed message	A fatal error occurred. A detailed message showing the cause is output.

Message ID	Message Text	Description
		Make sure the specified product is supported. If it is supported, the specified product name might be incorrect; so enter the correct product name, and then re-execute the command.
KAPM05987-I	The processing of the hcmdsvrsutil library succeeded.	The processing of the version acquisition function succeeded.
KAPM05988-E	The processing of the hcmdsvrsutil library failed. (RTN = *aa...aa*, message = *bb...bb*) *aa...aa*: Version acquisition function return code *bb...bb*: Version acquisition function error message	The processing of the version acquisition function failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM05990-E	The version file does not exist. (command line = *aa...aa*) *aa...aa*: command-line	The version file does not exist. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM05991-E	The argument is invalid.	The argument is invalid. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM05999-E	Fatal error.	Fatal error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06001-I	Updating of the database has started.	Updating of the database has started.
KAPM06002-I	The database was updated from 01-00 to 01-01.	The database was updated from 01-00 to 01-01.
KAPM06003-I	The database need not be updated to 01-01.	The database does not need to be updated to 01-01.
KAPM06004-I	The database updating from 01-01 to 03-00 has started.	The database updating from 01-01 to 03-00 has started.
KAPM06005-I	The database was updated from 01-01 to 03-00.	The database was updated from 01-01 to 03-00.
KAPM06006-I	The database need not be updated to 03-00.	The database does not need updating to 03-00.

Message ID	Message Text	Description
KAPM06007-I	The database is already updated.	The database is already updated.
KAPM06008-E	Updating of the database abnormally ended.	Updating of the database has abnormally ended. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06009-I	Updating of the database has ended.	Updating of the database has ended.
KAPM06010-E	An attempt to backup of the database has failed.	An attempt to backup the database has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06011-E	An attempt to restore of the database has failed.	An attempt to restore the database has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06012-I	The database does not need to be updated to *aa...aa*. *aa...aa*: Version	The database does not need to be updated to *aa...aa*.
KAPM06013-I	The database has been updated from *aa...aa* to *bb...bb*. *aa...aa*: Old version *bb...bb*: New version	The database has been updated from *aa...aa* to *bb...bb*.
KAPM06015-E	An attempt to change the database meta definition has failed.	An attempt to change the database meta definition has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06016-E	The version of the database to be upgraded is unknown.	The version of the database to be upgraded is unknown. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06017-E	The current database version could not be obtained.	The current database version could not be obtained. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06018-E	An attempt to acquire the connection has failed.	An attempt to acquire the connection has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06019-E	An attempt to set up the auto-commit function has failed.	An attempt to set up the auto-commit function has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06020-E	An attempt to create the lock table has failed.	An attempt to create the lock table has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06021-E	An attempt to lock the table has failed.	An attempt to lock the table has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06022-E	An attempt to execute SQL has failed.	An attempt to execute SQL has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who

Message ID	Message Text	Description
		may ask you to collect troubleshooting information.
KAPM06023-E	An attempt to update the version of the database version table has failed.	An attempt to update the version of the database version table has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06024-E	An error occurred during an attempt to read a file.	An error occurred during an attempt to read a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06025-E	An attempt to acquire the database version has failed.	An attempt to acquire the database version has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06026-E	An attempt to upgrade the database has failed.	An attempt to upgrade the database has failed. Confirm that InterBase is running. If InterBase is running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06027-I	The database was successfully updated.	The database was successfully updated.
KAPM06028-E	An attempt to set up the environment has failed. (system property name = *aa...aa*) *aa...aa*: System property name	An attempt to set up the environment has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06029-E	Database is not running.	The DBMS is not running. This message might be output because the DBMS was starting immediately after the OS started.

Message ID	Message Text	Description
		If the message was output at a time other than immediately after the OS started, start the DBMS.
KAPM06030-E	Disk capacity is insufficient.	Disk capacity is insufficient. Restore the repository from the backup file, increase the database capacity, and then re-execute.
KAPM06031-E	An attempt to upgrade the database has failed.	An attempt to upgrade the database has failed. Restore the repository from a backup file, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06032-E	An attempt to acquire the database version has failed.	An attempt to acquire the database version has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06033-E	The current database version is incorrect.	The current database version is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06034-E	Exclusion control of a TNB_DBVersion table has failed.	Exclusion control of a TNB_DBVersion table has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06035-E	The access class of a database could not be found.	The access class of a database could not be found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06036-E	Access of a database has failed.	An attempt to access a database failed. This message might be output because the DBMS was starting immediately after the OS started.

Message ID	Message Text	Description
		If the message was output at a time other than immediately after the OS started, a detailed investigation is required to determine the cause and resolve the problem. Collect failure information, and then contact the customer support.
KAPM06037-I	The database has been update from version *aa...aa* to *bb...bb*. *aa...aa*: Version *bb...bb*: Version	The database has been update from version *aa...aa* to *bb...bb*.
KAPM06038-E	An attempt to acquire the user names of users who access the database has failed.	An attempt to acquire the user names of users who access the database has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06039-E	The version of the target database is unknown.	The version of the target database is unknown. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06040-E	An unexpected error occurred.	An unexpected error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06041-E	An attempt to clear an HiRDB environment variable has failed.	An attempt to clear an HiRDB environment variable has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06042-W	The SQL will be disregarded. (SQL = *aa...aa*, error code = *bb...bb*) *aa...aa*: Executed SQL statement *bb...bb*: Error code	This message is displayed when the executed SQL statement is to be disregarded during processing to upgrade the database version.
KAPM06043-E	An attempt to perform a rollback has failed.	This message is displayed when an attempt to perform a rollback during processing to upgrade the database version has failed.

Message ID	Message Text	Description
		Confirm that the DBMS is running, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06044-E	The version upgrade definition file is invalid.	The version upgrade definition file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06045-I	The SQL will now be executed. (SQL = *aa...aa*) *aa...aa*: SQL statement	This message is displayed when the SQL statement is to be executed during processing to upgrade the database version.
KAPM06046-I	Processing to upgrade the database version started. (version = *aa...aa*) *aa...aa*: Database version	Processing to upgrade the database version started.
KAPM06047-I	Processing to upgrade the database version ended. (version = *aa...aa*) *aa...aa*: Database version	Processing to upgrade the database version ended.
KAPM06048-E	An attempt to execute the SQL has failed. (SQL = *aa...aa*, error code = *bb...bb*) *aa...aa*: Executed SQL statement *bb...bb*: Error code	This message is displayed when an attempt to execute the SQL during processing to upgrade the database version has failed. Confirm that the DBMS is running, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06049-E	The RD area of HBase is blocked.	The RD area of HBase is blocked. Remove the cause of the HiRDB blockage, and then try again.
KAPM06050-E	An attempt to add a built-in user group failed.	An attempt to add a built-in user group failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06052-E	An attempt to change a resource group attribute has failed. (attribute = *aa...aa*) *aa...aa*: Attribute	An attempt to change a resource group attribute has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06100-I	The hcmds64chgurl command started.	The `hcmds64chgurl` command started.
KAPM06101-I	The hcmds64chgurl command successfully ended.	The `hcmds64chgurl` command successfully ended.
KAPM06102-E	The hcmds64chgurl command abnormally ended.	The `hcmds64chgurl` command abnormally ended. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM06103-I	An attempt to back up the database has succeeded.	An attempt to back up the database has succeeded.
KAPM06104-E	An attempt to back up the database has failed.	An attempt to back up the database has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06105-I	An attempt to restore the database has succeeded.	An attempt to restore the database has succeeded.
KAPM06106-E	An attempt to restore the database has failed.	An attempt to restore the database has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06111-I	The URL was changed from "*aa...aa*" to "*bb...bb*". *aa...aa*: Old URL *bb...bb*: New URL	The URL was changed from "*aa...aa*" to "*bb...bb*".
KAPM06112-E	The specified URL before the change is invalid. URL = "*aa...aa*" *aa...aa*: URL	The specified URL before the change is invalid. Confirm that the URL is valid.
KAPM06113-E	The specified URL after the change is invalid. URL = "*aa...aa*"	The specified URL after the change is invalid. Confirm that the URL is valid.

Message ID	Message Text	Description
	aa...aa: URL	
KAPM06114-E	An attempt to connect to the database has failed.	An attempt to connect to the database has failed. Confirm that the InterBase or the InterClient service is running.
KAPM06115-E	An option is invalid.	An option is invalid. Confirm that the option is valid.
KAPM06116-E	CIMException occurred. Description = "*aa...aa*" *aa...aa*: Error details	CIMException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06117-E	An unexpected error occurred. Description = "*aa...aa*" *aa...aa*: Error details	An unexpected error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06118-E	The BaseURL column does not exist in the class. class name = "*aa...aa*" *aa...aa*: Class name	The BaseURL column does not exist in the class. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06119-W	The specified URL does not exist in the class. URL = "*aa...aa*" *aa...aa*: URL	The specified URL does not exist in the class. Confirm that the URL is valid.
KAPM06120-I	The URL is not registered.	The URL is not registered.
KAPM06121-E	IllegalDataException occurred. Description = "*aa...aa*" *aa...aa*: Details	IllegalDataException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06122-W	The specified URL before the change and after the change are same.	The specified URL before the change and after the change are same. Confirm that the URL is valid.
KAPM06123-W	The program product specified by the type option is invalid.	The value specified for the `type` option is invalid. Enter a correct value.
KAPM06124-W	An attempt to register authentication data failed.	An attempt to register authentication data failed. Perform the following actions:

Message ID	Message Text	Description
		1. For a distributed environment: If you executed the command from the primary side: - Restart the Single Sign-On server on the primary side. If you executed the command from the secondary side: - Check whether the Single Sign-On server on the primary side is running. If the Single-Sign On server is not running, start it. - Restart the Single Sign-On server on the secondary side. 2. For a non-distributed environment: - Restart the Single Sign-On server.
KAPM06130-I	The hcmdsinitsetup command has started.	The `hcmdsinitsetup` command has started.
KAPM06131-I	The hcmdsinitsetup command was successful.	The `hcmdsinitsetup` command was successful.
KAPM06132-E	The hcmdsinitsetup command has failed.	The `hcmdsinitsetup` command has failed.
KAPM06138-E	A required database path is missing.	A required database path is missing.
KAPM06139-E	An error occurred during a parameter check.	An error occurred during a parameter check.
KAPM06140-E	Memory is insufficient.	Memory is insufficient. Check the memory capacity for the operation environment. If necessary, increase the memory.
KAPM06141-E	The HiRDB environment already exists.	The HiRDB environment already exists. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06142-E	Free disk space is insufficient.	Free disk space is insufficient. Check the disk capacity for the operation environment. If necessary, free some disk area.
KAPM06143-E	An error occurred in the system definition entry file.	An error occurred in the system definition entry file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM06144-E	The port is already being used.	The port is already being used. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06145-E	Other errors.	Other errors. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06146-E	An attempt to create the file has failed.	An attempt to create the file has failed.
KAPM06147-E	An attempt to write to the file has failed.	An attempt to write to the file has failed.
KAPM06149-E	An attempt to delete the file has failed.	An attempt to delete the file has failed.
KAPM06153-E	An attempt to execute the command has failed.	An attempt to execute the command has failed.
KAPM06154-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06159-E	An attempt to acquire a cluster configuration file has failed.	An attempt to acquire a cluster configuration file has failed. Check the cluster configuration file.
KAPM06160-E	The value of hcmds.home cannot be acquired.	The value of `hcmds.home` cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06161-E	The cluster configuration file was not found.	The cluster configuration file was not found. Check the cluster configuration file.
KAPM06162-E	An attempt to acquire the key name has failed.	An attempt to acquire the key name has failed. Check the cluster configuration file.
KAPM06163-E	An attempt to acquire a value has failed.	An attempt to acquire a value has failed.

Message ID	Message Text	Description
		Check the cluster configuration file.
KAPM06164-E	A CIMClassNotFoundException occurred.	A CIMClassNotFoundException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06165-E	An attempt to delete the file has failed. (file = "*aa...aa*") *aa...aa*: File name	An attempt to delete the file has failed. See the next message.
KAPM06166-E	An attempt to register the authentication data has failed.	An attempt to register the authentication data has failed. If the `hcmds64chgurl` command is executed, and then this message is displayed after the KAPM06111-I message, registration information was successfully registered in the local repository of the distributed environment, but the registration information on the remote computer was not applied. To apply the registration information on the remote computer, start or restart the single sign-on server for the remote computer. If starting or restarting the server does not resolve the problem, confirm the network connection and settings. Even after that, if the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06169-E	An attempt to log in as an internal user has failed.	An attempt to log in as an internal user has failed. See the next message.
KAPM06170-I	The hcmds64dbstatus command has started.	The `hcmds64dbstatus` command has started.
KAPM06171-I	The hcmds64dbstatus command has ended.	The `hcmds64dbstatus` command has terminated.
KAPM06172-I	The hcmds64dbstatus command was successful.	The `hcmds64dbstatus` command was successful.
KAPM06173-E	The hcmds64dbstatus command has failed.	The `hcmds64dbstatus` command has failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM06176-I	The DBMS is running.	The DBMS is running.
KAPM06177-I	The DBMS is now starting or shutting down.	The DBMS is now starting or shutting down.
KAPM06178-I	The DBMS service has stopped.	The DBMS stopped.
KAPM06179-E	The DBMS restart was interrupted.	The restart of the DBMS was interrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06180-E	The DBMS service has stopped or does not exist.	The DBMS service has stopped or does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06181-E	The database has not been set up.	The database has not been set up. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06182-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06183-I	Command execution results: "*aa...aa*" *aa...aa*: Displayed output of the executed command	Execution result of command.
KAPM06184-E	An attempt to execute the command has failed.	The execution of the command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06185-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06186-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06187-E	An attempt to judge the DBMS status has failed.	An attempt to judge the DBMS status has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06190-E	An attempt to acquire a parameter failed. (file name = *aa...aa*, key = *bb...bb*, value = *cc...cc*) *aa...aa*: File path *bb...bb*: Key value for setting the value *cc...cc*: Value corresponding to the key	An attempt to acquire, from the file, the parameter value that corresponds to the key failed. The file from which the parameter was to be acquired might have been inaccessible when the `hcmdsdbsetup` command was executed. Re-execute the `hcmdsdbsetup` command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06191-E	An attempt to set a parameter failed. (file name = *aa...aa*, key = *bb...bb*, value = *cc...cc*) *aa...aa*: File path *bb...bb*: Key value for setting the value *cc...cc*: Value corresponding to the key	An attempt to acquire, from the file, the parameter value that corresponds to the key failed. The file from which the parameter was to be acquired might have been inaccessible when the `hcmdsdbsetup` command was executed. Re-execute the `hcmdsdbsetup` command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06192-I	The command was executed. (command name = *aa...aa*, return code = *bb...bb*) *aa...aa*: Command name *bb...bb*: Return code	The command was executed.
KAPM06193-I	*aa...aa* *aa...aa*: Debug information	Debug information is output.

Message ID	Message Text	Description
KAPM06194-W	An attempt to obtain the absolute path of the hcmdsChangeSysPass file failed.	An attempt to obtain the absolute path of the `hcmdsChangeSysPass` file failed.
KAPM06195-W	An attempt to delete the hcmdsChangeSysPass file failed.	An attempt to delete the `hcmdsChangeSysPass` file failed.
KAPM06203-E	The list of table name is empty.	The list of table name is empty. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06206-E	An unexpected error occurred during InterBase processing.	An unexpected error occurred during InterBase processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06207-E	The list of table names is empty.	The list of table names is empty. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06209-I	A table *aa...aa* has been created. *aa...aa*: Table name	A table *aa...aa* has been created.
KAPM06214-E	InterBaseServer is not running.	InterBaseServer is not running. Make sure that InterBaseServer is running.
KAPM06215-E	InterServer is not running.	InterServer is not running. Make sure that InterServer is running.
KAPM06216-E	An argument contains a null value.	An argument contains a null value. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06217-E	The option is invalid.	The option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06218-E	The specified directory cannot be created. (directory = *aa...aa*). *aa...aa*: Directory name	The specified directory cannot be created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06219-E	The specified directory name already exists as a file. (file = *aa...aa*) *aa...aa*: File name	The specified directory name already exists as a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06220-E	The specified file name already exists as a directory. (directory = *aa...aa*) *aa...aa*: Directory name	The specified file name already exists as a directory. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06221-E	The specified database file (*aa...aa*) does not exist. *aa...aa*: Database file name	The specified database file (*aa...aa*) does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06222-E	The specified XML file (*aa...aa*) does not exist. *aa...aa*: XML file name	The specified XML file (*aa...aa*) does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06223-E	The specified value is invalid. (value = *aa...aa*) *aa...aa*: Value	The specified value is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06224-E	The specified arguments are insufficient.	The specified arguments are insufficient. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06226-E	The specified file (*aa...aa*) does not exist in the argument of the pdload command. *aa...aa*: Name of non-existent file	The specified file (*aa...aa*) does not exist in the argument of the `pdload` command. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06227-I	The processing on table *aa...aa* finished successfully. *aa...aa*: Table name	The processing on table *aa...aa* finished successfully.
KAPM06228-E	The CSV file (*aa...aa*) contains an invalid line. *aa...aa*: File name	The CSV file (*aa...aa*) contains an invalid line. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06229-E	An attempt to read the data from table *aa...aa* has failed. *aa...aa*: Table name	An attempt to read the data from table *aa...aa* has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06230-E	An unexpected return value (*aa...aa*) was returned from the pdload command. *aa...aa*: Unexpected return value	An unexpected return value (*aa...aa*) was returned from the `pdload` command. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06231-E	An attempt to upgrade InterBase has failed.	An attempt to upgrade InterBase has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06232-E	An SQL exception occurred.	An SQL exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06234-E	A table name in XML is null or 0 bytes.	A table name in XML is null or 0 bytes.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06235-E	An unexpected XML tag (*aa...aa*) has been detected. *aa...aa*: Unexpected XML tag	An unexpected XML tag (*aa...aa*) has been detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06239-E	An error occurred during SAX processing.	An error occurred during SAX processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06241-E	A fatal error occurred during SAX processing.	A fatal error occurred during SAX processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06242-E	An unexpected data length (*aa...aa*) was detected. *aa...aa*: Unexpected value	An unexpected data length (*aa...aa*) was detected. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06243-E	A SAXException occurred. (details = *aa...aa*) *aa...aa*: SAXException detailed information	A SAXException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06244-E	The length of the data to be moved to HiRDB exceeds the HiRDB limit. (data type of excessively long data, length) = (*aa...aa*, *bb...bb*) *aa...aa*: Data type of the excessively long data *bb...bb*: Length of the excessively long data	The length of the data to be moved to HiRDB exceeds the HiRDB limit. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06245-E	HiRDB has not started.	HiRDB has not started. Please start HiRDB.

Message ID	Message Text	Description
KAPM06246-I	The table *aa...aa* was successfully created. *aa...aa*: Table name	Table *aa...aa* was successfully created.
KAPM06247-E	The table *aa...aa* was not created. *aa...aa*: Table name	Table *aa...aa* was not created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06248-I	Processing ended normally.	Processing ended normally.
KAPM06249-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06250-I	The data was registered successfully in table *aa...aa*. *aa...aa*: Table name	The data was registered successfully in table *aa...aa*.
KAPM06251-E	The data was not registered in table *aa...aa*. *aa...aa*: Table name	The data was not registered in table *aa...aa*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06252-E	Authentication has failed at *aa...aa*. *aa...aa*: Database name	Authentication has failed at *aa...aa*. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06253-E	Application *aa...aa* is not supported. *aa...aa*: Application name	Databases of application *aa...aa* are not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06255-I	Processing to initialize database conversion is being performed.	Processing to initialize database conversion is being performed.
KAPM06256-E	The specified file could not be created. (file = *aa...aa*) *aa...aa*: File name	The specified file could not be created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06257-I	Data is now being read from the old database. (progress = *aa...aa*/*bb...bb*) *aa...aa*: Number of converted tables *bb...bb*: Total number of tables to be converted	The database is now being converted.
KAPM06258-I	The database is now being converted. (progress = *aa...aa*/*bb...bb*) *aa...aa*: Number of converted tables *bb...bb*: Total number of tables to be converted	The database is now being converted.
KAPM06259-E	The file *aa...aa* does not exist. *aa...aa*: File name	The file *aa...aa* does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06262-I	The hcmdssslsetup command has started.	This message is output when the `hcmdssslsetup` command starts.
KAPM06263-I	The hcmdssslsetup command has ended.	This message is output when the `hcmdssslsetup` command ends.
KAPM06264-I	The hcmdssslsetup command ended successfully.	This message is output when the `hcmdssslsetup` command ends successfully.
KAPM06266-E	An option is invalid.	This message is output when an option specified for a command is invalid. Specify valid options.
KAPM06267-E	The sslc.cnf file was not found.	This message is output when the `sslc.cnf` file does not exist at the storage location. If the `file` option is specified, confirm that the path specified as an argument is in the `sslc.cnf` file. If the `file` option is not specified, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06268-E	The sslc.cnf file is invalid.	This message is output when the format of the `sslc.cnf` file is invalid. Confirm the permissions for the `sslc.cnf` file or the permissions of the

Message ID	Message Text	Description
		user who executed the command, and then re-execute the command. Even after that, if the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06269-E	Execution of the sslc command failed.	This message is output when execution of the `sslc` command fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06270-I	Processing to create a private key has started.	This message is output when processing to create a private key starts.
KAPM06271-I	Processing to create a private key has ended.	This message is output when processing to create a private key ends.
KAPM06272-E	Processing to create a private key failed.	This message is output when processing to create a private key fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06273-I	Processing to create a self-signed certificate has started.	This message is output when processing to create a self-signed certificate starts.
KAPM06274-I	Processing to create a self-signed certificate has ended.	This message is output when processing to create a self-signed certificate ends.
KAPM06275-E	Processing to create a self-signed certificate failed.	This message is output when processing to create a self-signed certificate fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06276-I	Processing to create a self-signed certificate in DER format has started.	This message is output when processing to create a self-signed certificate in DER format starts.
KAPM06277-I	Processing to create a self-signed certificate in DER format has ended.	This message is output when processing to create a self-signed certificate in DER format ends.

Message ID	Message Text	Description
KAPM06278-E	Processing to create a self-signed certificate in DER format failed.	This message is output when processing to create a self-signed certificate in DER format fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06280-E	An internal error occurred.	This message is output when an internal error occurs. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06281-I	Processing to create a certificate content file started.	Processing to create a certificate content file started.
KAPM06282-I	Processing to create a certificate content file ended.	Processing to create a certificate content file ended.
KAPM06283-E	Processing to create a certificate content file has failed.	Processing to create a certificate content file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06284-E	The sslc command was not found.	The `sslc` command was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06285-E	File deletion has failed.	Deletion of a private key, self-signed certificate, DER format self-signed certificate, or certificate content file created by the `hcmdssslsetup` command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06286-E	The private key was not found.	The private key was not found in the storage destination after it was created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06287-E	The self-signed certificate was not found.	The self-signed certificate was not found in the storage destination after it was created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06288-E	The DER format self-signed certificate was not found.	The DER format self-signed certificate was not found in the storage destination after it was created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06289-E	The certificate contents file was not found.	After the certificate contents file had been created, it was not found in the storage destination. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06290-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06291-W	The host name cannot be acquired.	The host name cannot be acquired.
KAPM06292-E	An attempt to output a file failed.	An attempt to output a file failed. For details, see the `hcmds64ssltool` command log.
KAPM06303-E	The option(s) specified is insufficient.	The option(s) specified is insufficient. Specify all the necessary options.
KAPM06304-E	The option value specified is invalid.	The option value specified is invalid. Specify the option and specify the necessary proceeding values. (user name and password, etc.)
KAPM06305-E	The option "*aa...aa*" is not supported. *aa...aa*: Option name	The option "*aa...aa*" is not supported. Do not specify an unsupported option.
KAPM06306-E	The option "*aa...aa*" appears 2 times or more. *aa...aa*: Option name	The option "*aa...aa*" appears 2 times or more. Check the specification of the option.

Message ID	Message Text	Description
KAPM06307-E	The combination of options is invalid.	The combination of options is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06308-E	An argument contains a null value.	An argument contains a null value. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06309-E	An exception occurred.	An exception occurred. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06310-E	The file "*aa...aa*" could not be read. *aa...aa*: File name	The file "*aa...aa*" could not be read. Confirm that the file exists, that the file is not in use, and that the make directory of the file is correct.
KAPM06311-E	The input file contains a grammar mistake.	The input file contains a grammar mistake. Correct the syntax error in the specified definition file.
KAPM06312-E	An error occurred when inputting the file.	An error occurred when inputting the file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06313-E	The specified value is invalid. value = *aa...aa* *aa...aa*: Value	The specified value is invalid. Confirm the value in the user definition application file.
KAPM06317-E	I/O of XML has failed.	I/O of XML has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06318-E	An error occurred in the SAX parser.	An error occurred in the SAX parser. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06319-I	Processing ended normally.	Processing ended normally.
KAPM06321-E	The "*bb...bb*" file to be used by "*aa...aa*" does not exist. *aa...aa*: Command name, class name, etc. *bb...bb*: Name of the file that does not exist	The *bb...bb* file to be used by *aa...aa* does not exist. Check whether the file is in the specified location.
KAPM06322-E	An SQL exception occurred.	An SQL exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06323-I	Execution of the "*aa...aa*" command ended normally. *aa...aa*: Command name	Execution of the *aa...aa* command ended normally.
KAPM06324-E	An attempt to execute the "*aa...aa*" command has failed. *aa...aa*: Command name	An attempt to execute the *aa...aa* command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06325-I	HiRDB was started.	HiRDB was started.
KAPM06326-E	HiRDB was not started.	HiRDB was not started. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06327-I	HiRDB was stopped.	HiRDB was stopped.
KAPM06328-E	HiRDB was not stopped.	HiRDB was not stopped. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06330-I	*aa...aa* processing started. *aa...aa*: Method name	*aa...aa* processing started.
KAPM06331-I	*aa...aa* processing finished. *aa...aa*: Method name	*aa...aa* processing finished.
KAPM06332-E	The database of the specified product has not been set up.	The database of the specified product has not been set up.

Message ID	Message Text	Description
		Use the `hcmdsdbsetup` command to set up the database of the specified product.
KAPM06333-E	HiRDB cannot be stopped because a Suite product is connected to HiRDB.	HiRDB cannot be stopped because a Suite product is connected to HiRDB. Stop the Suite product that is connected to HiRDB, and then try again.
KAPM06334-E	InterBase is not running.	InterBase is not running. Check whether InterBaseServer is running. For details, check `hcmdsdbconvert[n].log`.
KAPM06335-E	The DBMS has not started.	The DBMS has not started. Check whether DBMS is running. For details, check `hcmdsdbconvert[n].log`.
KAPM06336-E	Authentication has failed at InterBase.	Authentication has failed at InterBase. Specify the correct user ID and password. For details, check `hcmdsdbconvert[n].log`.
KAPM06337-E	Authentication has failed in the DBMS.	Authentication has failed in the DBMS. Specify the correct user ID and password. For details, check `hcmdsdbconvert[n].log`.
KAPM06338-E	An unexpected exception occurred.	An unexpected exception occurred. Check `hcmdsdbconvert[n].log`.
KAPM06339-E	An unexpected exception occurred.	An unexpected exception occurred. Check `hcmdsdbconvert[n].log`.
KAPM06340-E	Memory is insufficient.	Memory is insufficient. Check `hcmdsdbinitsetup[n].log`.
KAPM06341-E	The DBMS environment already exists.	The DBMS environment already exists. Check `hcmdsdbinitsetup[n].log`.
KAPM06342-E	Free disk space is insufficient.	Free disk space is insufficient. Check the operating environment for the disk capacity. If necessary, free up some disk space. For details, check `hcmdsdbinitsetup[n].log`.
KAPM06343-E	An error occurred in the system definition entry file.	An error occurred in the system definition entry file. Check `hcmdsdbinitsetup[n].log`.
KAPM06344-E	The port is already being used.	The port is already being used. Check `hcmdsdbinitsetup[n].log`.

Message ID	Message Text	Description
KAPM06345-E	An unexpected exception occurred.	An unexpected exception occurred. Check `hcmdsdbinitsetup[`*n*`].log`.
KAPM06346-E	The file "*aa...aa*" already exists. *aa...aa*: File name	The file *aa...aa* already exists. If the target file is `hcmdsdbsetRDArea.ini`, a database might already exist at the specified database creation destination. If such a database exists, change the database creation destination, and then perform setup again. If such a database does not exist, delete the file indicated by *aa...aa*, and then perform setup again.
KAPM06347-W	The specified file system area "*aa...aa*" already existed, so it was deleted. *aa...aa*: File system area	The specified file system area *aa...aa* already existed, so it was deleted.
KAPM06348-I	The database was created successfully.	The database was created successfully.
KAPM06349-E	An attempt to create the database has failed.	An attempt to create the database has failed.
KAPM06350-I	The database was deleted successfully.	The database was deleted successfully.
KAPM06351-E	An attempt to delete the database has failed.	An attempt to delete the database has failed.
KAPM06352-E	Directory creation has failed. (directory = *aa...aa*) *aa...aa*: Directory name	Directory creation has failed. Revise the creation destination of the database. If necessary, change the creation destination of the database, and then perform the setup again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06353-I	Set up the database again.	Set up the database again.
KAPM06354-E	There are no parameter definition files in the specified directory. Specify a directory that contains a parameter definition file.	No parameter definition files (files that can be used to set up a database) are in the directory specified for the `prmfile` option of the `hcmdsdbsetup` command. Specify a directory that contains a parameter definition file for the `prmfile` option, and then re-execute the command.

Message ID	Message Text	Description
KAPM06355-W	Database unsetup processing failed. (product name = *aa...aa*) *aa...aa*: Product name	This message is output when unsetup fails for the product specified in the `type` option of the `hcmdsdbsetup` command. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06356-W	A database has not been set up for the specified product. (product name = *aa...aa*) *aa...aa*: Product name	This message is output when a database is not set up for the product specified in the `type` option of the `hcmdsdbsetup` command.
KAPM06357-I	The database was successfully unsetup. (product name = "*aa...aa*") *aa...aa*: Product name	The specified product database was unsetup.
KAPM06358-I	The initial unsetup processing succeeded.	The initial unsetup processing was successful.
KAPM06359-W	The initial unsetup processing failed.	The initial unsetup processing failed.
KAPM06360-W	Deletion of the RD area failed. (RD area file = *aa...aa*) *aa...aa*: RD area file name	Deletion of the RD area failed. If another database exists at the database creation destination, delete it.
KAPM06361-I	The method was executed. (method name = *aa...aa*, return code = *bb...bb*) *aa...aa*: Method name *bb...bb*: Return code	The method was executed.
KAPM06362-E	Acquisition of the name of a set up product failed.	Acquisition of the name of a set up product failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06363-I	The service is stopped.	The service is stopped.
KAPM06364-I	The service is running.	The service is running.
KAPM06365-I	The service is starting.	The service is starting.
KAPM06366-I	The service is stopping.	The service is stopping.
KAPM06367-I	The service is now being resumed.	The service is now being resumed.
KAPM06368-I	The service is now being paused.	The service is now being paused.

Message ID	Message Text	Description
KAPM06369-I	The service is paused.	The service is paused.
KAPM06370-I	The service does not exist.	The service does not exist.
KAPM06371-W	The service is disabled.	The service is disabled.
KAPM06372-W	Acquisition of the service status failed.	Acquisition of the service status failed.
KAPM06373-W	The service status is currently unknown.	The service status is currently unknown.
KAPM06374-I	Execution of the "*aa...aa*" command ended successfully. (return code = *bb...bb*) *aa...aa*: Command name *bb...bb*: Return code	Execution of the "*aa...aa*" command ended successfully. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM06375-E	Execution of the "*aa...aa*" command failed. (return code = *bb...bb*) *aa...aa*: Command name *bb...bb*: Return code	Execution of the "*aa...aa*" command failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM06376-E	Failed to specify the permission settings. (path = *aa...aa*) *aa...aa*: Path	Failed to specify the permission settings. Try the operation again. If the problem cannot be resolved, check and, if necessary, revise the file system of the path.
KAPM06377-E	Failed to specify the permission settings.	Failed to specify the permission settings. Try the operation again. If the problem cannot be resolved, detailed investigation is required to determine the cause and solve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06378-E	The specified directory name already exists as a file name. (file name = *aa...aa*) *aa...aa*: File name	The specified directory name already exists as a file name. Change the specified directory name.
KAPM06379-E	The directory name exceeds 136 characters.	The directory name exceeds 136 characters. Specify a directory name that is no more than 136 characters.
KAPM06381-E	An attempt to set up the unload function has failed.	An attempt to set up the unload function has failed.

Message ID	Message Text	Description
		Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06382-E	The unload function is enabled in another product.	The unload function is enabled in another product. Specify the setting using a product in which the unload function is enabled.
KAPM06383-E	The format of the unload function file is invalid.	The format of the unload function file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06384-E	The directory specified in the option is invalid. (directory = *aa...aa*) *aa...aa*: Directory name	The directory specified in the option is invalid. Do the following: • Make sure that an absolute path is specified. • Make sure that you can access the directory. • Make sure that you have access permission for the directory.
KAPM06385-E	Creation of the directory failed. (directory = *aa...aa*) *aa...aa*: Directory name	Creation of the directory failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06386-E	Command *aa...aa* returned the value *bb...bb*. The error message is *cc...cc*. *aa...aa*: Command name *bb...bb*: Return code *cc...cc*: Error message	Command *aa...aa* returned the value *bb...bb*. The error message is *cc...cc*. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM06396-E	"*aa...aa*":"*bb...bb*" *aa...aa*: Command name *bb...bb*: Message	Message for debugging.
KAPM06398-E	"*aa...aa*" *aa...aa*: Message	Message for debugging.

Message ID	Message Text	Description
KAPM06399-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06403-E	An exception occurred.	An exception occurred. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06404-E	The file "*aa...aa*" could not be read. *aa...aa*: File name	The file "*aa...aa*" could not be read. Confirm that the file exists, that the file is not in use, and that the make directory of the file is correct.
KAPM06405-I	Processing ended normally.	Processing ended normally.
KAPM06407-E	The "*bb...bb*" file to be used by "*aa...aa*" does not exist. *aa...aa*: Command name, class name, etc. *bb...bb*: Name of the file that does not exist	The *bb...bb* file to be used by *aa...aa* does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06408-I	Execution of the "*aa...aa*" command ended normally. *aa...aa*: Command name	Execution of the *aa...aa* command ended normally.
KAPM06409-E	An attempt to execute the "*aa...aa*" command has failed. *aa...aa*: Command name	An attempt to execute the *aa...aa* command has failed.
KAPM06410-I	The setup status is "not set up".	The setup status is "not set up".
KAPM06411-I	The setup status is "stand-alone".	The setup status is "stand-alone".
KAPM06412-I	The setup status is "active system".	The setup status is "active system".
KAPM06413-I	The setup status is "standby system".	The setup status is "standby system".
KAPM06414-E	The option specification is incorrect.	The option specification is incorrect. Review and, if necessary, revise the option specification.
KAPM06429-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06433-E	An exception occurred.	An exception occurred. See the following message KAPM49001-E for details. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06434-I	Processing ended normally.	Processing ended normally.
KAPM06436-E	An attempt to execute the "*aa...aa*" command has failed. *aa...aa*: Command name	An attempt to execute the *aa...aa* command has failed.
KAPM06437-E	The option(s) specified is insufficient.	The option(s) specified is insufficient. Please review the specification of the option.
KAPM06438-I	The HiRDB service has started.	The HiRDB service has started.
KAPM06439-I	The HiRDB service has stopped.	The HiRDB service has stopped.
KAPM06440-I	The HiRDB service has already started.	The HiRDB service has already started.
KAPM06441-I	The HiRDB service has already stopped.	It is already stopped by HiRDB service.
KAPM06442-E	The HiRDB service has not been set up.	The HiRDB service has not been set up. For products that use the DBMS: Confirm that the product is properly installed, and then take action as necessary. Even after taking action, if the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For products that do not use the DBMS (JP1/PFM-MWO): There is no effect on the behavior of these products.
KAPM06443-E	An attempt to start the HiRDB service has failed.	An attempt to start the HiRDB service has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06444-E	An attempt to stop the HiRDB service has failed.	An attempt to stop the HiRDB service has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06445-E	HiRDB cannot be stopped because a Suite product is connected to HiRDB.	HiRDB cannot be stopped because a Suite product is connected to HiRDB. HiRDB cannot be stopped because a Hitachi Command Suite product is connected to it. Stop the Hitachi Command Suite product connected to HiRDB, and then retry the operation. Even after retrying the operation, if the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06459-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06470-I	The hcmdsdbconnectcheck command will now start.	The `hcmdsdbconnectcheck` command started.
KAPM06471-I	Now checking the HiRDB connection... (number of executions = *aa...aa*, specified number of executions = *bb...bb*) *aa...aa*: Number of executions *bb...bb*: Specified number of executions	Now checking the HiRDB connection... (number of executions = *aa...aa*, specified number of executions = *bb...bb*)
KAPM06472-I	HiRDB can be connected to.	HiRDB can be connected to.
KAPM06473-I	The hcmdsdbconnectcheck command will now end.	The `hcmdsdbconnectcheck` command will now end.
KAPM06474-E	A connection with HiRDB could not be confirmed.	A connection with HiRDB could not be confirmed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06475-E	The hcmdsdbconnectcheck command could not be executed successfully.	The `hcmdsdbconnectcheck` command could not be executed successfully. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM06476-E	An option is invalid.	An option is invalid.
KAPM06477-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06501-I	The method has started.	The method has started.
KAPM06502-I	The method has finished.	The method has finished.
KAPM06503-E	The option is invalid.	The option is invalid. Specify the option correctly.
KAPM06504-E	A specified option is insufficient.	A specified option is insufficient. Specify the option correctly.
KAPM06505-E	The value specified in the option is invalid. (option = *aa...aa*) *aa...aa*: Option name	The value specified in the option is invalid. Check the specified value of the option.
KAPM06506-E	The specified directory cannot be created. (directory = *aa...aa*) *aa...aa*: Directory	The specified directory cannot be created. Make sure that you have write permission for the directory.
KAPM06507-E	The specified directory already exists as a file. (file = *aa...aa*) *aa...aa*: File name	The specified directory already exists as a file. Specify another directory name.
KAPM06508-E	The specified value is invalid. (value = *aa...aa*) *aa...aa*: Specified value	The specified value is invalid. Specify a valid value.
KAPM06509-E	The file *aa...aa* does not exist. *aa...aa*: File name	The file *aa...aa* does not exist. Confirm that there are no errors in the file specification. If there are no errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06510-E	The directory *aa...aa* does not exist.	The directory *aa...aa* does not exist.

Message ID	Message Text	Description
	aa...aa: Directory name	Confirm that there are no errors in the directory specification. If there are no errors, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06511-E	The file *aa...aa* already exists. *aa...aa*: File name	The file *aa...aa* already exists. Delete the file, or move to another directory.
KAPM06512-E	The directory *aa...aa* already exists. *aa...aa*: Directory name	The directory *aa...aa* already exists. Specify another directory.
KAPM06513-E	Command *aa...aa* returned the value *bb...bb*. The error message is *cc...cc*. *aa...aa*: Command name *bb...bb*: Return code *cc...cc*: Error message	Command *aa...aa* returned the value *bb...bb*. The error message is *cc...cc*. Confirm that the value specified for the option is correct. If the value is correct, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06514-I	Processing ended normally.	Processing ended normally.
KAPM06515-E	An IOException occurred. (details = *aa...aa*) *aa...aa*: Exception details	An IOException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06516-E	An exception occurred. (details = *aa...aa*) *aa...aa*: Exception details	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06517-E	A NullPointerException occurred. (details = *aa...aa*) *aa...aa*: Exception details	A NullPointerException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06518-E	HiRDB has not been installed.	HiRDB has not been installed. Make sure that HiRDB is installed. When a product of HiCommand 4.0 or later is installed, HiRDB is automatically installed.
KAPM06519-E	An error occurred while executing the hcmdsdbmode command.	An error occurred while executing the `hcmdsdbmode` command.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06520-E	HiRDB has not started.	HiRDB has not started. Start HiRDB.
KAPM06521-E	The RD area for *aa...aa* has not been set up. *aa...aa*: Product name	The RD area for *aa...aa* has not been set up. In the `type` option, specify the installed product name.
KAPM06522-E	There is no RD area in the system.	There is no RD area in the system. Make sure that the Hitachi Command Suite product has been installed.
KAPM06523-I	The hcmdsdbmove command has started.	The `hcmdsdbmove` command has started.
KAPM06524-I	Initialization for moving the database is being performed.	Initialization for moving the database is being performed.
KAPM06525-I	The data for *aa...aa* will now be moved. *aa...aa*: Product name	The data for *aa...aa* will now be moved.
KAPM06526-I	Processing to import data has started.	Processing to import data has started.
KAPM06527-I	The table definitions of the database are being imported.	The table definitions of the database are being imported.
KAPM06528-I	The data is being imported.	The data is being imported.
KAPM06529-I	The database procedures are being imported.	The database procedures are being imported.
KAPM06530-I	Processing to import data has ended.	Processing to import data has ended.
KAPM06531-I	Processing to export data has started.	Processing to export data has started.
KAPM06532-I	The table definitions of the database are being exported.	The table definitions of the database are being exported.
KAPM06533-I	The data is being exported.	The data is being exported.
KAPM06534-I	The database procedures are being exported.	The database procedures are being exported.
KAPM06535-I	Processing to export data has ended.	Processing to export data has ended.
KAPM06536-I	The data is being imported. (progress = *aa...aa*/*bb...bb*) *aa...aa*: Amount of imported data	The data is being imported.

Message ID	Message Text	Description
	bb...bb: Total amount of data to be imported	
KAPM06537-I	The data is being exported. (progress = *aa...aa*/*bb...bb*) *aa...aa*: Amount of exported data *bb...bb*: Total amount of data to be exported	The data is being exported.
KAPM06540-I	The view is being imported.	The view is being imported.
KAPM06541-I	The view is being exported.	The view is being exported.
KAPM06542-E	The data to be imported to *aa...aa* is not in the directory in the datapath option. *aa...aa*: The product for which the data to be imported cannot be found.	When the `import` option was specified in the `hcmdsdbmove` command, the data to be imported from the product displayed in the message was not in the directory specified by the `datapath` option. Please check that the data to be imported exists in the directory specified by the `datapath` option. Also, if import data of multiple products exists in different directories, specify the `type` option, and then import the data for each product one product at a time.
KAPM06543-I	The database was exported successfully.	The database was exported successfully.
KAPM06544-E	An attempt to export the database has failed.	An attempt to export the database has failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06545-I	The database was imported successfully.	The database was imported successfully.
KAPM06546-E	An attempt to import the database has failed.	An attempt to import the database has failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06548-E	An attempt to delete a table definition from the database failed.	An attempt to delete a table definition from the database failed.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06549-E	An attempt to defragment the database failed.	An attempt to defragment the database failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06570-E	An option is invalid.	This message is displayed when the format of the specified option is invalid. Specify a valid option, and then try again.
KAPM06571-E	The specified options are insufficient.	This message is displayed when a required option is not specified or an unnecessary option is specified. Specify a valid option, and then try again.
KAPM06572-E	The specified option value is invalid.	This message is displayed when the specified value of the option is invalid. Specify a valid option value, and then try again.
KAPM06573-E	The specified directory name already exists as a file name. (file name = *aa...aa*) *aa...aa*: File name	This message is displayed when the directory name specified in the command option already exists as a file. Specify a valid option value, and then try again.
KAPM06574-E	The directory name exceeds *aa...aa* characters. *aa...aa*: Length of directory name (number of characters)	This message is displayed when the length (number of characters) of the directory name specified in the option exceeds the maximum. Specify a valid option value, and then try again.
KAPM06575-E	The same value cannot be specified for the databasepath and exportpath parameters.	This message is displayed when the character strings specified for the `databasepath` and `exportpath` parameters are the same. Specify a different directory name, and then try again.
KAPM06576-E	An attempt to acquire the key name has failed.	This message is displayed when a required property has not been set in the cluster settings file. Make sure the contents of the cluster settings file are correct.

Message ID	Message Text	Description
KAPM06577-E	An attempt to acquire a value has failed.	This message is displayed when a value has not been set correctly in the cluster settings file. Make sure the values in the cluster settings file are correct.
KAPM06578-E	The cluster settings file was not found.	This message is displayed when there is no cluster settings file in the `conf` directory. Make sure that `cluster.conf` is in the `conf` directory.
KAPM06579-E	The value of hcmds.home cannot be acquired.	This message is displayed when `hcmds.home` has not been set in the system properties. Make sure that `hcmds.home` has been set in the system properties.
KAPM06580-E	An attempt to clear a DBMS environment variable has failed.	This message is displayed when an attempt to delete the DBMS client environment variable has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06581-E	The DBMS has not stopped.	This message is displayed when the DBMS did not stop when the command was executed. Before executing a command, stop the DBMS service.
KAPM06582-E	An attempt to load the file has failed. (file = *aa...aa*) *aa...aa*: File name	This message is displayed when an attempt to load the file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06583-E	An attempt to write to the file has failed. (file = *aa...aa*) *aa...aa*: File name	This message is displayed when an attempt to write to the file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06584-I	Processing to export data was successful.	This message is displayed when data was exported successfully.
KAPM06585-I	Re-creation of the database was successful.	This message is displayed when the database was re-created successfully.
KAPM06586-I	Processing to import data was successful.	This message is displayed when data was imported successfully.

Message ID	Message Text	Description
KAPM06587-E	An attempt to export data has failed.	This message is displayed when an attempt to export data has failed. Remove the cause of the failure, and then try again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06588-E	An attempt to re-create the database has failed.	This message is displayed when an attempt to re-create the database has failed. Remove the cause of the failure, and then try again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06589-E	An attempt to import data has failed.	This message is displayed when an attempt to import data has failed. Remove the cause of the failure, and then try again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06590-I	Processing ended normally.	This message is displayed when command execution ended normally.
KAPM06591-E	The data to be imported was not found in the specified directory.	This message is displayed when the data to be imported could not be found in the specified directory. Specify the directory to which the data was exported, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06592-E	The data to be imported to *aa...aa* is not in the directory specified in the exportpath option. *aa...aa*: The product that the import data could not be found.	The data to be imported of the product displayed in the message is not in the directory specified for the `exportpath` option. Please confirm to exist an import data in the directory specified by the `exportpath` option.
KAPM06593-I	*aa...aa* *aa...aa*: Standard error output	The message content is the standard error output when the command is executed.

Message ID	Message Text	Description
		Take action according to the message that was output either before or after this message.
KAPM06600-I	Entered parameter: *aa...aa* *aa...aa*: Parameter entered by the user	Entered parameter.
KAPM06601-I	User ID = *aa...aa*, application = *bb...bb*, permissions = *cc...cc* *aa...aa*: User ID of the target user *bb...bb*: Target application *cc...cc*: Permission set by the target user	User ID = *aa...aa*, application = *bb...bb*, permissions = *cc...cc*
KAPM06602-E	A specified parameter is invalid.	A specified parameter is invalid. Check the specified parameter.
KAPM06603-E	An attempt to read the file has failed. (file = *aa...aa*) *aa...aa*: Absolute path of the file	An attempt to read the file has failed. Make sure the file exists on the specified path *aa...aa*.
KAPM06604-E	The database has not started.	The database has not started. Make sure the database has started.
KAPM06605-E	An attempt to communicate with the server or database has failed.	An attempt to communicate with the server or database has failed. Make sure the following have started: the HBase Storage Mgmt Common Service or HBase Storage Mgmt Web Service, and the database.
KAPM06606-E	An error has occurred.	An error has occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06609-I	The command ended normally.	The command ended normally.
KAPM06610-E	An option specification is invalid.	An option specification is invalid. Specify a valid option as shown in the message, and then execute the command.
KAPM06611-E	An attempt to load the hsso.conf file has failed.	An attempt to load the `hsso.conf` file has failed. Make sure the host name in `hsso.conf` is correct.
KAPM06612-E	Authentication has failed.	Authentication has failed. Make sure that the user name and password are correct.

Message ID	Message Text	Description
		If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06613-W	Authentication data was not found in the repository.	Authentication data was not found in the repository.
KAPM06614-E	An attempt to communicate with SSO Server has failed.	An attempt to communicate with SSO Server has failed. Perform one of the following procedures: 1. For a distributed environment: If you executed the command from the primary side, make sure that the single sign-on server on the primary side is running. If you executed the command from the secondary side, make sure that the single sign-on server on the primary side is running. If the single sign-on server on the primary side is not running, start it, and then restart the single sign-on server on the secondary side. If the single sign-on server on the primary side is running, make sure that the single sign-on server on the secondary side is running. 2. For a non-distributed environment: Make sure that the single sign-on server is running. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06640-E	A fatal error occurred during processing.	A fatal error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06641-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM06642-E	An error occurred during file input.	An error occurred during file input. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06643-E	An attempt to acquire file information has failed.	An attempt to acquire file information has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06644-E	An option is invalid. Code=[*aa...aa*], Data=[*bb...bb*] *aa...aa*: Code indicating the error location *bb...bb*: Problematic option and its value	An option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06645-I	hcmdsdbpath [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The options specified for the command are displayed.
KAPM06654-E	The specified backup directory is invalid. Path=[*aa...aa*], Code=[*bb...bb*] *aa...aa*: Path to the backup directory *bb...bb*: Code indicating the error location	The backup directory specified for the `backupsdir` option is invalid. For the `backupsdir` option, specify the directory specified for the output destination of the `hcmds64backups` command.
KAPM06659-E	*aa...aa* *aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object	Detailed information for KAPM*xxxxx*-E. This indicates the thrown exception object and the backtrace for that object. See the message KAPM*xxxxx*-E.
KAPM06665-I	The DBMS has started.	The DBMS has started.
KAPM06666-I	The DBMS has stopped.	The DBMS has stopped.
KAPM06667-I	*aa...aa* processing has started. *aa...aa*: Processing name	Processing has started.
KAPM06668-I	*aa...aa* processing has finished. *aa...aa*: Processing name	Processing has finished.

Message ID	Message Text	Description
KAPM06669-E	An argument contains a null value.	An argument contains a null value. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06670-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06671-E	The specified value is invalid. (value = *aa...aa*) *aa...aa*: Value	The specified value is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06672-E	Execution of the command *aa...aa* has failed. *aa...aa*: Command name	Execution of the command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06673-E	The DBMS did not start.	The DBMS did not start. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06674-E	The DBMS did not stop.	The DBMS did not stop. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06675-I	The DBMS has not been set up	The DBMS has not been set up
KAPM06676-I	The database of the specified product has not been set up.	The database of the specified product has not been set up.
KAPM06679-E	The value of hcmds.home cannot be acquired.	The value of `hcmds.home` cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06683-E	"*aa...aa*":"*bb...bb*" *aa...aa*: Command name	Message for debugging.

Message ID	Message Text	Description
	bb...bb: Message	
KAPM06689-E	Processing has terminated abnormally. (processing name = *aa...aa*) *aa...aa*: Processing name	Processing has terminated abnormally. (processing name = *aa...aa*) To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06690-E	The file hcmdsdbsetRDArea.ini does not exist.	The file `hcmdsdbsetRDArea.ini` does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06691-E	An error occurred during file I/O processing.	An error occurred during file I/O processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06692-W	Execution of the command *aa...aa* has failed. *aa...aa*: Command name	Execution of the command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06700-I	The hcmdsscmquery command started.	The `hcmdsscmquery` command started.
KAPM06701-I	The hcmdsscmquery command ended successfully.	The `hcmdsscmquery` command ended successfully.
KAPM06702-E	The hcmdsscmquery command failed.	The `hcmdsscmquery` command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06703-I	The *aa...aa* function started. *aa...aa*: Function name	The function started.
KAPM06704-I	The *aa...aa* function ended. *aa...aa*: Function name	The function ended.
KAPM06705-E	Acquisition of the installation path failed.	Acquisition of the installation path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM06706-E	One or more options are invalid.	One or more options are invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06707-E	Allocation of memory to store the log file path failed.	Allocation of memory to store the log file path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06708-E	Log initialization failed.	Log initialization failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06709-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06710-I	The service is stopped.	The service is stopped.
KAPM06711-I	The service is running.	The service is running.
KAPM06712-I	The service is starting.	The service is starting.
KAPM06713-I	The service is stopping.	The service is stopping.
KAPM06714-I	The service is now being resumed.	The service is now being resumed.
KAPM06715-I	The service is now being paused.	The service is now being paused.
KAPM06716-I	The service is paused.	The service is paused.
KAPM06717-I	The service does not exist.	The service does not exist.
KAPM06718-I	The service is disabled.	The service is disabled.
KAPM06719-E	The service status is currently unknown.	The service status is currently unknown.
KAPM06720-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM06721-I	The hcmdsscmquery command ended.	The `hcmdsscmquery` command ended.
KAPM06722-E	An error occurred in the Win32 API.. (API name = *aa...aa*, error code = *bb...bb*) *aa...aa*: API name *bb...bb*: Error code	An error occurred in the Win32 API. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06723-I	The service name is *aa...aa*. *aa...aa*: Service name	The name of the service currently processing
KAPM06753-E	A property value in the installation information file is invalid. (*aa...aa*) *aa...aa*: Property value	A property value in the installation information file is invalid. Check the contents of the installation information file.
KAPM06760-I	A method has started.	A method has started.
KAPM06761-I	A method has finished.	A method has finished.
KAPM06762-I	The hcmds64ssltool command has started.	The `hcmds64ssltool` command has started.
KAPM06763-I	The hcmds64ssltool command has ended.	The `hcmds64ssltool` command has ended.
KAPM06764-I	The hcmds64ssltool command ended successfully.	The `hcmds64ssltool` command ended successfully.
KAPM06765-E	An option is invalid.	An option is invalid. Check the options.
KAPM06766-E	Creation of a private key failed.	Creation of a private key failed. Check the file output location and the specified distinguished name, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06767-E	Creation of a self-signed certificate failed.	Creation of a self-signed certificate failed. Check the file output location and the specified distinguished name, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer

Message ID	Message Text	Description
		support, who may ask you to collect troubleshooting information.
KAPM06768-E	Creation of a CSR failed.	Creation of a CSR failed. Check the file output location and the specified distinguished name, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06769-E	Creation of a certificate content file failed.	Creation of a certificate content file failed. Check the file output location and the specified distinguished name, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06770-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06771-W	Failed to delete a key store.	Failed to delete a key store.
KAPM06772-E	No value has been specified for an option.	No value has been specified for an option. Check the options.
KAPM06773-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06774-E	The hcmds.home value cannot be acquired.	The `hcmds.home` value cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06775-E	Analysis of binary data failed. (position = *aa...aa*,part = *bb...bb*)	Analysis of binary data failed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
	aa...aa: Position *bb...bb*: Part	required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06776-E	The keytool command failed.	The `keytool` command failed. Take action according to the content of the following messages: • KAPM06766-E • KAPM06767-E • KAPM06768-E • KAPM06769-E
KAPM06777-I	The keytool command has ended.(Return code = *aa...aa*) *aa...aa*: Return code	The `keytool` command has ended.
KAPM06778-E	A specified path already exists as a file or directory. (path = *aa...aa*) *aa...aa*: path	A specified path already exists as a file or directory. Specify a different path, or delete the file or directory specified in the path, and try again.
KAPM06780-I	Enter Server Name [default=*aa...aa*]: *aa...aa*: Host name	Enter Server Name.
KAPM06781-I	Enter Organizational Unit:	Enter Organizational Unit.
KAPM06782-I	Enter Organization Name [default=*aa...aa*]: *aa...aa*: Host name	Enter Organization Name.
KAPM06783-I	Enter your City or Locality:	Enter your City or Locality:
KAPM06784-I	Enter your State or Province:	Enter your State or Province.
KAPM06785-I	Enter your two-character country-code:	Enter your two-character country-code.
KAPM06786-I	Is *aa...aa* correct? (y/n) [default=n]: *aa...aa*: Distinguished name	The Distinguished Name is confirmed.
KAPM06787-E	Creation of a distinguished name failed.	Creation of a distinguished name failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06788-W	The host name cannot be acquired.	The host name cannot be acquired.
KAPM06790-E	An IllegalArgumentException occurred.	An IllegalArgumentException occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06791-E	An IOException occurred.	An IOException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06792-E	A HBaseDeleteFileException occurred.	A HBaseDeleteFileException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06793-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06794-E	A KeyStoreException occurred.	A KeyStoreException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06795-E	A CertificateException occurred.	A CertificateException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06796-E	An UnrecoverableKeyException occurred.	An UnrecoverableKeyException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06797-E	A NoSuchAlgorithmException occurred.	A NoSuchAlgorithmException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06799-I	*aa...aa* *aa...aa*: Debug information	This message contains debug information.

Message ID	Message Text	Description
KAPM06800-I	The trigger is being imported.	The trigger is being imported.
KAPM06801-I	The trigger is being exported.	The trigger is being exported.
KAPM06810-I	*aa...aa* *aa...aa*: Standard error output	The message content is the standard error output when the command is executed. Take action according to the message that was output either before or after this message.
KAPM06811-I	hcmds64authmove [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The options specified for the command are displayed.
KAPM06901-I	The service was started successfully.	This message is displayed when the service starts successfully. However, if the HiCommand version is earlier than 5.7, you might need to start some of the services manually because they do not start automatically.
KAPM06902-I	Processing to stop the service has started.	This message is displayed when processing to stop the service starts.
KAPM06903-I	The service was stopped successfully.	This message is displayed when the service stops successfully.
KAPM06904-I	Processing to start the DBMS has started.	This message is displayed when processing to start the DBMS starts.
KAPM06905-I	The DBMS was started successfully.	This message is displayed when the DBMS starts successfully.
KAPM06906-I	Processing to stop the DBMS has started.	This message is displayed when processing to stop the DBMS starts.
KAPM06907-I	The DBMS was stopped successfully.	This message is displayed when the DBMS stops successfully.
KAPM06908-E	An attempt to start the service has failed.	This message is displayed when an attempt to start the service fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06909-E	An attempt to stop the service has failed.	This message is displayed when an attempt to stop the service fails. Stop any suite products connected to the DBMS, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the

Message ID	Message Text	Description
		customer support, who may ask you to collect troubleshooting information.
KAPM06910-E	An attempt to start the DBMS has failed.	This message is displayed when an attempt to start the DBMS fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06911-E	An attempt to stop the DBMS has failed.	This message is displayed when an attempt to stop the DBMS fails. Stop any suite products connected to the DBMS, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06912-E	An attempt to start the service or the DBMS has failed.	This message is displayed when an attempt to start the service or the DBMS fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06913-E	An attempt to stop the service or the DBMS has failed.	This message is displayed when an attempt to stop the service or the DBMS fails. Stop any suite products connected to the DBMS, and then retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06914-E	The database has not been initialized.	The database has not been initialized. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06915-E	An attempt to release the connection of the connection pool has failed.	This message is displayed when an attempt to release the connection of the connection pool fails. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM06916-I	hcmds64dbclustersetup [*aa...aa*]{,[*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The message displays the options specified for the `hcmds64dbclustersetup` command.
KAPM06917-E	Copying of the unload function file failed.	Copying of the unload function file failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06920-W	Log initialization failed.	Log initialization failed. If the problem occurs frequently, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06921-E	A memory allocation error occurred.	A memory allocation error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06922-E	The *aa...aa* command will stop because setting an environment variable failed. (details = *bb...bb*) *aa...aa*: Command name *bb...bb*: Details	The specified command stopped because setting an environment variable failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06923-E	The *aa...aa* command will stop because internal processing failed. (details = *bb...bb*) *aa...aa*: Command name *bb...bb*: Details	The specified command stopped because internal processing failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM06924-E	An error occurred in an internal function. (function = *aa...aa*, error code = *bb...bb*) *aa...aa*: Function *bb...bb*: Error code	An error occurred in an internal function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06925-E	A system environment variable is invalid.	A system environment variable was invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM06926-E	The *aa...aa* command will stop because setting an environment variable failed. (details = *bb...bb*) *aa...aa*: Command name *bb...bb*: Details	The specified command stopped because setting an environment variable failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06927-E	The *aa...aa* command will stop because internal processing failed. (details = *bb...bb*) *aa...aa*: Command name *bb...bb*: Details	The specified command stopped because internal processing failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06932-W	Failed to initialize a log.	Failed to initialize a log. If the problem occurs frequently, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM06933-E	An error occurred in an internal function. (function called = *aa...aa*, function executed = *bb...bb*, notes = *cc...cc*, error code = *dd...dd*) *aa...aa*: Function called *bb...bb*: Function executed *cc...cc*: Notes *dd...dd*: Error code	An error occurred in an internal function. Take action according to the messages that appear.

Message ID	Message Text	Description
KAPM06934-E	Failed to create a mutex object.	Failed to create a mutex object. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM06935-E	Failed to release a mutex object.	Failed to release a mutex object. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM06936-E	Failed to lock a file.	Failed to lock a file. Wait a while, and then try again.
KAPM06937-E	Failed to release a file lock.	Failed to release a file lock. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM06938-E	Failed to open a file. (file path = *aa...aa*) *aa...aa*: File path	Failed to open a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM06939-E	Failed to close a file. (file path = *aa...aa*) *aa...aa*: File path	Failed to close a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM06940-E	Failed to set permissions for a file. (file path = *aa...aa*) *aa...aa*: File path	Failed to set permissions for a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM06941-E	Failed to acquire a file descriptor. (file path = *aa...aa*) *aa...aa*: File path	Failed to acquire a file descriptor. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM06942-E	Failed to acquire a mutex object.	Failed to acquire a mutex object. Wait a while, and then try again.

Message ID	Message Text	Description
KAPM07000-W	Update the current JavaScript to the latest version.	Update the current JavaScript to the latest version.
KAPM07001-E	The specified user cannot log in because the user does not have permission to access the manager screen.	The specified user cannot log in because the user does not have permission to access the manager screen. Log in as a user who has Hitachi Command Suite Common Component Administrator permissions.
KAPM07002-E	The application is not registered on the HSSO Server.	The application is not registered on the HSSO Server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07003-E	The user ID and/or password are not correct.	The user ID and/or password are not correct. Input the correct user ID and password.
KAPM07004-E	The executing user does not have permission to execute the method.	The executing user does not have permission to execute the method. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07005-E	The specified user does not exist.	The specified user does not exist. Confirm the user information.
KAPM07006-E	The specified user already exists.	The specified user already exists. Input a value other than the specified user name.
KAPM07007-E	This user has already been deleted.	This user has already been deleted. Confirm the user information.
KAPM07008-E	A problem occurred during processing.	A problem occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07009-E	A communication error occurred during processing.	A communication error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM07010-E	Null is specified for the argument.	Null is specified for the argument. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07011-E	A fatal error occurred during processing.	A fatal error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07012-E	The specified group does not exist.	The specified group does not exist. Confirm the group information.
KAPM07013-E	An attempt to register user information has failed, because a problem occurred during registration processing.	An attempt to register user information has failed, because a problem occurred during registration processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07014-E	An attempt to update user information has failed, because a problem occurred during update processing.	An attempt to update user information has failed, because a problem occurred during update processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07015-E	An attempt to delete user information has failed, because a problem occurred during deletion processing.	An attempt to delete user information has failed, because a problem occurred during deletion processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07016-E	An attempt to change the password has failed, because a problem occurred while processing the change.	An attempt to change the password has failed, because a problem occurred while processing the change. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM07017-E	A problem occurred during an attempt to acquire user information.	A problem occurred during an attempt to acquire user information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07018-E	A problem occurred during an attempt to acquire group information.	A problem occurred during an attempt to acquire group information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07019-I	The user information was successfully deleted.	The user information was successfully deleted.
KAPM07020-I	User ID *aa...aa* will be deleted. If deleted, this user will not be able to log on. Is this OK? *aa...aa*: User ID	User ID *aa...aa* will be deleted. If deleted, this user will not be able to log on. Is this OK?
KAPM07021-E	A problem occurred during an attempt to acquire HiCommand application information.	A problem occurred during an attempt to acquire Hitachi Command Suite application information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07022-E	An attempt to update HiCommand application information has failed, because a problem occurred during update processing.	An attempt to update Hitachi Command Suite application information has failed, because a problem occurred during update processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07023-I	HiCommand application information will now be updated.	Hitachi Command Suite application information will now be updated.
KAPM07024-E	A problem occurred during an attempt to acquire user application information.	A problem occurred during an attempt to acquire user application information. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM07025-E	An attempt to update user application information has failed, because a problem occurred during update processing.	An attempt to update user application information has failed, because a problem occurred during update processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07026-I	User application information will now be updated.	User application information will now be updated.
KAPM07027-W	The specified user application name already exists. application name = *aa...aa* *aa...aa*: Application name	The specified user application name already exists. Input a value other than the specified application name.
KAPM07028-E	Input Item:*aa...aa* This entry is required. Enter a value. *aa...aa*: Input item	This entry is required. Enter a value. Input a value.
KAPM07029-E	Input Item:*aa...aa* A character that cannot be used for this entry has been entered. *aa...aa*: Input item	A character that cannot be used for this entry has been entered. Use only characters that are valid for this item.
KAPM07030-E	Input Item:*aa...aa* The number of characters in this entry exceeds the maximum. *aa...aa*: Input item	The number of characters in this entry exceeds the maximum. Input a character string of a length less than or equal to the maximum.
KAPM07031-E	The password entries do not match.	The password entries do not match. Make sure that the values for the password and password confirmation input items are identical.
KAPM07032-E	Input Item:*aa...aa* Enter from 4 to 255 characters for this entry. *aa...aa*: Input item	Enter from 4 to 255 characters for this entry.
KAPM07033-W	The specified URL does not exist in the class. URL = *aa...aa* *aa...aa*: URL	The specified URL does not exist in the class. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07034-E	IllegalDataException occurred. (details = *aa...aa*) *aa...aa*: Details	IllegalDataException occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07035-E	The format of the specified URL is invalid. URL = *aa...aa* *aa...aa*: URL	The format of the specified URL is invalid. Check the entered URL. If necessary, enter the correct URL.
KAPM07036-I	The password will change. Is this OK?	The password will change. Is this OK?
KAPM07037-I	The password will change. Is this OK? After the password changes, you must log in again.	The password will change. Is this OK? After the password changes, you must log in again.
KAPM07038-E	Input Item:*aa...aa* The same value cannot be specified into these input items. *aa...aa*: Input item	The same value cannot be specified into these input items. Please reinput other values in an input item.
KAPM07230-I	The user was registered successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log showing that the user has been registered successfully.
KAPM07231-I	The user was deleted successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log showing that the user has been deleted successfully.
KAPM07232-I	The password was changed successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log showing that the password has been changed successfully.
KAPM07233-I	The user information was modified successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log showing that the user information has been modified successfully.

Message ID	Message Text	Description
KAPM07235-I	The user was locked successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log showing that the user has been locked successfully.
KAPM07236-I	The user was unlocked successfully. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log showing that the user has been unlocked successfully.
KAPM07237-E	The specified password does not satisfy the entry conditions. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log that shows that the password that doesn't meet the input requirement is specified.
KAPM07238-E	The specified e-mail is too long. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log that shows that the e-mail string that is too long is specified.
KAPM07239-E	The old password is incorrect. (operator = *aa...aa*, user ID = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Processed user ID *cc...cc*: Function name	This is an audit log that shows that the old password is incorrect.
KAPM07240-E	An attempt to execute the *aa...aa* operation has failed. (operator = *bb...bb*, user ID = *cc...cc*, function = *dd...dd*) *aa...aa*: Operation name *bb...bb*: Operator name *cc...cc*: Processed user ID *dd...dd*: Function name	This is an audit log that shows that the *aa...aa* process has failed.
KAPM07241-I	A user was registered successfully. (user ID = *aa...aa*) *aa...aa*: User ID	This audit log data indicates that a user was registered successfully.

Message ID	Message Text	Description
KAPM07242-E	Registration of a user has failed. (user ID = *aa...aa*) *aa...aa*: User ID	This audit log data indicates that registration of a user has failed.
KAPM07243-I	The user information was updated successfully. (user ID = *aa...aa*) *aa...aa*: User ID	This audit log data indicates that the user information was modified successfully.
KAPM07244-E	An attempt to update the user information has failed. (user ID = *aa...aa*) *aa...aa*: User ID	This audit log data indicates that an attempt to update the user information has failed.
KAPM07245-I	A user was deleted successfully. (user ID = *aa...aa*) *aa...aa*: User ID	This audit log data indicates that a user was deleted successfully.
KAPM07246-E	Deletion of a user has failed. (user ID = *aa...aa*) *aa...aa*: User ID	This audit log data indicates that deletion of a user has failed.
KAPM07247-I	The authorization group was added successfully. (operator = *aa...aa*, distinguished name = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Distinguished name *cc...cc*: Function name	This is an audit log that shows all the authorization groups that have been added successfully.
KAPM07248-E	An attempt to execute the *aa...aa* operation has failed. (operator = *bb...bb*, distinguished name = *cc...cc*, function = *dd...dd*) *aa...aa*: Operation name *bb...bb*: Operator name *cc...cc*: Distinguished name *dd...dd*: Function name	This is an audit log that shows the failed *aa...aa* processes.
KAPM07249-I	The authorization group was deleted successfully. (operator = *aa...aa*, distinguished name = *bb...bb*, function = *cc...cc*) *aa...aa*: Operator name *bb...bb*: Distinguished name *cc...cc*: Function name	This is an audit log that shows all the authorization groups that have been deleted successfully.
KAPM07250-I	The permissions were changed successfully. (operator = *aa...aa*, distinguished name = *bb...bb*, permissions = *cc...cc*) *aa...aa*: Operator name	This is an audit log that shows all the permissions that have been changed successfully.

Message ID	Message Text	Description
	bb...bb: Distinguished name *cc...cc*: Permissions after they were changed	
KAPM07251-I	The authorization group was registered successfully. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	This is an audit log that shows all the authorization groups that have been registered successfully.
KAPM07252-E	An attempt to register the authorization group has failed. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	This is an audit log that shows all the authorization groups that have failed to be registered.
KAPM07253-I	The authorization group was deleted successfully. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	This is an audit log that shows all the authorization groups that have been deleted successfully.
KAPM07254-E	An attempt to delete the authorization group has failed. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	This is an audit log that shows all the authorization groups that have failed to be deleted.
KAPM07255-I	The authorization group's permissions were changed successfully. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	This is an audit log that shows all the authorization group permissions that have been changed successfully.
KAPM07256-E	An attempt to change the authorization group's permissions has failed. (distinguished name = *aa...aa*) *aa...aa*: Distinguished name	This is an audit log that shows all the authorization group permissions that have failed to be changed.
KAPM07257-I	The resource group was successfully registered. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the resource group was successfully registered.
KAPM07258-E	Registration of the resource group failed. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that registration of the resource group failed.

Message ID	Message Text	Description
KAPM07259-I	The resource group was successfully deleted. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the resource group was successfully deleted.
KAPM07260-E	Deletion of the resource group failed. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that deletion of the resource group failed.
KAPM07261-I	The resource group was successfully updated. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the resource group was successfully updated.
KAPM07262-E	Updating of the resource group failed. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Resource group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that updating of the resource group failed.
KAPM07263-I	The user group was successfully registered. (resource group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: User group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the user group was successfully registered.
KAPM07264-E	Registration of the user group failed. (user group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: User group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the user group was successfully registered.

Message ID	Message Text	Description
KAPM07265-I	The user group was successfully deleted. (user group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: User group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the user group was successfully deleted.
KAPM07266-E	Deletion of the user group failed. (user group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: User group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that deletion of the user group failed.
KAPM07267-I	The user group was successfully updated. (user group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: User group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the user group was successfully updated.
KAPM07268-E	Updating of the user group failed. (user group name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: User group name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that updating of the user group failed.
KAPM07269-I	The role was successfully registered. (role name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the role was successfully registered.
KAPM07270-E	Registration of the role failed. (role name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that registration of the role failed.

Message ID	Message Text	Description
KAPM07271-I	The role was successfully deleted. (role name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the role was successfully deleted.
KAPM07272-E	Deletion of the role failed. (role name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that deletion of the role failed.
KAPM07273-I	The role was successfully updated. (role name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that the role was successfully updated.
KAPM07274-E	Updating of the role failed. (role name = *aa...aa*, device type = *bb...bb*, device number = *cc...cc*) *aa...aa*: Role name *bb...bb*: Device type *cc...cc*: Device number	This audit log entry shows that updating of the role failed.
KAPM07275-I	The user account was successfully assigned to the user group. (user group name = *aa...aa*, user ID = *bb...bb*) *aa...aa*: User group name *bb...bb*: User ID	This audit log entry shows that the user account was successfully assigned to the user group.
KAPM07276-E	The user account failed to be assigned to the user group. (user group name = *aa...aa*, user ID = *bb...bb*) *aa...aa*: User group name *bb...bb*: User ID	This audit log entry shows that the user account failed to be assigned to the user group.
KAPM07277-I	The permission was successfully assigned to the role. (role name = *aa...aa*, permission name = *bb...bb*) *aa...aa*: Role name *bb...bb*: Permission name	This audit log entry shows that the permission was successfully assigned to the role.

Message ID	Message Text	Description
KAPM07278-E	The permission failed to be assigned to the role. (role name = *aa...aa*, permission name = *bb...bb*) *aa...aa*: Role name *bb...bb*: Permission name	This audit log entry shows that the permission failed to be assigned to the role.
KAPM07279-I	Assignment processing was successful for a user group and an external authentication group, a resource group, and a role. (user group name and external authentication group name = *aa...aa*, resource group name = *bb...bb*, role name = *cc...cc*) *aa...aa*: User group name and external authentication group name *bb...bb*: Resource group name *cc...cc*: Role name	This audit log entry shows that assignment processing was successful for the following: • A user group and an external authentication group • A resource group • A role
KAPM07280-E	Assignment processing failed for a user group and an external authentication group, a resource group, and a role. (user group name and external authentication group name = *aa...aa*, resource group name = *bb...bb*, role name = *cc...cc*) *aa...aa*: User group name and external authentication group name *bb...bb*: Resource group name *cc...cc*: Role name	This audit log entry shows that assignment processing failed for the following: • A user group and an external authentication group • A resource group • A role
KAPM07300-I	The hcmdshpsimcert command has started.	The `hcmdshpsimcert` command started.
KAPM07301-I	The hcmdshpsimcert command has terminated.	The `hcmdshpsimcert` command ended.
KAPM07302-I	The hcmdshpsimcert command was successful.	The `hcmdshpsimcert` command was successful.
KAPM07303-E	The hcmdshpsimcert command has failed.	The `hcmdshpsimcert` command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07306-E	The value of hcmds.home cannot be acquired.	The `hcmds.home` value cannot be acquired.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07307-E	An option is invalid.	An option is invalid. Please revise the option specification.
KAPM07308-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07309-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07310-I	Importing of the certificate has started.	Importing of the certificate started.
KAPM07311-I	Importing of the certificate has ended.	Importing of the certificate ended.
KAPM07312-E	The host name or the port number is invalid.	The host name is invalid. Please revise the specified host name.
KAPM07313-E	An attempt to communicate with the HPSIM server has failed.	Communication with the HPSIM server failed. Please confirm whether the HPSIM server running.
KAPM07314-E	The format of the certificate acquired from the HPSIM server is invalid.	The format of the certificate acquired from the HPSIM server is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07315-E	An attempt to load the keystore file has failed.	An attempt to load the keystore file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07316-W	The certificate of the specified host is already registered.	The certificate of the specified host has already been registered.
KAPM07317-I	The following certificate was imported into the keystore.	The following certificate was imported to the keystore.

Message ID	Message Text	Description
KAPM07318-E	An attempt to output the keystore file has failed.	An attempt to output the keystore file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07319-E	An attempt to input the keystore file has failed.	An attempt to input the keystore file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07320-I	Host name: "*aa...aa*" *aa...aa*: Host name	Host name.
KAPM07321-I	Processing to display the certificate list has started.	Processing to display the certificate list started.
KAPM07322-I	Processing to display the certificate list has ended.	Processing to display the certificate list ended.
KAPM07323-I	The certificate is not stored.	The certificate is not stored.
KAPM07324-E	A problem occurred while displaying the certificate list.	A problem occurred while displaying the certificate list. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07325-I	Deletion of the certificate has started.	Deletion of the certificate started.
KAPM07326-I	The certificate has been deleted.	The certificate has been deleted.
KAPM07327-I	The certificate for the *aa...aa* host was deleted. *aa...aa*: Host name	The certificate of the specified host was deleted.
KAPM07328-W	The certificate for the *aa...aa* host is not registered. *aa...aa*: Host name	The certificate of the specified host name is not registered.
KAPM07329-E	An attempt to delete the certificate has failed.	An attempt to delete the certificate has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM07330-E	An attempt to renew the keystore has failed.	An attempt to modify the keystore has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07342-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07343-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07344-I	GET processing for "/Proxy/Getkey" has started.	The GET processing of "`/Proxy/GetKey`" started.
KAPM07345-I	GET processing for "/Proxy/Getkey" has ended.	The GET processing of "`/Proxy/GetKey`" ended.
KAPM07346-I	The request from "*aa...aa*" was accepted. *aa...aa*: Host name	The request from *aa...aa* was accepted.
KAPM07347-I	The one-time key was issued. (key = *aa...aa*) *aa...aa*: Onetimekey	The one-time key was issued. (key = *aa...aa*)
KAPM07348-E	An attempt to issue the one-time key has failed.	An attempt to issue the one-time key has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07349-E	An attempt to create the one-time key failed because the number of keys had exceeded the maximum.	An attempt to create the one-time key failed because the number of keys exceeded the maximum. Please check whether a one-time key has been generated illegally.
KAPM07350-W	The one-time key does not exist. (key = *aa...aa*) *aa...aa*: Onetimekey	The one-time key does not exist. (key = *aa...aa*)
KAPM07351-W	The expiration date of the one-time key has passed. (key = *aa...aa*)	The one-time key expired. (key = *aa...aa*)

Message ID	Message Text	Description
	aa...aa: Onetimekey	
KAPM07352-I	The one-time key was deleted normally. (key = *aa...aa*) *aa...aa*: Onetimekey	The one time key was deleted normally. (key = *aa...aa*)
KAPM07355-I	The one-time key that passed the expiration date was deleted. (key = *aa...aa*) *aa...aa*: Onetimekey	The expired one-time key was deleted. (key = *aa...aa*)
KAPM07356-I	GET processing for "/Proxy/SSO" has started.	The GET processing of "`/Proxy/SSO`" started.
KAPM07357-I	GET processing for "/Proxy/SSO" has ended.	The GET processing of "`/Proxy/SSO`" ended.
KAPM07358-E	An error occurred during a parameter check.	An error occurred during a parameter check. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07359-I	Parameter output: "*aa...aa*" = "*bb...bb*" *aa...aa*: Parameter *bb...bb*: Value	Parameter output: *aa...aa* = *bb...bb*
KAPM07360-E	An attempt to load the keystore has failed.	An attempt to load the keystore has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07363-I	The host name is valid.	The host name is valid.
KAPM07364-E	The host name is invalid.	The host name is invalid. Please make sure the certificate from the launch-source has been imported.
KAPM07367-I	The one-time key is valid.	The one-time key is valid.
KAPM07368-W	The one-time key is invalid.	The one-time key is invalid.
KAPM07371-I	Verification of the request parameter was successful.	Verification of the request parameter was successful.
KAPM07372-E	An attempt to verify the request parameter has failed.	Verification of the request parameter failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM07375-I	The URL is a normal value.	The URL value is normal.
KAPM07376-E	The URL is an invalid value.	The URL value is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07377-E	An attempt to convert the *aa...aa* permission has failed. *aa...aa*: Authority name	An attempt to convert the *aa...aa* permission has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07378-I	A redirection to "*aa...aa*" will be performed. *aa...aa*: redirect URL	The user will be redirected to *aa...aa*.
KAPM07379-E	An attempt to load the keystore file has failed.	An attempt to load the keystore file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07380-I	The certificate of *aa...aa* has been imported. *aa...aa*: Alias	The *aa...aa* certificate has been imported.
KAPM07381-E	The certificate of *aa...aa* has not been imported. *aa...aa*: Alias	The *aa...aa* certificate has not been imported. Please confirm whether the certificate is importing done.
KAPM07382-E	A server problem occurred.	A problem with the server occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07383-I	Data verification has started.	Verification of the data started.
KAPM07384-I	Data verification has ended.	Verification of the data ended.
KAPM07385-E	An invalid character string was specified for the token.	An invalid character string was specified for the token. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM07386-E	"SHA1with RSA" is not supported.	"SHA1withRSA" is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07387-E	The certificate format is invalid.	The format of the certificate is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07388-E	The signature object has not been initialized.	The signature object has not been initialized. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07389-E	"US-ASCII" is not supported.	"US-ASCII" is not supported. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07390-I	Generation of the HSSO token has started.	Generation of the HSSO token started.
KAPM07391-I	Generation of the HSSO token has ended.	Generation of the HSSO token ended.
KAPM07392-E	The permission conversion definition file was not found.	The permission conversion definition file was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07393-E	An attempt to load the permission conversion definition file has failed.	An attempt to load the permission conversion definition file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07400-E	The definition file was not found.	The definition file was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM07401-I	Generation of the X509 certificate object has started.	Generation of the X509 certificate object started.
KAPM07402-I	Generation of the X509 certificate object has ended.	Generation of the X509 certificate object ended.
KAPM07403-E	The specified port number is invalid.	The specified port number is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07404-E	The host name is invalid.	The host name is invalid. Take action according to the proceeding message.
KAPM07405-E	An attempt to communicate with the HPSIM server has failed.	An attempt to communicate with the HPSIM server has failed. Please confirm whether the HPSIM server running.
KAPM07406-E	The format of the certificate acquired from HPSIM is invalid.	The format of the certificate acquired from HPSIM is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07407-E	An attempt to output the keystore file has failed.	An attempt to output the keystore file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07410-I	Authentication succeeded.	Authentication succeeded.
KAPM07411-W	Authentication failed.	Authentication failed.
KAPM07420-E	Null is specified for the argument. (*aa...aa*) *aa...aa*: Argument	Null is specified for the argument. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07421-E	A specified value is invalid. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter *bb...bb*: Value	The specified value is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07422-E	An exception occurred.	An exception occurred.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM07423-E	The domain name is invalid.	There is an unusable character in the domain name sent from HPSIM. Please revise the HPSIM domain name.
KAPM07424-E	The user name is invalid.	There is an unusable character in the user name sent from HPSIM. Please revise the HPSIM user name.
KAPM07430-E	Authentication failed.	Authentication failed. Please fix the cause of the error. For details on the cause, see the `HpsimSSO[`*n*`].log`.
KAPM08001-E	A fatal error occurred during processing.	A fatal error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08002-E	Illegal parameters have been specified to create HSSO Context.	Illegal parameters have been specified to create HSSO Context. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08003-E	A CIMException was generated during Console screen display processing.	A CIMException was generated during Console screen display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08004-E	A CIMRepositoryException was generated during menu bar display processing.	A CIMRepositoryException was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08005-E	A CIMProviderException was generated during menu bar display processing.	A CIMProviderException was generated during menu bar display processing.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08006-E	A NoSuchElementException was generated during menu bar display processing.	A NoSuchElementException was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08007-E	A CIMException was generated during menu bar display processing.	A CIMException was generated during menu bar display processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08008-E	An error occurred on the HSSO Server.	An error occurred on the HSSO Server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08009-I	The logout processing finished. (session ID = *aa...aa*) *aa...aa*: Session ID	The logout processing finished.
KAPM08010-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08011-E	Your session is invalid.	Your session is invalid. Logout, and then login again.
KAPM08013-E	A frame-enabled browser is required.	A frame-enabled browser is required. Use a browser supported by the Hitachi Command Suite product being used.
KAPM08014-I	Now loading...	Now loading.
KAPM08015-E	The registered data in the common repository is invalid. (*aa...aa*) *aa...aa*: Class name	The registered data in the common repository is invalid. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08016-E	The registered data in the common repository is invalid.	The registered data in the common repository is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08017-E	The registered data in the common repository is invalid.	The registered data in the common repository is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08018-E	The token is invalid.	The token is invalid. Logout, and then login again.
KAPM08019-E	An error occurred on the SSO Server.	An error occurred on the SSO server. Logout, and then login again.
KAPM08020-E	An attempt to communicate with the SSO server has failed.	An attempt to communicate with the SSO server has failed. Logout, and then login again.
KAPM08021-E	The DBMS is stopped.	The DBMS is stopped. Make sure the DBMS has started.
KAPM08022-E	The Common Component database is blocked.	The Common Component database is blocked. Please contact the server administrator.
KAPM08100-E	Null is specified for the argument.	Null is specified for the argument. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08101-E	The specified node was not found. key=(*aa...aa*) *aa...aa*: Node key	The specified node was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08102-E	The object tree has not been created.	The object tree has not been created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM08103-E	An attempt to create the object tree has failed.	An attempt to create the object tree has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08104-E	An attempt to add a child node to the object tree has failed. (*aa...aa*) *aa...aa*: Node key	An attempt to add a child node to the object tree has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08105-E	The specified node has already been registered. key=(*aa...aa*) *aa...aa*: Node key	The specified node has already been registered. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08106-E	The tree information cannot be acquired. (*aa...aa*) *aa...aa*: Node key	The tree information cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08107-E	The node information is invalid. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter name *bb...bb*: Acquired value	The node information is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08108-E	An invalid argument was specified during node creation. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter name *bb...bb*: Acquired value	An invalid argument was specified during node creation. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08109-E	The tree information is invalid. (*aa...aa*, *bb...bb*) *aa...aa*: Route-node key (database) *bb...bb*: Route-node key (memory)	The tree information is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM08110-E	The node array cannot be acquired. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter name *bb...bb*: Acquired value	The node array cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08111-E	The hierarchy number of the node array cannot be acquired. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter name *bb...bb*: Acquired value	The hierarchy number of the node array cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08112-E	The node array is invalid. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter name *bb...bb*: Acquired value	The node array is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08113-E	The hierarchy number of the node array is invalid. (*aa...aa*) *aa...aa*: Hierarchy number of the node	The hierarchy number of the node array is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08114-W	An invalid argument was specified during node creation. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter name *bb...bb*: Acquired value	An invalid argument was specified during node creation. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08115-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08116-E	A value that exceeds the maximum value has been specified. (*aa...aa*, *bb...bb*) *aa...aa*: Parameter name *bb...bb*: Acquired value	A value that exceeds the maximum value has been specified. Check and, if necessary, revise the settings.
KAPM08150-E	The request is invalid. (*aa...aa*, *bb...bb*) *aa...aa*: Key *bb...bb*: Value	The request is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM08152-E	The request is invalid. (*aa...aa*) *aa...aa*: Key	The request is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08154-E	An attempt to display the object tree has failed.	An attempt to display the object tree has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08160-E	The data registered in the common repository is invalid. (*aa...aa*, *bb...bb*) *aa...aa*: Key *bb...bb*: Value	The data registered in the common repository is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08200-E	The request parameter required for the display of the Application Bar area is invalid.	The request parameter required for the display of the Application Bar Area is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08201-E	An internal error occurred. If you click the "Refresh Tree" button, the initial object tree will be displayed. If you cannot display the tree, log out, and then log in again.	An internal error occurred. If you click the "Refresh Tree" button, the initial object tree will be displayed. If you cannot display the tree, log out, and then log in again. Click the "Refresh Tree" button to display the initial object tree. If the initial object tree cannot be displayed, log in again. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM08202-E	The number of elements in the array does not match the other arrays.	The number of elements in the array does not match the other arrays. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM08203-E	The request parameter required for the display of the Summary area is invalid.	The request parameter required for the display of the Summary area is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08302-E	An error occurred while acquiring the resource bundle.	An error occurred while acquiring resource bundle. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08303-E	An error occurred while reading the resource file.	An error occurred during resource file input. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08304-E	An attempt to access the resource file has failed.	An attempt to access the resource file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08308-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08309-E	The URL object cannot be created.	URL object was not able to be made. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08311-E	An attempt to access the file has failed.	An attempt to access the file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM08402-E	An unusable HTML tag is included.	This message is displayed when the message entered by the user contains an unusable HTML tag. Please enter supported HTML tags only.
KAPM08403-E	The warning banner message exceeded 1000 characters.	This message is displayed when the warning banner message entered by the user exceeds 1000 characters. Enter no more than 1000 characters.
KAPM08404-E	An attempt to register the warning banner message has failed.	This message is displayed when an attempt to register a warning banner message from the security GUI window fails. Perform the following procedure: 1. Confirm that the following folder exists: In Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*\Base\conf\sec\resource In Solaris: /opt/HiCommand/Base/conf/sec/resource In Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*/Base/conf/sec/resource 2. Delete the following folder if it exists: In Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*\Base\conf\sec\resource\bannerresource.properties In Solaris: /opt/HiCommand/Base/conf/sec/resource/bannerresource.properties In Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*/Base/conf/sec/resource/bannerresource.properties 3. Make sure that you have access permissions for the following file. In Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*\Base\conf\sec\resource\bannerresource.properties

Message ID	Message Text	Description
		In Solaris: `/opt/HiCommand/Base/conf/sec/resource/bannerresource.properties` In Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec/resource/bannerresource.properties` 4. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM08405-E	An attempt to delete the warning banner message has failed.	This message is displayed when an attempt to delete a warning banner message from the security GUI window fails. Perform the following procedure: 1. Confirm that the following file exists: In Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*`\Base\conf\sec\resource\bannerresource.properties` In Solaris: `/opt/HiCommand/Base/conf/sec/resource/bannerresource.properties` In Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec/resource/bannerresource.properties` 2. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM08406-E	The specified file name already exists as a directory name. (directory name = *aa...aa*) *aa...aa*: Directory name	This message is output to the log when an attempt to register a warning banner message from the security GUI window fails. The system environment is invalid. detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM08407-E	The specified directory name already exists as a file name. (file name = *aa...aa*) *aa...aa*: File name	This message is output to the log when an attempt to register a warning banner message from the security GUI window fails. The system environment is invalid. detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM08408-E	The directory does not exist. (directory name = *aa...aa*) *aa...aa*: Directory name	This message is output to the log when an attempt to register a warning banner message from the security GUI window fails. Please create the following folder, and then try again: Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*`\Base\conf\sec` Solaris: `/opt/HiCommand/Base/conf/sec` Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec`
KAPM08409-E	An attempt to delete the warning banner message has failed.	This message is output to the log when an attempt to delete a warning banner message from the security GUI window fails. Check that the following file exists: Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*`\Base\conf\sec\resource\bannerresource.properties` Solaris: `/opt/HiCommand/Base/conf/sec/resource/bannerresource.properties` Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec/resource/bannerresource.properties`
KAPM08410-E	The specified node is invalid. (node name = *aa...aa*) *aa...aa*: Node name	This message is displayed when an invalid node is specified in the tree display in the security GUI window.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08411-E	hcmds.home is not set in the Java system properties.	`hcmds.home` has not been set in the Java system properties. Make sure that `hcmds.home` has been set in the Java system properties.
KAPM08412-E	The bannertaglist.conf file does not exist.	This message is displayed when no `bannertaglist.conf` file exists during processing to acquire a supported tag list. Check that the following file exists: Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*`\Base\conf\sec\bannertaglist.conf` Solaris: `/opt/HiCommand/Base/conf/sec/bannertaglist.conf` Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec/bannertaglist.conf`
KAPM08431-E	An attempt to register the security settings information has failed.	When failing from security GUI screen to the security configuration registration will be displayed. Perform the following procedure: 1. Confirm that the following folder exists: In Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*`\Base\conf\sec\resource` In Solaris: `/opt/HiCommand/Base/conf/sec/resource` In Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec/resource` 2. Delete the following folder if it exists: In Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*`\Base\conf\sec\resource\security.conf`

Message ID	Message Text	Description
		In Solaris: `/opt/HiCommand/Base/conf/sec/resource/security.conf` In Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec/resource/security.conf` 3. Make sure that you have access permissions for the following file: In Windows: *Hitachi-Command-Suite-Common-Component-installation-directory*`\Base\conf\sec\resource\security.conf` In Solaris: `/opt/HiCommand/Base/conf/sec/resource/security.conf` In Linux: *Hitachi-Command-Suite-Common-Component-installation-directory*`/Base/conf/sec/resource/security.conf` 4. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM08910-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08911-E	A fatal error occurred during processing.	A fatal error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08912-E	Null is specified for the argument.(*aa...aa*) *aa...aa*: Arguments	Null is specified for the argument. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08913-E	A value is invalid.(*aa...aa*, *bb...bb*) *aa...aa*: Key *bb...bb*: Value	A value is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM08914-E	The request is invalid.	The request is invalid. Logout, and then login again.
KAPM08915-E	There is an invalid statement in the configuration file of HBase Storage Mgmt Web Service.	The settings or environment might be invalid. For example, the HBase Storage Mgmt Web Service configuration file might contain one or more invalid definitions. Revise the `httpsd.conf` file as follows, and then restart all Hitachi Command Suite products, Single Sign On Server, and Common Web Service. • Make sure that the Listen definitions for IPv4 non-SSL ports appear in the file before other Listen definitions. • Make sure that the values specified for the Listen definitions of IPv4 non-SSL ports are valid.
KAPM08916-I	Succeeded in starting of service.	A request to start the service was accepted.
KAPM08917-I	Succeeded in stopping of service.	A request to stop the service was accepted.
KAPM08918-E	Failed to start service.	An attempt to start the service has failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM08919-E	Failed to stop service.	An attempt to stop the service has failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM08920-E	The value of hcmds.home cannot be acquired.	The `hcmds.home` value cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM08921-E	An attempt to acquire a value has failed.	An attempt to acquire a value has failed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM08922-E	Communication with the HBase Storage Mgmt Web Service failed.	Confirmation of the connection with the HBase Storage Mgmt Web Service failed. Start the HBase Storage Mgmt Web Service. If the service stops immediately after being started, there might be a problem with the configuration file. Check and, if necessary, revise the `httpsd.conf` file. In Windows, if there is a problem with the system PATH environment variable, the HBase Storage Mgmt Web Service might not start. Check and, if necessary, revise the PATH environment variable, and then restart the OS. In addition, when you close a non-SSL port of the HBase Storage Mgmt Web Service, check the following configurations: • Check that a host name, not an IP address, is specified in the ServerName directive of the `httpsd.conf` file. • Check that the host name in the ServerName directive of the `httpsd.conf` file can be resolved to an IP address. • Check that the host name specified in the ServerName directive of the `httpsd.conf` file is the same as the Common Name of the certificate specified in the SSLCertificateFile directive. • Check that the certificate that is necessary to trust HBase Storage Mgmt Web Service has been correctly imported to the Hitachi Command Suite Common Component truststore (jssecacerts). If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who might ask you to collect troubleshooting information.
KAPM08980-E	An attempt to acquire RequestDispatcher has failed.	An attempt to acquire RequestDispatcher has failed.

Message ID	Message Text	Description
	aa...aa: Jsp name	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM08999-E	*aa...aa* *aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object	Detailed information for KAPM*xxxxx*-E. This indicates the thrown exception object and the backtrace for that object. See the message KAPM*xxxxx*-E.
KAPM09062-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09064-E	No registered information exists.	No registered information exists. Register user information by using the `set` option, and then re-execute the command. If the same message is output again, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM09065-E	The file format is invalid.	The file format is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09066-E	An error occurred during file I/O processing.	An error occurred during file I/O processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09067-E	A server has not been registered.	A server has not been registered. Register user information by using the `set` option, and then re-execute the command. If the same message is output again, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM09068-E	An attempt to read a file has failed.	An attempt to read a file has failed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09069-E	An attempt to output a file has failed.	An attempt to output a file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09070-E	An argument contains a null value.	An argument contains a null value. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09090-E	hcmds.home is not specified in the Java system properties.	`hcmds.home` is not specified in the Java system properties. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09091-E	An error occurred during reading of a library. library path = *aa...aa* *aa...aa*: library path	An error occurred during reading of a library. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09092-E	A timeout was generated during lock acquisition.	A timeout was generated during lock acquisition. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM09093-E	The acquisition of the lock has failed. error code = *aa...aa* *aa...aa*: error code	The acquisition of the lock has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09094-E	The release of the lock has failed. error code = *aa...aa*	The release of the lock has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM09100-I	Enter a value for the option. (option name = *aa...aa*) *aa...aa*: Option name	A value is not set for one or more command options.
KAPM09101-I	For confirmation, re-enter the value of the *aa...aa* option. *aa...aa*: Option name	The value of the specified option must be re-entered for confirmation.
KAPM09102-E	hcmds.home is not set in the Java system properties.	`hcmds.home` is not set in the Java system properties. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM09103-E	An error occurred during the reading of the library. (library path = *aa...aa*) *aa...aa*: Library path	An error occurred during the reading of the library. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM09104-E	The value entered the first time does not match the value entered the second time.	The value entered the first time does not match the value entered the second time. Enter valid values.
KAPM09110-E	A specified argument is invalid.	A specified argument is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09111-E	An error occurred in the API. (API name = *aa...aa*, error code = *bb...bb*) *aa...aa*: API name *bb...bb*: error code	An error occurred in the API. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM09200-E	The system environment is incorrect.	The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM09210-E	hcmds.home is not specified in the Java system properties.	`hcmds.home` is not specified in the Java system properties. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM09211-E	An error occurred during reading of a library. library path = *aa...aa* *aa...aa*: library path	An error occurred during reading of a library. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM09212-E	An attempt to execute JNI has failed. function = *aa...aa*, error code = *bb...bb* *aa...aa*: Function *bb...bb*: Error code	An attempt to execute JNI has failed. Retry. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM09213-E	A specified argument is invalid.	A specified argument is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

KAPM10000 - KAPM19999

The following table describes messages KAPM10000 to KAPM19999, which are related to Hitachi Command Suite Common Component.

Table 2-22 KAPM10000 - KAPM19999 (messages output by Hitachi Command Suite Common Component)

Message ID	Message Text	Description
KAPM10009-E	The specified authorization group already exists. (distinguished name = *aa...aa*) *aa...aa*: distinguished-name	The specified authorization group already exists. Revise the name of the external authentication group.
KAPM10011-E	Communication with the external authentication server has failed. (domain name = *aa...aa*) *aa...aa*: domain-name	Communication with the external authentication server has failed. Check the settings for the information search user, the settings of `exauth.properties`, and the operation of the external authentication server.
KAPM10012-E	The information search user is not registered. (domain name = *aa...aa*) *aa...aa*: domain-name	Authentication of the information search user has failed. Register the information search user.

Message ID	Message Text	Description
KAPM10013-E	An attempt to search for the specified distinguished name has failed. (distinguished name = *aa...aa*) *aa...aa*: distinguished-name	An attempt to search for the specified distinguished name has failed. Confirm that the external authentication server is operating normally.
KAPM10014-E	DNS communication with the external authentication server has failed. (domain name = *aa...aa*) *aa...aa*: domain-name	DNS communication with the external authentication server has failed. Revise the settings and IP address of the external authorization server.
KAPM10015-E	The SRV record in the LDAP server is not registered. (distinguished name = *aa...aa*, domain name = *bb...bb*) *aa...aa*: distinguished-name *bb...bb*: domain-name	The SRV record in the LDAP server is not registered. Revise the SRV record settings for the LDAP server on DNS.
KAPM10016-E	A DNS error has occurred. (distinguished name = *aa...aa*, domain name = *bb...bb*) *aa...aa*: distinguished-name *bb...bb*: domain-name	A DNS error has occurred. Revise the DNS settings.
KAPM10017-W	The length of the specified distinguished name is invalid. (line number = *aa...aa*, distinguished name = *bb...bb*) *aa...aa*: line number *bb...bb*: distinguished-name	The length of the specified distinguished name is invalid. Revise the length of specified distinguished name.
KAPM10022-E	The SRV record of the Kerberos server is not registered in DNS. (distinguished name = *aa...aa*, domain name = *bb...bb*) *aa...aa*: distinguished-name *bb...bb*: domain-name	The SRV record of the Kerberos server is not registered in DNS. Revise the SRV record settings for the Kerberos server on DNS.
KAPM10029-E	The specified Distinguished Name cannot be found. (Distinguished Name = *aa...aa*) *aa...aa*: Distinguished Name	The specified Distinguished Name cannot be found. Check that the Distinguished Name for the specified group is correct. If it is correct, confirm that the information search user has been granted the following permissions: • Retrieval permission for the attribute to be retrieved • Reference permission for Distinguished Names for groups
KAPM10030-W	The specified Distinguished Name already exists. (Distinguished Name = *aa...aa*)	The specified Distinguished Name already exists.

Message ID	Message Text	Description
	aa...aa: Distinguished Name	Check that the specified Distinguished Name is correct.
KAPM10031-E	The specified Distinguished Name already exists in another domain. (Distinguished Name = *aa...aa*) *aa...aa*: Distinguished Name	The specified Distinguished Name already exists in another domain. Check that the specified Distinguished Name is correct.
KAPM10032-E	The operation cannot proceed because the external authentication group linkage function is disabled.	The operation cannot proceed because the external authentication group linkage function is disabled. Enable the external authentication group linkage function.
KAPM10033-E	No groups that the user belongs to are registered. (user name = *aa...aa*) *aa...aa*: User name	No groups that the user belongs to are registered. Register a group that the user belongs to and that is on the external authentication server, and then grant the proper permissions to the group.
KAPM10034-E	No groups that the user belongs to exist. (user name = *aa...aa*) *aa...aa*: User name	No groups that the user belongs to exist. Add the user to an appropriate group on the external authentication server.
KAPM10035-E	The format of the specified Distinguished Name is invalid. (Distinguished Name = *aa...aa*) *aa...aa*: Distinguished Name	The format of the specified Distinguished Name is invalid. Revise the format of the specified Distinguished Name.
KAPM10036-E	No information regarding the specified group was found.	No information regarding the specified group was found. Refresh the tree display, and then check whether there is any information on the specified group.
KAPM10037-I	Nest group information for the group. (group name = *aa...aa*) *aa...aa*: Group name	Nest group information for the group.
KAPM10038-I	Nest group: *aa...aa* *aa...aa*: Nest group name	Nest group information.
KAPM10039-W	The group was not found. (group name = *aa...aa*) *aa...aa*: Group name	The group was not found.
KAPM10040-E	The thread was interrupted.	The thread was interrupted. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM10041-E	The installed version of JP1/Base is not supported.	The installed version of JP1/Base is not supported. Install JP1/Base 10-00 or later.
KAPM10042-E	JP1/Base initialization failed.	JP1/Base initialization failed. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10043-E	An attempt to connect to JP1/Base failed.	An attempt to connect to JP1/Base failed. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10044-E	Authentication of the JP1 token failed. (JP1 token = *aa...aa*) *aa...aa*: JP1 token	Authentication of the JP1 token failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10045-E	An error occurred while linking to JP1/Base. (internal code = *aa...aa*) *aa...aa*: Internal code	An error occurred while linking to JP1/Base. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10046-E	An error occurred because the value is invalid. (value = *aa...aa*) *aa...aa*: Value	An error occurred because the value is invalid. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10047-E	An error occurred because the virtual host does not exist. (virtual host = *aa...aa*) *aa...aa*: Virtual host	An error occurred because the virtual host does not exist. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed

Message ID	Message Text	Description
		investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10048-E	An error occurred because the virtual host definition is invalid. (virtual host = *aa...aa*) *aa...aa*: Virtual host	An error occurred because the virtual host definition is invalid. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10049-W	The value is invalid. (value = *aa...aa*) *aa...aa*: Value	The value is invalid.
KAPM10050-E	Acquisition of the JP1/Base version failed.	Acquisition of the JP1/Base version failed. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10051-W	Valid suite product permissions were not allocated to the JP1 resource group. (JP1 resource group = *aa...aa*) *aa...aa*: JP1 resource group	Valid suite product permissions were not allocated to the JP1 resource group.
KAPM10052-E	Acquisition of the table failed. (table = *aa...aa*) *aa...aa*: Table name	Acquisition of the table failed. Verify that the DBMS, the HBase Storage Mgmt Web Service, and the HBase Storage Mgmt Common Service are running. If they are running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10053-E	No authentication server is set up.	No authentication server is set up. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who

Message ID	Message Text	Description
		may ask you to collect troubleshooting information.
KAPM10054-E	Permissions are not assigned to the user. (user name = *aa...aa*) *aa...aa*: User name	Permissions are not assigned to the user. Assign suite product permissions to the user from JP1/Base.
KAPM10055-E	Suite product permissions are not assigned to the user. (user name = *aa...aa*) *aa...aa*: User name	Suite product permissions are not assigned to the user. Assign suite product permissions to the user from JP1/Base.
KAPM10056-E	A buffer error occurred.	A buffer error occurred. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10057-W	The format of the value is invalid. (value = *aa...aa*) *aa...aa*: Value	The format of the value is invalid.
KAPM10058-W	The permissions do not correspond to the suite product permissions. (permissions = *aa...aa*) *aa...aa*: Permissions	The permissions do not correspond to the suite product permissions.
KAPM10059-W	The permissions could not be converted to suite product permissions. (permissions = *aa...aa*) *aa...aa*: Permissions	The permissions could not be converted to suite product permissions.
KAPM10060-E	Loading of the library failed. (library = *aa...aa*) *aa...aa*: Library	Loading of the library failed. Verify that JP1/Base 10-00 or later is installed on the primary server.
KAPM10061-E	hcmds.home is not set in the Java system properties.	`hcmds.home` is not set in the Java system properties. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10062-E	Acquisition of user permission information from JP1/Base failed.	Acquisition of user permission information from JP1/Base failed. Perform the following: • Verify that permissions are assigned to the user from JP1/Base.

Message ID	Message Text	Description
		• Verify that JP1/Base on the primary server is running properly. If the problem persists, acquire the maintenance information, and then contact the customer support.
KAPM10063-E	Preprocessing failed.	Preprocessing failed. Perform the following: • Verify that JP1/Base 10-00 or later is installed on the primary server. • Verify that `hcmds.home` is set in the Java system properties.
KAPM10064-E	JP1/Base initialization failed.	JP1/Base initialization failed. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10065-E	Authentication of the JP1 token failed. (JP1 token = *aa...aa*) *aa...aa*: JP1 token	Authentication of the JP1 token failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM10066-I	The external authentication server successfully authenticated the information. (user name = *aa...aa*, protocol = *bb...bb*) *aa...aa*: User name *bb...bb*: Protocol	The external authentication server successfully authenticated the information.
KAPM10067-I	User permission information was successfully acquired from JP1/Base. (user name = *aa...aa*) *aa...aa*: User name	User permission information was successfully acquired from JP1/Base.
KAPM10100-E	Authentication was canceled because a search user has not been registered. (domain name = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: Domain name *bb...bb*: Host *cc...cc*: Port	Authentication was canceled because the search user has not been registered. Make sure the search user has been registered.

Message ID	Message Text	Description
	dd...dd: Protocol	
KAPM10101-E	Authentication was canceled because a setting in the configuration file for the external authentication server (exauth.properties) is invalid.	Authentication was canceled because a setting in the configuration file for the external authentication server (`exauth.properties`) is invalid. Revise the settings in the configuration file for the external authentication server (`exauth.properties`).
KAPM10102-I	The group information was acquired from the LDAP server. (domain name = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*, basedn = *ee...ee*) *aa...aa*: Domain name *bb...bb*: Host *cc...cc*: Port *dd...dd*: Protocol *ee...ee*: BaseDN	The group information was acquired from an LDAP server.
KAPM10103-E	Acquisition of group information failed. (userId = *aa...aa*, domain name = *bb...bb*, host = *cc...cc*, port = *dd...dd*, protocol = *ee...ee*, basedn = *ff...ff*) *aa...aa*: User ID *bb...bb*: Domain name *cc...cc*: Host *dd...dd*: Port *ee...ee*: Protocol *ff...ff*: BaseDN	Acquisition of group information has failed. Revise the settings in the configuration file for the external authentication server (`exauth.properties`).
KAPM10104-E	Confirmation of the existence of a group failed because a setting in the configuration file for the external authentication server (exauth.properties) is invalid or a search user setting is invalid.	Confirmation of the existence of a group failed because a setting in the configuration file for the external authentication server (`exauth.properties`) is invalid or a search user setting is invalid. Revise the settings in the configuration file for the external authentication server (`exauth.properties`) and the search user settings.
KAPM10105-E	A search user has not been registered. (domain name = *aa...aa*) *aa...aa*: Domain name	The search user has not been registered. Make sure the search user has been registered.
KAPM10106-I	The existence of a group was successfully confirmed. (groupDN = *aa...aa*, domain	The existence of a group was successfully confirmed.

Message ID	Message Text	Description
	name = *bb...bb*, host = *cc...cc*, port = *dd...dd*, protocol = *ee...ee*) *aa...aa*: GroupDN *bb...bb*: Domain name *cc...cc*: Host *dd...dd*: Port *ee...ee*: Protocol	
KAPM10112-I	Authentication by a search user was successful. (host=*aa...aa*, port=*bb...bb*,protocol=*cc...cc*) *aa...aa*: Host *bb...bb*: Port *cc...cc*: Protocol	Authentication by a search user was successful.
KAPM10114-E	Authentication stopped because a setting in the configuration file for the external authentication server (exauth.properties) or a search user setting is invalid.	Authentication stopped because a setting in the configuration file for the external authentication server (`exauth.properties`) or a search user setting is invalid. Revise the `exauth.properties` file or the search user definition.
KAPM10115-E	The Kerberos realm, KDC, or a search user definition is invalid. (realm name = *aa...aa*) *aa...aa*: realm-name	The Kerberos realm, KDC, or a search user definition is invalid. Check and, if necessary, revise the `exauth.properties` file realm, the KDC or a search user definition.
KAPM10116-I	Communication with the directory server was successfully established. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port number *cc...cc*: Protocol	Information output to the audit log indicating that communication with the directory server was successfully established.
KAPM10117-E	Communication with the directory server failed to be established. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port number *cc...cc*: Protocol	Information output to the audit log indicating that communication with the directory server failed to be established.
KAPM10118-I	Communication with the RADIUS server was successfully established. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*)	Information output to the audit log indicating that communication with the RADIUS server was successfully established.

Message ID	Message Text	Description
	aa...aa: Host name *bb...bb*: Port number *cc...cc*: Protocol	
KAPM10119-E	Communication with the RADIUS server failed to be established. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port number *cc...cc*: Protocol	Information output to the audit log indicating that communication with the RADIUS server failed to be established.
KAPM10120-I	Communication with the Kerberos server was successfully established. (KDC = *aa...aa*) *aa...aa*: KDC	Information output to the audit log indicating that communication with the Kerberos server was successfully established.
KAPM10121-E	Communication with the Kerberos server failed to be established. (KDC = *aa...aa*) *aa...aa*: KDC	Information output to the audit log indicating that communication with the Kerberos server failed to be established.
KAPM10122-I	Communication with the DNS server was successfully established.	Information output to the audit log indicating that communication with the DNS server was successfully established.
KAPM10123-E	Communication with the DNS server failed to be established.	Information output to the audit log indicating that communication with the DNS server failed to be established.
KAPM10124-I	A TLS session with a directory server was successfully negotiated. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port number *cc...cc*: Protocol	Information output to the audit log indicating that a TLS session with a directory server was successfully negotiated.
KAPM10125-E	A TLS session with a directory server failed to be negotiated. (host = *aa...aa*, port = *bb...bb*, protocol = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port number *cc...cc*: Protocol	Information output to the audit log indicating that a TLS session with a directory server failed to be negotiated.
KAPM10126-I	An information-search user was successfully authenticated by the directory server. (distinguished name = *aa...aa*,	Information output to the audit log indicating that an information-search user was successfully authenticated by the directory server.

Message ID	Message Text	Description
	host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: Distinguished name *bb...bb*: Host name *cc...cc*: Port number *dd...dd*: Protocol	
KAPM10127-W	An information-search user failed to be authenticated by the directory server. (distinguished name = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: Distinguished name *bb...bb*: Host name *cc...cc*: Port number *dd...dd*: Protocol	Information output to the audit log indicating that an information-search user failed to be authenticated by the directory server.
KAPM10128-I	A user was successfully authenticated by the directory server. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: User ID *bb...bb*: Host name *cc...cc*: Port number *dd...dd*: Protocol	Information output to the audit log indicating that a user was successfully authenticated by the directory server.
KAPM10129-W	No users are registered on the directory server. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: User ID *bb...bb*: Host name *cc...cc*: Port number *dd...dd*: Protocol	Information output to the audit log indicating that no users are registered on the directory server.
KAPM10130-W	A user failed to be authenticated by the directory server. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: User ID *bb...bb*: Host name *cc...cc*: Port number *dd...dd*: Protocol	Information output to the audit log indicating that a user failed to be authenticated by the directory server.
KAPM10131-I	A user was successfully authenticated by the RADIUS server. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*)	Information output to the audit log indicating that a user was successfully authenticated by the RADIUS server.

Message ID	Message Text	Description
	aa...aa: User ID *bb...bb*: Host name *cc...cc*: Port number *dd...dd*: Protocol	
KAPM10132-W	A user failed to be authenticated by the RADIUS server. (user ID = *aa...aa*, host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: User ID *bb...bb*: Host name *cc...cc*: Port number *dd...dd*: Protocol	Information output to the audit log indicating that a user failed to be authenticated by the RADIUS server.
KAPM10133-I	A user was successfully authenticated by the Kerberos server. (Kerberos principal = *aa...aa*, KDC = *bb...bb*) *aa...aa*: Kerberos principal name *bb...bb*: KDC	Information output to the audit log indicating that a user was successfully authenticated by the Kerberos server.
KAPM10134-W	A user failed to be authenticated by the Kerberos server. (Kerberos principal = *aa...aa*, KDC = *bb...bb*) *aa...aa*: Kerberos principal name *bb...bb*: KDC	Information output to the audit log indicating that a user failed to be authenticated by the Kerberos server.
KAPM10135-I	User information was successfully acquired from the directory server. (user ID = *aa...aa*, domain name = *bb...bb*, host = *cc...cc*, port = *dd...dd*, protocol = *ee...ee*, base DN = *ff...ff*) *aa...aa*: User ID *bb...bb*: Domain name *cc...cc*: Host name *dd...dd*: Port number *ee...ee*: Protocol *ff...ff*: Base DN	The audit log indicates that user information was successfully acquired from the directory server.
KAPM10136-E	Acquisition of user information from the directory server failed. (user ID = *aa...aa*, domain name = *bb...bb*, host = *cc...cc*, port = *dd...dd*, protocol = *ee...ee*, base DN = *ff...ff*) *aa...aa*: User ID	The audit log indicates that an attempt to acquire user information from the directory server failed.

Message ID	Message Text	Description
	bb...bb: Domain name *cc...cc*: Host name *dd...dd*: Port number *ee...ee*: Protocol *ff...ff*: Base DN	
KAPM10137-I	An SRV record was successfully acquired from the DNS server. (record key = *aa...aa*) *aa...aa*: SRV record key	Information output to the audit log indicating that an SRV record was successfully acquired from the DNS server.
KAPM10138-E	An SRV record failed to be acquired from the DNS server. (record key = *aa...aa*) *aa...aa*: SRV record key	Information output to the audit log indicating that an SRV record failed to be acquired from the DNS server.
KAPM10139-I	JP1/Base was successfully connected to.	This audit log entry reports that JP1/Base was successfully connected to.
KAPM10140-E	An attempt to connect to JP1/Base failed.	This audit log entry reports that an attempt to connect to JP1/Base failed.
KAPM10141-I	User authentication in JP1/Base was successful. (*aa...aa* = *bb...bb*) *aa...aa*: Key *bb...bb*: Value	This audit log entry reports that user authentication in JP1/Base was successful.
KAPM10142-W	JP1/Base user authentication failed. (*aa...aa* = *bb...bb*) *aa...aa*: Key *bb...bb*: Value	This audit log entry reports that JP1/Base user authentication failed.
KAPM10143-I	JP1/Base was successfully logged out from. (JP1 token = aa…aa) *aa...aa*: JP1 token	This audit log entry reports that JP1/Base was successfully logged out from.
KAPM10144-I	User permission information was successfully acquired from JP1/Base. (user name = *aa...aa*) *aa...aa*: User name	This audit log entry reports that user permission information was successfully acquired from JP1/Base.
KAPM10145-E	Acquisition of user permission information from JP1/Base failed. (user name = *aa...aa*) *aa...aa*: User name	This audit log entry reports that acquisition of user permission information from JP1/Base failed.
KAPM10146-I	JP1/Base was successfully initialized.	This audit log entry reports that JP1/Base was successfully initialized.
KAPM10147-E	JP1/Base initialization failed.	This audit log entry reports that JP1/Base initialization failed.

Message ID	Message Text	Description
KAPM10148-I	The JP1/Base version was successfully acquired.	This audit log entry reports that the JP1/Base version was successfully acquired.
KAPM10149-E	Acquisition of the JP1/Base version failed.	This audit log entry reports that the acquisition of the JP1/Base version failed.
KAPM11003-E	The function is not supported. (function = *aa...aa*) *aa...aa*: Function	The function is not supported. Make sure the function is supported by Hitachi Command Suite Common Component on the primary server.
KAPM11051-E	The request was invalid.	The request was invalid. Make sure that Common API can be executed in the environment.
KAPM11052-E	Login processing failed.	Login processing failed. Check the ID, password, and permission of the user to log in. Check the service activation status. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you to collect troubleshooting information.
KAPM11101-E	The specified user does not exist. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The specified user does not exist. Make sure that the specified user exists.
KAPM11102-E	The built-in user account cannot be deleted.	The built-in user account cannot be deleted. Check and, if necessary, revise the user specification.
KAPM11103-E	A required parameter is not specified. (operation = *aa...aa*, parameter name = *bb...bb*) *aa...aa*: Operation *bb...bb*: Parameter name	A required parameter is not specified. Check and, if necessary, revise the parameter specification.
KAPM11105-E	The instance ID specified for a parameter differs from the instance ID specified for the URL. (operation = *aa...aa*, instance ID specified for the parameter = *bb...bb*, instance ID specified for the URL = *cc...cc*) *aa...aa*: Operation *bb...bb*: Instance ID specified for the parameter *cc...cc*: Instance ID specified for the URL	The instance ID specified for a parameter differs from the instance ID specified for the URL. Check and, if necessary, revise the specification of the URL or parameter.

Message ID	Message Text	Description
KAPM11106-E	An inappropriate parameter is specified. (operation = *aa...aa*, parameter name = *bb...bb*) *aa...aa*: Operation *bb...bb*: Parameter name	An inappropriate parameter is specified. Check and, if necessary, revise the parameter specification.
KAPM11107-E	The request data is invalid.	The request data is invalid. Check and, if necessary, revise the request data.
KAPM11108-E	The specified user already exists. (login ID = *aa...aa*) *aa...aa*: Login ID	The specified user already exists. Check and, if necessary, revise the user information specified in the parameter.
KAPM11109-E	The password for a user authenticated by an external authentication server cannot be changed. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The password for a user authenticated by an external authentication server cannot be changed. Check and, if necessary, revise the user information specified in the parameter.
KAPM11110-E	The password is not set up.	The password is not set up. Specify a password in the parameters.
KAPM11112-E	The password cannot be changed for a user mapped to an external authentication group. (login ID = *aa...aa*) *aa...aa*: Login ID	The password cannot be changed for a user mapped to an external authentication group. Check the authentication method for the user.
KAPM11113-E	The password for a user authenticated by an external authentication server cannot be changed. (login ID = *aa...aa*) *aa...aa*: Login ID	The password for a user authenticated by an external authentication server cannot be changed. Check the authentication method for the user.
KAPM11114-E	There is a logout request for a user who is not logged in.	There is a logout request for a user who is not logged in. Check and, if necessary, revise the logout request.
KAPM11115-E	The session information contains no token information. (token = *aa...aa*) *aa...aa*: Token	The session information contains no token information. Check and, if necessary, revise the logout request.
KAPM11116-E	Authentication for this session is not basic authentication.	Authentication for this session is not basic authentication. Set basic authentication for the request.
KAPM11117-E	The password conflicts with the input rules.	The password conflicts with the input rules. Check and, if necessary, revise the password specification.

Message ID	Message Text	Description
KAPM11120-E	The specified parameter is too long. (operation = *aa...aa*, parameter name = *bb...bb*) *aa...aa*: Operation *bb...bb*: Parameter name	The specified parameter is too long. Check and, if necessary, revise the parameter specification.
KAPM11121-E	The specified parameter value is invalid. (operation = *aa...aa*, parameter name = *bb...bb*) *aa...aa*: Operation *bb...bb*: Parameter name	The specified parameter value is invalid. Check and, if necessary, revise the parameter specification.
KAPM11122-E	The user information to be registered already exists. (login ID = *aa...aa*) *aa...aa*: Login ID	The user information to be registered already exists. Check and, if necessary, revise the user information specified in the parameter.
KAPM11201-E	The built-in user group cannot be deleted. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The built-in user group cannot be deleted. Check and, if necessary, revise the user-group specification.
KAPM11202-E	The specified user group does not exist. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The specified user group does not exist. Check and, if necessary, revise the user-group specification.
KAPM11203-E	An external authorization group cannot be deleted. (instance ID = *aa...aa*) *aa...aa*: Instance ID	An external authorization group cannot be deleted. Check and, if necessary, revise the user-group specification.
KAPM11204-E	The specified value differs from the registered setting value. (operation = *aa...aa*, parameter name = *bb...bb*, specified value = *cc...cc*, registered setting value = *dd...dd*) *aa...aa*: Operation *bb...bb*: Parameter name *cc...cc*: Specified value *dd...dd*: Registered setting value	The specified value differs from the registered setting value. Check and, if necessary, revise the parameter specification.
KAPM11205-E	The specified user group name already exists. (user group name = *aa...aa*) *aa...aa*: User group name	The specified user group name already exists. Check and, if necessary, revise the user-group information specified in the parameter.
KAPM11206-E	The operation cannot be performed for an external authorization group. (operation	The operation cannot be performed for an external authorization group.

Message ID	Message Text	Description
	= *aa...aa*, instance ID = *bb...bb*) *aa...aa*: Operation *bb...bb*: Instance ID	Check and, if necessary, revise the specification of the external authorization group of the request.
KAPM11207-E	The name of the built-in user group cannot be changed. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The name of the built-in user group cannot be changed. Check and, if necessary, revise the specification of the user group of the request.
KAPM11208-E	The external authorization group cannot be updated. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The external authorization group cannot be updated. Check and, if necessary, revise the specification of the external authorization group of the request.
KAPM11209-E	The specified external authorization group already exists. (Distinguished Name = *aa...aa*) *aa...aa*: Distinguished Name	The specified external authorization group already exists. Check and, if necessary, revise the external authorization group information specified in the parameter.
KAPM11210-E	The user group information to be registered already exists. (user group name = *aa...aa*) *aa...aa*: User group name	The user group information to be registered already exists. Check and, if necessary, revise the user group information specified in the parameter.
KAPM11211-E	The external authorization group to be registered already exists. (Distinguished Name = *aa...aa*) *aa...aa*: Distinguished Name	The external authorization group to be registered already exists. Check and, if necessary, revise the external authorization group information specified in the parameter.
KAPM11212-W	The format of the specified Distinguished Name is invalid. (Distinguished Name = *aa...aa*) *aa...aa*: Distinguished Name	The format of the specified Distinguished Name is invalid.
KAPM11301-E	The specified role does not exist. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The specified role does not exist. Make sure that the specified role exists.
KAPM11351-E	The specified resource group does not exist. (instance ID = *aa...aa*) *aa...aa*: Instance ID	The specified resource group does not exist. Make sure that the specified resource group exists.
KAPM11999-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM14000-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM14003-I	Command execution started.	Command execution started.
KAPM14004-I	The command was executed successfully.	The command was executed successfully.
KAPM14005-E	Command execution failed.	Command execution failed. See the message KAPM*xxxxx*-E.
KAPM14006-E	An option is invalid.	An option is invalid. Check and, if necessary, revise the specified options.
KAPM14007-E	The command cannot be executed because the database is down.	The command cannot be executed because the database is down. Make sure of the following, and then retry the command: • Make sure that HiRDB is running. • Make sure that HiRDB has been set up.
KAPM14008-E	Command execution failed. (command name = *aa...aa*) *aa...aa*: command name	Command execution failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14009-E	An attempt to read a file failed. (file name = *aa...aa*) *aa...aa*: file name	An attempt to read a file failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14010-E	Table information could not be acquired. (table name = *aa...aa*) *aa...aa*: table name	Table information could not be acquired. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14011-W	A key is invalid. (key name = *aa...aa*) *aa...aa*: key name	A key is invalid.

Message ID	Message Text	Description
KAPM14012-I	Association information will be deleted because the chain was broken. (hcmdsID = *aa...aa*, association = *bb...bb*) *aa...aa*: hcmdsID *bb...bb*: association	Association information will be deleted because the chain was broken.
KAPM14013-I	Incorrect product information will be removed. (product name = *aa...aa*) *aa...aa*: product name	Incorrect product information will be removed.
KAPM14014-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14015-E	An attempt to delete the product information has failed. (product name = *aa...aa*) *aa...aa*: product name	An attempt to delete the product information has failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14016-E	An attempt to delete the association information has failed. (association = *aa...aa*) *aa...aa*: association	An attempt to delete the association information has failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14017-E	The DBMS is blocked.	The DBMS is blocked. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM14018-E	An attempt to get association information failed.	An attempt to get association information failed. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14019-E	An attempt to get the class name failed.	An attempt to get the class name failed.

Message ID	Message Text	Description
		Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM14020-W	Processing is being re-executed.	Processing is being re-executed.
KAPM14021-E	An authentication error occurred.	An authentication error occurred. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM14022-E	An error occurred during DBMS access processing.	An error occurred during DBMS access processing. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM14030-I	The hcmdsServiceCtrl command started.	The `hcmdsServiceCtrl` command started.
KAPM14031-I	The hcmdsServiceCtrl command finished successfully.	The `hcmdsServiceCtrl` command finished successfully.
KAPM14032-E	The hcmdsServiceCtrl command failed.	The `hcmdsServiceCtrl` command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM14033-E	A memory allocation error occurred.	A memory allocation error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM14034-E	Acquisition of the HBase64 installation path failed.	Acquisition of the HBase64 installation path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM14035-W	Log initialization failed.	Log initialization failed.
KAPM14036-E	An option is invalid.	An option is invalid.

Message ID	Message Text	Description
		Specify the options correctly, and then re-execute the command.
KAPM14039-E	An error occurred in an internal function. (calling function = *aa...aa*, executed function = *bb...bb*, note = *cc...cc*, error code = *dd...dd*) *aa...aa*: Calling function *bb...bb*: Executed function *cc...cc*: Note *dd...dd*: Error code	An error occurred in an internal function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM14040-E	The service is running. (service name = *aa...aa*) *aa...aa*: Service name	The service is running. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM14041-I	The service operation was executed. (operation name = *aa...aa*) *aa...aa*: Operation name	The service operation was executed.
KAPM14152-I	A command will now be executed. (command line = *aa...aa*) *aa...aa*: Command line	A command will now be executed.
KAPM14153-E	An option is invalid.	An option is invalid. Revise the specified options, and then try the operation again.
KAPM14154-I	The path is a symbolic link. (path = *aa...aa*) *aa...aa*: Path	The path is a symbolic link.
KAPM14155-W	The path is not a symbolic link. (path = *aa...aa*) *aa...aa*: Path	The path is not a symbolic link. The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM14156-E	The path to be checked could not be obtained.	The path to be checked could not be obtained. The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM14157-E	The directory could not be found. (path = *aa...aa*) *aa...aa*: Path	The directory could not be found. The system environment is incorrect. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM14158-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15002-I	The hcmds64checkauth command will now start.	The `hcmds64checkauth` command will now start.
KAPM15003-I	The configuration check of *aa...aa* will now start. *aa...aa*: Phase number	The configuration check will now start.
KAPM15004-I	The result of the configuration check of *aa...aa* was normal. *aa...aa*: Phase number	The result of the configuration check was normal.
KAPM15005-E	The result of the configuration check of *aa...aa* was abnormal. *aa...aa*: Phase number	The result of the configuration check was abnormal. See the immediately preceding message KAPM*xxxxx*-E.
KAPM15006-I	The configuration of the server *aa...aa* will now be checked. *aa...aa*: Server name	The configuration of the server will now be checked.
KAPM15007-I	The result of the configuration check of the server *aa...aa* was normal. *aa...aa*: Server name	The result of the configuration check of the server was normal.
KAPM15008-E	The result of the configuration check of the server *aa...aa* was abnormal. *aa...aa*: Server name	The result of the configuration check of the server was abnormal. See the immediately preceding message KAPM*xxxxx*-E.
KAPM15009-I	The configuration check of *aa...aa* has finished normally. *aa...aa*: Phase number	The configuration check has finished normally.
KAPM15010-I	The connection to the server *aa...aa* will now be checked. (host = *bb...bb*, port = *cc...cc*, protocol = *dd...dd*) *aa...aa*: Server name *bb...bb*: Host name *cc...cc*: Port number	The connection to the server will now be checked.

Message ID	Message Text	Description
	dd...dd: Protocol	
KAPM15011-I	The server *aa...aa* can be connected to normally. *aa...aa*: Server name	The connection to the server has been checked successfully.
KAPM15012-E	The result of checking the connection to the server *aa...aa* indicated an error. *aa...aa*: Server name	An attempt to check the connection to the server has failed. Refer to error message KAPM15010-I and the related messages that follow it.
KAPM15013-E	A connection error occurred.	A connection error occurred. Make sure that the external authentication server is running correctly, and then perform one of the following procedures: For LDAP: If the KAPM15084-E message is displayed after this message, it shows the details of the LDAP connection error. Refer to the following to resolve the problem: 1. Make sure that the host or IP address, port, and protocol specified in `exauth.properties` are correct. 2. Make sure that the network is correctly connected. 3. Check the firewall settings. 4. Make sure that the LDAP directory server is compatible with the LDAPv3 protocol. 5. If StartTLS is used, check the SSL settings. For StartTLS, specify the host, not the IP address. 6. If an OCSP is enabled, check the following: - Make sure that the certificate is valid. 7. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Make sure that the host or IP address, port, and protocol specified in `exauth.properties` are correct.

Message ID	Message Text	Description
		2. Check and then respecify the client secret set for the external authentication server and the secret set for the client. 3. Make sure that the network is correctly connected. 4. Check the firewall settings. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15014-E	An authentication error occurred.	An authentication error occurred. Make sure that the user who made the specification is registered in the external authentication server.
KAPM15015-I	The command hcmds64checkauth will now finish.	The command `hcmds64checkauth` will now finish.
KAPM15016-E	A file was not found. (file name = *aa...aa*) *aa...aa*: File name	A file was not found. Make sure that the file exists in the specified folder.
KAPM15017-E	A file could not be read. (file name = *aa...aa*) *aa...aa*: File name	A file could not be read. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15018-E	The settings of the external authentication server are invalid.	The settings of the external authentication server are invalid. Check and revise the configuration file, specifying valid settings for the external authentication server.
KAPM15019-E	The configuration file contains a syntax error. (line number = *aa...aa*, value = *bb...bb*) *aa...aa*: Line number *bb...bb*: Value	The configuration file contains a syntax error. The value *bb...bb* on line *aa...aa* caused a syntax error. Check and, if necessary, revise the configuration file, and then retry the operation.
KAPM15020-E	The same property key already exists. (line number = *aa...aa*, key = *bb...bb*) *aa...aa*: Line number *bb...bb*: Key	The same property key already exists. The key *bb...bb* on line *aa...aa* is a duplicate. Check and, if necessary, revise the configuration file, and then retry the operation.
KAPM15021-E	A required parameter has not been specified. (key = *aa...aa*)	A required parameter has not been specified.

Message ID	Message Text	Description
	aa...aa: Key	Specify all required parameters, and then retry the operation.
KAPM15022-W	An optional parameter has been omitted. (value = *aa...aa*) *aa...aa*: Value	An optional parameter has been omitted. (value = *aa...aa*)
KAPM15023-W	A property key cannot be identified. (line number = *aa...aa*) *aa...aa*: Line number	A property key cannot be identified. Check and, if necessary, review the settings in the configuration file for the external authentication server.
KAPM15024-E	A secret does not exist.	A secret does not exist. Specify a secret, and then retry the operation.
KAPM15025-E	No connection could be made from the secondary server.	No connection could be made from the secondary server. Connect from the primary server.
KAPM15026-E	A fatal error occurred during processing.	A fatal error occurred during processing. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15027-E	An option is invalid.	An option is invalid. Check and, if necessary, revise the specified options.
KAPM15028-E	No value has been specified for an option.	No value has been specified for an option. Specify all required options.
KAPM15029-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15030-I	Processing has finished normally.	Processing has finished normally.
KAPM15031-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15032-E	The configuration file was not found. (file name = *aa...aa*) *aa...aa*: File name	The configuration file was not found. Confirm that the file exists, that the file is not in use.

Message ID	Message Text	Description
KAPM15033-E	An error occurred on the *aa...aa* server. *aa...aa*: Server name	A server error occurred. Perform one of the following procedures: For LDAP: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64radiussecret` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15034-E	Authentication information cannot be acquired. (server name = *aa...aa*) *aa...aa*: Server name	Authentication information cannot be acquired. Use the `hcmds64ldapuser` command or the `hcmds64radiussecret` command to reconfigure the authentication information. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15035-I	Authentication information has been acquired.	Authentication information has been acquired.
KAPM15036-E	Authentication information cannot be acquired.	Authentication information cannot be acquired. Use the `hcmds64ldapuser` command or the `hcmds64radiussecret` command to reconfigure the authentication information. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15037-E	Specify a value for at least one key. (key = *aa...aa*) *aa...aa*: Key	Specify a value for at least one key. Specify key values, and then retry the operation.
KAPM15039-I	A connection was successfully established. (server name = *aa...aa*) *aa...aa*: Server name	A connection was successfully established.
KAPM15040-E	A connection attempt has failed. (server name = *aa...aa*) *aa...aa*: Server name	A connection attempt has failed. Make sure that the external authentication server is running correctly, and then perform one of the following procedures: For LDAP: 1. Make sure that the host or IP address, port, and protocol specified in `exauth.properties` are correct. 2. Make sure that the network is correctly connected. 3. Check the firewall settings. 4. Make sure that the LDAP directory server is compatible with the LDAPv3 protocol.

Message ID	Message Text	Description
		5. If StartTLS is used, check the SSL settings. For StartTLS, specify the host, not the IP address. 6. If an OCSP is enabled, check the following: - Make sure that the certificate is valid. 7. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Make sure that the host or IP address, port, and protocol specified in `exauth.properties` are correct. 2. Check and then respecify the client secret set for the external authentication server and the secret set for the client. 3. Make sure that the network is correctly connected. 4. Check the firewall settings. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15041-E	Authentication has failed. (server name = *aa...aa*) *aa...aa*: Server name	Authentication has failed. See the KAPM*xxxxx*-E message of the server *aa...aa*, above.
KAPM15042-E	A syntax error occurred. (server name = *aa...aa*) *aa...aa*: Server name	A syntax error occurred. See the KAPM*xxxxx*-E message of the server *aa...aa*, above.
KAPM15043-E	A check cannot be performed because the external authentication server type is unknown.	A check cannot be performed because the external authentication server type is unknown. If necessary, revise the value of `auth.server.type`, and then retry the operation.
KAPM15044-E	A check cannot be performed because the server identification name is unknown.	A check cannot be performed because the server identification name is unknown.

Message ID	Message Text	Description
		If necessary, revise the value of `auth.server.name`, and then retry the operation.
KAPM15045-E	A parameter has not been specified. (key = *aa...aa*) *aa...aa*: Key	The value for a parameter has not been specified. Specify the value of the parameter *aa...aa*, and then retry the operation.
KAPM15046-E	An invalid value has been specified for a parameter. (key = *aa...aa*) *aa...aa*: Key	An invalid value has been specified for a parameter. If necessary, revise the value of the parameter *aa...aa*, and then retry the operation.
KAPM15047-I	The authentication method will now be internal authentication.	The authentication method will now be internal authentication.
KAPM15049-E	The configuration file could not be accessed. (File name = *aa...aa*) *aa...aa*: File name	The configuration file could not be accessed. Make sure that the configuration file exists, that you have access permissions for this file, and that the file is not in use.
KAPM15050-E	Authentication of the user account used for information searching has failed.	Authentication of the user account used for information searching failed. Perform one of the following procedures: If the message KAPM15084-E is displayed after this message, the message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem: For LDAP hierarchical structure model: Make sure the DN and the password of the user who is used for searching for information are correct, and then re-execute the `hcmds64ldapuser` command. For LDAP flat model: Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is not registered.
KAPM15051-E	The DN of the user account used for information searching was not found.	The DN of the user account used for information searching was not found. Perform one of the following procedures: If the message KAPM15084-E is displayed after this message, the

Message ID	Message Text	Description
		message KAPM15084-E shows the details of the LDAP connection error. Please refer to the following and correct the problem: For LDAP hierarchical structure model: Make sure the DN of the user account used for information searching is correct, and then re-execute the command `hcmds64ldapuser`. For LDAP flat model: Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is not registered.
KAPM15052-E	Authentication of the specified user has failed.	Authentication of the specified user failed. Perform one of the following procedures: For LDAP: If the KAPM15084-E message is displayed after this message, it shows the details of the LDAP connection error. Refer to the following to resolve the problem: 1. Make sure that the user is specified correctly. The user must be specified using only the user name, not the DN format. 2. Make sure that the password for the specified user is correct. 3. Make sure that the specified user is registered in the external authentication server and is enabled. 4. Check and, if necessary, revise the values of `basedn` and `attr` in `exauth.properties` for the corresponding server. 5. If an LDAP hierarchical structure model is used, do the following: - Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. - Make sure that the user account used for information searching has the necessary permissions.

Message ID	Message Text	Description
		6. If an LDAP flat model is used, use the `hcmds64ldapuser` command to confirm that the information for the server name specified for the `auth.server.name` attribute of `exauth.properties` is not registered. 7. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Make sure that the user is specified correctly. 2. Make sure that the password for the specified user is correct. 3. Make sure that the specified user is registered in the external authentication server and is enabled. 4. Make sure that the PAP and CHAP settings are valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15053-E	The specified user was not found.	The specified user was not found. Perform one of the following procedures: If the KAPM15084-E message is displayed after this message, it shows the details of the LDAP connection error. Refer to the following to resolve the problem: 1. Make sure that the user is specified correctly. The user must be specified using only the user name, not the DN format. 2. Make sure that the specified user is registered in the external authentication server and is enabled. 3. Check and, if necessary, revise the values of `basedn` and `attr` in `exauth.properties` for the corresponding server.

Message ID	Message Text	Description
		4. 4If an LDAP hierarchical structure model is used, do the following: - Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. - Make sure that the user account used for information searching has the necessary permissions. 5. If an LDAP flat model is used, use the `hcmds64ldapuser` command to confirm that the information for the server name specified for the `auth.server.name` attribute of `exauth.properties` is not registered. 6. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15054-E	The specified user was not found. (error code = *aa...aa*) *aa...aa*: Error code	The specified user was not found. Perform one of the following procedures: If the KAPM15084-E message is displayed after this message, it shows the details of the LDAP connection error. Refer to the following to resolve the problem: • Make sure that the user is specified correctly. The user must be specified using only the user name, not the DN format. • Make sure that the specified user is registered in the external authentication server and is enabled. • Check and, if necessary, revise the values of `basedn` and `attr` in `exauth.properties` for the corresponding server. • If an LDAP hierarchical structure model is used, do the following: - Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the

Message ID	Message Text	Description
		auth.server.name attribute in exauth.properties is registered. - Make sure that the user account used for information searching has the necessary permissions. • If an LDAP flat model is used, use the hcmds64ldapuser command to confirm that the information for the server name specified for the auth.server.name attribute of exauth.properties is not registered. • If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15056-E	The specified user was not found.	The specified user was not found. Perform the following: 1. Make sure that the specified user is registered in the external authentication server. 2. Check, and if necessary, revise the basedn and attr values for the corresponding server in exauth.properties. 3. If an LDAP hierarchical structure model is used, check the following: - Using the hcmds64ldapuser command, confirm that the information for the server name specified to the auth.server.name attribute of exauth.properties is registered. - Make sure the user who is used for searching for information has the correct permissions.
KAPM15057-E	A dn value is invalid.	A dn value is invalid. Perform the following: 1. Check, and if necessary, revise the basedn value for the corresponding server in the file exauth.properties. 2. If you use the hcmds64ldapuser command to register the information for the server specified for the attribute auth.server.name in the file

Message ID	Message Text	Description
		`exauth.properties` make sure you specify a valid value for the `dn` option.
KAPM15058-I	The message outputs LDAP connection information. (*aa...aa* = *bb...bb*, *aa...aa* = *bb...bb*, ...) *aa...aa*: Key *bb...bb*: Value	The message outputs LDAP connection information.
KAPM15059-E	*aa...aa* *aa...aa*: Error code details	This message displays details of the previous error message. Take action according to the preceding message.
KAPM15060-I	The file targeted for generation management was successfully saved.	The file specified by the command was saved successfully.
KAPM15061-E	No file targeted for generation management exists.	The file specified by the command does not exist. Correctly specify the path to the file to be saved.
KAPM15062-E	There is not enough free space to save the file.	There is not enough free space where the file is to be saved. Secure enough disk space where the file is to be saved, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15063-E	The specified management target is a directory.	A directory was specified for the argument of the option that specifies the file. Specify the absolute path to the file to be saved.
KAPM15064-E	The permissions for the file to be managed are invalid.	The permissions for the file specified by the command are invalid. Make sure that you have permissions for the specified file, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15065-E	An attempt to store the managed file has failed.	An attempt to save the specified file has failed. Check the permissions and location for the specified file, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15066-W	The specified number of generations exceeds the maximum (99).	The value of the option that specifies the number of generations exceeds the maximum. Specify a value from 2 to 98 for the number of generations.
KAPM15067-E	Creation of the directory has failed.	Creation of the directory has failed. Make sure that the location of the directory in which the specified file is to be saved is correct, and then re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15068-E	An option is invalid.	An option is invalid. Specify valid options.
KAPM15069-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15070-I	The hcmdsfilerotate command has started.	The `hcmdsfilerotate` command has started.
KAPM15071-I	The hcmdsfilerotate command has ended.	The `hcmdsfilerotate` command has ended.
KAPM15072-I	A file whose file number is 99 has been overwritten.	If the `hcmdsfilerotate` command executes 99 times or more within one second, all copied files whose file number was equal to or more than 99 (which is the maximum file number) will be saved with the file number "99".
KAPM15073-W	The command log cannot be output.	The command log cannot be output because an environment variable needed for the output is invalid.

Message ID	Message Text	Description
		Revise the environment variables set for outputting command log information. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15074-E	The value specified for an option is invalid.	This message indicates that the value specified for an option is invalid. Revise the values specified for the options.
KAPM15080-E	Authentication of the user account used for information searching has failed. (server name = *aa...aa*) *aa...aa*: Server name	Authentication of the user account used for information searching failed. Perform one of the following procedures: For LDAP hierarchical structure model: - Make sure the DN and the password of the user who is used for searching for information are correct, and then re-execute the `hcmds64ldapuser` command. For LDAP flat model: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is not registered.
KAPM15081-E	The DN of the user account used for information searching was not found. (server name = *aa...aa*) *aa...aa*: Server name	The DN of the user account used for information searching was not found. Perform one of the following procedures: For LDAP hierarchical structure model: - Make sure the DN of the user account used for information searching is correct, and then re-execute the command `hcmds64ldapuser`. For LDAP flat model: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is not registered.
KAPM15082-E	Authentication of the specified user has failed. (server name = *aa...aa*)	Authentication of the specified user failed. Perform one of the following procedures for LDAP:

Message ID	Message Text	Description
	aa...aa: Server name	1. Make sure the user is specified correctly. The user must be specified using only the user name, not the DN format. 2. Make sure the password for the specified user is correct. 3. Make sure the specified user is registered on the external authentication server and is enabled. 4. Check, and if necessary, revise the values of `basedn` and `attr` for the corresponding server in `exauth.properties`. 5. If an LDAP hierarchical structure model is used, check the following: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is registered. - Make sure the user who is used for searching for information has the correct permissions. 6. If an LDAP flat model is used, check the following: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is not registered. 7. If this does not resolve the problem, acquire the maintenance information, and then contact the customer support. For RADIUS: 1. Make sure the user is specified correctly. 2. Make sure the password of the specified user is specified correctly. 3. Make sure the specified user is registered on the external authentication server and is enabled. 4. Make sure that the PAP and CHAP settings are valid.

Message ID	Message Text	Description
		5. If this does not resolve the problem, acquire the maintenance information, and then contact the customer support.
KAPM15083-E	The specified user was not found. (server name = *aa...aa*) *aa...aa*: Server name	The specified user was not found. Perform the following procedure: 1. Make sure that the user is specified correctly. The user must be specified using only the user name, not the DN format. 2. Make sure that the specified user is registered in the external authentication server and is enabled. 3. Check and, if necessary, revise the values of `basedn` and `attr` in `exauth.properties` for the corresponding server. 4. If an LDAP hierarchical structure model is used, do the following: - Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. - Make sure that the user account used for information searching has the necessary permissions. 5. If an LDAP flat model is used, use the `hcmds64ldapuser` command to confirm that the information for the server name specified for the `auth.server.name` attribute of `exauth.properties` is not registered. 6. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15084-E	LDAP directory server error is detected. (information = *aa...aa*) *aa...aa*: Information	LDAP directory server error is detected.
KAPM15085-E	An SSL setting is invalid.	An SSL setting is invalid. Check and, if necessary, revise the SSL settings.

Message ID	Message Text	Description
KAPM15086-E	The specified user was not found. (server name = *aa...aa*) *aa...aa*: Server name	The specified user was not found. Perform the following: 1. Make sure that the specified user is registered in the external authentication server. 2. Check, and if necessary, revise the `basedn` and `attr` values for the corresponding server in `exauth.properties`. 3. If an LDAP hierarchical structure model is used, check the following: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is registered. - Make sure the user who is used for searching for information has the correct permissions.
KAPM15087-E	A dn value is invalid. (server name = *aa...aa*) *aa...aa*: Server name	A dn value is invalid. Perform the following: 1. Check, and if necessary, revise the `basedn` value for the corresponding server in the file `exauth.properties`. 2. If you use the `hcmds64ldapuser` command to register the information for the server specified for the attribute `auth.server.name` in the file `exauth.properties` make sure you specify a valid value for the `dn` option.
KAPM15088-I	The common-items check will now start.	The common-items check will now start.
KAPM15089-I	The results of the common-items check were normal.	The results of the common-items check were normal.
KAPM15090-E	The results of the common-items check include abnormal values.	The results of the common-items check include abnormal values. See the message KAPM*xxxxx*-E.
KAPM15091-I	The individual-realm check will now start.	The individual-realm check will now start.
KAPM15092-I	The results of the realm identified name *aa...aa* check were normal. *aa...aa*: Realm identified name	The results of the realm identified name *aa...aa* check were normal.

Message ID	Message Text	Description
KAPM15093-E	The results of the realm identified name *aa...aa* check include abnormal values. *aa...aa*: Realm identified name	The results of the realm identified name *aa...aa* check include abnormal values. See the message KAPM*xxxxx*-E.
KAPM15094-I	The results of the individual-realm check were normal.	The results of the individual-realm check were normal.
KAPM15095-E	The results of the individual-realm check include abnormal values.	The results of the individual-realm check include abnormal values. See the message KAPM*xxxxx*-E.
KAPM15096-E	The same value already exists. (line number = *aa...aa*, value = *bb...bb*) *aa...aa*: Line number *bb...bb*: Value	The same value already exists. There are duplicate *bb...bb* values on line *aa...aa*. Check and, if necessary, revise the configuration file, and then retry the operation.
KAPM15097-E	There is no auth.kerberos.<realm identification name>.realm that corresponds to auth.kerberos.default_realm.	There is no `auth.kerberos.`*realm-identification-name*`.realm` that corresponds to `auth.kerberos.default_realm`. Specify `auth.kerberos.`*realm-identification-name*`.realm` as the realm that corresponds to `auth.kerberos.default_realm` in `exauth.properties`.
KAPM15098-I	The server connection will now be checked. (user id = *aa...aa*, realm name = *bb...bb*) *aa...aa*: User ID *bb...bb*: Realm name	The server connection will now be checked.
KAPM15102-I	The hcmds64unlockaccount command has started.	The `hcmds64unlockaccount` command has started.
KAPM15103-I	The hcmds64unlockaccount command has finished.	The `hcmds64unlockaccount` command has finished.
KAPM15104-E	The hcmds64unlockaccount command cannot be executed on the secondary server. Execute this command on the primary server.	The `hcmds64unlockaccount` command cannot be executed on the secondary server. Execute this command on the primary server. Execute the `hcmds64unlockaccount` command on the primary server.
KAPM15105-E	The user account to be unlocked does not have the User Management permission.	The user account to be unlocked does not have the User Management permission. Specify a user who has the User Management permission.
KAPM15108-I	The user account was unlocked successfully.	The user account was unlocked successfully.

Message ID	Message Text	Description
KAPM15109-I	The user account "*aa...aa*" will now be unlocked. *aa...aa*: User name	The user account "*aa...aa*" will now be unlocked.
KAPM15110-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15111-E	A command option is invalid.	A command option is invalid. Check the options.
KAPM15112-E	No value has been specified for an option.	No value has been specified for an option. Check the options.
KAPM15113-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15114-E	Communication with the authentication server has failed.	Communication with the authentication server has failed. Make sure the HBase Storage Mgmt Common Service or the HBase Storage Mgmt Web Service on the server has started.
KAPM15115-E	The user ID or password is incorrect.	The user ID or password is incorrect. Make sure that the user ID and password are correct.
KAPM15116-E	An HSSOException occurred.	An HSSOException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15117-E	An IOException occurred.	An IOException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15118-E	An HcmdsIllegalArgumentException occurred.	An HcmdsIllegalArgumentException occurred. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15119-E	An HcmdsUserManagementException occurred.	An HcmdsUserManagementException occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15120-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15170-E	Acquisition of the installation path has failed.	Acquisition of the installation path has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15171-E	The command *aa...aa* will stop because internal processing failed. (details = *bb...bb*) *aa...aa*: Command name *bb...bb*: Details	The specified command will stop because internal processing failed. Re-execute the command. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15172-W	Log initialization failed.	Log initialization failed. If the problem occurs frequently, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15173-E	A memory allocation error occurred.	A memory allocation error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15174-E	The command *aa...aa* will stop because setting of an environment variable failed. (details = *bb...bb*) *aa...aa*: Command name	The command will stop because setting of an environment variable failed. Re-execute the command. If the problem cannot be resolved, detailed

Message ID	Message Text	Description
	bb...bb: Details	investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15175-E	An error occurred in an internal function. (function = *aa...aa*, error code = *bb...bb*) *aa...aa*: Function *bb...bb*: Error code	An error occurred in an internal function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15200-I	A connection was successfully established. (KDC = *aa...aa*) *aa...aa*: KDC	A connection was successfully established.
KAPM15201-E	An attempt to connect failed. (KDC = *aa...aa*) *aa...aa*: KDC	An attempt to connect failed. Make sure that the external authentication server is running correctly, and then perform the following procedure: 1. Make sure that the realm name and KDC specified in `exauth.properties` are correct. 2. Make sure that the network is correctly connected. 3. Check the firewall settings. 4. Make sure that Kerberos is compatible with the external authentication server. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15202-E	An attempt to connect to the DNS server failed.	An attempt to connect to the DNS server failed. Check and, if necessary, revise the DNS server settings.
KAPM15203-E	On the DNS server,the SRV record corresponding to the realm name is not defined. (realm name = *aa...aa*) *aa...aa*: Realm name	On the DNS server,the SRV record corresponding to the realm name is not defined. Perform one of the following procedures: • Make sure that the realm name is correct.

Message ID	Message Text	Description
		• On the DNS server, define the SRV record corresponding to the realm name.
KAPM15204-E	An unexpected error occurred on the DNS server.	An unexpected error occurred on the DNS server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15205-E	The KDC resolution failed. (KDC = *aa...aa*) *aa...aa*: KDC	The KDC resolution failed. Check and, if necessary, revise the DNS server settings.
KAPM15206-E	An attempt to authenticate failed. (KDC = *aa...aa*) *aa...aa*: KDC	An attempt to authenticate failed. Perform one of the following procedures: • Make sure the specified user is registered on the external authentication server. • Check the password of the specified user. • Make sure the time difference between servers not exceeds the specified value in the `exauth.properties`. • Make sure the authentication user password has not expired. • Make sure the authentication user account is not invalid.
KAPM15207-E	The specified user was not found. (KDC = *aa...aa*) *aa...aa*: KDC	The specified user was not found. Make sure the specified user is registered on the external authentication server.
KAPM15208-E	The specified password is invalid. (KDC = *aa...aa*) *aa...aa*: KDC	The specified password is invalid. Check the password of the specified user.
KAPM15209-E	The time difference between servers exceeds the specified value in exauth.properties. (KDC = *aa...aa*) *aa...aa*: KDC	The time difference between servers exceeds the specified value in the `exauth.properties`. Make sure that the server times are synchronized.
KAPM15210-E	The authentication user password has expired. (KDC = *aa...aa*) *aa...aa*: KDC	The authentication user password has expired. Change the password of the specified user.
KAPM15211-E	The authentication user account is invalid. (KDC = *aa...aa*)	The authentication user account is invalid.

Message ID	Message Text	Description
	aa...aa: KDC	Validate the registered user on the external authentication server.
KAPM15212-I	Check the DNS server to confirm the connection status.	Check the DNS server to confirm the connection status.
KAPM15213-I	Use the default realm to confirm the connection status.	Use the default realm to confirm the connection status.
KAPM15214-E	The command cannot be executed on the secondary server.	The command cannot be executed on the secondary server. Execute the command on the primary server.
KAPM15215-E	Creation of the file failed. (file name = *aa...aa*) *aa...aa*: File name	Creation of the file failed. (file name = *aa...aa*) Perform one of the following procedures: • Make sure the file path is correct. • Make sure you have permission to create a file on the specified path. • Make sure there are no files that have the same name as the specified file.
KAPM15216-E	A syntax error occurred.	A syntax error occurred. See the message KAPM*xxxxx*-E.
KAPM15217-W	The DBMS is not running.	The DBMS is not running. Make sure that the DBMS is running.
KAPM15218-W	The DBMS is blocked.	The DBMS is blocked. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15219-W	An error occurred while the DBMS was being accessed.	An error occurred while the DBMS was being accessed. Confirm that the DBMS, HBase Storage Mgmt Web service, and HBase Storage Mgmt Common service are running. If they are running, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15220-W	The user to be authenticated was not found in the DBMS. (user id = *aa...aa*) *aa...aa*: User ID	The user to be authenticated was not found in the DBMS. (user id = *aa...aa*) Make sure *aa...aa* is registered in the DBMS.
KAPM15221-W	An unexpected error occurred on the DBMS.	An unexpected error occurred on the DBMS.

Message ID	Message Text	Description
		Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15222-E	Acquisition of the KDC from *aa...aa* failed. *aa...aa*: Realm name	Acquisition of the KDC from *aa...aa* failed. Perform one of the following procedures: • Make sure that the realm name is correct. • Make sure that there is a KDC corresponding to the realm name.
KAPM15223-E	An unexpected error occurred. (KDC = *aa...aa*) *aa...aa*: KDC	An unexpected error occurred. (KDC = *aa...aa*) Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15224-W	The specified user is not registered in the DBMS as a user of the Kerberos authentication method. (user id = *aa...aa*) *aa...aa*: User ID	The specified user is not registered in the DBMS as a user of the Kerberos authentication method. (user id = *aa...aa*) Perform one of the following procedures: • Change the specified user authentication method to Kerberos. • Create a new user of the Kerberos authentication method.
KAPM15225-W	The configuration file contains a syntax error. (line number = *aa...aa*, value = *bb...bb*) *aa...aa*: Line number *bb...bb*: Value	The configuration file contains a syntax error. The value *bb...bb* on line *aa...aa* caused a syntax error. Check and, if necessary, revise the configuration file, and then retry the operation.
KAPM15226-E	An information search user is not registered. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	An information search user is not registered. Register an information search user for *bb...bb*.
KAPM15227-I	Group linkage is enabled.	Group linkage is enabled.
KAPM15228-W	The external authentication group was not linked to because an authentication user was found on the DBMS.	The external authentication group was not linked to because an authentication user was found on the DBMS.

Message ID	Message Text	Description
		When linking to an external authentication group, specify a user not registered in Hitachi Command Suite.
KAPM15229-I	Group acquisition for the server will now be checked. (*aa...aa* = *bb...bb*, host = *cc...cc*, port = *dd...dd*, protocol = *ee...ee*) *aa...aa*: Property name *bb...bb*: Property value *cc...cc*: Host name *dd...dd*: Port number *ee...ee*: Protocol	Group acquisition for the server will now be checked.
KAPM15230-I	Group acquisition was successful.	Group acquisition was successful.
KAPM15231-E	Group acquisition failed.	Group acquisition failed. Perform one of the following actions: • Make sure that the specified user is registered in a group. • Check, and if necessary, revise the values of `basedn` for the corresponding server in `exauth.properties`.
KAPM15232-E	The group was not registered.	The group was not registered. Register the group to the specified user. Alternatively, specify the user to whom the group is registered.
KAPM15233-E	On the DNS server,the SRV record corresponding to the domain name is not defined. (domain name = *aa...aa*) *aa...aa*: Domain name	On the DNS server, the SRV record corresponding to the domain name is not defined. Perform one of the following actions: • On the DNS server, define the SRV record corresponding to the domain name. • Make sure that the domain name is correct.
KAPM15234-I	The DNS server has been referenced. (*aa...aa* = *bb...bb*, domain name = *cc...cc*) *aa...aa*: Property name *bb...bb*: Property value *cc...cc*: Domain name	The DNS server has been referenced.
KAPM15235-E	A server error occurred. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	A server error occurred. Perform the following procedure:

Message ID	Message Text	Description
		1. Confirm whether the authentication server can be accessed by using the host, port, and protocol set in `exauth.properties`, and check the settings of the external authentication server and the status of the network. 2. Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. 3. If StartTLS is used, check the SSL settings. 4. If an OCSP is enabled, make sure that the certificate is valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15236-E	A check cannot be performed because the group definition is invalid.	A check cannot be performed because the group definition is invalid. Revise the `auth.group.mapping` value, and then retry the operation.
KAPM15237-I	Group acquisition was successful. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	Group acquisition was successful.
KAPM15238-E	Group acquisition failed. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	Group acquisition failed. Perform one of the following actions: • Make sure that the specified user is registered in a group. • Check, and if necessary, revise the values of `basedn` for the corresponding server in `exauth.properties`.
KAPM15239-E	The group was not registered. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	The group was not registered. Register the group to the specified user. Alternatively, specify the user to whom the group is registered.
KAPM15240-E	On the DNS server,the SRV record corresponding to the domain name is not defined. (*aa...aa* = *bb...bb*)	On the DNS server,the SRV record corresponding to the domain name is not defined. Perform one of the following actions:

Message ID	Message Text	Description
	aa...aa: Property name *bb...bb*: Property value	• On the DNS server, define the SRV record corresponding to the domain name. • Make sure that the domain name is correct.
KAPM15241-E	An attempt to connect to the DNS server failed. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	An attempt to connect to the DNS server failed. Check and, if necessary, revise the DNS server settings.
KAPM15242-E	An unexpected error occurred on the DNS server. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	An unexpected error occurred on the DNS server. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15243-E	The common items cannot be checked because they are not set correctly.	The common items cannot be checked because they are not set correctly. Revise the settings for the common items, and then retry the operation.
KAPM15244-I	The connection for realm *aa...aa* was checked. *aa...aa*: Realm name	The connection for realm *aa...aa* was checked.
KAPM15245-I	A connection was successfully established. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	A connection was successfully established.
KAPM15246-E	A connection attempt has failed. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	A connection attempt has failed. Make sure that the external authentication server is running correctly, and then perform one of the following procedures: For LDAP: 1. Make sure that the host or IP address, port, and protocol specified in `exauth.properties` are correct. 2. Make sure that the network is correctly connected. 3. Check the firewall settings. 4. Make sure that the LDAP directory server is compatible with the LDAPv3 protocol. 5. If StartTLS is used, check the SSL settings. For StartTLS, specify the host, not the IP address.

Message ID	Message Text	Description
		6. If an OCSP is enabled, check the following: - Make sure that the certificate is valid. 7. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Make sure that the host or IP address, port, and protocol specified in `exauth.properties` are correct. 2. Check and then respecify the client secret set for the external authentication server and the secret set for the client. 3. Make sure that the network is correctly connected. 4. Check the firewall settings. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15247-E	Authentication of the user account used for information searching has failed. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	Authentication of the user account used for information searching failed. Perform one of the following procedures: For LDAP hierarchical structure model: - Make sure the DN and the password of the user who is used for searching for information are correct, and then re-execute the `hcmds64ldapuser` command. For LDAP flat model: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is not registered.
KAPM15248-E	The DN of the user account used for information searching was not found. (*aa...aa* = *bb...bb*)	The DN of the user account used for information searching was not found. Perform one of the following procedures:

Message ID	Message Text	Description
	aa...aa: Property name *bb...bb*: Property value	For LDAP hierarchical structure model: - Make sure the DN of the user account used for information searching is correct, and then re-execute the command `hcmds64ldapuser`. For LDAP flat model: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is not registered.
KAPM15249-E	Authentication of the specified user has failed. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	Authentication of the specified user failed. Perform one of the following procedures: For LDAP: 1. Make sure that the user is specified correctly. The user must be specified using only the user name, not the DN format. 2. Make sure that the password for the specified user is correct. 3. Make sure that the specified user is registered in the external authentication server and is enabled. 4. Check and, if necessary, revise the values of `basedn` and `attr` in `exauth.properties` for the corresponding server. 5. If an LDAP hierarchical structure model is used, do the following: - Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. - Make sure that the user account used for information searching has the necessary permissions. 6. If an LDAP flat model is used, use the `hcmds64ldapuser` command to confirm that the information for the server name specified for the `auth.server.name` attribute of `exauth.properties` is not registered. 7. If the problem cannot be resolved, detailed investigation is required

Message ID	Message Text	Description
		to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. For RADIUS: 1. Make sure that the user is specified correctly. 2. Make sure that the password for the specified user is correct. 3. Make sure that the specified user is registered in the external authentication server and is enabled. 4. Make sure that the PAP and CHAP settings are valid. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15250-E	The specified user was not found. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	The specified user was not found. Perform the following procedure: 1. Make sure that the user is specified correctly. The user must be specified using only the user name, not the DN format. 2. Make sure that the specified user is registered in the external authentication server and is enabled. 3. Check and, if necessary, revise the values of `basedn` and `attr` in `exauth.properties` for the corresponding server. 4. If an LDAP hierarchical structure model is used, do the following: - Use the `hcmds64ldapuser` command to confirm that the information for the server names specified for the `auth.server.name` attribute in `exauth.properties` is registered. - Make sure that the user account used for information searching has the necessary permissions. 5. If an LDAP flat model is used, use the `hcmds64ldapuser` command

Message ID	Message Text	Description
		to confirm that the information for the server name specified for the `auth.server.name` attribute of `exauth.properties` is not registered. 6. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15251-E	The specified user was not found. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	The specified user was not found. Perform the following: 1. Make sure that the specified user is registered in the external authentication server. 2. Check, and if necessary, revise the `basedn` and `attr` values for the corresponding server in `exauth.properties`. 3. If an LDAP hierarchical structure model is used, check the following: - Using the `hcmds64ldapuser` command, confirm that the information for the server name specified to the `auth.server.name` attribute of `exauth.properties` is registered. - Make sure the user who is used for searching for information has the correct permissions.
KAPM15252-E	A dn value is invalid. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	A dn value is invalid. Perform the following: 1. Check, and if necessary, revise the `basedn` value for the corresponding server in the file `exauth.properties`. 2. If you use the `hcmds64ldapuser` command to register the information for the server specified for the attribute `auth.server.name` in the file `exauth.properties` make sure you specify a valid value for the `dn` option.
KAPM15253-E	The JP1/Base connection could not be verified because the authentication user was not found in the DBMS.	The JP1/Base connection could not be verified because the authentication user was not found in the DBMS.

Message ID	Message Text	Description
		Delete the specified user from the suite product DBMS, or specify a user who is not registered in the suite product database.
KAPM15254-E	HiCommand Base does not support this version of JP1/Base.	HiCommand Base does not support this version of JP1/Base. Use JP1/Base 10-00 or later.
KAPM15255-E	Acquisition of the JP1/Base version failed.	Acquisition of the JP1/Base version failed. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15256-E	An attempt to connect to JP1/Base failed.	An attempt to connect to JP1/Base failed. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15257-E	JP1/Base initialization failed.	JP1/Base initialization failed. Verify that JP1/Base on the primary server is running properly. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15258-I	The JP1/Base connection will now be checked.	The JP1/Base connection will now be checked.
KAPM15259-I	The JP1/Base connection was successfully checked.	The JP1/Base connection was successfully checked.
KAPM15260-E	JP1/Base user authentication failed.	JP1/Base user authentication failed. Enter the correct user ID and password. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15261-E	JP1/Base authentication failed because the user ID or password is incorrect.	JP1/Base authentication failed because the user ID or password is incorrect. Enter the correct user ID and password.
KAPM15262-I	HiCommand Base will now check whether user permission information can be acquired from JP1/Base.	HiCommand Base will now check whether user permission information can be acquired from JP1/Base.
KAPM15263-I	User permission information was successfully acquired from JP1/Base.	User permission information was successfully acquired from JP1/Base.
KAPM15264-E	Permissions have not been assigned to the user in JP1/Base.	Permissions have not been assigned to the user in JP1/Base. Assign permissions to the user from JP1/Base.
KAPM15265-E	JP1/Base is not installed.	JP1/Base is not installed. Install JP1/Base on the primary server.
KAPM15266-E	Acquisition of user permission information from JP1/Base failed.	Acquisition of user permission information from JP1/Base failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15267-E	This JP1/Base version is not supported.	This JP1/Base version is not supported. Use JP1/Base 10-00 or later.
KAPM15268-I	The user permission information will now be acquired from JP1/Base and checked.	The user permission information will now be acquired from JP1/Base and checked.
KAPM15269-E	The value of the property could not be acquired. (property name = *aa...aa*) *aa...aa*: Property name	The value of the property could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15270-E	An attempt to acquire an SSL setting failed. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	An attempt to acquire an SSL setting failed. Review the SSL configuration of `exauth.properties`. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the

Message ID	Message Text	Description
		customer support center, who might ask you to collect troubleshooting information.
KAPM15271-E	There is no supported cipher suite. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	There is no supported cipher suite. Review the cipher suites configuration of `exauth.properties`. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM15272-E	There is no supported protocol. (*aa...aa* = *bb...bb*) *aa...aa*: Property name *bb...bb*: Property value	There is no supported protocol. Review the protocol configuration of `exauth.properties`. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM15273-I	Multi-domain LDAP authentication is enabled.	Multi-domain LDAP authentication is enabled.
KAPM15274-E	The following attributes cannot be enabled at the same time: "auth.ldap.multi_domain" and "auth.ldap.<server-identification-name>.dns_lookup".	The following attributes cannot be enabled at the same time: "`auth.ldap.multi_domain`" and "`auth.ldap.`<*server-identification-name*>`.dns_lookup`". Revise the values set for "`auth.ldap.multi_domain`" and "`auth.ldap.`<*server-identification-name*>`.dns_lookup`" in the "`exauth.properties`" file.
KAPM15275-I	The server connection will now be checked. (user ID = *aa...aa*) *aa...aa*: User ID	The server connection will now be checked.
KAPM15276-I	The server connection will now be checked. (user ID = *aa...aa*, domain name = *bb...bb*) *aa...aa*: User ID *bb...bb*: Domain name	The server connection will now be checked.
KAPM15277-E	There is no configuration corresponding to the specified domain name. (domain name = *aa...aa*) *aa...aa*: Domain name	There is no configuration whose domain name matches the specified domain name. Make sure the domain specified as part of the user ID is correct.
KAPM15278-W	Failed to access the database.	Failed to access the database. Make sure the DBMS is running.

Message ID	Message Text	Description
KAPM15300-I	The hcmdslicense3 command started.	The `hcmdslicense3` command started.
KAPM15301-I	The hcmdslicense3 command successfully executed.	The `hcmdslicense3` command successfully executed.
KAPM15302-E	The hcmdslicense3 command failed.	The `hcmdslicense3` command failed.
KAPM15303-I	The *aa...aa* function started. *aa...aa*: function name	The function started.
KAPM15304-I	The *aa...aa* function ended. *aa...aa*: function name	The function ended.
KAPM15305-E	Acquisition of the installation path failed.	Acquisition of the installation path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15306-E	One or more options are invalid.	One or more options are invalid. Check the options.
KAPM15307-E	Allocation of memory to store the log file path failed.	Allocation of memory to store the log file path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15308-E	Log initialization failed.	Log initialization failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15309-I	The license was successfully displayed.	The license was successfully displayed.
KAPM15310-E	An attempt to display the license failed.	An attempt to display the license failed.
KAPM15311-E	Encoding failed.	Encoding failed.
KAPM15312-E	Decoding failed.	Decoding failed.
KAPM15313-I	License registration processing started.	License registration processing started.
KAPM15314-I	License deletion processing started.	License deletion processing started.
KAPM15315-I	License display processing started.	License display processing started.

Message ID	Message Text	Description
KAPM15316-I	License reset processing started.	License reset processing started.
KAPM15317-E	The entered total capacity license is not supported.	The entered total capacity license is not supported. Enter a valid license.
KAPM15318-E	The entered server capacity license is not supported.	The entered server capacity license is not supported. Enter a valid license.
KAPM15319-I	The license key was processed. (identifier = *aa...aa*, number = *bb...bb*) *aa...aa*: Identifier *bb...bb*: Number	The message displays information about the processed license key.
KAPM15320-I	*aa...aa* *aa...aa*: Command line argument	The message displays the command-line options.
KAPM15321-E	A memory allocation error occurred.	A memory allocation error occurred. Retry execution. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15322-E	Exclusion processing failed. (function = *aa...aa*, detailed error code = *bb...bb*) *aa...aa*: Function *bb...bb*: Detailed error code	Exclusion processing failed. Retry the operation. If the problem is not resolved, a detailed investigation is required to determine the cause and resolve the problem. Collect failure information, and then contact the customer support.
KAPM15323-E	Exclusive control has failed.	Exclusive control has failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15324-E	Information related to the exclusion control failure will be output. (function name = *aa...aa*, detailed error code = *bb...bb*, processing time = *cc...cc*) *aa...aa*: Function name *bb...bb*: Detailed error code *cc...cc*: Processing time	Information related to the exclusion control failure will be output. Take action according to the previous message.

Message ID	Message Text	Description
KAPM15325-E	An attempt to release the lock failed.	An attempt to release the lock failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15330-I	Processing ended normally. (*aa...aa* : *bb...bb*) *cc...cc* *aa...aa*: return code *bb...bb*: error code *cc...cc*: license information	Processing ended normally.
KAPM15331-E	The system environment is invalid.	The system environment is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15332-E	The license has expired.	The license has expired. Enter a valid license key or license key file.
KAPM15333-E	The entered license key is invalid. (*aa...aa* : *bb...bb*) *cc...cc* *aa...aa*: return code *bb...bb*: error code *cc...cc*: license information	The entered license key is invalid. Enter a valid license key.
KAPM15334-E	The license key file that was entered could not be found.	The license key file that was entered could not be found. Enter a valid license key file.
KAPM15335-E	The license key file that was entered is invalid.	The license key file that was entered is invalid. Enter a valid license key file.
KAPM15336-E	The license key to be processed does not exist in the license key file.	The license key to be processed does not exist in the license key file. Enter a valid license key file.
KAPM15337-E	The license to be deleted does not exist.	The license to be deleted does not exist. Specify another license to delete.
KAPM15338-E	The entered subscription license key has expired.	The entered subscription license key has expired. Enter a valid subscription license.
KAPM15400-I	A Daemon will now start.	A Daemon will now start.

Message ID	Message Text	Description
KAPM15401-I	A Daemon has stopped.	A Daemon has stopped.
KAPM15402-E	A Daemon has terminated abnormally. Code=[*aa...aa*] *aa...aa*: end code of Daemon	A Daemon has terminated abnormally. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15411-I	hcmdssvlog [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: command line argument *bb...bb*: command line argument	The options specified for the command are displayed.
KAPM15417-E	An option is invalid. Code=[*aa...aa*], Data=[*bb...bb*] *aa...aa*: code indicating the error location *bb...bb*: problematic option and its value	An option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15418-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15422-E	The option is invalid.	The option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15423-E	The specified value of option is invalid. (option = *aa...aa*) *aa...aa*: option name	The specified value of option is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15424-E	The directory *aa...aa* does not exist. *aa...aa*: directory name	The directory *aa...aa* does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15425-E	A file with the same name as the specified directory already exists. (file = *aa...aa*) *aa...aa*: file name	A file with the same name as the specified directory already exists. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15426-E	The license information file does not exist in the specified directory. (license information file = *aa...aa*) *aa...aa*: license information file	The license information file does not exist in the specified directory. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15427-E	The license information file cannot be accessed. (license information file = *aa...aa*) *aa...aa*: license information file	The license information file cannot be accessed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15428-E	The license information file might be corrupted. (license information file = *aa...aa*) *aa...aa*: license information file	The license information file might be corrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15429-E	The license information file at the transfer destination cannot be accessed. (license information file = *aa...aa*) *aa...aa*: license information file	The license information file at the transfer destination cannot be accessed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15430-E	An attempt to write to the license information file failed. (license information file = *aa...aa*) *aa...aa*: license information file	An attempt to write to the license information file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15431-E	Comparison of the license definition files at the transfer source and transfer destination failed.	Comparison of the license definition files at the transfer source and transfer destination failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15433-E	An attempt to give the license information file the hidden attribute failed.	An attempt to give the license information file the hidden attribute failed.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15434-E	An attempt to transfer license information in the DKC_info format failed.	An attempt to transfer license information in the DKC_info format failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15435-E	The numbers of license information items on the transfer source and the transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: number of license information items on transfer source *bb...bb*: number of license information items on transfer destination	The numbers of license information items on the transfer source and the transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15436-E	The status lines of the license information files at the transfer source and transfer destination do not match. (line number = *aa...aa*) *aa...aa*: line number of the license information file at the transfer source	The status lines of the license information files at the transfer source and transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15437-E	The PPID values of the transfer source and transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: PPID value of the transfer source *bb...bb*: PPID value of the transfer destination	The PPID values of the transfer source and transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15438-E	The device numbers of the transfer source and transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: device number of the transfer source *bb...bb*: device number of the transfer destination	The device numbers of the transfer source and transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15439-E	The license key types of the transfer source and the transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: license key type of the transfer source *bb...bb*: license key type of the transfer destination	The license key types of the transfer source and the transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15440-E	The device types of the transfer source and the transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: device type of the transfer source *bb...bb*: device type of the transfer destination	The device types of the transfer source and the transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15442-E	The license capacities of the transfer source and the transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: license capacity of the transfer source *bb...bb*: license capacity of the transfer destination	The license capacities of the transfer source and the transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15443-E	The expiration dates of the transfer source and the transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: expiration date of the transfer source *bb...bb*: expiration date of the transfer destination	The expiration dates of the transfer source and the transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15444-E	The serial numbers of the transfer source and the transfer destination do not match. (transfer source = *aa...aa*, transfer destination = *bb...bb*) *aa...aa*: serial number of the transfer source *bb...bb*: serial number of the transfer destination	The serial numbers of the transfer source and the transfer destination do not match. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15445-E	The license information file at the transfer destination cannot be accessed. (type = *aa...aa*) *aa...aa*: product name	The license information file at the transfer destination cannot be accessed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15446-E	The license information file at the transfer destination might be corrupted. (type = *aa...aa*) *aa...aa*: product name	The license information file at the transfer destination might be corrupted. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15447-E	Execution of the hcmdssethiddenfile command failed.	Execution of the `hcmdssethiddenfile` command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15448-I	The hcmdslicenseconvert command ended normally.	The `hcmdslicenseconvert` command ended normally.
KAPM15449-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15450-I	hcmdslicenseconvert [*aa...aa*] {,[*bb...bb*],.....[.....]} *aa...aa*: command line argument *bb...bb*: command line argument	This message displays the command line arguments that were specified for the command.
KAPM15451-E	An attempt to transfer a license failed because the fixed character string inserted into the license information file on the transfer destination was invalid.	An attempt to transfer a license failed because the fixed character string inserted into the license information file on the transfer destination was invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15452-I	License information before migration: *aa...aa* *aa...aa*: License information	This message displays the license information before migration.
KAPM15460-I	The hcmds64chgjdk command started.	The `hcmds64chgjdk` command started.

Message ID	Message Text	Description
KAPM15461-I	The hcmds64chgjdk command successfully ended.	The `hcmds64chgjdk` command successfully ended.
KAPM15462-E	The hcmds64chgjdk command failed.	The `hcmds64chgjdk` command failed.
KAPM15463-I	The *aa...aa* function started. *aa...aa*: function name	A function started.
KAPM15464-I	The *aa...aa* function ended. *aa...aa*: function name	A function ended.
KAPM15465-E	Acquisition of the installation path failed.	Acquisition of the installation path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15466-E	One or more options are invalid.	One or more command options are invalid. Revise the options.
KAPM15467-E	Allocation of memory to store the log file path failed.	Allocation of memory to store the log file path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15468-E	Log initialization failed.	Log initialization failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15469-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15470-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15471-I	The hcmds64chgjdk command ended.	The `hcmds64chgjdk` command ended.

Message ID	Message Text	Description
KAPM15472-I	The JDK being used was changed.	The JDK being used was changed.
KAPM15473-I	The JDK being used was not changed.	The JDK being used was not changed.
KAPM15474-E	The platform is not supported.	The platform is not supported.
KAPM15475-E	Creation of a symbolic link failed.	Creation of a symbolic link failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15476-W	A JDK could not be detected from the installation information of this OS.	A JDK could not be detected from the installation information of this OS. A JDK could not be detected from the installation information of this OS. If the OS is Solaris or Linux and the default installation destination for the Oracle JDK is changed, the Oracle JDK installation destination cannot be acquired, and the Oracle JDK will not appear as a choice in the JDK selection window. To change the JDK that is used, select Use the Java Development Kit bundled with the product or Set the installation path to a Java Development Kit.
KAPM15477-E	Detection of a JDK failed.	Detection of a JDK failed. Make sure that a JDK is installed. If this error occurs again, directly enter the JDK installation path.
KAPM15478-I	JDK version = *aa...aa* *aa...aa*: JDK version	Indicates the JDK version.
KAPM15479-I	JDK currently being used: name = *aa...aa* *aa...aa*: JDK type	Indicates the JDK currently being used.
KAPM15480-I	Selected JDK: name = *aa...aa*, installation path = *bb...bb* *aa...aa*: JDK type *bb...bb*: JDK installation path	Indicates the selected JDK.
KAPM15481-E	The file "*aa...aa*" does not exist. *aa...aa*: file name	The specified file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15482-E	Execution of the *aa...aa* command failed.	Execution of a command failed.

Message ID	Message Text	Description
	aa...aa: command name	To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15483-I	Enter the number of the JDK to use.	Enter the number of the JDK to use.
KAPM15484-I	JDK currently being used: *aa...aa* *aa...aa*: JDK type	Indicates the JDK currently being used.
KAPM15485-I	Enter the JDK installation path.	Enter the JDK installation path.
KAPM15486-I	To maintain the current settings, do not enter anything, and then press [Enter].	To maintain the current settings, do not enter anything, and then press [**Enter**].
KAPM15487-I	Bundled JDK	Indicates the bundled JDK.
KAPM15488-I	Enter the JDK installation path.	Enter the JDK installation path.
KAPM15489-E	The specified value is invalid.	The specified value is invalid. Revise the specified value.
KAPM15490-E	The specified JDK could not be used.	The specified JDK could not be used. Check the status of the installed JDK.
KAPM15491-I	Detected JDK: name = *aa...aa*, installation path = *bb...bb* *aa...aa*: JDK type *bb...bb*: JDK installation path	Indicates the detected JDK.
KAPM15492-E	The file system at the installation destination is not NTFS.	The file system at the installation destination is not NTFS.
KAPM15493-E	An error occurred during execution of the *aa...aa* command. *aa...aa*: command name	An error occurred during command execution. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15494-E	An attempt to copy from the file "*aa...aa*" to the file "*bb...bb*" failed. *aa...aa*: name of the source file *bb...bb*: name of the destination file	An attempt to copy from one file to another file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15495-E	An attempt to edit the file "*aa...aa*" failed. *aa...aa*: file name	An attempt to edit a file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM15496-I	The command was executed. (command name = *aa...aa*, return code = *bb...bb*) *aa...aa*: Command name *bb...bb*: Return code	The command was executed.
KAPM15497-E	A memory allocation error occurred.	A memory allocation error occurred. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15500-I	Execution of the "*aa...aa*" command has started. *aa...aa*: Command name	Execution of the "*aa...aa*" command has started.
KAPM15501-I	The command was executed. (command name = *aa...aa*, return code = *bb...bb*) *aa...aa*: Command name *bb...bb*: Return code	The command was executed.
KAPM15502-E	The error has occurred in *aa...aa* command. code=*bb...bb* *aa...aa*: Command *bb...bb*: Error code	The error has occurred in *aa...aa* command. Confirm that there are no syntax errors in the command specification. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15503-I	*aa...aa* *aa...aa*: Command line argument	The message displays the command-line options.
KAPM15504-E	An error occurred in an internal function. (function = *aa...aa*, error code = *bb...bb*) *aa...aa*: Function *bb...bb*: Error code	An error occurred in an internal function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15505-E	Log initialization failed.	Log initialization failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM15506-E	Acquisition of the installation path failed.	Acquisition of the installation path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15507-E	Allocation of memory to store the log file path failed.	Allocation of memory to store the log file path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15510-I	The hcmdsdbpdls command ended successfully.	The `hcmdsdbpdls` command ended successfully.
KAPM15511-E	Execution of the hcmdsdbpdls command failed.	Execution of the `hcmdsdbpdls` command failed. See the KAPM*xxxxx*-E message output right before this message.
KAPM15512-E	An option is invalid.	An option is invalid. Specify a valid option, and then re-execute the command.
KAPM15513-E	The directory does not exist. (directory path = *aa...aa*) *aa...aa*: Directory path	The directory does not exist. Confirm that the directory exists.
KAPM15514-E	Hitachi Command Suite Common Component has not been installed.	Hitachi Command Suite Common Component has not been installed. Confirm that Hitachi Command Suite Common Component has been installed.
KAPM15515-E	Execution of the pdls command failed.	Execution of the `pdls` command failed. Start the DBMS. If the DBMS is already running, determine the cause of the problem, and resolve it. Collect the error information, and then contact the customer support.
KAPM15516-I	The pdls command execution results: *aa...aa* *aa...aa*: Screen output of the executed command	The `pdls` command execution results
KAPM15517-I	The hcmdsdbpdls command has started.	The `hcmdsdbpdls` command has started.

Message ID	Message Text	Description
KAPM15518-I	A connection with HiRDB has been established.	A connection with HiRDB has been established.
KAPM15519-I	A connection with HiRDB has not been established.	A connection with HiRDB has not been established.
KAPM15520-E	An attempt to output a file has failed. (file path = *aa...aa*) *aa...aa*: File path	An attempt to output a file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15521-E	The path is not an absolute path. (file path = *aa...aa*) *aa...aa*: File path	The path is not an absolute path. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15522-E	Acquisition of the HiCommand Base installation path failed.	Acquisition of the HiCommand Base installation path failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15523-E	An attempt to set the environment variable has failed.	An attempt to set the environment variable failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15524-W	An attempt to delete the file failed. (file path = *aa...aa*) *aa...aa*: File path	An attempt to delete the file failed. Confirm the following, and then manually delete the CSV file: - The file is not in use. - You have the proper access permissions.
KAPM15525-E	An attempt to delete the file to which the HiRDB connection status is output failed. (file path = *aa...aa*) *aa...aa*: File path	An attempt to delete the file to which the HiRDB connection status is output failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15526-E	Analysis of the pdls results failed.	Analysis of the `pdls` results failed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15527-E	Memory allocation failed.	Memory allocation failed. Retry the operation. If the problem persists, collect the maintenance information, and then contact the customer support.
KAPM15528-E	An error occurred in an internal function. (function = *aa...aa*, error code = *bb...bb*) *aa...aa*: Function *bb...bb*: Error code	An error occurred in an internal function. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15529-E	One or more arguments specified for the hcmdsPutenv function are invalid.	One or more arguments specified for the `hcmdsPutenv` function are invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15530-W	An attempt to output the execution results of the pdls command to the log file failed.	An attempt to output the execution results of the `pdls` command to the log file failed.
KAPM15550-E	Acquisition of the version of *aa...aa* failed. *aa...aa*: Product name	Acquisition of the product version failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15551-E	The system environment is invalid.	The system environment is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15552-E	Reading of the file failed. (file name = *aa...aa*) *aa...aa*: File path	Reading of the file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15553-E	The product version of the backup is different from the product version of the current environment.	The product version associated with the data backed up with the `hcmds64db` command is different from the product version of the environment attempting to be restored to.

Message ID	Message Text	Description
		Make the version of the product being restored to the same as the version of the product when it was backed up, and then re-execute the command. If the problem is not resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15554-W	Deletion of a file failed. (file name = *aa...aa*) *aa...aa*: File path	Deletion of a temporary file used by this command failed. Confirm the following points, manually delete the file, and then re-execute the command: • Confirm that the file is not in use. • Confirm that you have the proper permissions. If the problem is not resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15555-W	Deletion of a directory failed. (directory name = *aa...aa*) *aa...aa*: Directory path	Deletion of a temporary directory used by this command failed. Confirm the following points, manually delete the directory, and then re-execute the command: • Confirm that the directory is not in use. • Confirm that you have the proper permissions. If the problem is not resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15556-W	Creation of a directory failed. (directory name = *aa...aa*) *aa...aa*: Directory path	Creation of a temporary directory used by this command failed. Confirm the point below, manually delete the directory, and then re-execute the command. If the problem is not resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information. • Confirm that you have the proper permissions.

Message ID	Message Text	Description
KAPM15557-E	The configuration of the product when it was backed up is different from the configuration of the product in the current environment.	The configuration of the product when it was backed up is different from the configuration of the product in the current environment. Make the configuration of the product being restored to the same as the configuration of the product when it was backed up, and then re-execute the command. If the problem is not resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15558-I	*aa...aa* *aa...aa*: Standard error output	The message content is the standard error output when the command is executed. Take action according to the message that was output either before or after this message.
KAPM15560-I	The host name was changed successfully. (before = *aa...aa*, after = *bb...bb*) *aa...aa*: Host name before change *bb...bb*: Host name after change	The host name was changed successfully.
KAPM15561-I	The set host name will now be displayed. (host name = *aa...aa*) *aa...aa*: Host name	The set host name will now be displayed. (host name = *aa...aa*)
KAPM15562-E	One or more arguments are invalid.	One or more arguments are invalid. Confirm that the arguments exist.
KAPM15563-E	The specified host name is invalid.	The specified host name is invalid. Revise the specified host name.
KAPM15564-E	The configuration file could not be accessed.	The configuration file could not be accessed. Confirm the following: - The `httpsd.conf` file exists. - The `httpsd.conf` file is not in use. - The `httpsd.conf` file creation directory is appropriate.
KAPM15565-E	The configuration file format is invalid.	The configuration file format is invalid. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15566-E	An unexpected error occurred.	An unexpected error occurred. Retry the operation. If the problem is not resolved, a detailed investigation is required to determine the cause and resolve the problem. Collect failure information, and then contact the customer support.
KAPM15567-E	An attempt to acquire the installation path has failed.	An attempt to acquire the installation path has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15568-E	A memory allocation error occurred.	A memory allocation error occurred. Retry the operation. If the problem is not resolved, a detailed investigation is required to determine the cause and resolve the problem. Collect failure information, and then contact the customer support.
KAPM15569-E	An attempt to output a file has failed.	An attempt to output a file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15570-E	Log initialization failed.	Log initialization failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15580-E	One or more arguments are invalid.	One or more arguments are invalid. Confirm that the arguments exist.
KAPM15581-E	An unexpected error occurred.	An unexpected error occurred. Retry the operation. If the problem is not resolved, a detailed investigation is required to determine the cause and resolve the problem. Collect failure information, and then contact the customer support.
KAPM15582-E	An attempt to acquire the installation path has failed.	An attempt to acquire the installation path has failed.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15583-E	A memory allocation error occurred.	A memory allocation error occurred. Retry the operation. If the problem is not resolved, a detailed investigation is required to determine the cause and resolve the problem. Collect failure information, and then contact the customer support.
KAPM15584-E	Log initialization failed.	Log initialization failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15585-E	The service will not be stopped because the status of the service could not be confirmed. (service name = *aa...aa*) *aa...aa*: Displayed service name	The service will not be stopped because the status of the service could not be confirmed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15586-E	The service will not be started because the status of the service could not be confirmed. (service name = *aa...aa*) *aa...aa*: Displayed service name	The service will not be started because the status of the service could not be confirmed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15587-E	Acquisition of the displayed service name failed. (service name = *aa...aa*) *aa...aa*: Service name	Acquisition of the displayed service name failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15588-E	The Win32API has failed. API name=*aa...aa*, error code=*bb...bb* *aa...aa*: Name of the WIN32API *bb...bb*: Results of GetLastError()	An error has occurred in WIN32API. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15608-I	JDK currently being used: *aa...aa*[*bb...bb*]	Indicates the JDK currently being used.

Message ID	Message Text	Description
	aa...aa: JDK type *aa...aa*: JDK install path	
KAPM15609-W	An attempt to get the symbolic link information failed.	An attempt to get the symbolic link information failed.
KAPM15610-E	Execution of the readlink function failed. (error code = *aa...aa*) *aa...aa*: error code	Execution of the readlink function failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15611-E	Addition of a parameter to the sysconf.cfg file failed.	Addition of a parameter to the `sysconf.cfg` file failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15612-E	The JDK version check failed. (version = *aa...aa*) *aa...aa*: Version	The JDK version check failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15613-E	Information about supported JDK versions could not be acquired.	Information about supported JDK versions could not be acquired. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15614-E	Execution of the *aa...aa* function failed. (error code = *bb...bb*) *aa...aa*: Function name *bb...bb*: Error code	Execution of the *aa...aa* function failed. To determine the cause and resolve the problem, detailed investigation is required.Contact customer support, who may ask you to collect troubleshooting information.
KAPM15615-W	An attempt to check whether the JDK is the 64-bit version failed.	An attempt to check whether the JDK is the 64-bit version failed. Check the installation status of the 64-bit version of the JDK.
KAPM15616-E	A Win32 API function failed. (API function name = *aa...aa*, error code = *bb...bb*) *aa...aa*: Name of the Win32 API function	An error occurred in the Win32 API. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
	bb...bb: Results of GetLastError()	
KAPM15617-E	A file exists at the destination for which a symbolic link is to be created.	A file exists at the destination for which a symbolic link is to be created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15618-E	A directory exists at the destination for which a symbolic link is to be created.	A directory exists at the destination for which a symbolic link is to be created. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15619-E	An error occurred in an API function. (API function name = *aa...aa*, error code = *bb...bb*) *aa...aa*: API function name *bb...bb*: Error code	An error occurred in an API function. Take action according to the messages that appear.
KAPM15620-I	The method has started.	The method has started.
KAPM15621-I	The method has finished.	The method has finished.
KAPM15622-I	The hcmds64dbrepair command has started.	The `hcmds64dbrepair` command has started.
KAPM15623-I	The hcmds64dbrepair command has finished.	The `hcmds64dbrepair` command has finished.
KAPM15624-E	The hcmds64dbrepair command cannot be executed in a standby system. Execute this command in an online system.	The `hcmds64dbrepair` command cannot be executed in a standby system. Please execute this command in an online system. Execute this command in an online system.
KAPM15625-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15626-E	An option is invalid.	An option is invalid. Specify a valid option, and then re-execute the command.
KAPM15627-E	No value has been specified for an option.	No value has been specified for an option.

Message ID	Message Text	Description
		Specify a valid option, and then re-execute the command.
KAPM15628-E	The backup data is invalid.	The backup data is invalid. Specify valid backup data, and then re-execute the command.
KAPM15629-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15630-I	The parameter definition file has been backed up.	The parameter definition file has been backed up.
KAPM15631-I	The backup file of the parameter definition file has been deleted.	The backup file of the parameter definition file has been deleted.
KAPM15632-E	An attempt to execute the *aa...aa* command has failed. *aa...aa*: command name	An attempt to execute the command has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15633-E	An attempt to acquire the key name has failed.	An attempt to acquire the key name has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15634-E	An attempt to acquire a value has failed.	An attempt to acquire a value has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15635-E	HiRDB has not been set up.	HiRDB has not been set up.
KAPM15636-E	The backup data format contains an error. (target data = *aa...aa*) *aa...aa*: target data	The backup data format contains an error. Specify valid backup data, and then re-execute the command.
KAPM15637-E	An attempt to extract the archive file has failed.	An attempt to extract the archive file has failed. Specify valid backup data, and then re-execute the command.

Message ID	Message Text	Description
KAPM15638-E	Processing cannot be continued because the backed-up product data is insufficient.	Processing cannot be continued because the backed-up product data is insufficient. Specify other backup data that contains the backup data of the installed product, and then re-execute the command.
KAPM15639-W	The installed product and backed-up product versions do not match.	The installed product and backed-up product versions do not match.
KAPM15640-W	If you continue, the database might become corrupted. Do you want to continue? (y/n) [default=n]	If processing continues, the database might become corrupted. Cancel processing if database corruption is a problem. Continue processing only if database corruption is not a problem.
KAPM15641-W	Are you sure you want to continue? (y/n) [default=n]	If processing continues, the database might become corrupted. Cancel processing if database corruption is a problem. Continue processing only if database corruption is not a problem.
KAPM15642-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15643-I	The unsetup operation has started.	The unsetup operation has started.
KAPM15644-I	The unsetup operation has ended.	The unsetup operation has ended.
KAPM15645-I	Setup has started.	Setup has started.
KAPM15646-I	Setup has ended.	Setup has ended.
KAPM15647-E	The *aa...aa* file was not found. *aa...aa*: file name	The file was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15648-E	The *aa...aa* file could not be read. *aa...aa*: file name	The file could not be read. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15649-E	The *aa...aa* directory could not be deleted. *aa...aa*: directory name	The directory could not be deleted. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15650-E	You cannot continue because the parameter definition file is insufficient.	You cannot continue because the parameter definition file is insufficient.
KAPM15651-W	Processing of the hcmds64dbrepair command was interrupted.	Processing of the `hcmds64dbrepair` command was interrupted.
KAPM15652-I	Version information is output. (product name = *aa...aa*, installed product version = *bb...bb*, backup data version = *cc...cc*) *aa...aa*: product name *bb...bb*: installed product version *cc...cc*: backup data version	Version information is output.
KAPM15653-E	The unsetup operation on the database has failed.	The unsetup operation on the database has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15655-E	Starting of the HiRDB service has failed.	Starting of the HiRDB service has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15656-I	Data import was successful.	Data import was successful.
KAPM15657-E	An attempt to re-create the database has failed.	An attempt to re-create the database has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15658-E	An attempt to import data has failed.	An attempt to import data has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer

Message ID	Message Text	Description
		support, who may ask you to collect troubleshooting information.
KAPM15659-E	The data to be imported was not found in the specified directory. (product name = *aa...aa*) *aa...aa*: product name	The data to be imported was not found in the specified directory. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15660-I	Processing ended normally.	Processing ended normally.
KAPM15661-E	An attempt to clear a DBMS environment variable has failed.	An attempt to clear a DBMS environment variable has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15662-E	An attempt to stop the service or the DBMS has failed.	An attempt to stop the service or the DBMS has failed. Execute the `hcmds64srv` command to stop all services before executing the `hcmds64dbrepair` command. If the services do not stop, collect troubleshooting information and contact the customer support.
KAPM15663-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15664-E	The "*bb...bb*" file to be used by "*aa...aa*" does not exist. *aa...aa*: function name *bb...bb*: file name	The required file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15665-E	An attempt to write to the file has failed. (file name = *aa...aa*) *aa...aa*: file name	An attempt to write to the file has failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15666-E	Copying of the unload function file failed.	Copying of the unload function file failed. Retry the operation. If the problem cannot be resolved, detailed

Message ID	Message Text	Description
		investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15667-I	The value of parameter *aa...aa* is *bb...bb*. *aa...aa*: parameter name *bb...bb*: value	The value of the parameter is output.
KAPM15720-E	An exception occurred.	An exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15723-I	The hcmds64dbuser command will now start.	The `hcmds64dbuser` command will now start.
KAPM15724-I	The command hcmds64dbuser will now finish.	The command `hcmds64dbuser` will now finish.
KAPM15726-E	An option is invalid.	An option is invalid. Specify valid options.
KAPM15727-E	The command cannot be executed because the database is down.	The command cannot be executed because the database is down. Make sure of the following, and then retry the command: • Make sure that HiRDB is running. • Make sure that HiRDB has been set up.
KAPM15728-E	hcmds.home is not specified in the Java system properties.	`hcmds.home` is not specified in the Java system properties. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15729-E	An error occurred during reading of a library. library path = *aa...aa* *aa...aa*: library path	An error occurred during reading of a library. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15730-E	The system environment is invalid.	The system environment is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support,

Message ID	Message Text	Description
		who may ask you to collect troubleshooting information.
KAPM15731-E	An error occurred in an internal function. (function = *aa...aa*, error code = *bb...bb*) *aa...aa*: Function *bb...bb*: Error code	An error occurred in an internal function. Retry. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM15732-E	A file was not found. (file name = *aa...aa*) *aa...aa*: File name	A file was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15733-E	An attempt to access the file has failed. (file name = *aa...aa*) *aa...aa*: File name	An attempt to access the file has failed. Retry. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM15748-E	The file format is invalid. (file name = *aa...aa*) *aa...aa*: File name	The file format is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15749-E	An attempt to output a file failed. (file path = *aa...aa*) *aa...aa*: File path	An attempt to output a file failed. Retry execution. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM15750-I	The command was executed successfully.	The command was executed successfully.
KAPM15751-E	Command execution failed.	Command execution failed. If a KAPM*xxxxx*-E message was output before this one, see the message. If a KAPM*xxxxx*-E message was not output before this one, collect maintenance information, and then contact the customer support.
KAPM15752-I	The database user authentication information will now be changed. (type = *aa...aa*) *aa...aa*: Program type	The database user authentication information will now be changed.
KAPM15753-I	The database user authentication information will	The database user authentication information will now be restored to default.

Message ID	Message Text	Description
	now be restored to default. (type = *aa...aa*) *aa...aa*: Program type	
KAPM15754-I	The database user authentication information will now be reset. (type = *aa...aa*) *aa...aa*: Program type	The database user authentication information will now be reset.
KAPM15755-E	An attempt to execute JNI failed.	An attempt to execute JNI failed. Retry execution. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM15756-E	An error occurred during file I/O processing.	An error occurred during file I/O processing. Retry execution. If you cannot resolve the problem, collect maintenance information, and then contact the customer support.
KAPM15757-I	Registration processing was successful. (target = *aa...aa*, return code = *bb...bb*) *aa...aa*: Information for processing *bb...bb*: Return code	Registration processing was successful.
KAPM15758-I	Deletion processing was successful. (target = *aa...aa*, return code = *bb...bb*) *aa...aa*: Information for processing *bb...bb*: Return code	Deletion processing was successful.
KAPM15759-E	An error occurred during access to the DBMS.	An error occurred during access to the DBMS. Perform the following: 1. Re-execute the command. 2. If Common Component authentication information failed to be changed, specify the value you entered for newid when the failure occurred for both oldid and newid. Similarly, specify the value you entered for newpass for both oldpass and newpass. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15760-E	An error occurred during access to the DBMS. (error code = *aa...aa*) *aa...aa*: Error code	An error occurred during access to the DBMS. Perform the following: 1. Re-execute the command. 2. If Common Component authentication information failed to be changed, specify the value you entered for newid when the failure occurred for both oldid and newid. Similarly, specify the value you entered for newpass for both oldpass and newpass. 3. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15765-E	The ID or password is invalid.	The ID or password is invalid. Perform the following: 1. Confirm that the specified ID and password are correct. 2. Confirm that the ID and password do not contain any invalid characters. 3. Confirm that the ID and password do not exceed the maximum length. 4. If you specified an ID and password other than a Common Component ID and password, use the `hcmds64dbuser` command to set up Common Component. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15766-E	The ID or password is invalid. (error code = *aa...aa*) *aa...aa*: Error code	The ID or password is invalid. Perform the following: 1. Confirm that the specified ID and password are correct. 2. Confirm that the ID and password do not contain any invalid characters. 3. Confirm that the ID and password do not exceed the maximum length.

Message ID	Message Text	Description
		4. If you specified an ID and password other than a Common Component ID and password, use the `hcmds64dbuser` command to set up Common Component. 5. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15767-I	Common Component is set to the default settings.	Common Component is set to the default settings.
KAPM15768-I	Common Component is not set to the default settings.	Common Component is not set to the default settings.
KAPM15769-E	The specified ID cannot be used, because it is reserved.	The specified ID cannot be used, because it is reserved. Specify a different ID, and then try again.
KAPM15770-I	Confirm that the Common Component settings are the default settings.	Confirm that the Common Component settings are the default settings.
KAPM15781-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15782-E	The specified argument is invalid.	The specified argument is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15783-I	The specified string contains one or more invalid characters.	The specified string contains one or more invalid characters.
KAPM15784-I	The command ended normally.	The command ended normally.
KAPM15785-E	The specified string contains an invalid character.	The invalid letter is included in the specified string. Specified a valid string, and then re-execute the command.
KAPM15792-E	An option is invalid.	An option is invalid. Specify valid options.
KAPM15793-E	An internal error occurred.	An internal error occurred.

Message ID	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15794-E	The file format is invalid.	The file format is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM15800-I	The size of the work area was successfully changed.	The size of the work area was successfully changed.
KAPM15801-I	The size of the system file area was successfully changed.	The size of the system file area was successfully changed.
KAPM15802-I	Are you sure you want to execute the hcmdsdbchgwork command? (Y/N)	This message is output to confirm that you want to execute the command.
KAPM15804-I	The size of the work area is *aa...aa*. *aa...aa*: Set size	This message outputs the current size of the work area.
KAPM15805-I	The size of the system file area is *aa...aa*. *aa...aa*: Set size	This message outputs the current size of the system file area.
KAPM15808-I	The command will now be executed. (specified command = *aa...aa*) *aa...aa*: Specified command	The command is executed.
KAPM15810-I	The size of the work area will now be changed.	The size of the work area will now be changed.
KAPM15811-I	The size of the system file area will now be changed.	The size of the system file area will now be changed.
KAPM15812-I	Change processing completed.	Change processing completed.
KAPM15813-I	The service and database were stopped.	The service and database were stopped.
KAPM15814-I	The HiRDB service was successfully stopped.	The HiRDB service was successfully stopped.
KAPM15815-I	*bb...bb* was set for the *aa...aa* key in the hcmdsdbchgwork_setting file. *aa...aa*: Key name *bb...bb*: Set value	A value was set in the `hcmdsdbchgwork_setting` file.
KAPM15816-I	The hcmdsdbchgwork_setting file was created.	The `hcmdsdbchgwork_setting` file was created.

Message ID	Message Text	Description
KAPM15820-E	HiRDB is not set up.	The command cannot be executed because HiRDB is not set up. Check the HiRDB setup status.
KAPM15821-E	The HiRDB setup status is "Standby".	The HiRDB setup status is "Standby". Execute the command from a stand-alone or active system.
KAPM15822-E	Stopping of the service or database failed.	Stopping of the service or database failed. Wait a while, execute the `hcmds64srv` command with the `stop` option, and then confirm that both the service and HiRDB stopped properly. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15823-E	An internal error occurred.	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15824-E	An unexpected exception occurred.	An unexpected exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15825-E	Starting of the HiRDB service failed.	Starting of the HiRDB service failed. Wait a while, execute the `hcmds64srv` command with the `stop` option, and then confirm that both the service and HiRDB stopped properly. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15826-E	Stopping of the HiRDB service failed.	Stopping of the HiRDB service failed. Wait a while, execute the `hcmds64srv` command with the `stop` option, and then confirm that both the service and HiRDB stopped properly. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who

Message ID	Message Text	Description
		may ask you to collect troubleshooting information.
KAPM15827-E	Reading of the configuration file failed.	Reading of the configuration file failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15828-E	One or more command options are invalid.	One or more command options are invalid. Specify valid options, and then re-execute the command.
KAPM15829-E	A user operation interrupted the command execution.	Another user operation interrupted the command execution. To execute the command, enter Y for the KAPM15802-I message.
KAPM15830-E	hcmdsdbchgwork command execution failed.	`hcmdsdbchgwork` command execution failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15831-E	Command execution failed. (return code = *aa...aa*) *aa...aa*: Return code	Command execution failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15832-E	An invalid value is set in the *aa...aa* file. *aa...aa*: File name	An invalid value is set in the file. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15833-E	An exception occurred during command execution.	An exception occurred during command execution. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15834-E	No command arguments are specified.	No command arguments are specified. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15840-I	The hcmdslicenseconvert3 command started.	The `hcmdslicenseconvert3` command started.
KAPM15841-I	The hcmdslicenseconvert3 command finished successfully.	The `hcmdslicenseconvert3` command finished successfully.
KAPM15842-E	The hcmdslicenseconvert3 command failed.	The `hcmdslicenseconvert3` command failed. Take action according to the preceding message.
KAPM15845-E	Acquisition of the HBase installation path failed.	Acquisition of the HBase installation path failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and solve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15846-E	Acquisition of the HBase64 installation path failed.	Acquisition of the HBase64 installation path failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and solve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15847-E	HBase is not installed.	HBase is not installed. Make sure that HiCommand Suite Common Component is installed.
KAPM15848-E	There is no license information file. (type = *aa...aa*) *aa...aa*: type	There is no license information file. Make sure that you have entered the license information for the relevant product. If you have, detailed investigation is required to determine the cause and solve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15849-E	An option is invalid.	An option is invalid. Check the options.
KAPM15850-E	An attempt to transfer the license information failed. (type = *aa...aa*) *aa...aa*: type	An attempt to transfer the license information failed. To determine the cause and solve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15852-E	A memory allocation error occurred.	A memory allocation error occurred. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and solve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15853-E	A fatal error occurred.	A fatal error occurred. To determine the cause and solve the problem, detailed investigation is required. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15854-W	Log initialization failed.	Log initialization failed.
KAPM15855-W	The license information file at the transfer destination was overwritten. (type = *aa...aa*) *aa...aa*: type	The license information file at the transfer destination was overwritten.
KAPM15856-E	Modification of the file attribute failed. (file = *aa...aa*) *aa...aa*: path	Modification of the `file` attribute failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and solve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM15857-E	An error occurred in an internal function. (calling function = *aa...aa*, function used = *bb...bb*, notes = *cc...cc*, error code = *dd...dd*) *aa...aa*: calling function *bb...bb*: function used *cc...cc*: notes *dd...dd*: error code	An error occurred in an internal function. See the following message.
KAPM15858-W	There is no license history. (type = *aa...aa*) *aa...aa*: type	There is no license history.
KAPM15859-W	An attempt to transfer the license history failed. (type = *aa...aa*) *aa...aa*: type	An attempt to transfer the license history failed.
KAPM15860-W	An attempt to transfer the license log file failed. (type = *aa...aa*)	An attempt to transfer the license log file failed.

Message ID	Message Text	Description
	aa...aa: type	
KAPM15861-W	Creation of the directory for backing up the license history failed. (type = *aa...aa*) *aa...aa*: type	Creation of the directory for backing up the license history failed.
KAPM15862-I	The license information file will now be migrated. (type = *aa...aa*) *aa...aa*: type	The license information file will now be migrated.
KAPM15872-E	An option is incorrect.	An option is incorrect. Specify the correct options, and then re-execute the command.
KAPM15873-E	An option is incorrect. (code = [*aa...aa*], data = [*bb...bb*]) *aa...aa*: Code indicating the location of the error *bb...bb*: The incorrect option and its value	An option is incorrect. Specify the correct options, and then re-execute the command.
KAPM15874-I	hcmds64dbconvert [*aa...aa*]{, [*bb...bb*],...[...]} *aa...aa*: Command line arguments *bb...bb*: Command line arguments	This message displays the options specified for the `hcmds64dbconvert` command.
KAPM15875-I	The hcmds64dbconvert command started.	The `hcmds64dbconvert` command started.
KAPM15876-I	The hcmds64dbconvert command finished normally.	The `hcmds64dbconvert` command finished normally.
KAPM15877-I	Product data will not be registered, because the data will not be migrated. (product name = *aa...aa*) *aa...aa*: product name	Product data will not be registered, because the data will not be migrated.
KAPM15900-I	Re-create the database in the following directory.	Re-create the database in the following directory.
KAPM15901-I	Set the system area in the following directory.	Set the system area in the following directory.
KAPM15902-I	If you continue, the database will be re-created. Are you sure you want to continue? (y/n) [default=n]	If you continue, the database will be re-created. Are you sure you want to continue?
KAPM15903-I	If you continue, the system area will be set. Are you sure you want to continue? (y/n) [default=n]	If you continue, the system area will be set. Are you sure you want to continue?

Message ID	Message Text	Description
KAPM15904-E	An option is invalid.	An option is invalid. Check and, if necessary, revise the specified options.
KAPM15905-E	The registered product is not supported by the hcmds64dbinit command. (product name = *aa...aa*) *aa...aa*: Product name	The registered product is not supported by the `hcmds64dbinit` command. To recover the database, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15906-E	HiRDB has not been set up.	HiRDB has not been set up. To recover the database, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15907-E	Failed to stop the HiRDB service.	Failed to stop the HiRDB service. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15908-E	An attempt to perform an unsetup of the database failed. Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.	An attempt to perform an unsetup of the database failed. Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information. Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM15909-E	Failed to start the HiRDB service.	Failed to start the HiRDB service. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15910-E	Failed to re-create the database. Remove the cause of the failure to create the database, and then try again. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.	Failed to re-create the database. Remove the cause of the failure to create the database, and then try again. If the problem persists, contact customer support, who might ask you to collect troubleshooting information. Verify that the following are true, and then retry the `hcmds64dbinit` command: • In a cluster environment, all of the cluster registration services for HCS are unmonitored.

Message ID	Message Text	Description
		• There is enough free space in the file system where the database is to be created. • There is no space character in the path to where the database is to be created. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM15911-E	A command of the registered product failed. (product name = *aa...aa*) *aa...aa*: Product name	A command of the registered product failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15912-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15913-W	An attempt to delete a temporary directory failed. Manually delete the directory. (path = *aa...aa*) *aa...aa*: Path	A temporary directory remains because an attempt to delete it failed. Manually delete the directory. Manually delete the directory.
KAPM15914-I	Processing ended normally.	Processing ended normally.
KAPM15915-E	The parameter definition file of a higher-level product required to re-create the database is corrupted. Restore the parameter definition file, and then try again. (product name = *aa...aa*) *aa...aa*: Product name	The parameter definition file of a higher-level product required to re-create the database is corrupted. Restore the parameter definition file, and then try again. Restore the parameter definition file, and then try again.
KAPM15916-E	The process for re-creating the database will stop because the setup destination of the database cannot be acquired.	The process for re-creating the database will stop because the setup destination of the database cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15917-E	The specified directory path is invalid. (path = *aa...aa*) Specify another directory. *aa...aa*: Path	The specified directory path is invalid. Specify a different directory.

Message ID	Message Text	Description
KAPM15918-E	The database setup file remains because an attempt to delete it failed. (path = *aa...aa*) Manually delete the file. *aa...aa*: Path	The database setup file remains because an attempt to delete it failed. Manually delete the file. Manually delete the file.
KAPM15919-I	Re-create the database as the online system of the cluster system in the directory below.	Re-create the database as the online part of the cluster system in the directory below.
KAPM15920-I	The method started.	The method started.
KAPM15921-I	The method finished.	The method finished.
KAPM15922-I	The hcmds64dbinit command started.	The `hcmds64dbinit` command started.
KAPM15923-I	The hcmds64dbinit command finished.	The `hcmds64dbinit` command finished.
KAPM15924-I	Read processing of a recovery file was performed.	Read processing of a recovery file was performed.
KAPM15925-E	A file with the same name as the specified directory name already exists. (path = *aa...aa*) *aa...aa*: Path	A file with the same name as the specified directory name already exists. Check and, if necessary, revise the path of the directory that is specified for the `databasepath` option.
KAPM15926-E	An exception occurred.	An exception occurred. Take action according to the message that was output either before or after this message.
KAPM15927-E	The absolute path of the location to which the system area was installed cannot be acquired.	The absolute path of the location to which the system area was installed cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15928-E	The contents of the hcmdsdbset.init file are invalid.	The contents of the `hcmdsdb`init.ini file are invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15929-E	The hcmdsdbset.init file does not exist.	The `hcmdsdb`set.ini file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM15930-E	The hcmdsdbsetCheck.ini file does not exist.	The hcmdsdbsetCheck.ini file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15931-E	The hcmdsdbsetOrder.ini file does not exist.	The hcmdsdbsetOrder.ini file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15932-I	HiRDB is in a stand-alone setup.	HiRDB is in a stand-alone setup.
KAPM15933-I	HiRDB is in an online setup.	HiRDB is in an online setup.
KAPM15934-I	HiRDB is in a standby setup.	HiRDB is in a standby setup.
KAPM15935-E	The file was not found. (file name = *aa...aa*) *aa...aa*: File name	The file was not found. Take action according to the message that was output either before or after this message.
KAPM15936-E	The database mode is invalid. (mode = *aa...aa*) *aa...aa*: Mode	The database mode is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15937-E	The path of the location in which the database is stored cannot be acquired. (product name = *aa...aa*) *aa...aa*: Product name	The path of the location in which the database is stored cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15938-E	The database has not been set up. (product name = *aa...aa*) *aa...aa*: Product name	The path of the location in which the database is stored cannot be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15939-E	Failed to delete the specified file. (path = *aa...aa*) *aa...aa*: Path	Failed to delete the specified file. Take action according to the message that was output either before or after this message.
KAPM15940-E	The command of the product for re-creating the database	The command of the product for re-creating the database does not exist.

Message ID	Message Text	Description
	does not exist. (product name = *aa...aa*) *aa...aa*: Product name	Take action according to the message that was output either before or after this message.
KAPM15941-E	An attempt to clear a DBMS environment variable failed.	An attempt to clear a DBMS environment variable failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15942-I	Backup of the configuration file is complete.	Backup of the configuration file is complete.
KAPM15943-I	Execution of an internal command was successful. (command path = *aa...aa*, return code = *bb...bb*) *aa...aa*: Command path *bb...bb*: Return code	Execution of an internal command was successful.
KAPM15944-E	Execution of an internal command failed. (command path = *aa...aa*, return code = *bb...bb*) *aa...aa*: Command path *bb...bb*: Return code	Execution of an internal command failed. Take action according to the message that was output either before or after this message.
KAPM15945-I	Execution of the hcmds64srv command did not stop the service.	Execution of the `hcmds64srv` command did not stop the service.
KAPM15946-E	The hcmds64srv command failed to stop the service.	The `hcmds64srv` command failed to stop the service. Take action according to the message that was output either before or after this message.
KAPM15947-E	hcmds.home is not set for the environment variable.	`hcmds.home` is not set for the environment variable. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15948-I	File *aa...aa* will be copied. *aa...aa*: File name	The file will be copied.
KAPM15949-E	The directory name exceeds *aa...aa* characters. *aa...aa*: Number of characters	The directory name exceeds maximum number of characters. Check and, if necessary, revise the path of the directory that is specified for the `databasepath` option.
KAPM15950-I	The method started.	The method started.

Message ID	Message Text	Description
KAPM15951-I	The method finished.	The method finished.
KAPM15952-I	A command will now be executed. (command line = *aa...aa*) *aa...aa*: Command line	A command will now be executed.
KAPM15953-E	The hcmds64chgtsid command failed.	The `hcmds64chgtsid` command failed. Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM15954-E	An option is invalid.	An option is invalid. Check and, if necessary, revise the specified options.
KAPM15955-I	The trusted server ID will be displayed. (trusted server ID = *aa...aa*) *aa...aa*: Trusted server ID	The trusted server ID will be displayed.
KAPM15956-I	The trusted server ID was changed successfully. (trusted server ID = *aa...aa*) *aa...aa*: Trusted server ID	The trusted server ID was changed successfully.
KAPM15957-E	The trusted server ID file was not found.	The trusted server ID file was not found. Use the `hcmds64chgtsid` command to change the trusted server ID, and then try again.
KAPM15958-E	Failed to open the trusted server ID file.	Failed to open the trusted server ID file. Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM15959-E	A value set in the trusted server ID file is invalid.	A value set in the trusted server ID file is invalid. Use the `hcmds64chgtsid` command to change the trusted server ID, and then try again.
KAPM15960-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM15961-E	The trusted server ID was invalid. (trusted server ID = *aa...aa*)	The trusted server ID was invalid.

Message ID	Message Text	Description
	aa...aa: Trusted server ID	Check and, if necessary, revise the specified trusted server ID.
KAPM15962-I	A new settings file was created.	A new settings file was created.
KAPM15963-E	Failed to write to the trusted server ID settings file.	Failed to write to the trusted server ID settings file. Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM15964-I	Execution of the hcmds64chgtsid command was successful.	Execution of the `hcmds64chgtsid` command was successful.
KAPM15966-E	Creation of the settings file failed.	Creation of the settings file failed. Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM15967-E	No trusted server ID is specified for the argument.	No trusted server ID is specified for the argument. Use the `hcmds64chgtsid` command to change the trusted server ID, and then try again.
KAPM15968-E	The length of the trusted server ID exceeds 255 characters.	The length of the trusted server ID exceeds 255 characters. For the `name` option: Check and, if necessary, revise the specified trusted server ID. For the `print` option: Use the `hcmds64chgtsid` command to change the trusted server ID, and then try again.
KAPM15969-E	The trusted server ID is not registered.	The trusted server ID is not registered. Use the `hcmds64chgtsid` command to change the trusted server ID, and then try again.
KAPM15970-E	The trusted server ID is being used in the trusted server information registered by the hcmds64trust command. (trusted server ID = *aa...aa*) *aa...aa*: Trusted server ID	The trusted server ID is being used in the trusted server information registered by the `hcmds64trust` command. You cannot specify a server ID displayed by the hcdms64trust `print` option. Specify a different server ID, and then try again.
KAPM15999-E	An unexpected exception occurred.	An unexpected exception occurred.

Message ID	Message Text	Description
		Retry the operation. If the problem persists, contact customer support, who might ask you to collect troubleshooting information.
KAPM16000-E	Execution of the command for stopping the service failed.	Execution of the command for stopping the service failed. Take action according to the message that was output either before or after this message.
KAPM16001-E	Execution of the command to perform an unsetup of a database failed.	Execution of the command to perform an unsetup of a database failed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16002-E	The recovery point is invalid. (recovery point = *aa...aa*) *aa...aa*: Recovery point	The recovery point is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16003-E	The status of the service is invalid. (service status = *aa...aa*) *aa...aa*: Service status	The status of the service is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16004-E	An error occurred during database setup.	An error occurred during database setup. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16005-E	The hcmdsdbsetRDArea.ini file does not exist.	The `hcmdsdbsetRDArea.ini` file does not exist. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16006-E	A user operation interrupted execution of the command.	A user operation interrupted execution of the command. To execute the command, enter Y.
KAPM16007-E	Execution of the hcmdsgetname command failed.	Execution of the `hcmdsgetname` command failed. To determine the cause and resolve the problem, detailed investigation is

Message ID	Message Text	Description
		required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16008-I	Processing to stop the HiRDB service is complete.	Processing to stop the HiRDB service is complete.
KAPM16009-I	Deletion of the database is complete.	Deletion of the database is complete.
KAPM16010-I	The processing following deletion of a database is complete.	The processing following deletion of a database is complete.
KAPM16011-I	Processing to start the HiRDB service is complete.	Processing to start the HiRDB service is complete.
KAPM16012-I	Processing to set up the database is complete.	Processing to set up the database is complete.
KAPM16013-I	Execution of the command for re-creating the database of each product is complete.	Execution of the command for re-creating the database of each product is complete.
KAPM16014-I	The recovery point was set up. (recovery point = *aa...aa*) *aa...aa*: Recovery point	The recovery point was set up.
KAPM16015-I	Processing to check whether the higher-level product supports database re-creation is complete.	Processing to check whether the higher-level product supports database re-creation is complete.
KAPM16016-I	Setup state processing of a database is complete.	Setup state processing of a database is complete.
KAPM16017-I	Processing to check the parameter definition file is complete.	Processing to check the parameter definition file is complete.
KAPM16018-I	Processing to delete the HiRDB client environment variable is complete.	Processing to delete the HiRDB client environment variable is complete.
KAPM16019-I	The setup mode of the database was set up. (mode = *aa...aa*) *aa...aa*: Mode	The setup mode of the database was set up.
KAPM16020-I	The check of the setup state of a database is complete.	The check of the setup state of a database is complete.
KAPM16021-I	The check of the value specified for the databasepath option is complete.	The check of the value specified for the `databasepath` option is complete.
KAPM16022-I	Deployment of the database setup file is complete.	Deployment of the database setup file is complete.
KAPM16023-I	Deployment of a cluster file is complete.	Deployment of a cluster file is complete.

Message ID	Message Text	Description
KAPM16024-I	Creation of the directory specified for the databasepath option is complete.	Creation of the directory specified for the `databasepath` option is complete.
KAPM16025-I	The confirmation message for a non-cluster environment was displayed.	The confirmation message for a non-cluster environment was displayed.
KAPM16026-I	The confirmation message for the online system in a cluster environment was displayed.	The confirmation message for the online system in a cluster environment was displayed.
KAPM16027-I	The confirmation message for the standby system in a cluster environment was displayed.	The confirmation message for the standby system in a cluster environment was displayed.
KAPM16028-I	The database was set up in the location specified for the databasepath option.	The database was set up in the location specified for the `databasepath` option.
KAPM16029-I	The database was set up in the existing location.	The database was set up in the existing location.
KAPM16031-E	The hcmds64dbinit command could not re-create the database because the hcmds64dbclustersetup command did not finish normally.	The `hcmds64dbinit` command could not re-create the database because the `hcmds64dbclustersetup` command did not finish normally. After the `hcmds64dbclustersetup` command finishes normally, re-execute the `hcmds64dbinit` command
KAPM16032-E	The hcmds64dbinit command could not re-create the database because the hcmds64dbrepair command did not finish normally.	The `hcmds64dbinit` command could not re-create the database because the `hcmds64dbrepair` command did not finish normally. After the `hcmds64dbrepair` command finishes normally, re-execute the `hcmds64dbinit` command
KAPM16033-I	The check of whether the database operation completed has finished. (operation = aa..aa) aa..aa: Command name	The check of whether the database operation completed has finished. (operation = aa..aa)
KAPM16034-E	The cluster.conf file does not exist.	The `cluster.conf` file does not exist. Make sure that the `cluster.conf` file exists. If the `cluster.conf` file does not exist, create the file and then retry the `hcmds64dbinit` command.
KAPM16035-E	The contents of the cluster.conf file are invalid.	The database mode set in the `cluster.conf` file is different from the database mode of the database that is being set up. Verify that the contents of the `cluster.conf` file are correct, and

Message ID	Message Text	Description
		then retry the `hcmds64dbinit` command.
KAPM16036-I	The entered character was not y or n. Please enter y or n.	The entered character was not y or n. Please enter y or n.
KAPM16037-E	Copying of the unload function file failed.	Copying of the unload function file failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
KAPM16038-I	*aa...aa* *aa...aa*: Standard error output	The message content is the standard error output when the command is executed. Take action according to the message that was output either before or after this message.
KAPM16050-I	The method started.	The method started.
KAPM16051-I	The method finished.	The method finished.
KAPM16052-I	A command will execute. (command line = *aa...aa*) *aa...aa*: Command line	A command will execute.
KAPM16053-I	The hcmds64trust command finished successfully.	The `hcmds64trust` command finished successfully.
KAPM16054-E	The hcmds64trust command failed.	The `hcmds64trust` command failed. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16055-E	An option is invalid.	An option is invalid. Check and, if necessary, revise the option specifications.
KAPM16057-W	The trusted server information is not registered.	The trusted server information is not registered. Use the `hcmds64trust` command to register the access point information, and then try again.
KAPM16058-I	The registered trusted server information will be output to the screen.	The registered trusted server information will be output to the screen.
KAPM16059-I	The access point information was registered successfully. (host name = *aa...aa*, *bb...bb* = *cc...cc*, trusted server ID = *dd...dd*)	The access point information was registered successfully.

Message ID	Message Text	Description
	aa...aa: Host name *bb...bb*: Port type *cc...cc*: Port number *dd...dd*: Trusted server ID acquired from the access point.	
KAPM16060-I	The trusted server information was deleted successfully. (trusted server ID = *aa...aa*) *aa...aa*: Trusted server ID	The trusted server information was deleted successfully.
KAPM16061-I	All trusted server information was deleted successfully.	All trusted server information was deleted successfully.
KAPM16062-E	The value of hcmds.home could not be acquired.	The value of `hcmds.home` could not be acquired. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16063-E	The trusted server information file was not found.	The trusted server information file was not found. Use the `hcmds64trust` command to register the access point information, and then try again.
KAPM16064-E	Failed to delete the trusted server ID because there is no matching trusted server ID.	Failed to delete the trusted server ID because there is no matching trusted server ID. Specify a trusted server ID registered by `hcmds64trust` command, and then try again.
KAPM16065-E	Failed to delete the trusted server information file.	Failed to delete the trusted server information file. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16066-E	The trusted server information file was altered.	The trusted server information file was altered. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16067-E	The hcmdsfilehash command failed. (code = *aa...aa*) *aa...aa*: Return code	The `hcmdsfilehash` command failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM16068-E	The setting value for the trusted server information file is invalid.	The setting value for the trusted server information file is invalid. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16069-E	Failed to read the trusted server information file.	Failed to read the trusted server information file. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16070-E	A trusted server ID is invalid. (trusted server ID = *aa...aa*) *aa...aa*: Trusted server ID	A trusted server ID is invalid. Check the specified trusted server ID, and then try again.
KAPM16071-E	No trusted server ID is specified in the argument.	No trusted server ID is specified in the argument. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16072-E	The length of the trusted server ID exceeds 255 characters.	The length of the trusted server ID exceeds 255 characters. For the `print` option: To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information. For the `delete` option: Check the specified trusted server ID, and then try again.
KAPM16073-E	The access point information is invalid. (host name = *aa...aa*, *bb...bb* = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port type *cc...cc*: Port number	The access point information is invalid. Check the specified access point information, and then try again.
KAPM16074-E	Failed to authenticate. (host name = *aa...aa*, *bb...bb* = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port type *cc...cc*: Port number	Failed to authenticate. Failed to authenticate the connection check. Check the specified user ID and password, and then try again.

Message ID	Message Text	Description
KAPM16075-E	Failed to connect to the specified server. (host name = *aa...aa*, *bb...bb* = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port type *cc...cc*: Port number	Failed to connect to the specified server. Perform the following: 1. Make sure that connection to the specified connection destination is possible. 2. After executing the `hcmds64srv` command on the specified connection destination server, start the service. Then, after waiting awhile, try again. 3. Try the operation again. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16076-E	The version of the product for the access point is old.	The version of the product for the access point is old. Upgrade the product to a version that can register the access point information.
KAPM16077-E	Failed to create a token.	Failed to create a token. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16078-E	Failed to connect to the external authentication server.	Failed to connect to the external authentication server. Perform the following. For LDAP: 1. Use the host, port, and protocol set in `exauth.properties` to check whether the external authentication server can be accessed, and check the external authentication server settings and network status. 2. Use the `hcmds64ldapuser` command to check whether information is registered about the server whose name is set for the `auth.server.name` attribute in `exauth.properties`. 3. If STARTTLS is used, make sure that SSL is set. 4. If OCSP is enabled, make sure that the certificate is valid. 5. If the problem persists, detailed investigation is required to determine the cause and resolve

Message ID	Message Text	Description
		the problem. Contact the customer support center, who might ask you to collect troubleshooting information. For RADIUS: 1. Use the host, port, and protocol set in `exauth.properties` to check whether the external authentication server can be accessed, and check the external authentication server settings and network status. 2. Use the `hcmds64radiussecret` command to check whether information is registered about the server whose name is set for the `auth.server.name` attribute in `exauth.properties`. 3. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who might ask you to collect troubleshooting information. For Kerberos: 1. Make sure that the realm name and KDC set in `exauth.properties` are correct. 2. Make sure that the network is properly set up. 3. Make sure that the external authentication server supports the Kerberos V5 protocol. 4. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16079-E	The DBMS is not running.	The DBMS is not running. Execute the `hcmds64srv` command on the server for the specified access point to start the service. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16080-E	Failed to confirm the connection. (host name = *aa...aa*, *bb...bb* = *cc...cc*) *aa...aa*: Host name	Failed to confirm the connection. Retry the operation. If the problem persists, contact the customer support

Message ID	Message Text	Description
	bb...bb: Port type *cc...cc*: Port number	center, who might ask you to collect troubleshooting information.
KAPM16081-E	Failed to acquire the trusted server ID from the token.	Failed to acquire the trusted server ID from the token. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16082-E	Failed to write to the trusted server information file.	Failed to write to the trusted server information file. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16083-E	Failed to acquire the input value.	Failed to acquire the input value. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16084-W	The specified trusted server information is already registered. (host name = *aa...aa*, *bb...bb* = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port type *cc...cc*: Port number	The specified trusted server information is already registered.
KAPM16085-E	The specified trusted server information is already registered. (host name = *aa...aa*, *bb...bb* = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port type *cc...cc*: Port number	The specified trusted server information is already registered. Use the `hcmds64chgtsid` command to change the trusted server ID.
KAPM16087-E	Resolution of the specified host name failed. (host name = *aa...aa*) *aa...aa*: Host name	Resolution of the specified host name failed. Check the specified host name, and then try again.
KAPM16088-E	Registration failed because the server ID of the specified connection destination is the same as the trusted server ID. (host name = *aa...aa*, *bb...bb* = *cc...cc*) *aa...aa*: Host name *bb...bb*: Port type *cc...cc*: Port number	Registration failed because the server ID of the specified connection destination is the same as the trusted server ID. Use the `hcmds64chgtsid` command to change the trusted server ID or the server ID of the specified connection destination, and then try again.

Message ID	Message Text	Description
KAPM16089-I	A command will execute. (command line = *aa...aa*) *aa...aa*: Command line	A command will execute.
KAPM16090-E	The command cannot be executed on the secondary server.	The command cannot be executed on the secondary server. Execute the command on the primary server.
KAPM16091-E	The configuration definition file for SSL communication does not exist.	The configuration definition file for SSL communication does not exist. Try the operation again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who may ask you to collect troubleshooting information.
KAPM16092-E	The specified cipher type is invalid, or the specified cipher suites are invalid. (invalid ciphers = *aa...aa*) *aa...aa*: Invalid ciphers	The specified cipher type is invalid, or the specified cipher suites are invalid. Perform the following steps: 1. Make sure the specified cipher type name is correct. 2. Make sure the specified cipher suites are supported by the JDK being used. 3. Make sure no cipher suite is specified more than once.
KAPM16093-E	The specified SSL protocols are invalid. (invalid SSL protocols = *aa...aa*) *aa...aa*: Invalid SSL protocols	The specified SSL protocols are invalid. Perform the following steps: 1. Make sure the specified SSL protocols are supported by the JDK being used. 2. Make sure no SSL protocol is specified more than once.
KAPM16094-E	An attempt to configure SSL communication failed.	An attempt to configure SSL communication failed. Follow the directions in the previous message.
KAPM16095-W	The SSL protocols defined by the cipher type will be used. (cipher type = *aa...aa*, SSL protocols = *bb...bb*) *aa...aa*: cipher type *bb...bb*: SSL protocols	The SSL protocols defined by the cipher type will be used. If you set the cipher type by using the "`ciphers`" option or if the cipher type was already set, the SSL protocols defined by the cipher type will be used by default. To change the SSL protocol, execute this command again with the cipher suite and SSL protocol that you want to use specified for the

Message ID	Message Text	Description
		"ciphers" option and the "sslprotocol" option, respectively.
KAPM16096-E	The DBMS of the access point is not running.	The DBMS of the access point is not running. Start the DBMS by running the hcmds64srv command or hcmds64dbsrv command on a server for the specified access point. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16097-E	The DBMS of the local system is not running.	The DBMS of the local system is not running. Start the DBMS by running the hcmds64srv command or hcmds64dbsrv command on a server of the local system. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16098-E	The DBMS is blocked.	The DBMS is blocked. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16099-E	An unexpected exception occurred.	An unexpected exception occurred. Retry the operation. If the problem persists, contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16100-I	The filesCopy method started.	The filesCopy method started.
KAPM16101-I	The file *aa...aa* already exists. *aa...aa*: File path	The file already exists.
KAPM16102-I	A file was not copied. (file = *aa...aa*) *aa...aa*: File path	A file was not copied.
KAPM16103-W	Failed to create a directory. (directory = *aa...aa*) aa…aa: Directory path	Failed to create a directory.
KAPM16104-I	Copying was successful. (from *aa...aa*, to *bb...bb*) *aa...aa*: File path *bb...bb*: File path	Copying was successful.

Message ID	Message Text	Description
KAPM16105-W	Copying failed. (from *aa...aa*, to *bb...bb*) *aa...aa*: File path *bb...bb*: File path	Copying failed.
KAPM16106-E	The specified directory name already exists as a file. (file = *aa...aa*) *aa...aa*: File path	The specified directory name already exists as a file. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16107-E	The specified directory was not found. (directory = *aa...aa*) *aa...aa*: Directory path	The specified directory was not found. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16108-E	An IO Exception occurred.	An IO Exception occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who might ask you to collect troubleshooting information.
KAPM16109-I	The filesCopy method finished.	The filesCopy method finished.
KAPM16200-E	The file "*aa...aa*" is invalid. *aa...aa*: File name	This message is output when the format of a file is invalid. Take action according to the messages that appear.
KAPM16201-W	The JDK used will be changed to the JDK bundled with the product.	The JDK used will be changed to the JDK bundled with the product.
KAPM16202-E	An attempt to acquire the JDK version failed.	An attempt to acquire the JDK version failed. Retry execution. If the problem cannot be solved, collect maintenance information, and then contact the customer support.
KAPM16220-W	The following server certificate will soon expire (days remaining = *aa...aa*) or has already expired. *aa...aa*: Number of days	The displayed certificates will expire within *aa...aa* days, or have already expired. *aa...aa* is the value specified in the `days` option of the `hcmds64checkcerts` command. Check the expiration date of the displayed certificates, and then update the certificates if necessary.

Message ID	Message Text	Description
KAPM16221-W	A server certificate will soon expire (days remaining = *aa...aa*) or has already expired. (*bb...bb*) *aa...aa*: Number of days *bb...bb*: Certificate information	The certificate "*bb...bb*" will expire within *aa...aa* days, or has already expired. *aa...aa* is the value specified in the `days` option of the `hcmds64checkcerts` command. Check the expiration date of the certificate "*bb...bb*", and then update the certificate if necessary.
KAPM16222-W	The following server certificate was not found.	A server certificate was not found. In the configuration file, verify that the path, and format of the server certificate are correct.
KAPM16223-W	A server certificate that is subject to be checked does not exist.	A server certificate that is subject to be checked does not exist.
KAPM16224-I	No server certificate will expire within the following number of days: *aa...aa*. *aa...aa*: Number of days	No server certificate will expire within the following number of days: *aa...aa*.
KAPM16225-I	All server certificates are indicated below.	All server certificates are indicated.
KAPM16226-E	The server certificate information file is invalid. (path = *aa...aa*) *aa...aa*: Path	A server certificate information file is invalid. Revise the file in the path (*aa...aa*), and then try again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16227-E	The hcmds64checkcerts command ended abnormally.	The `hcmds64checkcerts` command ended abnormally. Try again. If the problem cannot be solved, collect maintenance information, and then contact customer support.
KAPM16228-E	An option is invalid.	An option is invalid. Specify the options correctly, and then re-execute the command.
KAPM16231-W	Failed to load a server certificate file. (path = *aa...aa*) *aa...aa*: Path	Failed to load a server certificate file. In the configuration file, verify that the path, and format of the server certificate are correct.
KAPM16232-W	A server certificate will soon expire (days remaining =	The certificate "*bb...bb*" will expire within *aa...aa* days, or has already expired.

Message ID	Message Text	Description
	aa...aa) or has already expired. (*bb...bb*) *aa...aa*: Number of days *bb...bb*: Certificate information	*aa...aa* is the value specified in the `days` option of the `hcmds64checkcerts` command. Check the expiration date of the certificate "*bb...bb*", and then update the certificate if necessary.
KAPM16233-W	A server certificate does not exist. (*aa...aa*) *aa...aa*: Certificate information	A server certificate does not exist. In the configuration file, verify that the path, and format of the server certificate are correct.
KAPM16234-I	A server certificate is indicated. (*aa...aa*) *aa...aa*: Certificate information	A server certificate is indicated.
KAPM16235-I	The hcmds64checkcerts command started.	The `hcmds64checkcerts` command started.
KAPM16236-I	The command hcmds64checkcerts will now finish.	The command `hcmds64checkcerts` will now finish.
KAPM16237-I	hcmds64checkcerts [*aa...aa*]{, [*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The options specified for the command are displayed.
KAPM16238-I	SSL communication for Common Component has not been set.	SSL communication for Common Component has not been set.
KAPM16239-E	A syntax error occurred in the user_httpsd.conf file. (path = *aa...aa*) *aa...aa*: Path	A syntax error occurred in the `user_httpsd.conf` file. Revise the file in the path (*aa...aa*), and then try again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16240-W	The following SSL certificates will expire within *aa...aa* days or have already expired. *aa...aa*: Number of days	The displayed SSL certificates will expire within *aa...aa* days or have already expired. *aa...aa* is the value specified for the "`days`" option of the `hcmds64checkcerts` command. Check the expiration dates of the displayed SSL certificates, and then update the certificates as necessary.

Message ID	Message Text	Description
KAPM16241-W	The SSL certificate will expire within *aa...aa* days or has already expired. (*bb...bb*) *aa...aa*: Number of days *bb...bb*: Certificate information	The SSL certificate "*bb...bb*" will expire within *aa...aa* days or has already expired. *aa...aa* is the value specified for the "`days`" option of the `hcmds64checkcerts` command. Check the expiration date of the SSL certificate "*bb...bb*", and then update the certificate as necessary.
KAPM16242-W	The SSL certificate will expire within *aa...aa* days or has already expired. (*bb...bb*) *aa...aa*: Number of days *bb...bb*: Certificate information	The SSL certificate "*bb...bb*" will expire within *aa...aa* days or has already expired. *aa...aa* is the value specified for the "`days`" option of the `hcmds64checkcerts` command. Check the expiration date of the SSL certificate "*bb...bb*", and then update the certificate as necessary.
KAPM16243-W	The following SSL certificates could not be found.	The SSL certificates could not be found. Make sure that the paths and formats of the SSL certificates specified in the configuration file are correct.
KAPM16244-W	There are no SSL certificates to be checked.	There are no SSL certificates to be checked.
KAPM16245-I	There are no SSL certificates that will expire within *aa...aa* days. *aa...aa*: Number of days	There are no SSL certificates that will expire within *aa...aa* days.
KAPM16246-I	All SSL certificates are displayed below.	All SSL certificates are displayed.
KAPM16247-E	The SSL certificate information file is invalid. (path = *aa...aa*) *aa...aa*: Path	The SSL certificate information file is invalid. Revise the file indicated by the path (*aa...aa*), and then try again. If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16248-W	Failed to load the SSL certificate. (path = *aa...aa*) *aa...aa*: Path	Failed to load the SSL certificate. Make sure that the path and format of the SSL certificate specified in the configuration file are correct.
KAPM16249-W	The SSL certificate does not exist. (*aa...aa*) *aa...aa*: Certificate information	The SSL certificate does not exist.

Message ID	Message Text	Description
		Make sure that the path and format of the SSL certificate specified in the configuration file are correct.
KAPM16300-I	Information about the SSL certificate is displayed. (*aa...aa*) *aa...aa*: Certificate information	Information about the SSL certificate is displayed.
KAPM16400-E	An option is invalid.	An option is invalid. Revise the specified options, and then try again.
KAPM16401-I	A command was executed. (command path = *aa...aa*, option = *bb...bb*) *aa...aa*: command path *bb...bb*: option	The command was executed.
KAPM16422-I	hcmds64accountsecret [*aa...aa*]{,[*bb...bb*],.....[.....]} *aa...aa*: Command line argument *bb...bb*: Command line argument	The options specified for the command are displayed.
KAPM16423-E	An option is invalid.	An option is invalid. Specify all options correctly, and then re-execute the command.
KAPM16424-E	An attempt to obtain the secret failed.	An attempt to obtain the secret failed. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16425-E	There is an error in the specified secret.	There is an error in the specified secret. Specify the secret correctly, and then re-execute the command.
KAPM16426-I	The hcmds64accountsecret command started.	The `hcmds64accountsecret` command started.
KAPM16427-I	The hcmds64accountsecret command finished.	The `hcmds64accountsecret` command finished.
KAPM16429-E	An attempt to delete the secret file failed.	An attempt to delete the secret file failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.

Message ID	Message Text	Description
KAPM16430-I	An operation on the secret file failed.	An operation on the secret file failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM16431-E	An attempt to change the attributes of the secret file failed.	An attempt to change the attributes of the secret file failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM16432-E	Execution of the hcmdssethiddenfile command failed.	Execution of the `hcmdssethiddenfile` command failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM16433-I	The secret was successfully registered.	The secret was successfully registered.
KAPM16434-I	The secret function of the account was successfully reset.	The secret function of the account was successfully reset.
KAPM16435-E	An error occurred during encryption processing.	An error occurred during encryption processing. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16436-E	An error occurred during decryption processing.	An error occurred during decryption processing. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM16437-E	An error occurred during processing to obtain random numbers.	An error occurred during processing to obtain random numbers. See the message output after this one.
KAPM16438-E	One or more arguments are invalid.	One or more arguments are invalid. Verify that the arguments are correct.

Message ID	Message Text	Description
KAPM16439-E	The hcmds64accountsecret command failed.	The `hcmds64accountsecret` command failed. Retry the operation. If the problem cannot be resolved, detailed investigation is required to determine the cause and resolve the problem. Contact the customer support, who may ask you to collect troubleshooting information.
KAPM16449-E	A fatal error occurred.	A fatal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact the customer support center, who might ask you to collect troubleshooting information.
KAPM19000-E	Service information file not found for the installed product. (Service Information file name = *aa...aa*, Product name = *bb...bb*, Version No. = *cc...cc*) To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information. *aa...aa*: Name of the Service Information file *bb...bb*: Product Name *cc...cc*: Product Version Number	Service information(xml) file for the corresponding product is not available in Service information(xml) file repository. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19001-E	An option is invalid. usage:hcmds64clustersrvstate { /son | /soff } /r ClusterResourceGroupName	Invalid input parameter passed for offline/online operation.
KAPM19002-E	An option is invalid. usage: hcmds64clustersrvupdate / sreg /r ClusterResourceGroupName /sd SharedDiskName /ap ClientAccessPointResourceNam e or: hcmds64clustersrvupdat / sdel /r ClusterResourceGroupName	Invalid input parameter passed for service registration/deletion operation.
KAPM19003-E	Parallel execution of the same command is restricted.	For the following operations, perform one request at a time: Service deletion

Message ID	Message Text	Description
		Service registration Service online/offline
KAPM19004-E	This command does not support the installed product version.	Cluster Setup version used is lower than the installed product version. Check if the Setup version you are using is latest. Otherwise to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19005-E	An internal error occurred. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	An internal error occurred for any of the following reasons. 1. Product XML is available, but the required version is not present in the XML file. 2. An XML read error. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19007-E	Failed in bringing online service-name : *aa...aa* *aa...aa*: service-name	Service failed to come online using cluster setup.
KAPM19008-E	Failed in bringing offline service-name : *aa...aa* *aa...aa*: service-name	Service failed to go offline using cluster setup.
KAPM19009-E	Failed in registering service-name : *aa...aa* *aa...aa*: service-name	Service failed to register using cluster setup.
KAPM19010-E	Failed to delete service-name : *aa...aa* *aa...aa*: service-name	Service failed to delete using cluster setup.
KAPM19011-E	The request to register the service while setting dependencies did not succeed. Target service-name : *aa...aa* Setting dependencies service-name : *bb...bb* *aa...aa*: Target service-name *bb...bb*: Setting dependencies service-name	The request to register the service while setting dependencies did not succeed. Confirm that the logical host settings of the product are complete. Then, delete the service and reregister the service by using the Cluster Setup Utility.
KAPM19017-E	Cluster setup only supports 2 node cluster environments.	Executing cluster setup on more than a 2 node cluster is not supported.

Message ID	Message Text	Description
KAPM19018-E	The specified resource group is not found. Use the clustering management application to verify that the specified resource group is registered. ResourceGroupName : *aa...aa* *aa...aa*: Role Name or cluster resource group name	The specified resource group is not found. Use the clustering management application to verify that the specified resource group is registered.
KAPM19022-E	Invalid SharedDiskName :*aa...aa* *aa...aa*: SharedDiskName	Invalid SharedDiskName passed.
KAPM19023-E	HiRDB is not setup in cluster mode, service registration cannot be done. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	Service registration cannot be done if HiRDB is not setup in cluster mode. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19024-E	A Cluster Setup supported product is not found.	Cluster setup cannot be done, no Cluster Setup supported product is installed on the users machine.
KAPM19025-E	HiRDB is not setup in cluster mode, so service registration cannot be done. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	Service registration cannot be done if HiRDB is not setup in cluster mode. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19026-E	Invalid ClientAccessPointResourceName : *aa...aa* *aa...aa*: ClientAccessPointResourceName	Invalid ClientAccessPointResourceName passed.
KAPM19028-E	Administrator permission is required to run this command.	Administrator permission is required to run this command.
KAPM19029-E	Failed to *aa...aa* the *bb...bb* services. *aa...aa*: stop/start *bb...bb*: hcmdssrv.exe/ hcmds64srv.exe	The command failed to start/stop `hcmdssrv`/`hcmds64srv` services.

Message ID	Message Text	Description
KAPM19030-E	The request to put the service online was not completed. The logical host settings of the product have not been implemented, or the service dependency settings might be incorrect. Confirm that the logical host settings of the product are complete. Then, delete the service, and reregister the service by using the Cluster Setup Utility. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	The request to put the service online was not completed. The logical host settings of the product have not been implemented, or the service dependency settings might be incorrect. Confirm that the logical host settings of the product are complete. Then, delete the service and reregister the service by using the Cluster Setup Utility. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19031-E	The request to take the service offline was not completed. The logical host settings of the product have not been implemented, or the service dependency settings might be incorrect. Confirm that the logical host settings of the product are complete. Then, delete the service, and reregister the service by using the Cluster Setup Utility. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	The request to take the service offline was not completed. The logical host settings of the product have not been implemented, or the service dependency settings might be incorrect. Confirm that the logical host settings of the product are complete. Then, delete the service and reregister the service by using the Cluster Setup Utility. If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19032-E	The request for service registration was not completed. The logical host settings of the product have not been implemented, or the service dependency settings might be incorrect. Confirm that the logical host settings of the product are complete. Then, delete the service, and reregister the service by using the Cluster Setup Utility.	The request for service registration was not completed. The logical host settings of the product have not been implemented, or the service dependency settings might be incorrect. Confirm that the logical host settings of the product are complete. Then, delete the service and reregister the service by using the Cluster Setup Utility.

Message ID	Message Text	Description
	If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	If the problem persists, to determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19033-E	The request for service deletion was not completed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.	The request for service deletion was not completed. To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
KAPM19216-I	Succeeded performing service operation type: *aa...aa* on machine. *aa...aa*: Service deletion/ Service registration/Service online/Service offline	When service registration/deletion/ online/offline starts, confirmation message is shown.

KAPM40000 - KAPM49999

The following table describes messages KAPM40000 to KAPM49999, which are related to Hitachi Command Suite Common Component.

Table 2-23 KAPM40000 - KAPM49999 (messages output by Hitachi Command Suite Common Component)

Message ID	Message Text	Description
KAPM49001-E	*aa...aa* *aa...aa*: Name of the exception object and the reason that object was thrown, or the backtrace for that object	Detailed information for KAPM*xxxxx*-E. This indicates the thrown exception object and the backtrace for that object. See the message KAPM*xxxxx*-E.

Messages with IDs beginning with KAQ*x*

This section describes messages related to file servers.

Details of KAQ*x* messages

For details on messages with IDs beginning with KAQ*x*, see the message documentation for each file server.

The prefix *x* indicates an alphabetic character. For example, a specific message ID might be KAQB, or KAQG. For details about prefixes that start with KAQ*x*, see *Table 1-1 Prefixes and message ID types on page 1-2*.

Messages with IDs beginning with KATS

This section describes messages related to Tiered Storage Manager.

KATS10000 - KATS19999

The following table describes messages KATS10000 to KATS19999, which are related to the Tiered Storage Manager CLI.

Table 2-24 KATS10000 - KATS19999 (messages related to the Tiered Storage Manager CLI)

Message ID	Message Text	Description
KATS10001-E	The format of the specified command is invalid. (invalid string: [*invalid-string*])	*Cause* The command line specification is invalid. The character string displayed in the message is invalid. Multiple character strings might be displayed in the character string *invalid-string*. *Action* Specify the correct command according to the command format displayed in the message.
KATS10002-E	The order of items in the specified command is invalid. (invalid string: *invalid-string*)	*Cause* There is an error in the order of items specified on the command line. The placement of the character string displayed in the message is invalid. *Action* Specify the items in the correct order. For details, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10101-E	An invalid value was specified for the location of the Tiered Storage Manager server. (specified value: *specified-value*)	*Cause* The location specified for the Tiered Storage Manager server, specified either on the command line or in the `htsmcli.properties` file, is invalid. *Action* On the command line or in the `htsmcli.properties` file, specify the correct location for the Tiered Storage Manager server. For details, see the *Tiered Storage Manager CLI Reference Guide*.

Message ID	Message Text	Description
KATS10102-E	The location of the Tiered Storage Manager server is not specified.	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. The location of the Tiered Storage Manager server is not specified. *Action* On the command line or in the `htsmcli.properties` file, specify the correct location for the Tiered Storage Manager server. For details, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10103-E	A value is not specified for the location of the Tiered Storage Manager server.	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. A value has not been specified for the location of the Tiered Storage Manager server. *Action* On the command line or in the `htsmcli.properties` file, specify the correct location for the Tiered Storage Manager server. For details, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10201-E	A command name has not been specified.	*Cause* No command has been specified. *Action* Specify a command.
KATS10202-E	An invalid command was specified. (command name: *command-name*)	*Cause* The command line specification is invalid. The specified command does not exist. *Action* Specify the correct command. The names of all commands can be displayed using help. For details on commands and the CLI help file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10301-E	A necessary option is not specified. (option name: *option-name*)	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. A necessary option has not been specified. *Action*

Message ID	Message Text	Description
		Specify the necessary option either on the command line or in the `htsmcli.properties` file. For details on options and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10302-E	The *option-name1* option cannot be specified at the same time as the *option-name2* option.	*Cause* There are specified options that cannot be specified simultaneously. *Action* Review how to specify options. For details on options, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10303-E	The *option-name1* option must be specified in combination with the *option-name2* option.	*Cause* An option that must be specified in a certain combination is not. *Action* Specify the correct option either on the command line or in the `htsmcli.properties` file. For details on options and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10304-E	The same option was specified more than once. (option name: *option-name*)	*Cause* The same option has been specified more than once. *Action* Specify an option only once.
KATS10305-E	An invalid option was specified. (option name: *option-name*)	*Cause* The command line specification is invalid. The specified option does not exist. *Action* Specify the option correctly. For details on options, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10306-E	An invalid value was specified for the *option-name* option. (specified value: *specified-value*)	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. The value displayed in *specified-value* is invalid. *Action* Specify the option correctly. For details on options and the `htsmcli.properties` file, see the

Message ID	Message Text	Description
		Tiered Storage Manager CLI Reference Guide.
KATS10307-E	A value specified for the *option-name* option exceeds *maximum-specifiable-length* bytes in UTF-8. (specified value: *specified-value*)	*Cause* There is an error in the specification either on the command line or in the `htsmcli.properties` file. The length of the value specified for the option that is displayed in the message is invalid. *Action* Specify the correct option either on the command line or in the `htsmcli.properties` file. For details on options, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10308-E	A value containing an invalid character was specified for the *option-name* option. (specified value:*specified-value*)	*Cause* There is an error in the specification either on the command line or in the `htsmcli.properties` file. A value containing an invalid character was specified for the option displayed in the message. *Action* Specify the correct option either on the command line or in the `htsmcli.properties` file. For details on options, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10309-E	A value is not specified for the *option-name* option.	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. A value for the *option-name* option has not been specified. *Action* Specify the option *option-name* either on the command line or in the `htsmcli.properties` file.
KATS10310-E	The specified password file was not found. (file path: *file-path*)	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. The specified password file does not exist. *Action* Specify the correct password file either on the command line or in the `htsmcli.properties` file. When the password file is specified on the command line, specify it using the

Message ID	Message Text	Description
		absolute path, or the relative path from the command execution directory. When the password file is specified in the `htsmcli.properties` file, specify it using the absolute path, or the relative path from the storage directory for the `htsmcli.properties` file. For details on the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10311-E	The specified password file cannot be accessed. (file path: *file-path*)	*Cause* The user does not have read permissions for the specified password file. *Action* Grant read permissions for the specified password file to the logged-in user.
KATS10312-E	There is no password on the first line of the specified password file. (file path: *file-path*)	*Cause* Either there is no password on the first line of the password file specified either on the command line or in the `htsmcli.properties` file, or the password is invalid. *Action* Specify the correct password on the first line of the password file. For details, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10313-E	Output to the file specified in the output option is not possible. (file path: *file-path*)	*Cause* The user does not have permissions for writing data to the file that is specified for the `output` option. *Action* To the logged-in user, grant permissions for writing data to the file that is specified for the `output` option.
KATS10314-E	The file specified in the output option cannot be created. (file path: *file-path*)	*Cause* The user does not have permissions for writing data to the directory in the file path that is specified for the `output` option. *Action* To the logged-in user, grant permissions for writing data to the directory in the file path that is specified for the `output` option.

Message ID	Message Text	Description
KATS10401-E	A necessary parameter is not specified. (parameter name: *parameter-name*)	*Cause* A necessary parameter has not been specified either on the command line or in the `htsmcli.properties` file. *Action* Specify the necessary parameter either on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10402-E	The *parameter-name1* parameter cannot be specified at the same time as the *parameter-name2* parameter.	*Cause* Parameters that cannot be specified simultaneously have been specified on the command line. *Action* Review how to specify parameters. For details on parameters, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10403-E	The *parameter-name1* parameter must be specified in combination with the *parameter-name2* parameter.	*Cause* Parameters that must be specified in a specific combination have not been specified either on the command line or in the `htsmcli.properties` file. *Action* Specify the correct parameter either on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10404-E	The same parameter was specified more than once. (parameter name: *parameter-name*)	*Cause* The same parameter has been specified more than once. *Action* Specify the same parameter only once.
KATS10405-E	An invalid parameter was specified. (parameter name: *parameter-name*)	*Cause* The specified parameter does not exist. *Action* Specify the parameter correctly. For details on parameters, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10406-E	An invalid value was specified for the *parameter-name*	*Cause* The value specified for the *parameter-name* parameter is invalid.

Message ID	Message Text	Description
	parameter. (specified value: *specified-value*)	*Action* Specify the correct parameter value either on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10407-E	A value specified for the *parameter-name* parameter exceeds *maximum-specifiable-length* bytes in UTF-8. (specified value: *specified-value*)	*Cause* The specified value exceeds the maximum for the *parameter-name* parameter. *Action* On the command line or in the `htsmcli.properties` file, specify a value within the valid range for the parameter. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10408-E	A value containing an invalid character was specified for the *parameter-name* parameter. (specified value: *specified-value*)	*Cause* The value specified for the *parameter-name* parameter contains an invalid character. *Action* Specify the correct parameter either on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10409-E	A value is not specified for the *parameter-name* parameter.	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. A value has not been specified for the parameter displayed in the message. *Action* On the command line or in the `htsmcli.properties` file, specify the parameter displayed in the message.
KATS10410-E	The specified plan file was not found. (file path: *file-path*)	*Cause* The specified plan file does not exist. *Action* Specify the correct plan file either on the command line or in the `htsmcli.properties` file. When the plan file is specified on the command line, specify it using the absolute path

Message ID	Message Text	Description
		or the relative path from the command execution directory. When the plan file is specified in the `htsmcli.properties` file, specify it using the absolute path or the relative path from the storage directory for the `htsmcli.properties` file. For details on the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10411-E	The specified plan file cannot be accessed. (file path: *file-path*)	*Cause* The user does not have read permissions for the specified plan file. *Action* Grant read permissions for the specified plan file to the logged-in user.
KATS10412-E	The *parameter-name1* parameter must be specified in combination with the *parameter-name2* parameter or the *parameter-name3* parameter.	*Cause* Parameters that must be specified in a specific combination have not been specified either on the command line or in the `htsmcli.properties` file. *Action* Specify the correct parameter either on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10413-E	A numerical value outside the specifiable range for the *parameter-name* parameter was specified. (specified value: *specified-value*, minimum: *minimum*, maximum: *maximum*)	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. A numerical value outside the specifiable range for the parameter was specified. *Action* Specify a numerical value within the specifiable range for the parameter on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the details in the message or the manual *Tiered Storage Manager CLI Reference Guide*.
KATS10414-E	An invalid value was specified for the scheme of the *parameter-name* parameter, or the value does not exist.	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. A

Message ID	Message Text	Description
	(specified value: *specified-value*, scheme: *scheme*)	value has not been specified for the parameter displayed in the message. *Action* Specify the correct parameter either on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10415-E	In the scheme-specific part of the *parameter-name* parameter, a value was specified that is less than *minimum-value-that-can-be-specified* bytes or more than *maximum-value-that-can-be-specified* bytes when converted to the UTF-8 format. (specified value: *specified-value*, scheme specific part: *scheme-specific-part*)	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. *Action* Specify the correct parameter either on the command line or in the `htsmcli.properties` file. For details on parameters and the `htsmcli.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10416-E	An invalid value was specified for the parameter *parameter-name*, or the combination of the parameters is invalid. (specified value: *specified-value*)	*Cause* The specification either on the command line or in the file `htsmcli.properties` is invalid. The value specified for the parameter displayed in the message is invalid. *Action* Specify the parameter correctly either on the command line or in the file `htsmcli.properties`. For the `CreateStorageTier` command, the values that can be specified for `filtercondition` will vary according to the value specified for the `resource` parameter. For the `ModifyStorageTier` command, the values that can be specified for `newfiltercondition` will vary according to the value specified for the `newresource` parameter. For details on parameters and the file `htsmcli.properties`, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10417-E	No subsystems correspond to the parameter *parameter-name*. (specified value: *specified-value*)	*Cause* No subsystem corresponds to the parameter specified either on the command line or in the file `htsmcli.properties`.

Message ID	Message Text	Description
		Action Specify a valid value based on the information for subsystems registered in Device Manager.
KATS10418-E	Multiple subsystems correspond to the parameter *parameter-name*. (specified value: *specified-value*)	*Cause* Multiple subsystems correspond to the parameter specified either on the command line or in the file `htsmcli.properties`, and therefore a unique subsystem cannot be identified. *Action* If the `subsystemname` parameter has been specified for the `GetFreeSpaces` command, either change the name of the target subsystem registered in Device Manager to a unique value or specify `subsystemobjectid` as a parameter of the command.
KATS10421-E	The number of specified elements separated by commas in the *parameter-name* parameter exceeds the maximum *the-maximum-number-of-elements-specifiable-by-using-comma-delimiters*.	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. The number of elements specified in the *parameter-name* parameter using comma delimiters exceeds the maximum number displayed in *maximum-number-of-elements-specifiable-using-comma-delimiters*. *Action* Decrease the number of elements specified in the *parameter-name* parameter using comma delimiters, so that the number of specified elements is less than the maximum number displayed in *maximum-number-of-elements-specifiable-using-comma-delimiters*.
KATS10422-E	The *parameter-name* parameter must be set in order to set the *parameter-name* parameter.	*Cause* The specification either on the command line or in the `htsmcli.properties` file is invalid. The parameters displayed in the message must be specified in combination. *Action* Specify the parameters correctly either on the command line or in the `htsmcli.properties` file.
KATS10423-E	No value can be set for the *parameter-name* parameter in	*Cause*

Message ID	Message Text	Description
	order to delete the *parameter-name* parameter.	The specification either on the command line or in the `htsmcli.properties` file is invalid. The parameters displayed in the message must be specified in combination. *Action* Specify the parameters correctly value either on the command line or in the `htsmcli.properties` file.
KATS10501-E	htsmcli.properties cannot be accessed. (file path: *file-path*)	*Cause* The user does not have read permissions for the `htsmcli.properties` file. *Action* Grant read permissions for the `htsmcli.properties` file to the logged-in user.
KATS10502-E	A value containing an invalid character was specified for htsmcli.properties. (property name: *property-name*)	*Cause* The specification in the `htsmcli.properties` file is invalid. A value containing an invalid character was specified for the property displayed in the message. *Action* Specify only printable ASCII characters for properties to be specified in the `htsmcli.properties` file.
KATS10511-E	"the directory of the htsmcli.jar" has not been set for the "htsm.cli.dir" system property.	*Cause* The property displayed in the message has not been set for the system properties. *Action* Specify the `-d` option of the `java` command for the system properties.
KATS10551-E	*environment-variable* has not been set for the *environment-variable-description* environment variable.	*Cause* The environment variable displayed in the message has not been specified. *Action* Specify the environment variable displayed in the message.
KATS10552-E	The value set for the "HTSM_CLI_HOME" environment variable is not "The home directory for the htsmcli user". (set value: *set-value*)	*Cause* An invalid value has been specified for the environment variable displayed in the message. *Action*

Message ID	Message Text	Description
		Specify a valid value for the environment variable displayed in the message. The set value is *set-value*.
KATS10571-E	An invalid value was specified for the reply. (specified value: *specified-value*)	*Cause* An invalid response was given for the confirmation message. *Action* Choose the valid value that is displayed in the confirmation message, and then respond to the message.
KATS10601-E	An attempt to create a candidate migration plan has failed. There is a pair for which a target volume was not found.	*Cause* In the storage tier, there is a source volume for which no volume can serve as a target volume within the same SLPR. *Action* Specify a different storage tier, or change the filter condition property for the storage tier. When you may migrate between different LPAR, fill blank `targetControllerDeviceNumber` by selecting a volume from target candidate volumes for paired source volume. For details on the filter condition property for the storage tier, see the *Tiered Storage Manager CLI Reference Guide*.
KATS10602-W	A volume that cannot be migrated is included in the candidate migration plan. Check the candidate migration plan, and then create the migration task.	*Cause* A migration source volume exists in the specified storage tier for which no volume within the same SLPR can serve as a target volume. *Action* Check the plan file, and then create the migration task.
KATS10603-E	An attempt to create a migration task has failed. None of the volume pairs in the specified migration plan are volumes subject to migration.	*Cause* None of the volume pairs in the specified migration plan contain volumes subject to migration. *Action* Correct the information for one or more volume pairs in the plan file so that the pairs contain volumes subject to migration, and then create the migration task.
KATS10604-E	If a storage tier made by using a pool search condition for the parameter targetstoragetiername is	*Cause* You cannot specify the parameter `filtercondition` when a storage tier

Message ID	Message Text	Description
	specified, the parameter filtercondition cannot be specified.	created by using a pool search condition for the parameter targetstoragetiername is specified. *Action* If a storage tier created by using a pool search condition for the parameter targetstoragetiername is specified, create a migration plan without specifying the parameter `filtercondition`.
KATS10621-E	An attempt to receive a refresh request has failed. (storage domain name: *storage-domain-name*)	*Cause* An attempt to perform a refresh for the storage domain displayed in the message has failed. *Action* Take action according to the message displayed together with this message. If one or more KATS10621-E messages appear, take action for each message as well.
KATS10622-W	The storage domain information is not up-to-date. Refresh the storage domain. (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message.
KATS10623-W	The storage domain information and the Device Manager storage subsystem information is not up-to-date. Refresh the storage domain (this will cause Device Manager to be refreshed automatically). (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager and the storage subsystem is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message.
KATS10624-W	The candidate migration plan contains at least one target volume that has a larger capacity than its corresponding source volume. This target volume(s) will be resized to match its corresponding source volume(s), freeing the excess capacity.	*Cause* A migration pair exists for which a migration target with a greater capacity than the migration source volume is selected. *Action* The migration target volume will be re-created such that it has the same capacity as the source volume when migration is performed. Therefore, check the contents of the plan file.

Message ID	Message Text	Description
		If re-creation of the migration target volume is possible, create a migration task. If you do not want to re-create the migration target volume, take one of the following actions: • If you do not want to migrate the migration source volume of the pair for which the migration target that must be re-created is selected, specify NotMigrate for `targetControllerDeviceNumber` in the plan file, and then create the migration task. • If you can replace the migration target volume with that of another pair, change the value of `targetControllerDeviceNumber` in the plan file, and then create the migration task. • Create an unused volume in the migration-target storage tier that has the same capacity as the migration source volume and satisfies the conditions to become the migration target, and then re-create the migration plan.
KATS10900-E	I/O processing for a file has failed or was interrupted. (file path: *file-path*, info: *info*)	*Cause* I/O processing for the file failed, or an interruption occurred. *Action* Check the contents of the error information displayed in the message, remove the cause of the error, and then retry the operation. If there is additional information, it is displayed under *info* in the message. If there is no additional information and info: null is displayed, the file might not have been accessible during I/O processing because of a reason such as file capacity was insufficient during output processing.
KATS10999-E	An unexpected exception occurred. (info: *analysis-information-such-as-a-stack-trace*)	*Cause* An unexpected exception occurred. *Action* Collect the trace log information for the Tiered Storage Manager CLI, and the log information for the Tiered Storage Manager server and Common Component, and then contact customer support.

Message ID	Message Text	Description
KATS11001-E	This CLI version does not support the plan type coded in the specified plan file. (file path: *file-path*, plan type: *plan-type*, CLI version: *CLI-version*, line: *line*)	*Cause* In the line number displayed in the message, the installed version of Tiered Storage Manager does not support the plan type described in the specified plan file. *Action* Specify a plan file that is supported by the installed version of Tiered Storage Manager. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11002-E	This CLI version does not support the format version coded in the specified plan file. (file path: *file-path*, format version: *format-version*, CLI version: *CLI-version*, line: *line*)	*Cause* In the line number displayed in the message, the installed version of Tiered Storage Manager does not support the format version specified in the specified plan file. *Action* Specify a plan file that is supported by the installed version of Tiered Storage Manager. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11101-E	The format of the specified plan file is invalid. The order of the specified items is invalid. (item name: *item-name-for-the-plan*)	*Cause* The placement of the item specified in the plan file is invalid. *Action* Specify the items in the correct order. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11102-E	The format of the specified plan file is invalid. A necessary item is not specified. (item name: *item-name-for-the-plan*)	*Cause* A necessary item has not been specified in the plan file. *Action* Specify the necessary item in the plan file.
KATS11103-E	The format of the specified plan file is invalid. The *item-name-for-the-plan* item must be specified in combination with the *item-name-for-the-plan* item.	*Cause* An item that must be specified in a certain combination is not. *Action* Specify the correct item in the plan file. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.

Message ID	Message Text	Description
KATS11104-E	The format of the specified plan file is invalid. The same parameter was specified more than once. (parameter name: *parameter-name*)	*Cause* The same parameter has been specified more than once. *Action* Specify the same parameter only once.
KATS11105-E	The format of the specified plan file is invalid. An invalid item was specified. (item name: *item-name-for-the-plan*)	*Cause* The specified item does not exist. *Action* Specify the correct item in the plan file. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11106-E	The format of the specified plan file is invalid. An invalid value was specified for the *item-name-for-the-plan* item. (specified value: *specified-value*, line: *line*)	*Cause* In the line number displayed in the message, the value specified in the item is invalid. *Action* Specify the correct item. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11107-E	The format of the specified plan file is invalid. A value specified for the *item-name-for-the-plan* item exceeds *maximum-specifiable-length* bytes in UTF-8. (specified value: *specified-value*, line: *line*)	*Cause* In the line number displayed in the message, the length of the value specified for the plan file is invalid. *Action* Specify a value within the valid range for the item. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11108-E	The format of the specified plan file is invalid. A value containing an invalid character was specified for the *item-name-for-the-plan* item. (specified value: *specified-value*, line: *line*)	*Cause* In the line number displayed in the message, a value containing an invalid character was specified for the item. *Action* Specify an item value using characters that can be used for the plan file. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11109-E	The format of the specified plan file is invalid. A value is not specified for the *item-name-for-the-plan* item. (line: *line*)	*Cause* In the line number displayed in the message, no value has been specified for the item. *Action* Specify the plan item for the plan file.

Message ID	Message Text	Description
KATS11110-E	The format of the specified plan file is invalid. An expected word (*an-expected-word*) was not found. (line: *line*)	*Cause* The item name for the plan displayed in the message does not exist in the line number displayed in the message. *Action* Specify the correct item. For details on plan file formats, see the *Tiered Storage Manager CLI Reference Guide*.
KATS11111-E	The format of the specified plan file is invalid. A numerical value outside the specifiable range for the *item-name-for-the-plan* parameter was specified. (specified value: *specified-value*, prefix: *prefix*, minimum value: *minimum-value*, maximum value: *maximum-value*, line number: *line-number*)	*Cause* The format of the specified plan file is invalid. The specified value is not between the minimum and maximum values displayed in the message. *Action* See the plan format in the manual *Tiered Storage Manager CLI Reference Guide*, and then specify valid items.
KATS12001-E	The file htsmcli.properties was not found. (file path: *file-path*)	*Cause* The value of the environment variable `HTSM_CLI_HOME` is invalid. the file `htsmcli.properties` does not exist. *Action* Set the environment variable `HTSM_CLI_HOME` so that the file `htsmcli.properties` can be read.
KATS12002-E	The file htsmcli.properties cannot be accessed. (file path: *file-path*)	*Cause* The user does not have read or write permissions for the file `htsmcli.properties`. *Action* Make sure that the user has read and write permissions for the file `htsmcli.properties`.
KATS12003-E	The specified password file was not found. (file path: *file-path*)	*Cause* The specification either on the command line or in the file `htsmcli.properties` is invalid. The password file displayed in the message does not exist. *Action* Specify a valid password file either on the command line or in the `htsmcli.properties` file. Use an absolute path for the password file name.

Message ID	Message Text	Description
KATS12004-E	The specified password file cannot be accessed. (file path: *file-path*)	*Cause* The user does not have read or write permissions for the password file displayed in the message. *Action* Make sure that the user has read and write permissions for the password file displayed in the message.
KATS12005-E	I/O processing for a file has failed or was interrupted. (file path: *file-path*, info: *error-information*)	*Cause* I/O processing for the file displayed in the message has either failed or was interrupted. *Action* Check the contents of the message, remove the cause of the error, and then retry the operation. If there is any additional information, it is displayed after info in the message. If there is no additional information and info:null is displayed, the file might not have been accessible during I/O processing because of a reason such as file capacity was insufficient during output processing.
KATS12006-E	A necessary option is not specified. (option name: *option-name*)	*Cause* The command line specification is invalid. A necessary option displayed in the message is not specified. *Action* On the command line, specify the necessary option displayed in the message.
KATS12007-E	A value is not specified for the *option-name* option.	*Cause* The command line specification is invalid. A value is not specified for the option displayed in the message. *Action* On the command line, specify the option displayed in the message.
KATS12008-E	The *option-name* option cannot be specified at the same time as the *option-name* option.	*Cause* The command line specification is invalid. Options that cannot be specified together have been specified. *Action* Specify the command correctly according to the command format displayed in the message.

Message ID	Message Text	Description
KATS12009-E	An invalid option was specified. (option name: *option-name*)	*Cause* The command line specification is invalid. The specified option does not exist. *Action* Specify valid options according to the command format displayed in the message.
KATS12010-E	The user name specified for the option "*option-name*" does not match the user name in the file htsmcli.properties.	*Cause* The user name specified for the *option-name* option is different from the user name specified in the file `htsmcli.properties`. *Action* On the command line, specify the user name specified in the file `htsmcli.properties`.
KATS12011-E	The password specified for [Old password] does not match the password in the file htsmcli.properties.	*Cause* The password specified for **Old password** is different from the password in the file `htsmcli.properties`. *Action* Specify the correct password file on the command line. If you are unable to specify the correct password (specified in the property file) on the command line, delete the password specified in the property file, and then retry the operation.
KATS12012-E	The passwords specified for [New password] and [Re-enter new password] are not the same.	*Cause* The passwords specified for **New password** and **Re-enter new password** are different. *Action* Specify the correct password on the command line.
KATS12013-E	An attempt to encode the password has failed.	*Cause* An internal error occurred while the specified password was being encoded. *Action* Check and, if necessary, revise the execution environment, and then retry the operation. If you cannot resolve the problem, save the CLI trace log file for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS12014-E	An attempt to decode the password has failed.	*Cause* An internal error occurred while the encoded password was being decoded. *Action* Specify the correct user name that corresponds to the password set in `option.password2`. If this does not resolve the problem, save the CLI trace log file for Tiered Storage Manager, and then contact customer support.
KATS12015-E	An attempt to decode the password failed because the current environment is different than the environment in which the password was encoded.	*Cause* The password cannot be decoded because the current environment is different from the environment in which the password was encoded. *Action* Delete the password specified in the property file, and then retry the operation.
KATS12016-E	Command execution failed because the environment does not support the specific encoding algorithm.	*Cause* The environment does not support the encoding algorithm necessary to execute the command. *Action* Check and, if necessary, revise the execution environment, and then re-execute the command. If you cannot resolve the problem, save the CLI trace log file for Tiered Storage Manager, and then contact customer support.
KATS12017-E	The environment variable "HTSM_CLI_HOME" has not been set.	*Cause* The environment variable `HTSM_CLI_HOME` has not been set. *Action* Set the environment variable `HTSM_CLI_HOME`.
KATS12018-E	An invalid password was specified.	*Cause* The specified password contains an invalid character or exceeds the maximum number of characters. *Action* Make sure that the characters are valid and the number of characters that can be specified for a password, and then specify the correct password.

Message ID	Message Text	Description
KATS12019-E	The property file cannot be accessed. File path: *file-path*	*Cause* The environment required for executing the command has not been set up. *Action* Save the CLI trace log file for Tiered Storage Manager, and then contact customer support.
KATS12020-E	An attempt to encode or decode the password failed because the execution environment was invalid.	*Cause* The environment required for executing the command has not been set up. *Action* Check and, if necessary, revise the execution environment, and then retry the operation. If you cannot resolve the problem, save the CLI trace log file for Tiered Storage Manager, and then contact customer support.
KATS19007-E	An invalid value was specified for the maximum number of backup files for the trace log. (specified value: *specified-value*)	*Cause* The value specified for `logger.fileCount` in the `htsmclienv.properties` file is invalid. If the property name is specified without specifying a value, or if a character, such as a control character, that is not printed for the property value is specified, the specified value appears as double quotation marks (""). *Action* At the next startup, specify the correct maximum value for the log file backup for `logger.fileCount`. The specifiable values for `logger.fileCount` are integers from 2 to 16.
KATS19008-E	An invalid value was specified for the log file size. (specified value: *specified-value*)	*Cause* The value specified for `logger.maxFileSize` in the `htsmclienv.properties` file is invalid. If the property name is specified without specifying a value, or if a character, such as a control character, that is not printed for the property value is specified, the specified value appears as double quotation marks (""). *Action* Specify a correct log file size for `logger.maxFileSize` at the next

Message ID	Message Text	Description
		startup. The specifiable value for `logger.maxFileSize` is from 32,768 to 2,147,483,647 bytes.
KATS19009-E	An invalid value was specified for the log output threshold. (specified value: *specified-value*)	*Cause* The value specified for `logger.tracelogLevel` in the `htsmclienv.properties` file is invalid. If the property name is specified without specifying a value, or if a character, such as a control character, that is not printed for the property value is specified, the specified value appears as double quotation marks (""). *Action* Specify a correct log output level value for `logger.tracelogLevel` at the next startup. Only integers between 0 and 30 can be specified for `logger.tracelogLevel`.
KATS19010-E	A name with an invalid format was specified for the name of the file to which logs are output. (specified value: *specified-value*)	*Cause* The value specified for `logger.filePath` in the `htsmclienv.properties` file is invalid. If the property name is specified without specifying a value, or if a character, such as a control character, that is not printed for the property value is specified, the specified value appears as double quotation marks (""). *Action* Specify a correct log output destination file name for `logger.filePath` at the next startup. The default value for `logger.filePath` is *CLI installation-directory*`/logs/HTSMCLITrace`.
KATS19011-E	A log trace library error occurred when the trace log started. (*error-information*)	*Cause* An error was detected in the log trace library during processing to start the trace log. *Action* Check the contents of the error information displayed in the message, remove the cause of the error, and then retry the operation. If you cannot resolve the problem, collect the CLI trace log file for Tiered Storage Manager and contact customer support.

Message ID	Message Text	Description
KATS19012-E	A log trace library error occurred when the trace log stopped. (*error-information*)	*Cause* An error was detected in the log trace library during processing to stop the trace log. *Action* Check the contents of the error information displayed in the message, remove the cause of the error, and then retry the operation. If you cannot resolve the problem, collect the CLI trace log file for Tiered Storage Manager and contact customer support.
KATS19013-E	An internal error occurred. (info: *error-information*)	*Cause* An internal error was detected during processing to initialize or output the trace log. *Action* Collect the CLI trace log file for Tiered Storage Manager, and contact customer support.
KATS19014-E	I/O processing for a file has failed or was interrupted. (file path: *file-path*, info: *error-information*)	*Cause* A file I/O error was detected during processing to initialize or output the trace log. *Action* Check the contents of the error information displayed in the message, remove the cause of the error, and then retry the operation. If you cannot resolve the problem, collect the CLI trace log file for Tiered Storage Manager and contact customer support.
KATS19015-E	An invalid item was specified in the property file for environment definitions. (item name: *specified-invalid-property-key*)	*Cause* An invalid property key was specified for the `htsmclienv.properties` file. *Action* Correct the property key and then reboot. For details on specifiable values for the `htsmclienv.properties` file, see the *Tiered Storage Manager CLI Reference Guide*.
KATS19016-E	The property file for environment definitions was not found. (file path: *file-path*)	*Cause* The `htsmclienv.properties` file does not exist in the CLI installation directory. *Action*

Message ID	Message Text	Description
		Create the `htsmclienv.properties` file in the CLI installation directory, and then reboot.
KATS19017-E	A log trace library error occurred when the trace log outputted. (*error-information*)	*Cause* An error was detected during processing to output the trace log. *Action* Check the contents of the error information displayed in the message, remove the cause of the error, and then retry the operation. If you cannot resolve the problem, collect the CLI trace log file for Tiered Storage Manager and contact customer support.
KATS19018-E	A value containing an invalid character was specified for htsmclienv.properties. (property name: *property-name*)	*Cause* The specification in the `htsmcli.properties` file is invalid. *Action* Specify only printable ASCII characters for properties specified in the `htsmclienv.properties` file.

KATS20000 - KATS29999

The following table describes messages KATS20000 to KATS29999, which are related to Tiered Storage Manager GUI.

Table 2-25 KATS20000 - KATS29999 (messages related to Tiered Storage Manager GUI)

Message ID	Message Text	Description
KATS20003-E	The execution of the start command for *service-name* failed.	*Cause* An error occurred during execution of the command to start the Tiered Storage Manager service. *Action* Manually start the Tiered Storage Manager service.
KATS20004-E	The execution of the stop command for *service-name* failed.	*Cause* An error occurred during execution of the command to stop the Tiered Storage Manager service. *Action* Manually stop the Tiered Storage Manager service.

Message ID	Message Text	Description
KATS20005-E	Your session is invalid. Logout, and then login again.	*Cause* The session became invalid. *Action* Log in again.
KATS20007-E	The operation is done while the page is loading.	*Cause* An attempt to update the window was made while the window was being updated. *Action* Wait for processing to finish.
KATS20008-E	An invalid page transition was executed.	*Cause* An attempt was made to display a page by using an invalid operation such as simultaneously pressing the **Alt** key and arrow key. *Action* Display the window by clicking a link or button on your browser.
KATS20009-E	Memory is insufficient.	*Cause* Memory is insufficient. *Action* Retry the operation. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS20010-E	Unexpected status was occurred.	*Cause* An unexpected status has occurred in Tiered Storage Manager. *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS20031-E	The entry for the Migration Group name is empty.	*Cause* No migration group name has been entered. *Action* Enter a migration group name.
KATS20032-E	The entry for the Migration Group name exceeds the maximum length.	*Cause* A value exceeding the maximum input length for the migration group name was entered. *Action*

Message ID	Message Text	Description
		Enter a migration group name that does not exceed the maximum length. A value entered for the migration group name must not exceed 75 bytes when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS20033-E	The entry for the Migration Group name contains an invalid character.	*Cause* The entered migration group name contains an invalid character. *Action* Specify the migration group name again. Specifiable characters for migration group names are as follows: A to Z, a to z, and the following characters: - _ . , @ , single-byte spaces, and non-ASCII characters.
KATS20034-W	Are you sure you want to delete the Migration Group definition? (Note: A Migration Group deletion only deletes the definition and does not remove any data volumes from the storage.)	*Cause* - *Action* -
KATS20035-E	The OK button was clicked without selecting a checkbox in the Delete Migration Group window.	*Cause* The **OK** button was clicked without selecting the check box in the Migration Group Deletion window. *Action* Select the check box in the Migration Group Deletion window, and then click the **OK** button.
KATS20036-E	The Description entry exceeds the maximum length.	*Cause* A value exceeding the maximum input length for **Description** was entered. *Action* Enter a description that does not exceed the maximum length. A description must not exceed 500 bytes when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS20037-E	The Task can not be created because another Task in Active	*Cause*

Message ID	Message Text	Description
	or Standby status uses the same Migration Group.	Migration cannot be performed for a migration group if a task related to the migration group has not finished. *Action* Wait until the task finishes, and then retry the operation.
KATS20038-E	An attempt was made to migrate a Migration Group whose CanMigrate option was No.	*Cause* Migration is not possible because the **CanMigrate** flag is set to **No**. *Action* Change the **CanMigrate** flag to **Yes** in the Modify Group - "*Migration-group-name*" window, and then perform migration. For details on how to modify the migration group attribute information, see the *Hitachi Command Suite User Guide*.
KATS20039-E	The Migration Group can not be deleted because a Task in Active or Standby status uses this Migration Group.	*Cause* A migration group cannot be deleted if a task related to it has not finished. *Action* Wait until the task finishes, and then retry the operation.
KATS20040-E	The Migration Group can not be modified because a Task in Active or Standby status uses this Migration Group.	*Cause* A migration group cannot be changed if a task related to it has not finished. *Action* Wait until the task finishes, and then retry the operation.
KATS20041-E	An internal error occurred.	*Cause* An internal error, such as insufficient memory, might have occurred. *Action* See the message output immediately prior to this message, and then take corrective action.
KATS20042-E	The request related to this window has been canceled because more than 30 minutes passed after this window has been displayed.	*Cause* The request related to this window has been canceled because more than 30 minutes passed after this window has been displayed. *Action* Execute the necessary operation again.
KATS20043-E	A communication error occurred.	*Cause* A communication error occurred. *Action*

Message ID	Message Text	Description
		Retry the operation. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS20045-E	The specified finish date is earlier than the start date.	*Cause* The date specified for **To** is earlier than the date specified for **From**. *Action* For **To**, specify a date that is later than the date specified for **From**.
KATS20046-E	Information for the Migration Group or the Storage Tier was changed while migration information settings were being changed. Execute the migration wizard again from step 1.	*Cause* The information for the migration group or the storage tier was changed while the migration information was being set. *Action* Try again from step 1 in the migration wizard.
KATS20047-E	A target volume is not specified for a volume pair.	*Cause* The migration destination volume is in an unspecified state, because only a volume that is shared by an LPAR can be used as a migration destination volume. *Action* Specify the migration target volume in the Modify Volume Pair pop-up window.
KATS20048-E	No target volume is selected.	*Cause* The migration destination volume is in an unspecified state, because only a volume that is shared by an LPAR can be used as a migration destination volume. *Action* Specify a migration destination volume.
KATS20049-E	A communication parameter: *parameter-name* is invalid.	*Cause* The value specified for the *parameter-name* parameter is invalid. *Action* Retry the operation. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS20050-E	The session timed out. Click the Refresh link in the Navigation Frame to update the entire window, and retry the operation.	*Cause* The session for the information display operation timed out. *Action* To continue the operation, the entire window must be updated. Click the **Refresh** link in the navigation frame to update the entire window, and then retry the operation.
KATS20051-E	There is a conflict among the target LDEVs in the LUSE volume. Make sure that the target LDEVs are either all internal volumes or all external volumes, and if they are all external volumes ensure they have the same IOSuppressionMode, CacheMode and CLPR. (LUSE=*device-number-of-the-volume*, LDEVs=*device-numbers-of-the-migration-target-LDEVs-in-the-LUSE-that-are-connected-by-commas*)	*Cause* The settings for the migration target LDEV in the LUSE volume are invalid. *Action* Specify the migration target volume again in the Modify Volume Pair pop-up window.
KATS20052-E	The specified date is invalid.	*Cause* An invalid date has been specified. *Action* Specify the correct date.
KATS20053-E	The Migration Task cannot be created because there is no Migration Group.	*Cause* There is no migration group. *Action* Create a migration group, and then retry.
KATS20054-E	The Migration Task cannot be created because there is no Storage Tier.	*Cause* There is no storage tier. *Action* Create a storage tier, and then retry.
KATS20059-E	The volume could not be added because another task has not ended.	*Cause* A volume cannot be added to a migration group because a task has not finished. *Action* After the task finishes, add the volume to the migration group. For details on how to add volumes to migration groups, see the *Hitachi Command Suite User Guide*.

Message ID	Message Text	Description
KATS20060-E	11 or more Migration Groups cannot be registered into Array Group Avoidance of Migration Groups.	*Cause* An attempt was made to register 11 or more Array Group Avoidance of migration groups. *Action* Register 10 or fewer Array Group Avoidance of migration groups.
KATS20061-W	The storage domain information is not up-to-date. Refresh the storage domain. (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message.
KATS20062-W	The storage domain information and the Device Manager storage subsystem information is not up-to-date. Refresh the storage domain (this will cause Device Manager to be refreshed automatically). (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager and the storage subsystem is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message. When the storage domain is refreshed, the information for the storage subsystem in the repository managed by Device Manager is also refreshed.
KATS20063-E	The storage domain information is not up-to-date. Refresh the storage domain. (storage domain name: *storage-domain-name*)	*Cause* The processing cannot be performed because the information for Device Manager is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message.
KATS20064-E	The storage domain information and the Device Manager storage subsystem information is not up-to-date. Refresh the storage domain (this will cause Device Manager to be refreshed automatically). (storage domain name: *storage-domain-name*)	*Cause* The processing cannot be performed because the information for Device Manager and the storage subsystem is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message. When the storage domain is refreshed, the information for the storage subsystem in the repository managed by Device Manager is also refreshed.

Message ID	Message Text	Description
KATS20065-E	There is no storage subsystem managed by Device Manager.	*Cause* There is no storage subsystem managed by Device Manager. *Action* Add a storage subsystem to Device Manager.
KATS20069-E	The volume could not be deleted because another task has not ended.	*Cause* A volume cannot be deleted because a task has not finished. *Action* Delete the volume after the task finishes. For details on volumes, see the *Hitachi Command Suite User Guide*.
KATS20070-E	No more filter conditions can be added.	*Cause* No more filter conditions can be added. *Action* To add a filter condition, first delete a specified filter condition, and then add the filter condition.
KATS20071-E	The Search in item can not specify because the Storage Domain: *storage-domain-name* is refreshing.	*Cause* The specified storage domain cannot be specified in the filter conditions because the storage domain is being refreshed. *Action* Wait for the refresh operation that is being executed to finish, and then specify the storage domain in the filter conditions again.
KATS20072-E	Nothing can be specified for the search range (in "Search in") because the configuration of the storage subsystem *storage-subsystem-name* is incomplete.	*Cause* Due to the configuration not being completed properly, the specified storage subsystem cannot be included into the search range. *Action* Use Device Manager to check the status of the storage subsystem, and then reconfigure the subsystem information.
KATS20073-E	The search failed to get any information. One possible cause is that the subsystem *storage-subsystem-name* information was deleted from Device Manager.	*Cause* The information used to search the selected storage subsystem could not be acquired. *Action*

Message ID	Message Text	Description
		Restart the search subwindow and then retry the operation, or check whether the storage subsystem exists in Device Manager. The selected storage subsystem might have been deleted from Device Manager.
KATS20074-E	The search failed to find the storage subsystem. One possible cause is that the subsystem *storage-subsystem-name* information was deleted from Device Manager.	*Cause* Information on the selected storage subsystem could not be acquired. *Action* Check whether the storage subsystem exists in Device Manager. The selected storage subsystem might have been deleted from Device Manager.
KATS20079-E	The specified Migration Group name starts with a space character.	*Cause* A space character cannot be used at the beginning of a migration group name. *Action* Enter a migration group name that does not begin with a space character.
KATS20080-E	The specified Migration Group name ends with a space character.	*Cause* A space character cannot be used at the end of a migration group name. *Action* Enter a migration group name that does not end with a space character.
KATS20081-E	Select the volumes.	*Cause* No volume has been selected. *Action* Select a volume.
KATS20082-E	The controller LDEV number in the filter conditions contains an invalid character.	*Cause* A character that cannot be used has been specified for **DevNum** in the filter conditions. *Action* Enter a valid value for **DevNum** in the filter conditions. Specifiable values for **DevNum** are as follows: • A character string consisting of two or three hexadecimal numbers, each of which is smaller than 0x100. Use a colon (:) to delimit the numbers. • Multiple device numbers can be specified using commas (,) to delimit the device numbers.

Message ID	Message Text	Description
		• A range of device numbers can be specified using a hyphen (-) to delimit the device numbers. • Multiple device numbers and ranges of device numbers can be specified for the same condition. • A space character cannot be specified before or after a colon (:).
KATS20083-E	There are too many device numbers specified in the filter conditions.	*Cause* The count specified for device numbers in the filter conditions is too large. *Action* Specify a valid value for device numbers in the filter conditions. A maximum of 100 elements can be specified for device numbers.
KATS20084-E	The I/O Consumer specified in the filter conditions is too long.	*Cause* The value specified for **I/O Consumer** in the filter conditions is too long. *Action* Specify a valid value for **I/O Consumer** in the filter conditions. Specifiable values for I/O Consumer can be up to 256 bytes in size when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS20085-E	There are too many I/O Consumer specified in the filter conditions.	*Cause* More than two values are specified for **I/O Consumer** in the filter conditions. An **I/O Consumer** cannot be specified more than once. *Action* Specify only one value for **I-O Consumer** in the filter conditions.
KATS20086-E	The array group name specified in the filter conditions is too long.	*Cause* The value specified for **Array Group Name** in the filter conditions is too long. *Action* Specify a valid value for **Array Group Name** in the filter conditions. Specifiable values for **Array Group Name** can be up to 75 bytes in size when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII

Message ID	Message Text	Description
		character is 1 to 3 bytes when converted to UTF-8.
KATS20087-E	There are too many array group names specified in the filter conditions.	*Cause* The count specified for **Array Group Name** in the filter conditions is too large. *Action* Specify a valid value for **Array Group Name** in the filter conditions. A maximum of 100 elements can be specified for **Array Group Name**.
KATS20088-E	An invalid character has been specified for the capacity in the filter conditions.	*Cause* The value specified for **Capacity** in the filter conditions is invalid. *Action* Specify a valid value for **Capacity** in the filter conditions. Only single-byte numerical characters can be specified for **Capacity**.
KATS20089-E	A value outside the valid range has been specified for the capacity in the filter conditions.	*Cause* A value that cannot be specified for **Capacity** has been specified in the filter conditions. *Action* Specify a valid value for **Capacity** in the filter conditions. Only integers from 0 to -2^{63}-1 can be specified for **Capacity**.
KATS20090-E	A I/O Consumer has not been specified in the filter conditions.	*Cause* No value has been specified for **I/O Consumer** in the filter conditions. *Action* Specify a value for **I/O Consumer** in the filter conditions.
KATS20091-E	An array group name has not been specified in the filter conditions.	*Cause* No value has been specified for **Array Group Name** in the filter conditions. *Action* Specify a value for **Array Group Name** in the filter conditions.
KATS20092-E	The capacity has not been specified in the filter conditions.	*Cause* No value has been specified for **Capacity** in the filter conditions. *Action* Specify a value for **Capacity** in the filter conditions.

Message ID	Message Text	Description
KATS20093-E	The device number has not been specified in the filter conditions.	*Cause* No value has been specified for **device number** in the filter conditions. *Action* Specify a value for **device number** in the filter conditions.
KATS20094-E	The specified I/O Consumer starts with a space character.	*Cause* A space character cannot be used at the beginning of an **I/O Consumer name**. *Action* Enter an **I/O Consumer** name that does not begin with a space character.
KATS20095-E	The specified I/O Consumer name ends with a space character.	*Cause* A space character cannot be used at the end of an **I/O Consumer** name. *Action* Enter an **I/O Consumer** name that does not end with a space character.
KATS20096-E	An invalid character has been specified for an array group name in the filter conditions.	*Cause* There is an error in the characters specified for the array group name. *Action* Specify the correct array group name in the filter conditions.
KATS20097-E	The device number format is not correctly specified in the filter conditions.	*Cause* There is an error in the format for the device number in the filter conditions. *Action* Specify the correct device number in the filter conditions.
KATS20098-E	The length of the specified filter condition exceeds the maximum limit.	*Cause* The filter condition exceeds the maximum allowable length. *Action* Enter a filter condition that does not exceed the maximum allowable length.
KATS20099-E	An invalid character has been specified for the host in the filter conditions.	*Cause* There is an error in the characters specified for **I/O Consumer** in the filter conditions. *Action* Specify valid characters for **I/O Consumer** in the filter conditions.

Message ID	Message Text	Description
KATS20100-E	Volume details cannot be displayed.	*Cause* Device Manager might have deleted a volume registered for the migration group. *Action* If Device Manager has already deleted the volume, delete the volume from the migration group.
KATS20101-E	The specified array group name starts with a space character.	*Cause* A space character cannot be used at the beginning of an array group name. *Action* Enter an array group name that does not begin with a space character.
KATS20102-E	The specified array group name ends with a space character.	*Cause* A space character cannot be used at the end of an array group name. *Action* Enter an array group name that does not end with a space character.
KATS20103-E	A blank space is specified in the filter condition of Attribute: *attribute-name-to-be-searched*.	*Cause* A blank space has been specified for a filter condition. *Action* Remove the attribute for which a blank space has been specified, and then retry the operation.
KATS20104-E	The specified Logical DKC Number starts with a space character.	*Cause* A space character cannot be used at the beginning of a logical DKC number. *Action* Enter a logical DKC number that does not begin with a space character.
KATS20105-E	The specified Logical DKC Number ends with a space character.	*Cause* A space character cannot be used at the end of a logical DKC number. *Action* Enter a logical DKC number that does not end with a space character.
KATS20106-E	The entry for Logical DKC Number contains an invalid character.	*Cause* There is an error in the characters specified for the logical DKC number. *Action* Enter a valid logical DKC number.

Message ID	Message Text	Description
KATS20111-E	No SLPR is specified in the filter conditions.	*Cause* No SLPR has been specified for the filter conditions. *Action* Specify the SLPR for the filter conditions.
KATS20112-E	An invalid character is specified in the SLPR in the filter conditions.	*Cause* There is an error in the characters specified for the SLPR in the filter conditions. *Action* Specify the correct SLPR for the filter conditions.
KATS20113-E	The SLPR in the filter conditions is outside the allowed range.	*Cause* A value that cannot be specified for the SLPR has been specified in the filter conditions. *Action* Specify the correct SLPR for the filter conditions.
KATS20114-E	No CLPR is specified in the filter conditions.	*Cause* No CLPR has been specified for the filter conditions. *Action* Specify the CLPR for the filter conditions.
KATS20115-E	An invalid character is specified in the CLPR in the filter conditions.	*Cause* There is an error in the characters specified for the CLPR in the filter conditions. *Action* Specify the correct CLPR for the filter conditions.
KATS20116-E	The CLPR in the filter conditions is outside the allowed range.	*Cause* A value that cannot be specified for the CLPR has been specified in the filter conditions. *Action* Specify the correct CLPR for the filter conditions.
KATS20121-E	No subsystem serial number is specified in the filter conditions.	*Cause* A subsystem serial number has not been specified in the filter conditions. *Action*

Message ID	Message Text	Description
		Specify a subsystem serial number in the filter conditions.
KATS20122-E	The subsystem serial number specified in the filter conditions exceeds the maximum limit.	*Cause* The subsystem serial number specified in the filter conditions is too long. *Action* Specify the correct subsystem serial number in the filter conditions.
KATS20123-E	An invalid character has been specified for the subsystem serial number in the filter conditions.	*Cause* An invalid character was specified for the subsystem serial number in the filter conditions. *Action* Specify the correct subsystem serial number in the filter conditions.
KATS20124-E	The specified subsystem serial number starts with a space character.	*Cause* A space character cannot be used at the beginning of the subsystem serial number in the filter conditions. *Action* Enter a subsystem serial number that does not start with a space character.
KATS20125-E	The specified subsystem serial number ends with a space character.	*Cause* A space character cannot be used at the end of the subsystem serial number in the filter conditions. *Action* Enter a subsystem serial number that does not end with a space character.
KATS20131-E	The controller array group name specified in the filter conditions exceeds the maximum limit.	*Cause* The value specified for **Controller Array Group Name** in the filter conditions is too long. *Action* Specify a valid value for **Controller Array Group Name** in the filter conditions. Up to 75 bytes (when converted to UTF-8) can be specified for the value of **Controller Array Group Name**. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS20132-E	The number of controller array group names specified in the filter conditions exceeds the maximum limit.	*Cause* The count specified for **Controller Array Group Name** in the filter conditions is too large.

Message ID	Message Text	Description
		Action Specify a valid value for **Controller Array Group Name** in the filter conditions. A maximum of 100 elements can be specified for **Controller Array Group Name**.
KATS20133-E	No controller array group name is specified in the filter conditions.	*Cause* No value has been specified for **Controller Array Group Name** in the filter conditions. *Action* Specify a value for **Controller Array Group Name** in the filter conditions.
KATS20134-E	An invalid character has been specified for the controller array group in the filter conditions.	*Cause* An invalid character has been specified for the controller array group name. *Action* Specify a valid controller array group name in the filter conditions.
KATS20135-E	The specified controller array group name starts with a space character.	*Cause* A space character cannot be used at the beginning of a controller array group name in the filter conditions. *Action* Enter a controller array group name that does not start with a space character.
KATS20136-E	The specified controller array group name ends with a space character.	*Cause* A space character cannot be used at the end of a controller array group name in the filter conditions. *Action* Enter a controller array group name that does not end with a space character.
KATS20141-E	An array group busy rate has not been specified in the filter conditions.	*Cause* A value has not been specified for **array group busy rate** in the filter conditions. *Action* Specify a value for **array group busy rate** in the filter conditions.
KATS20142-E	An invalid character has been specified for the array group busy rate in the filter conditions.	*Cause* There is an error in the characters specified for **array group busy rate** in the filter conditions. *Action*

Message ID	Message Text	Description
		Specify a valid character for **array group busy rate** in the filter conditions.
KATS20143-E	A value outside the valid range has been specified for the array group busy rate in the filter conditions.	*Cause* A value that cannot be specified for **array group busy rate** has been specified in the filter conditions. *Action* Specify a valid character for **array group busy rate** in the filter conditions.
KATS20144-E	An array group max busy rate has not been specified in the filter conditions.	*Cause* The maximum value has not been specified for **array group busy rate** in the filter conditions. *Action* Enter the maximum value for **array group busy rate** in the filter conditions.
KATS20145-E	An invalid character has been specified for the array group max busy rate in the filter conditions.	*Cause* There is an error in the numerical value specified for the maximum value of **array group busy rate** in the filter conditions. *Action* Enter a valid numerical value for the maximum value of **array group busy rate** in the filter conditions.
KATS20146-E	A value outside the valid range has been specified for the array group max busy rate in the filter conditions.	*Cause* A value that cannot be specified for the maximum value of **array group busy rate** has been specified in the filter conditions. *Action* Enter a valid numerical value for the maximum value of **array group busy rate** in the filter conditions.
KATS20150-E	The Search in item has not been specified in the filter conditions.	*Cause* The **Search From** item has not been specified in the filter conditions. *Action* Specify the **Search From** item in the filter conditions.
KATS20151-E	If the filter target is a task, the same attribute cannot be specified as a filter condition more than once.	*Cause* The filter condition is **Task(s)**, and the same attribute has been specified as a filter condition more than once.

Message ID	Message Text	Description
		Action Specify an attribute only once.
KATS20152-E	A checkbox has not been selected for the filter condition status.	*Cause* The **Status** checkbox has not been selected for the filter conditions. *Action* Select the **Status** checkbox, or delete the **Status** item from the filter conditions.
KATS20153-E	"TaskType is Migration" must be specified in the filter conditions.	*Cause* "**TaskType is Migration**" has not been specified in the filter conditions. *Action* Add "**TaskType is Migration**" to the filter conditions, or delete the target storage tier from the filter conditions.
KATS20160-E	The task cannot be edited because the task has finished.	*Cause* A finished task cannot be edited. Only a task that is in the standby state or is being executed can be edited. *Action* -
KATS20165-E	A value outside the valid range has been specified for the *filtering-attribute-name* in the filter conditions.	*Cause* A value outside the valid range has been specified for *filtering-attribute-name* in the filtering conditions. *Action* Change the value of the attribute to a value within the valid range.
KATS20166-E	The *filtering-attribute-name* specified in the filter conditions exceeds the maximum length.	*Cause* *filtering-attribute-name* specified in the filter conditions exceeds the maximum length. *Action* Change the value of the attribute to a value within the valid range.
KATS20167-E	An invalid character has been specified for the *filtering-attribute-name* in the filter conditions.	*Cause* An invalid character has been specified in *filtering-attribute-name* in the filter conditions. *Action* Change the value of the attribute to an appropriate value.

Message ID	Message Text	Description
KATS20168-E	The specified *filtering-attribute-name* starts with a space character.	*Cause* The specified *filtering-attribute-name* starts with a space character. *Action* Re-enter the attribute name with the space character removed.
KATS20169-E	The specified *filtering-attribute-name* ends with a space character.	*Cause* The specified *filtering-attribute-name* ends with a space character. *Action* Re-enter the attribute name with the space character removed.
KATS20170-E	*Filtering-attribute-name*, specified in the filter conditions, has been specified more than the maximum number of times.	*Cause* The number of specified *filtering-attribute-name* entries exceeds the maximum that can be entered. *Action* For the attribute for which this error occurred, enter a number of entries that is less than or equal to the maximum number. For details on the maximum number of entries possible for the attribute, see *GUI Help*.
KATS20171-E	*Filtering-attribute-name*, specified in the filter conditions, is invalid.	*Cause* The specified *filtering-attribute-name* format is invalid. *Action* Change the value of the attribute to a value with an appropriate format. For details on specifiable values for *filtering-attribute-name*, see *GUI Help*.
KATS20502-E	Your session has timed out because of invalid token.	*Cause* A session timeout occurred because the token is invalid. *Action* Log in again.
KATS20503-E	An error occurred in the authentication service (Suite Product Single Sign On Service).	*Cause* An error occurred while a user was logging in to Common Component. Common Component might not be running, or an error might have occurred in the communication path. If you are using the external authentication server linkage function, communication with the external authentication server might have failed.

Message ID	Message Text	Description
		Action If you are using the external authentication server linkage function, take the following action. If the external authentication server is LDAP: 1. By using the host, port, and protocol set in "exauth.properties", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the hcmdsldapuser command, check that the information for the server names specified in the "auth.server.name" attribute in "exauth.properties" is registered. 3. If StartTLS is used, check the SSL settings. 4. If you cannot resolve the problem, collect maintenance information for Tiered Storage Manager and Common Component, and then contact customer support. If the external authentication server is RADIUS: 1. By using the host, port, and protocol set in "exauth.properties", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the hcmdsradiussecret command, check that the information for the server names specified in the "auth.server.name" attribute in "exauth.properties" is registered. 3. If you cannot resolve the problem, collect maintenance information for Tiered Storage Manager and Common Component, and then contact customer support. If the external authentication server is Kerberos: 1. By using the host and port set in "exauth.properties", check the settings of the external

Message ID	Message Text	Description
		authentication server, the network status, and whether the authentication server can be accessed. 2. If you cannot resolve the problem, collect maintenance information for Tiered Storage Manager and Common Component, and then contact customer support. If you are not using the external authentication server linkage function, make sure that Common Component is running, and then retry. If the error still occurs when you retry, collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS20506-E	Please enable Java Script in your browser.	*Cause* Java Script is disabled in the browser. *Action* Enable Java Script.
KATS20507-E	Tiered Storage Manager is not installed correctly.	*Cause* Tiered Storage Manager has not been installed correctly. *Action* -
KATS20508-E	You do not have login permissions for Tiered Storage Manager.	*Cause* You are logged in as a user without global permissions. *Action* Log in as a user with global permissions. Alternatively, grant the current user global permissions, and then perform log in again.
KATS20509-E	Tiered Storage Manager access to DB is blocked. Problem is detected in *application-name*. Call server administrator.	*Cause* The database used by Tiered Storage Manager is blocked. *Action* Contact the server administrator.
KATS20721-E	Nothing can be specified for the search range (in "Search in") because the storage subsystem *storage-subsystem-name* is now being refreshed.	*Cause* The specified storage subsystem is currently being refreshed, and therefore, cannot be included in the search range. *Action* Wait until the refresh finishes, and then include the external storage in

Message ID	Message Text	Description
		the search range. For SMI-S Enabled subsystems, Device Manager will refresh the information to be used by Tiered Storage Manager after a storage subsystem has been added or updated. Wait a while, and then retry the operation.
KATS20722-W	The storage subsystem information is not up-to-date. Refresh the storage subsystem *storage-subsystem-name*.	*Cause* The information about the specified storage subsystem is not up to date. *Action* Refresh the storage subsystem indicated in the message.
KATS20723-I	License exception has already been solved.	*Cause* A storage subsystem where a license error occurred does not exist. *Action* -
KATS20724-W	The limit of licensed capacity has been exceeded.	*Cause* There is a storage subsystem where a license error occurred. *Action* -
KATS20725-W	A value in the property file client.properties is incorrect. The default value for *property-key-name* (key = *property-key-name*, value = *property-value*) will be used for startup.	*Cause* The values specified for the file `client.properties` are invalid. *Action* Correct the invalid values, and then restart the HBase Storage Mgmt Common Service.
KATS20726-W	The property file (client.properties) was not found. The default value for key (*property-key-name*) will be used for startup.	*Cause* An attempt to read the file `client.properties` has failed. *Action* Make sure that the file `client.properties` exists.
KATS20727-W	A value in the property file client.properties is not specified. The default value for key (*property-key-name*) will be used for startup.	*Cause* Check the contents of the message. *Action* -
KATS20728-I	The value (*property-value*) has been specified for key (*property-key-name*) in the property file client.properties.	*Cause* Check the contents of the message. *Action* -

Message ID	Message Text	Description
KATS20729-E	There is an invalid value in the property file client.properties. (key = *property-key-name*, value = *property-value*)	*Cause* A value specified in the file `client.properties` is invalid. *Action* Correct any invalid values, and then restart the HBase Storage Mgmt Common Service.
KATS20730-E	There is an unspecified value in the property file client.properties. (key = *property-key-name*)	*Cause* A value specified in the file `client.properties` is invalid. *Action* Correct any invalid values, and then restart the HBase Storage Mgmt Common Service.
KATS20751-E	You do not have permission to view the report screen.	*Cause* The logged-in user does not have permission to display the report. *Action* Check the permissions of the logged-in user, and then retry the operation.
KATS20752-E	The report screen cannot be displayed because the objects you want to display do not exist.	*Cause* The target objects do not exist. *Action* Select the objects to display or check the contents for the selected objects, and then retry the processing.
KATS20753-E	The report screen cannot be displayed because the URL is invalid.	*Cause* The report screen URL is invalid. *Action* Retry the operation. If the error is repeated, collect the Tiered Storage Manager maintenance information, and then contact customer support.
KATS20754-E	The report screen cannot be displayed because the URL is invalid.	*Cause* The report screen URL is invalid. *Action* The URL for the screen to be displayed is invalid. Check the values specified for the file `client.properties`, and then restart the HBase Storage Mgmt Common Service.
KATS20755-E	The HP StorageWorks XP Performance Advisor report display function is currently disabled because the report	*Cause* The settings for displaying HP StorageWorks XP Performance Advisor reports are not complete. *Action*

Message ID	Message Text	Description
	display settings are not complete in the property file client.properties.	Check the values related to displaying HP StorageWorks XP Performance Advisor reports, and then restart the HBase Storage Mgmt Common Service.
KATS20756-I	The HP StorageWorks XP Performance Advisor report display function is now enabled.	*Cause* Check the contents of the message. *Action* -

KATS30000 - KATS39999

The following table describes messages KATS30000 to KATS39999, which are related to Tiered Storage Manager GUI.

Table 2-26 KATS30000 - KATS39999 (messages related to Tiered Storage Manager GUI)

Message ID	Message Text	Description
KATS30002-I	Are you sure you want to execute the change?	*Cause* - *Action* -
KATS30003-I	Are you sure you want to cancel the change?	*Cause* - *Action* -
KATS30004-I	Are you sure you want to cancel creation of the Migration Group?	*Cause* - *Action* -
KATS30006-I	Are you sure you want to create the Migration Group?	*Cause* - *Action* -
KATS30008-I	Are you sure you want to cancel setting of migration and close the window?	*Cause* - *Action* -
KATS30009-I	Are your sure you want to cancel the task?	*Cause* - *Action*

Message ID	Message Text	Description
		-
KATS30010-I	Are your sure you want to delete the task?	*Cause* - *Action* -
KATS30011-W	A filter condition contains invalid information.	*Cause* The entered filter conditions contain an invalid filter condition. *Action* Check the filter conditions, and then search again.
KATS30012-I	Are you sure you want to cancel addition of the volume?	*Cause* - *Action* -
KATS30013-I	Are you sure you want to cancel deletion of the volume?	*Cause* - *Action* -
KATS30014-W	A Storage Tier has not been selected.	*Cause* - *Action* -
KATS30015-I	Are you sure you want to execute the task?	*Cause* - *Action* -
KATS30016-W	A filter condition has not been specified.	*Cause* An attempt was made to search for a volume without specifying any filter conditions. *Action* Specify filter conditions, and then search for a volume again.
KATS30017-W	No volume(s) specified.	*Cause* No volume has been selected. *Action* Select a volume, and then retry.
KATS30020-W	Specify a filter condition.	*Cause* The filter conditions have not been specified. *Action*

Message ID	Message Text	Description
		Specify the filter conditions, and then retry.
KATS30021-W	Are you sure you want to select a volume that belongs to a different SLPR?	*Cause* - *Action* -
KATS30023-W	A task has not been selected.	*Cause* No task has been selected. *Action* Select a task, and then retry.
KATS30024-W	Click the Show Volume List button and check the list of volumes.	*Cause* - *Action* Click the **Show Volume List** button
KATS30025-W	Are you sure you want to select a volume that is set for a migration destination of another migration source volume?	*Cause* - *Action* If you have clicked the **OK** button, set the migration target volume for another migration source volume.

KATS40000 - KATS49999

The following table describes messages KATS40000 to KATS49999, which are related to the Tiered Storage Manager server.

Table 2-27 KATS40000 - KATS49999 (messages related to the Tiered Storage Manager server)

Message ID	Message Text	Description
KATS40601-I	HiCommand Tiered Storage Manager CLI setup ended successfully.	*Cause* Setup for Tiered Storage Manager CLI finished successfully. *Action* -
KATS40602-E	An attempt to set up the HiCommand Tiered Storage Manager CLI has failed.	*Cause* An attempt to set up Tiered Storage Manager CLI, or to install and set up the Hitachi Network Object plaza Trace Library has failed. *Action* Set up the Tiered Storage Manager CLI again. If an abnormal termination occurs even after performing setup

Message ID	Message Text	Description
		again, collect the trace information from when setup was performed, and then contact customer support.
KATS40603-E	An attempt to allocate memory has failed.	*Cause* Memory allocation failed. *Action* Secure memory resources by, for example, stopping other running programs, and then try again.
KATS40604-E	An attempt to read the registry has failed.	*Cause* The registry information for the Hitachi Network Object plaza Trace Library is invalid. *Action* Perform setup or unsetup for Tiered Storage Manager again. If an abnormal termination occurs even after performing setup or unsetup again, collect the trace information from when CLI setup or unsetup was performed, and then contact customer support.
KATS40605-I	HiCommand Tiered Storage Manager CLI unsetup ended successfully.	*Cause* Unsetup for Tiered Storage Manager CLI finished successfully. *Action* -
KATS40606-E	An attempt to perform unsetup of the HiCommand Tiered Storage Manager CLI has failed.	*Cause* An attempt to unsetup the Tiered Storage Manager CLI, or to uninstall and unsetup the Hitachi Network Object plaza Trace Library has failed. *Action* Perform unsetup of the Tiered Storage Manager CLI again. If an abnormal termination occurs even after performing unsetup again, collect the trace information from when setup was performed, and then contact customer support.
KATS40607-I	Before you can use the program, you must restart your computer.	*Cause* Before using the program, the computer must be rebooted because delayed copying occurred during installation of the Hitachi Network Object plaza Trace Library. *Action*

Message ID	Message Text	Description
		After setup finishes, reboot the computer.
KATS40610-E	The user group permissions are not system administrator permissions.	*Cause* A user who does not have system administrator permissions cannot perform setup or unsetup of the Tiered Storage Manager CLI. *Action* Perform setup or unsetup of the Tiered Storage Manager CLI again as a user who has system administrator permissions.
KATS40611-E	The user does not have root user permissions.	*Cause* A user who does not have root user permissions cannot perform setup or unsetup of the Tiered Storage Manager CLI. *Action* Perform setup or unsetup of the Tiered Storage Manager CLI again as a user who has root user permissions.
KATS40612-E	The extraction destination for the CLI setup file is invalid. Extract the file under the *extraction-destination*.	*Cause* The extraction destination for the CLI setup file is invalid. *Action* In Windows: Extract the file directly under the system drive. In Unix: Extract the file directly under the `/opt` directory.
KATS40613-E	This setup file is for *OS-name*.	*Cause* This CLI setup file is not for the OS of the machine to be set up. *Action* Use the CLI setup file that corresponds to the OS of the machine to be set up.
KATS40901-I	A start request for the Tiered Storage Manager service was received.	*Cause* A request for starting the Tiered Storage Manager service was received. *Action* -
KATS40902-I	The Tiered Storage Manager service started.	*Cause* The Tiered Storage Manager service has started. *Action*

Message ID	Message Text	Description
		-
KATS40909-E	An attempt to start the Tiered Storage Manager service has failed.	*Cause* An attempt to start the Tiered Storage Manager service has failed. *Action* See the message output immediately prior to this message, and then take corrective action.
KATS40910-I	A stop request for the Tiered Storage Manager service was received.	*Cause* A request for stopping the Tiered Storage Manager service was received. *Action* -
KATS40911-I	The Tiered Storage Manager service stopped.	*Cause* The Tiered Storage Manager service has stopped. *Action* -
KATS40912-W	The Tiered Storage Manager server is now starting. Processing to stop the service will be interrupted. Wait a while, and then try to stop the service again.	*Cause* The service cannot be stopped because the Tiered Storage Manager server is starting. *Action* After startup processing for Tiered Storage Manager server finishes, re-enter the stop request.
KATS40913-W	Processing to stop the Tiered Storage Manager server is already being performed.	*Cause* The stop request cannot be accepted because the Tiered Storage Manager server is already undergoing stop processing. *Action* After stop processing for the Tiered Storage Manager server finishes, re-enter the stop request.
KATS40919-E	An attempt to stop the Tiered Storage Manager service has failed.	*Cause* An attempt to stop the Tiered Storage Manager service has failed. *Action* Retry the operation, and if the attempt to stop the service fails again, collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS40920-E	An attempt to connect to the service control manager has failed. (error code: *error-code*)	*Cause* An attempt to connect to the service control manager has failed. *Action* Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40921-E	An attempt to report the service status (status:*status*) to the service control manager has failed. (error code: *error-code*)	*Cause* An attempt to report the service status to the service control manager has failed. The value indicated in status: *service-status* is one of the following: • START_PROCESS: During start processing • STOP_PROCESS: During stop processing • STOPPED: Stopped • RUN: Running *Action* Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again even after restarting the OS, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40922-E	An attempt to register the control handler into the service control manager has failed. (error code: *error-code*)	*Cause* An attempt to register the control handler to the service control manager has failed. *Action* Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40923-E	An attempt to create a service stop event object has failed. (error code: *error-code*)	*Cause* An attempt to create a service stop event object has failed. *Action* Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered

Message ID	Message Text	Description
		Storage Manager, and then contact customer support.
KATS40930-E	An attempt to allocate memory has failed.	*Cause* Memory allocation failed. *Action* Secure memory resources by, for example, stopping other running programs, and then try again.
KATS40931-E	An attempt to create a file has failed. (file name: *file-name*, error code: *error-code*)	*Cause* An attempt to create a file to be used in the Tiered Storage Manager service has failed. *Action* If an attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40932-E	An attempt to write a file has failed. (file name: *file-name*, error code: *error-code*)	*Cause* An attempt to write to a file used in the Tiered Storage Manager service has failed. *Action* Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40933-E	An attempt to set an environment variable has failed.	*Cause* An attempt to set an environment variable used in the Tiered Storage Manager service has failed. *Action* Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40934-E	An attempt to acquire information about the server process of Tiered Storage Manager has failed. (error code: *error-code*)	*Cause* An attempt to acquire data on the Tiered Storage Manager server process has failed. *Action* Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered

Message ID	Message Text	Description
		Storage Manager, and then contact customer support.
KATS40935-E	An attempt to load the DLL has failed. (DLL name: *DLL-name*)	*Cause* An attempt to load the DLL has failed. *Action* Re-install the Tiered Storage Manager server. If this error occurs repeatedly after reinstallation, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40936-E	An attempt to acquire a function address in the DLL has failed. (function name: *function-name*)	*Cause* An attempt to collect a function address in the DLL has failed. *Action* Re-install the Tiered Storage Manager server. If this error occurs repeatedly after reinstallation, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40940-E	The registry information for Tiered Storage Manager is invalid. (error code: *error-code*)	*Cause* The registry information for Tiered Storage Manager is invalid. *Action* Re-install the Tiered Storage Manager server.
KATS40941-E	The registry information for Common Component is invalid. (error code: *error-code*)	*Cause* The registry information for Common Component is invalid. *Action* Re-install the Tiered Storage Manager server. If you re-install the Tiered Storage Manager server, Common Component will also be re-installed.
KATS40942-E	The registry information for the Hitachi Network Objectplaza Trace Library is invalid. (error code: *error-code*)	*Cause* The registry information for the Hitachi Network Object plaza Trace Library is invalid. *Action* Re-install the Tiered Storage Manager server. If you re-install the Tiered Storage Manager server, the Hitachi Network Object plaza Trace Library will also be re-installed.
KATS40950-E	An attempt to start Java Virtual Machine has failed.	*Cause* An attempt to start JavaVM has failed.

Message ID	Message Text	Description
		Action Retry the operation, and if the attempt to start or stop Tiered Storage Manager fails again, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40951-E	An attempt to load the class starting Tiered Storage Manager server has failed.	*Cause* The library file of the Tiered Storage Manager server program (jar file) is invalid. *Action* Re-install the Tiered Storage Manager server.
KATS40952-E	An attempt to acquire the method identifier for the method starting Tiered Storage Manager server has failed.	*Cause* The library file of the Tiered Storage Manager server program (jar file) is invalid. *Action* Re-install the Tiered Storage Manager server.
KATS40953-E	An attempt to execute the method starting Tiered Storage Manager server has failed.	*Cause* An attempt to start the Tiered Storage Manager server has failed. *Action* See the command and message logs, and take appropriate action. If this error occurs repeatedly even after taking the appropriate action, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS40954-E	An attempt to acquire the method identifier for the method stopping Tiered Storage Manager server has failed.	*Cause* The library file of the Tiered Storage Manager server program (jar file) is invalid. *Action* Re-install the Tiered Storage Manager server.
KATS40955-E	An attempt to load the exception class of the Tiered Storage Manager server has failed.	*Cause* The library file of the Tiered Storage Manager server program (jar file) is invalid. *Action* Re-install the Tiered Storage Manager server.

Message ID	Message Text	Description
KATS41000-I	Tiered Storage Manager will now start.	*Cause* - *Action* -
KATS41001-I	Tiered Storage Manager has started.	*Cause* - *Action* -
KATS41002-I	Tiered Storage Manager will now stop.	*Cause* - *Action* -
KATS41003-I	Tiered Storage Manager has stopped.	*Cause* - *Action* -
KATS41004-W	The request to stop Tiered Storage Manager could not be accepted because it is already stopping.	*Cause* The Tiered Storage Manager stop command has already been executed. *Action* Wait for Tiered Storage Manager to stop.
KATS41005-W	The request to stop Tiered Storage Manager could not be accepted because it is in the process of starting.	*Cause* Tiered Storage Manager is starting. *Action* Re-execute the command after the startup of Tiered Storage Manager finishes.
KATS41006-E	An attempt to start Tiered Storage Manager has failed.	*Cause* An attempt to start Tiered Storage Manager has failed. *Action* See the message that was output immediately before this message, and then take appropriate action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS41007-E	An attempt to start Tiered Storage Manager failed because the host name of the	*Cause*

Message ID	Message Text	Description
	Tiered Storage Manager server that was specified at installation is invalid. (host name: *host-name*)	The host name or IP address format of the Tiered Storage Manager server that was specified during installation might be invalid. *Action* Execute the `hcmdschgurl` command, and reset the URL information for the Tiered Storage Manager server. For details on the `hcmdschgurl` command, see the *Hitachi Command Suite Administrator Guide*. If the IP address for the Tiered Storage Manager server is an IPv6 address, enclose the IP address portion of the specified URL in square brackets (`[ ]`). (Example: `[2001:fecd:ba23:cd1f:dcb1:1010:9234:4088]`)
KATS41009-E	An attempt to reference the restore information file has failed. (file name: *file-name-for-restore-information* (*absolute-path*))	*Cause* The Common Component environment is invalid. *Action* Collect the maintenance information for Tiered Storage Manager, and contact customer support.
KATS41010-E	File creation failed. (file name: *file-name*(*absolute-path*))	*Cause* An attempt to create a file to be used in Tiered Storage Manager has failed. *Action* Make sure that you have access permissions for the installation destination for Tiered Storage Manager. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and then contact customer support.
KATS41050-W	Tiered Storage Manager is completely blocked.	*Cause* The Tiered Storage Manager server is completely blocked. *Action* Take the following action: 1. Stop Tiered Storage Manager. 2. Use the message log to identify the cause of the complete block in Tiered Storage Manager, and then take appropriate action.

Message ID	Message Text	Description
		For details on the message logs, see the *Hitachi Command Suite Administrator Guide*.
KATS41051-W	Tiered Storage Manager is in a GUI-blocked state.	*Cause* The GUI is blocked in Tiered Storage Manager. *Action* Take the following action: 1. Stop the Tiered Storage Manager server. 2. Use the message log to identify the cause of the GUI block in Tiered Storage Manager, and then take appropriate action. For details on the message logs, see the *Hitachi Command Suite Administrator Guide*.
KATS41055-E	The request cannot be accepted because the maximum number of simultaneous requests that can be processed has been reached.	*Cause* The number of requests that the Tiered Storage Manager server can process concurrently has reached the maximum. The Possible causes are as follows: • Multiple operations are being performed concurrently for Tiered Storage Manager. • During a refresh operation for a storage domain, an operation that increases the load on Tiered Storage Manager is being performed. • The performance of the machine environment of the management server on which the Tiered Storage Manager server is running has deteriorated. • Affected by other applications, the CPU load and I/O load have become higher on the computer where the Tiered Storage Manager server is running. • The Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager (such as the number of volumes in a migration group) have been exceeded. In the above cases, the response time of Tiered Storage Manager operations

Message ID	Message Text	Description
		increases. This error occurs because processing is temporarily delayed due to heavy access. *Action* Wait a while and then execute the operation again. • If the Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager have been exceeded, reduce these values. For details on the values guaranteed by Tiered Storage Manager, see the *Hitachi Command Suite User Guide*. • For details on the machine environment of the management server that is required to run the Tiered Storage Manager server, see the *Hitachi Command Suite Administrator Guide*.
KATS41056-W	The request cannot be accepted because Tiered Storage Manager is in a completely blocked state.	*Cause* The Tiered Storage Manager is completely blocked. *Action* Take the following action: 1. Stop the Tiered Storage Manager server. 2. Use the message log to identify the cause of the complete block in Tiered Storage Manager, and then take appropriate action. For details on the message log, see the *Hitachi Command Suite Administrator Guide*. 3. Make the request. For details on the message logs, see the *Hitachi Command Suite Administrator Guide*.
KATS41057-W	The request cannot be accepted because Tiered Storage Manager is in a GUI-blocked state.	*Cause* The GUI is blocked in Tiered Storage Manager. *Action* Take the following action: 1. Stop the Tiered Storage Manager server. 2. Use the message log to identify the cause of the error in the integrated repository, and then take corrective action.

Message ID	Message Text	Description
		For details on the message log, see the *Hitachi Command Suite Administrator Guide*. 3. Make the request. For details on the message logs, see the *Hitachi Command Suite Administrator Guide*.
KATS41058-W	The request cannot be accepted because Tiered Storage Manager is in the process of stopping.	*Cause* The Tiered Storage Manager is stopping. *Action* -
KATS41059-W	The request cannot be accepted because Tiered Storage Manager is in the process of starting.	*Cause* The Tiered Storage Manager is starting. *Action* After the Tiered Storage Manager starts, make the request.
KATS41100-W	The task management processing or event detection processing cannot be executed because Tiered Storage Manager is in a completely blocked state.	*Cause* The Tiered Storage Manager is completely blocked. *Action* Take the following action: 1. Stop the Tiered Storage Manager. 2. Use the message log to identify the cause of the complete block in Tiered Storage Manager, and then take appropriate action. For details on the message logs, see the *Hitachi Command Suite Administrator Guide*.
KATS41150-E	The property file does not exist. (file name: *nonexistent-property-file-name*)	*Cause* The property file does not exist in the `conf` directory under the Tiered Storage Manager installation directory. *Action* Make sure that the property file displayed in the message exists in the `conf` directory under the Tiered Storage Manager installation directory.
KATS41151-E	This property key is invalid. Reading of the property file will now stop. (file name: *property-file-name*, key: *invalid-property-key-name*)	*Cause* An invalid property key is specified in the property file. *Action* Review the entry for the property key specified in the displayed file. For details on the property file, see the

Message ID	Message Text	Description
		Hitachi Command Suite Administrator Guide.
KATS41152-E	A property value is invalid. Reading of the property file will now stop. (file name: *property-file-name*, key: *property-key-name*)	*Cause* The specified property value either exceeds the maximum value, or contains an invalid character. *Action* Check the value specified for the property key in the displayed file. For details on the values that can be specified in the property file, see the *Hitachi Command Suite Administrator Guide*.
KATS41199-E	An internal error occurred. (exit code: *exit-code*)	*Cause* An internal error occurred. *Action* Collect the internal code displayed in the message as well as the maintenance information for Tiered Storage Manager, and then contact customer support:
KATS41200-E	The system environment is invalid.	*Cause* The system environment is invalid. *Action* Collect the maintenance information for Tiered Storage Manager as well as the `hcmdslicense2.log` file that exists directly under the Tiered Storage Manager installation directory, and then contact customer support.
KATS41201-W	The entered license key is invalid.	*Cause* The entered license key is invalid. *Action* Collect a valid license key or license key file.
KATS41202-W	The entered license key file was not found.	*Cause* The entered license key file could not be found. *Action* Collect the necessary license key or license key file again.
KATS41203-W	The entered license key file is invalid.	*Cause* The entered license key file is invalid. *Action* Collect a valid license key or license key file.

Message ID	Message Text	Description
KATS41204-W	The entered license key was not in the license key file.	*Cause* The entered license key does not exist in the license key file. *Action* Collect a valid license key or license key file.
KATS41205-W	The license has expired.	*Cause* The license has expired. *Action* Collect a valid license key.
KATS41206-W	This license has not been registered.	*Cause* The license is not registered. *Action* Collect a valid license key.
KATS41207-E	An attempt to update license information has failed.	*Cause* An attempt to update the license information has failed. *Action* See the message output immediately prior to this message, and then take corrective action. If this message is output to the GUI, see the message that is output immediately before this message in the message log file for the Tiered Storage Manager server and take appropriate action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS41208-E	An attempt to view license information has failed.	*Cause* An attempt to view the license data has failed. *Action* See the message output immediately prior to this message, and then take corrective action. If this message is output to the GUI, see the message that is output immediately before this message in the message log file for the Tiered Storage Manager server and take appropriate action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered

Message ID	Message Text	Description
		Storage Manager, and then contact customer support.
KATS41209-I	The license information was updated.	*Cause* - *Action* -
KATS41210-W	The limit of licensed capacity has been exceeded.	*Cause* - *Action* -
KATS41211-I	The licensed capacity has been within the limit.	*Cause* - *Action* -
KATS41300-E	Startup of Tiered Storage Manager was canceled because Device Manager stopped.	*Cause* Device Manager has stopped. *Action* Restart the services of Hitachi Command Suite products. If the problem occurs again, resolve the problem that is causing Device Manager to stop by referring to the Hitachi Command Suite Software documentation.
KATS41800-E	Memory is insufficient.	*Cause* The available memory required for server operations is insufficient. *Action* If this error occurs repeatedly, restart the server. If you still cannot resolve the problem, stop any unnecessary processes or increase the memory for the server machine.
KATS41801-E	An internal error occurred.	*Cause* An internal error occurred. *Action* See the message output immediately prior to this message, and then take corrective action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and contact customer support.

Message ID	Message Text	Description
KATS41940-I	Device Manager user information was updated.	*Cause* - *Action* -
KATS41941-I	SMTP authentication user information was updated.	*Cause* - *Action* -
KATS41942-E	The command cannot be executed because the entered user information has not been registered in Device Manager.	*Cause* The entered user information is not registered in Device Manager. *Action* Register the entered user information to Device Manager, and then re-execute the command.
KATS41943-E	The command cannot be executed because communication with a prerequisite program product failed.	*Cause* An attempt to communicate with the Device Manager server has failed. *Action* See the message output immediately prior to this message, and then take corrective action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS41944-E	The user does not have Modify permission for the entered user information.	*Cause* The user does not have Modify permission for the entered user information. *Action* Re-execute the command as a user who has Modify permission.
KATS41945-E	The user does not have Admin permission for the entered user information.	*Cause* The user does not have Admin permission for the entered user information. *Action* Re-execute the command as a user who has Admin permission.
KATS41946-E	The command cannot be executed because the entered user information has not been	*Cause* The entered user information has not been registered in Tiered Storage Manager.

Message ID	Message Text	Description
	registered in Tiered Storage Manager.	*Action* Register the entered user information in Tiered Storage Manager, and then re-execute the command.
KATS41947-E	The user ID entered for SMTP authentication is invalid.	*Cause* The character string entered for the SMTP authentification user ID exceeded the specifiable range, or a character that cannot be used has been entered for the SMTP authentification user ID. *Action* Enter a valid user ID for SMTP authentification within a range of 1 to 64 characters. Specifiable characters for SMTP authentification user ID are as follows: A to Z, a to z, 0 to 9, and the following characters: - _ . , @ ! # $ % & ' * + = ? ^ |
KATS41948-E	The password entered for SMTP authentication is invalid.	*Cause* The character string entered for the SMTP authentification password exceeded the specifiable range, or a character that cannot be used has been entered for the SMTP authentification password. *Action* When specifying a password for SMTP authentification, enter a valid password within a range of 1 to 64 characters. Specifiable characters for the SMTP authentification password are as follows: A to Z, a to z, 0 to 9, and the following characters: - _ . , @ ! # $ % & ' * + = ? ^ | If no password is specified for SMTP authentification, a null string will be set.
KATS41950-E	The command cannot be executed because an attempt to communicate with Tiered Storage Manager failed.	*Cause* Possible causes are as follows: • Tiered Storage Manager has already stopped. • A communication error has occurred. • An attempt to stop Tiered Storage Manager might have failed

Message ID	Message Text	Description
		because the host name or IP address of the Tiered Storage Manager server specified during installation is incorrect. *Action* If it has not stopped, execute the server forced-stop command to force the server to stop. Execute the `hcmdschgurl` command to check the URL information for the Tiered Storage Manager server, and reset the URL information if it is not correct. For details on the `hcmdschgurl` command, see the *Hitachi Command Suite Administrator Guide*.
KATS41970-E	Command execution has failed. (system call: *system-call*)	*Cause* An error occurred in the system call used by the command. A brief burst of I/O activity utilized a large amount of memory and might have caused an insufficiency in the resources necessary to perform the system call. *Action* Stop any unnecessary processes, and then execute the command again. If the problem is not corrected, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS41980-E	Tiered Storage Manager is already running.	*Cause* The Tiered Storage Manager is already running. *Action* -
KATS41981-E	Tiered Storage Manager is not running.	*Cause* The Tiered Storage Manager is not running. *Action* -
KATS41982-E	Tiered Storage Manager cannot stop.	*Cause* An internal error occurred. *Action* See the message output immediately prior to this message, and then take corrective action. If a message is not

Message ID	Message Text	Description
		output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS41983-I	Tiered Storage Manager is running.	*Cause* Tiered Storage Manager is running. *Action* -
KATS41984-I	Tiered Storage Manager is stopped.	*Cause* Tiered Storage Manager has stopped. *Action* -
KATS41995-E	The file was not found. (file name: *file-name*)	*Cause* The htsmservice.pid file was not found. *Action* Check whether Tiered Storage Manager has stopped. If Tiered Storage Manager has not stopped, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS41996-E	The process cannot be terminated. (pid: *specified-process-ID*)	*Cause* You do not have permission to forcibly end this processing. *Action* Log in as a user with Windows administrators group user permissions, and then try again.
KATS41997-E	The process does not exist. (pid: *specified-process-ID*)	*Cause* The system cannot recognize the Tiered Storage Manager that is to be forcibly stopped. *Action* Check whether Tiered Storage Manager has stopped. If Tiered Storage Manager has not stopped, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS41998-E	An internal error occurred. (*internal-code (character-string)*, *internal-code (integer)*)	*Cause* An internal error occurred. *Action* Collect the internal code displayed in the message, and then contact customer support:

Message ID	Message Text	Description
KATS41999-E	usage: *proper-command-usage*	*Cause* The command was used incorrectly. *Action* Check the output explanation on how to use the command, and then re-execute the command.
KATS48000-E	An attempt to communicate with the server has failed.	*Cause* Possible causes are as follows: • The client attempted to connect to a server that had not yet started. • An invalid port number was specified for the CLI command. • An invalid SSL parameter was specified for the CLI command. • The specified path of the certificate for SSL communication (`certs` file) is invalid. • The contents of the certificate (`certs` file) for SSL communication are invalid. • IPv6 communication cannot be performed. *Action* Take the following actions: • Make sure that the server has started. • Make sure that the specified port number is the same as the value specified for `server.rmi.port` or `server.rmi.security.port` in the `server.properties` property file of the server. • The specified combination of the security option and port number might be invalid. If the security option is specified, use the port number for SSL. Check the value of `server.rmi.secure` and `server.rmi.security.port` in the `server.properties` property file of the server. (Example: When the security option is specified, `server.rmi.secure = 2`, `server.rmi.security.port =` *port-number-for-SSL*) • The certificate for SSL communication (`certs` file) might not be recognized. For details on how to have the `certs` file

Message ID	Message Text	Description
		recognized, see the *Tiered Storage Manager CLI Reference Guide*. • The certificate for SSL communication (`certs` file) might be invalid. Use the `certs` file that was downloaded from the Tiered Storage Manager server. For details on how to download the `certs` file, see the *Tiered Storage Manager CLI Reference Guide*. • Do not specify an IPv6 address during setup of the Tiered Storage Manager server unless IPv6 addresses can be used on the computer that will use the CLI. Confirm that IPv6 communication can be made between the computer that will use the CLI and the computer on which the Tiered Storage Manager server has been installed. Also, make sure that the JRE specified for the environment variable `HTSM_CLI_JRE_PATH` satisfies the CLI program requirements.
KATS48001-E	The response from the server contained an unexpected data format.	*Cause* The client could not recognize the data from the server. *Action* Check the operating status of the server. If the server is not running, start the server, and then retry the operation. If the server is running, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS48002-E	A server was not found at the specified URL.	*Cause* The server could not be found. *Action* Check the operating status of the server.
KATS48003-E	An error occurred during execution of a server call.	*Cause* An error occurred during the RMI communication. *Action* Collect the maintenance information for Tiered Storage Manager, and contact customer support.
KATS48004-E	An error occurred in the server.	*Cause*

Message ID	Message Text	Description
		An error occurred in the server. *Action* Check the message on the server side.
KATS48400-E	An invalid property name (*invalid-property-name*) was detected.	*Cause* The property name specified for the filter conditions did not match the property name to be received. *Action* Make sure that the property name is valid.
KATS48401-E	An invalid operator (*invalid-operator-name*) for the *property-name* property was detected.	*Cause* The specified operator is not applicable for the property specified for the filter conditions. *Action* Make sure that the operator is applicable for the specified property.
KATS48402-E	An invalid value (*invalid-value*) for the (*property-name*) property was detected.	*Cause* The specified value cannot be accepted as a value for the property specified as a filter condition. *Action* Make sure that the specified property value is a specifiable value.
KATS48403-E	The format of the (*property-name*) property value is invalid. An expected word (*expected-word*) was not found.	*Cause* The property value specified for a filter condition does not contain words in the expected format. *Action* Check the format of the specified property values.
KATS48404-E	The format is invalid. An unexpected word (*unexpected-word*) was detected.	*Cause* The filter conditions contain an unexpected word. *Action* Check the format of the filter conditions.
KATS48405-E	The format is invalid. An expected word (*expected-word*) was not found.	*Cause* The filter conditions do not contain a word in the expected format. *Action* Check the format of the filter conditions.

Message ID	Message Text	Description
KATS48406-E	The format of the *property-name* property value is invalid. An unexpected word (*unexpected-word*) was detected.	*Cause* The property value specified for a filter condition contains a word in an unexpected format. *Action* Check the format of the specified property values.
KATS48407-E	The format of the (*property-name*) property value is invalid. The number of digits for the hexadecimal value of the device number (*entry-specified-as-the-device-number*) is invalid.	*Cause* The number of digits containing zeros preceding the device number specified in the filter condition is invalid. The possible causes are as follows: • The hexadecimal values, which are separated by colons (:), contain only one or four or more parts. • The first part of the colon-separated hexadecimal value has three or more digits, or the number of digits for the second or third part is not two. *Action* Check the coding format of the device number for the specified property. Make sure that the coding format is either of the following: • A character string consists of two colon-separated hexadecimal values (each value must be less than 0x100). Specify one or two digits for the first value, and two digits for the second. • A character string consists of three colon-separated hexadecimal values (each value must be less than 0x100). Specify one or two digits for the first value, and two digits for the others.
KATS48408-E	Information for the storage domain has not been specified.	*Cause* A storage tier and migration group cannot be specified at the same time. Also, when you specify the storage tier or migration group by its name, you must specify the storage domain information. *Action* Specify the storage domain information.

Message ID	Message Text	Description
KATS48409-E	Information for identifying the volume has not been specified.	*Cause* The required information has not been specified. To specify the volume, you must specify the controller logical device number or the object ID of the logical unit. *Action* Specify the controller logical device number or the object ID of the logical unit.
KATS48410-E	The number of comma-delimited elements in the filter conditions exceeds the limit. (property: *property*, specified number of elements: *number-of-specified-elements*, specifiable number of elements: *max-allowable-number-of-elements*)	*Cause* The maximum number of elements that can be specified for the value was exceeded. *Action* Correctly specify the number of elements that can be specified for the filter condition value. The specifiable number of elements for the filter condition value is *maximum-specifiable-number-of-elements*.
KATS48411-E	The length of the filter condition is invalid. (entered number of bytes for the string in UTF-8: *entered-number- of-bytes-for-the-string-in-UTF-8*, specifiable number of bytes in UTF-8: from *minimum-number-of-bytes-for-the-specifiable-value* to *maximum-number-of-bytes-of-the-specifiable-value*)	*Cause* The number of characters after conversion for the filter condition exceeds the maximum number of characters. *Action* Specify the filter conditions within the maximum number of characters. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS48412-E	The filter condition is invalid. (column: *number-of-digits-in-which-an-invalid-status-was-found*)	*Cause* The value specified for the filter condition is invalid due to the number of digits. *Action* Check the contents of the filter condition.
KATS48413-E	The specified combination of filter condition properties is invalid.	*Cause* The volume filter condition and pool filter condition are intermixed. *Action* Check the contents of the filter conditions. Specify only one of the following filter conditions:

Message ID	Message Text	Description
		• Volume filter condition • Pool filter condition
KATS48414-E	The number of elements entered in the filter conditions exceeds the maximum. (property: *property*, number of entered elements: *number-of-specified-elements*, maximum number of elements: *max-allowable-number-of-elements*)	*Cause* The number of elements in the filter conditions exceeds the maximum allowable number of elements. *Action* The number of elements in the filter conditions must be no more than the maximum allowable number of elements. For details on the maximum allowable number of elements, see *GUI Help*.
KATS48415-E	With the specified operator, two or more elements cannot be entered into the filter conditions. (property: *property*, operator: *filter-condition-operator*)	*Cause* The specified operator does not allow the user to specify multiple elements in the filter condition. *Action* Specify only one element in the filter condition.
KATS48451-E	Information for identifying the storage domain has not been specified.	*Cause* There is no entry to identify the storage domain. *Action* Specify a storage domain.
KATS48456-E	When specifying the tier name, you also need to specify the storage domain.	*Cause* Only a storage tier name was specified without specifying a storage domain name. *Action* Specify a storage domain name.
KATS48457-E	When specifying the migration group, you also need to specify the storage domain.	*Cause* Only a migration group name was specified without specifying a storage domain name. *Action* Specify a storage domain name.
KATS48458-E	The definition of filter conditions for the storage tier is too complex. Specify the conditions using "And" for all conditions, or "Or" for all conditions.	*Cause* Both **And** and **Or** exist, or **Not** has been specified in the storage tier definition. *Action* Specify all elements by using **And**, or specify all elements by using **Or**.
KATS48459-E	The property value specified in the filter conditions is outside	*Cause*

Message ID	Message Text	Description
	the valid range. (*value-outside-the-server-reception-range-among-the-values-specified-for-filter-conditions*)	The property value specified for the filter condition is outside the valid range. *Action* Specify a correct property value.
KATS48460-E	The number of elements in the filter conditions is invalid. (entered number of conditions: *entered-number-of-conditions*, specifiable number of conditions: from *minimum-value-for-a-number-of-elements* to *maximum-value-for-a-number-of-elements*)	*Cause* The number of condition elements (a combination of a property name, operator, and value) in the filer condition is invalid. *Action* Enter the filter condition within the range for the number of condition elements.
KATS48461-E	The operator for the (*property-name-for-filter-conditions*) property has not been specified.	*Cause* An operator has not been specified for the property specified in the filter condition. *Action* Make sure that the operator is applicable for the specified property.
KATS48462-E	The property name has not been specified.	*Cause* A property name has not been specified for the filer condition. *Action* Make sure that the property name is a specifiable name.
KATS48463-E	The value for the (*property-name-for-filter-conditions*) property has not been specified.	*Cause* A value has not been specified for the property specified for the filer condition. *Action* Make sure that the value is in the specifiable range for the specified property.
KATS48464-E	The number of specified elements in the filter conditions exceeds the limit. (specified number of elements: "*specified-number-of-elements*, specifiable number of elements: from 1 to 30)	*Cause* The maximum number of elements that can be specified for a filter condition was exceeded. *Action* Specify a value from 1 to 30 for the number of elements specified in the filter condition.
KATS48465-E	The value for the filter condition contains a comma. (property : *property-name*, operator : *operator-name*)	*Cause* Multiple values have been specified for the filter conditions by using a comma to delimit the values. If startsWith or

Message ID	Message Text	Description
		contains is specified as the operator, multiple values cannot be specified for the filter conditions by using commas. *Action* Specify only one value for the filter conditions.
KATS48481-E	The format of the value specified for the cost is invalid. (specified cost value: *specified-cost-value*)	*Cause* The format of the value specified for the cost is invalid. *Action* Check the format of the value specified for the cost.
KATS48482-E	The format of the currency code specified for the cost is invalid. (specified currency code: *specified-currency-code*)	*Cause* The currency code specified for the cost is invalid. *Action* Specify a valid currency code for the cost. For the currency code, you can specify any three-letter currency code defined in ISO 4217 as of July 2009.
KATS48483-E	The format of the amount specified for the cost is invalid. (specified amount: *specified-amount*)	*Cause* The amount specified in the cost contains an invalid character or it is outside the valid range. *Action* Specify a valid amount for the cost. For the amount, you can specify an integer from 0 to 9,223,372,036,854,775,807.
KATS48484-E	The format of the capacity unit specified for the cost is invalid. (specified capacity unit: *specified-unit-of-capacity*)	*Cause* The unit of capacity specified for the cost is invalid. *Action* Specify a valid unit of capacity for the cost. For the unit of capacity, you can specify MB, GB, or TB.
KATS48485-E	The format of the interval specified for the cost is invalid. (specified interval: *specified-interval-unit*)	*Cause* The unit of period specified for the cost is invalid. *Action* Specify a valid unit of period for the cost. For the unit of period, you can specify Month or Year.
KATS48486-E	The format of the billing target (in [charge for]) specified for the cost is invalid. (specified	*Cause* The billing target specified for the cost is invalid.

Message ID	Message Text	Description
	billing target (in [charge for]): *specified-billing-target*)	*Action* Specify a valid billing target for the cost. For the billing target, you can specify the following values: For normal volumes subject to billing: Allocated or Utilized For DP volumes subject to billing: Allocated, Consumed, or Utilized
KATS48504-E	A FatalException occurred. (user name: *user-name*)	*Cause* A fatal exception occurred. *Action* See the message output immediately prior to this message, and then take corrective action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS48505-E	An exception occurred. (user name: *user-name*)	*Cause* An exception occurred. *Action* See the message output immediately prior to this message, and then take corrective action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS48506-E	A Problem occurred. (user name: *user-name*)	*Cause* A problem occurred. *Action* See the message output immediately prior to this message, and then take corrective action. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS48507-E	The GUI was blocked. (user name: *user-name*)	*Cause* A GUI-block exception occurred. *Action*

Message ID	Message Text	Description
		Make sure that Common Component is running, and then restart Tiered Storage Manager.
KATS48508-E	Completely blocked. (user name: *user-name*)	*Cause* A complete-block exception occurred. *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS48509-E	Memory is insufficient. (user name: *user-name*)	*Cause* The amount of free memory required to operate the server is insufficient. *Action* If this error occurs repeatedly, restart the server. If the error still occurs, stop any unnecessary processes on the server machine or increase the memory for the server machine.
KATS48510-E	An insufficient-memory error occurred in the server process of Tiered Storage Manager.	*Cause* The available memory required for server operations is insufficient. When an error occurs during a task-related operation The number of tasks or the number of volumes in the task might exceed the upper limit. When an error occurs during an operation other than a task-related operation Another logged-in user might be affected. *Action* Wait for a while, and then try the operation again. Restart the server if the error occurs repeatedly. If the error still occurs, stop any unnecessary processing on the server machine or increase the memory for the server machine. When an error occurs during the execution of the `GetTasks` or `DeleteTasks` command, decrease the tasks of processing objects according to the parameters, and then try the operation again.
KATS48998-E	The connected Tiered Storage Manager server is not a supported Tiered Storage Manager client. Action: Install	*Cause* - *Action*

Message ID	Message Text	Description
	a client of Tiered Storage Manager *version-name*.	-
KATS48999-E	The connected Tiered Storage Manager server is not a supported Tiered Storage Manager client. (server API version: *API-version-of-server*, client API version: *API-version-of-client*) Action: Install a client of Tiered Storage Manager *API-version-of-server*.	*Cause* An attempt was made to connect to the server by a Tiered Storage Manager client whose version is incompatible with the Tiered Storage Manager server version. *Action* Install a Tiered Storage Manager client version that corresponds to the Tiered Storage Manager server version.

KATS50000 - KATS59999

The following table describes messages KATS50000 to KATS59999, which are related to the Tiered Storage Manager server,

Table 2-28 KATS50000 - KATS59999 (messages related to the Tiered Storage Manager server)

Message ID	Message Text	Description
KATS50001-E	The storage domain to be operated does not exist.	*Cause* Another user might have deleted the storage domain. *Action* Make sure that the storage domain exists or retry the operation.
KATS50002-E	The migration group to be operated does not exist.	*Cause* Another user might have deleted the migration group. *Action* Make sure that a migration group exists, or retry the operation.
KATS50003-E	The storage tier to be operated does not exist.	*Cause* Another user might have deleted the storage tier. *Action* Make sure that a storage tier exists, or retry the operation.
KATS50005-E	The task to be operated does not exist. (task ID: *task-ID*)	*Cause* The specified task ID is invalid or another user might have deleted the task. *Action*

Message ID	Message Text	Description
		Specify the task ID correctly and then try again.
KATS50006-E	The storage subsystem to be operated does not exist. (model name: *model-name*, serial number: *serial-number*, logical DKC number: *logical-DKC-number*)	*Cause* The specified storage subsystem was not found in or has been deleted from Device Manager. If the specified storage subsystem has a logical DKC, the specified logical DKC might not exist. If the specified storage subsystem does not have a logical DKC, a null string is output to *logical-dkc-number*. *Action* Make sure that the storage subsystem exists in Device Manager or specify a correct logical DKC number. Alternatively, register a storage subsystem in Device Manager.
KATS50007-E	The migration group to be operated does not exist. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* The specified storage domain name or migration group name might be invalid, or another user might have deleted the migration group. *Action* Specify the correct storage domain name and migration group name, or simply retry the operation.
KATS50008-E	The storage tier to be operated does not exist. (storage domain name: *storage-domain-name*, storage tier name: storage tier name: *storage-tier-name*)	*Cause* The specified storage domain name or storage tier name might be invalid, or another user might have deleted the storage tier. *Action* Specify the correct storage domain name and storage tier name, or simply retry the operation.
KATS50009-E	The storage subsystem to be operated does not exist. (storage subsystem name: *storage-subsystem-name*, logical DKC number: *logical-DKC-number*)	*Cause* The specified storage subsystem was not found in or has been deleted from Device Manager. If the specified storage subsystem has a logical DKC, the specified logical DKC might not exist. If the specified storage subsystem does not have a logical DKC, a null string is output to *logical-dkc-number*. *Action*

Message ID	Message Text	Description
		Make sure that the storage subsystem exists in Device Manager or specify a correct logical DKC number. Alternatively, register the storage subsystem in Device Manager.
KATS50010-E	The storage domain to be operated does not exist. (storage domain name: *storage-domain-name*)	*Cause* The specified storage domain name is invalid, or another user has deleted the storage domain. *Action* Specify the correct storage domain name, or simply retry the operation.
KATS50011-E	You do not have access permission for the specified storage domain. (storage domain name: *storage-domain-name*)	*Cause* You cannot access the specified storage domain because you do not have the required access permissions. *Action* Log in as a user with access permissions for the specified storage domain, and then try again.
KATS50012-E	You do not have access permission for the specified migration group.	*Cause* You cannot access the specified migration group because you do not have the required access permissions. *Action* Log in as a user with access permissions for the specified migration group, and then try again.
KATS50013-E	You do not have access permission for the specified storage tier.	*Cause* You cannot access the specified storage tier because you do not have the required access permissions. *Action* Log in as a user with access permissions for the specified storage tier, and then try again.
KATS50014-E	You do not have access permission for the specified volume.	*Cause* You cannot access the specified volume because you do not have the required access permissions. *Action* Log in as a user with access permissions for the specified volume, and then try again.
KATS50015-E	You do not have access permission for the specified task. (task ID: *task-ID*)	*Cause* You cannot operate the specified task because you do not have the required access permissions.

Message ID	Message Text	Description
		Action Log in as a user with access permissions for the specified task, and then try again.
KATS50016-E	You do not have execution permission for the specified operation. (permission of executing user: *permission-of-executing-user*, executable permission: *executable-permission*)	*Cause* The operation cannot be performed because the user does not have access permissions for the specified operation. *Action* Log in as a user with access permissions for the specified operation, and then try again.
KATS50017-E	You do not have access permission for the specified migration group. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* You cannot operate the specified migration group because you do not have the required access permissions. *Action* Log in as a user with access permissions for the specified migration group, and then try again.
KATS50018-E	You do not have access permission for the specified storage tier. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* You cannot access the specified storage tier because you do not have the required access permissions. *Action* Log in as a user with access permissions for the specified storage tier, and then try again.
KATS50019-E	You do not have access permission for the specified volume. (storage domain name: *storage-domain-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* You cannot operate the storage domain because you do not have the required access permissions. *Action* Log in as a user with access permissions for the specified volume, and then try again.
KATS50020-E	You do not have access permission for the specified storage domain.	*Cause* The storage domain cannot be controlled because the user does not have access permissions for the specified storage domain. *Action* Log in as a user with access permissions to the specified storage domain, and then try again.
KATS50021-E	The storage subsystem cannot be uniquely identified because	*Cause*

Message ID	Message Text	Description
	the specified storage subsystem name exists more than once on Device Manager. (storage subsystem name: *storage-subsystem-name*)	There are multiple storage subsystems with the same name on Device Manager. *Action* Specify a storage subsystem using a condition other than the storage subsystem name.
KATS50022-E	The specified storage domain name already exists. (storage domain name: *storage-domain-name*)	*Cause* A storage domain with the specified name already exists. The same storage domain name cannot be specified in a single storage subsystem. *Action* Specify the correct storage domain name.
KATS50023-E	The specified storage tier name already exists. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* A storage tier with the specified name already exists. The same storage tier name cannot be specified in a single storage domain. *Action* Specify the correct storage domain name and storage tier name.
KATS50024-E	The specified migration group name already exists. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* A migration group with the specified name already exists. The same migration group name cannot be specified in a single storage domain. *Action* Specify the correct storage domain name and migration group name.
KATS50025-E	The specified volume already exists in the migration group. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, already registered controller LDEV number: *controller-LDEV-number*)	*Cause* An attempt was made to add a volume to the migration group where that volume already existed. *Action* Specify the correct storage domain name, migration group name, and controller logical device number, and then retry.
KATS50026-E	This storage domain cannot be created because a subsystem with the specified model name and serial number has already been registered as a storage domain. (specified model name of the subsystem for the domain controller: *model-*	*Cause* The storage domain cannot be created because the specified storage subsystem is already registered as the domain controller of the storage domain. *Action*

Message ID	Message Text	Description
	name, specified serial number of the subsystem for the domain controller: *serial-number*, specified logical DKC number of the subsystem for the domain controller: *logical-DKC-number*).	Specify the model name and serial number correctly, and then try again.
KATS50027-E	This storage domain name (after the change) already exists. (storage domain name before change: *storage-domain-name-before-change*, storage domain name after change: *storage-domain-name-after-change*)	*Cause* The renamed storage domain cannot be used because a storage domain with the same name already exists. *Action* Use a different storage domain name.
KATS50028-E	This storage domain cannot be created because a storage subsystem with the specified name has already been registered as a storage domain. (specified storage subsystem name of the subsystem for the domain controller: *storage-subsystem-name*, specified logical DKC number of the subsystem for the domain controller: *logical-DKC-number*)	*Cause* The storage subsystem name cannot be used, because the specified storage subsystem name is already registered as the domain controller of the storage domain. *Action* Use a different storage subsystem name.
KATS50029-E	The specified volume already exists in another migration group. (storage domain name: *storage-domain-name*, specified migration group name: *registered-migration-group-name*, already registered migration group name: *registered-migration-group-name*, already registered controller LDEV number: *registered-controller-LDEV-number*)	*Cause* An attempt was made to add an existing volume of another migration group to the specified migration group. *Action* Specify the correct storage domain name, migration group name, and controller logical device number.
KATS50030-E	The storage subsystem to be operated does not exist. (display model name: *display-model-name*#, serial number: *serial-number,* logical DKC number: *logical-DKC-number*)	#: If the display model name is unknown, Unknown is displayed. *Cause* The specified storage subsystem was not found in or has been deleted from Device Manager. *Action* Make sure that the storage subsystem exists in Device Manager.

Message ID	Message Text	Description
		Alternatively, register a storage subsystem in Device Manager.
KATS50031-E	The specified task is not in a state to execute the specified operation. (task ID: *task-ID*)	*Cause* Possible causes are as follows: • An attempt was made to delete an unfinished (waiting or running) task. • An attempt was made to execute or cancel a migration task that is not in the standby state. • An attempt was made to change the properties for a finished (success, failure, or cancellation) task. *Action* Check the task status, and then perform an operation if necessary.
KATS50032-E	The specified migration group cannot be executed because the task is being canceled. (task ID: *task-ID*)	*Cause* An attempt was made to execute a task that was being canceled. *Action* Wait a few minutes until cancellation of the task finishes. Then, check the task status, and re-execute the operation if necessary.
KATS50033-E	The specified migration task is already being processed for canceling. (task ID: *task-ID*)	*Cause* An attempt was made to cancel a task that was being canceled. *Action* Wait a few minutes until cancellation of the task finishes. Then, check the task status and make sure that cancellation has finished.
KATS50034-E	The storage domain cannot be created because a subsystem that has the specified display model name and serial number has already been registered as a storage domain. (specified display model name of the subsystem for the domain controller: *display-model-name*, specified serial number of the subsystem for the domain controller: *serial-number,* logical DKC number: *logical-DKC-number*)	*Cause* The specified storage subsystem is already registered as the domain controller of the storage domain. *Action* Specify the correct display model name and serial number, and then retry the operation.
KATS50035-E	The specified task cannot be stopped because the task is	*Cause*

Message ID	Message Text	Description
	being canceled. (task ID: *task-ID*)	An attempt was made to stop a task that was being canceled. *Action* Wait a few minutes until cancellation of the task finishes. Then, check the task status and make sure that cancellation has finished.
KATS50036-E	The cost cannot be set because one or more pool search conditions have been specified for the storage tier search conditions. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* The cost cannot be set because pool filter conditions are specified for the storage tier. *Action* If this message is displayed when you attempt to create a storage tier: Re-create the storage tier by specifying volume filter conditions or by not specifying the cost. If this message is displayed when you attempt to change a storage tier: Retry changing the storage tier by specifying volume filter conditions for the storage tier after the change or by not specifying the cost.
KATS50037-E	The search conditions cannot be changed to pool search conditions because the cost has already been set for the storage tier. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* Pool filter conditions cannot be specified for filter conditions because the cost is set for the storage tier. *Action* Retry changing the storage tier by specifying volume filter conditions for the storage tier after the change or by specifying the settings so that the cost will be deleted after the change.
KATS50039-E	A logical DKC number cannot be specified because the storage subsystem does not have a logical DKC. (storage subsystem name: *storage-subsystem-name*, display model name: *display-model-name*, serial number: *serial-number*, specified logical DKC number: *logical-DKC-number*)	*Cause* A logical DKC number was specified for the storage subsystem, which does not have a logical DKC. *Action* Retry the operation without specifying a logical DKC.
KATS50041-E	The relevant processing cannot be performed because the refresh ended abnormally. (storage domain name: *storage-domain-name*, error information when refresh was executing: *error-information*)	*Cause* An attempt to refresh the cache of a storage domain has failed. *Action* Use the storage domain information to determine the details of the cause of the abnormal termination, and then

Message ID	Message Text	Description
		perform a refresh again. This message includes message text, in an unchanged format, from when the refresh execution failed. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS50042-E	The relevant processing cannot be performed because a refresh is being performed. (storage domain name: *storage-domain-name*)	*Cause* The storage domain is being refreshed. *Action* Wait for the refresh to finish, and then try again.
KATS50043-E	The relevant processing cannot be performed because a refresh has not been performed. (storage domain name: *storage-domain-name*)	*Cause* Processing cannot be executed because the cache of a storage domain has not been refreshed. *Action* Perform a refresh.
KATS50044-E	The processing to update a storage domain cannot be executed now because one of the storage domains is currently being created, deleted, or modified. (executing user ID: *executing-user-ID*, execution start time: *execution-start-time*)	*Cause* An update operation for a storage domain was attempted while one of the storage domains was being created, deleted, or changed. *Action* After creation, deletion, or changing of the storage domain finishes, try again.
KATS50045-E	This storage domain is being deleted, or deleting this storage domain failed, so the refresh status was changed to the refresh failed status. (storage domain name: *storage-domain-name*)	*Cause* Possible causes are as follows: • An attempt to delete the storage domain has failed. • Another user is deleting this storage domain. *Action* Take the following action: • When an attempt to delete the storage domain has failed: See the message log for Tiered Storage Manager, remove the cause of the storage domain failure, and then delete or refresh the storage domain again. • When another user is deleting this storage domain:

Message ID	Message Text	Description
		Finish the delete the storage domain, and then execute the necessary operation again.
KATS50046-E	The relevant processing cannot be performed because the Device Manager refresh ended abnormally. (storage subsystem name: *storage-subsystem-name*)	*Cause* A Device Manager refresh failed for a storage subsystem. *Action* Refresh Device Manager. After refreshing is complete, try again.
KATS50047-E	The relevant processing cannot be performed because a Device Manager refresh is being performed. (storage subsystem name: *storage-subsystem-name*)	*Cause* Device Manager is currently refreshing a storage subsystem. *Action* Once refreshing by Device Manager is complete, try again. For SMI-S Enabled subsystems, Device Manager will refresh the information to be used by Tiered Storage Manager after a storage subsystem has been added or updated. Wait a while, and then retry the operation.
KATS50050-E	This storage tier cannot be deleted because an unfinished migration task is referencing the specified storage tier as a storage tier destination. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*, referenced task ID: *task-ID*)	*Cause* The storage tier that you attempted to delete cannot be deleted because it is the destination of a migration task that is waiting or running. *Action* After the migration task that is referencing the specified storage tier finishes, delete the storage tier. Alternatively, delete the migration task, and then delete the storage tier.
KATS50051-E	The property of the storage tier cannot be changed because an unfinished migration task is referencing this storage tier as a storage tier destination. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*, referenced task ID: *referenced-task-ID*)	*Cause* The storage tier property that you attempted to change cannot be changed because a migration task that is waiting or running is referencing the storage tier as the destination. *Action* After the migration task that is referencing the specified storage tier finishes, change the property of the storage tier. Alternatively, delete the migration task, and then change the property of the storage tier.
KATS50052-E	An unusable property has been specified in the storage tier filter conditions. (unusable property: *unusable-property*)	*Cause* An attempt was made to specify an invalid property as a filter condition for the storage tier.

Message ID	Message Text	Description
		Action Specify a valid property, and then try again.
KATS50053-E	The specified storage domain cannot be updated because an unfinished task is using it. (storage domain name: *storage-domain-name*, ID of the task using the storage domain: *task-ID*)	*Cause* The storage domain you attempted to update cannot be updated because it is being used by a task that is waiting or running. *Action* After the task finishes, update the storage domain.
KATS50054-E	The specified migration group cannot be updated because an unfinished task is using it. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, ID of the task using the migration group: *task-ID*)	*Cause* An attempt was made to update a migration group that was being used by an unfinished task. Multiple character strings might be displayed in *task-ID*. *Action* After the task finishes, update the migration group.
KATS50055-E	The specified storage domain cannot be updated because a migration task that is being created is using it. (storage domain name: *storage-domain-name*)	*Cause* An attempt was made to update a storage domain that was being used by a task that is being created. *Action* Wait a few minutes until creation of the task finishes. Then, check the task status, and re-execute the operation if necessary.
KATS50056-E	The specified migration group cannot be updated because a migration task that is being created is referencing it. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* An attempt was made to update a migration group that was being used by a task that was being created. *Action* Wait a few minutes until creation of the task finishes. Then, check the task status, and re-execute the operation if necessary.
KATS50057-E	This storage tier cannot be updated because a migration task that is being created is referencing the specified storage tier as a storage tier destination. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* The storage tier you attempted to update cannot be updated because it is being referenced as a destination by a task that is being created. *Action* Wait a few minutes until creation of the task finishes. Then, check the task status, and re-execute the operation if necessary.

Message ID	Message Text	Description
KATS50058-E	The specified migration group cannot be updated because an unfinished task is using it. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, ID of the task using the migration group: *ID-of-the-task-using-the-migration-group*)	*Cause* An attempt was made to update a migration group that was being used by an unfinished task. Multiple task IDs might be displayed in *ID-of-the-task-using-the-migration-group*. *Action* Wait a few minutes for the task to finish, check the status of the task, and then retry the operation as necessary.
KATS50061-E	A space character was specified at the beginning or end of the storage domain name. (invalid storage domain name=*storage-domain-name*)	*Cause* A space character cannot be used at the beginning or end of the storage domain name. *Action* Specify a storage domain name that does not begin or end with a space character.
KATS50062-E	The length of the entered storage domain name is invalid. (invalid storage domain name = *storage-domain-name*, entered length (number of bytes in UTF-8) = *number-of-bytes-converted-in-UTF-8*, specifiable length (number of bytes in UTF-8) = from 1 to *number-of-bytes-that-can-be-converted-in-UTF-8*)	*Cause* Either the length of the specified storage domain name exceeds the maximum allowed number of characters, or the storage domain name has not been entered. *Action* Enter the storage domain name within the maximum allowed number of characters. The valid length of a storage domain name is 1 or more characters, and up to 75 bytes when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS50063-E	The storage domain name contains an unusable character (*unusable-character*).	*Cause* The storage domain name contains an invalid character. *Action* Enter the storage domain name correctly. Specifiable characters for a storage domain name are: A to Z, a to z, and the following characters: - _ . @, single-byte spaces, and non-ASCII characters.

Message ID	Message Text	Description
KATS50064-E	A space character was specified at the beginning or end of the storage tier name. (invalid storage tier name=*storage-tier-name*)	*Cause* A space character cannot be used at the beginning or end of the storage tier name. *Action* Enter a storage tier name that does not begin or end with a space character.
KATS50065-E	The length of the entered storage tier name is invalid. (invalid storage tier name = *invalid-storage-tier-name*, entered length (number of bytes in UTF-8) = *number-of-bytes-converted-in-UTF-8*, specifiable length (number of bytes in UTF-8) = from 1 to *number-of-bytes-that-can-be-converted-in-UTF-8*)	*Cause* Either the length of the entered storage tier name exceeds the maximum allowed number of characters, or the storage tier name has not been entered. *Action* Enter the storage tier name correctly. The valid length of a storage domain name is 1 or more characters, and up to 75 bytes when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS50066-E	The storage tier name contains an unusable character (*unusable-character*).	*Cause* The specified storage tier name contains an invalid character. *Action* Enter the storage tier name correctly. Specifiable characters for a storage tier name are: A to Z, a to z, and the following characters: - _ . @, single-byte spaces, and non-ASCII characters.
KATS50067-E	A space character was specified at the beginning or end of the migration group name. (invalid migration group name = *migration-group-name*)	*Cause* A space character cannot be used at the beginning or end of the migration group name. *Action* Enter a migration group name that does not begin or end with a space character.
KATS50068-E	The length of the entered migration group name is invalid. (invalid migration group name = *invalid-migration-group-name*, entered length (number of bytes in UTF-8) = *number-of-bytes-*	*Cause* Either the length of the entered migration group name exceeds the maximum allowed number of characters, or the migration group name has not been entered.

Message ID	Message Text	Description
	converted-in-UTF-8, specifiable length (number of bytes in UTF-8) = from 1 to *number-of-bytes-that-can-be-converted-in-UTF-8*)	*Action* Enter the migration group name correctly. The valid length of a migration group is 1 or more characters, and up to 75 bytes when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS50069-E	The migration group name contains an unusable character (*unusable-character*).	*Cause* The migration group name contains an invalid character. *Action* Enter the migration group name correctly. Specifiable characters for a migration group name are: A to Z, a to z, and the following characters: - _ . @, single-byte spaces, and non-ASCII characters.
KATS50071-E	The specified storage subsystem cannot be specified as a domain controller. (model name: *model-name*, serial number: *serial-number*, reason: *reason*)	*Cause* The specified storage subsystem is incorrect. *Action* Refer to the reason *reason-not-specified-as-a-domain-controller*, and then take appropriate action. *reason-not-specified-as-a-domain-controller* contains the message text. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS50072-E	The specified storage subsystem cannot be specified as a domain controller. (storage subsystem name: *storage-subsystem-name*, reason not specified as a domain controller: *reason-not-specified-as-a-domain-controller*)	*Cause* The specified storage subsystem is incorrect. *Action* Refer to the reason: *reason-not-specified-as-a-domain-controller*, and then take appropriate action. *reason-not-specified-as-a-domain-controller* contains the message text. The language type for this part of the message is determined according to

Message ID	Message Text	Description
		the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS50073-E	The length of the entered description is invalid. (entered length (number of bytes in UTF-8) *number-of-bytes-converted-in-UTF-8*:, specifiable length (number of bytes in UTF-8) : from 0 to *number-of-bytes-that-can-be-converted-in-UTF-8*)	*Cause* Either the length of the entered description exceeds the maximum allowed number of characters, or the description has not been entered. *Action* Enter the description so that it does not exceed the maximum allowed number of characters. The valid length of a description is up to 255 bytes when converted to UTF-8. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8.
KATS50074-E	There is an invalid space character at the beginning or end. (property: *property*, value: *value*)	*Cause* A space character cannot be used at the beginning or end of the property name. *Action* Enter a property value that does not begin or end with a space character.
KATS50075-E	The length of an attribute value is invalid. (property: *property*, value: *value*)	*Cause* Either the length of the entered property value exceeds the maximum allowed number of characters, or the property value has not been entered. *Action* Shorten the property value. Alternatively, enter at least one character for the property value.
KATS50076-E	An attribute value contains an invalid character. (property: *property*, invalid character: *invalid-character*)	*Cause* A character that cannot be used for the property value has been entered. *Action* Delete the invalid character from the property value.
KATS50077-E	The specified storage subsystem cannot be specified as a domain controller. (display model name: *display-model-name*, serial number: *serial-number*, reason: *reason*)	*Cause* A storage subsystem that cannot be used as a domain controller has been specified. *Action*

Message ID	Message Text	Description
		See the *reason-why-the-storage-subsystem-cannot-be-specified-as-a-domain-controller*, and take the appropriate action. The message text is contained in the *reason-why-the-storage-subsystem-cannot-be-specified-as-a-domain-controller*. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS50080-E	The volume to be operated does not exist.	*Cause* Possible causes are as follows: • The specified volume does not exist. • Another user deleted the volume. • You do not have access permissions for the volume. *Action* Specify the correct device number, and then try again.
KATS50081-E	The volume to be operated does not exist. (storage domain name :*storage-domain-name*, controller LDEV number : *controller-LDEV-number*)	*Cause* Possible causes are as follows: • The specified volume does not exist. • Another user deleted the volume. • You do not have access permissions for the volume. *Action* Specify the correct device number, and then try again.
KATS50082-E	The volume that has been reserved for the migration cannot be added to the migration group. (storage domain name: *Storage-domain-name*, migration group name: *migration-group-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* This volume has already been reserved for migration. *Action* Specify a volume that is not reserved for migration.
KATS50083-E	The volume to be operated does not exist in the migration group to be operated.	*Cause* Possible causes are as follows: • The specified volume name is invalid. • Another user deleted the volume.

Message ID	Message Text	Description
		• You do not have access permissions for the volume. *Action* Specify the correct device number, and then try again.
KATS50084-E	The volume to be operated does not exist in the migration group to be operated. (storage domain name :*storage-domain-name*, migration group name :*migration-group-name*, controller LDEV number :*controller-LDEV-number*)	*Cause* Possible causes are as follows: • The specified volume name is invalid. • Another user deleted the volume. • You do not have access permissions for the volume. *Action* Specify the device number correctly, and then try again.
KATS50090-E	The storage domain properties cannot be changed because they are being changed by another user. (storage domain name: *storage-domain-name*)	*Cause* Another user is changing the properties for the specified storage domain. *Action* Check the latest storage domain information, and then change the properties for the storage domain.
KATS50091-E	The storage tier properties cannot be changed because they are being changed by another user. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* Another user is changing the properties for the specified storage tier. *Action* Check the latest storage tier information, and then change the properties for the storage tier.
KATS50092-E	The migration group properties cannot be changed because they are being changed by another user. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* Another user is changing the properties for the specified migration group. *Action* Check the latest migration group information, and then change the properties for the migration group.
KATS50093-E	The task properties cannot be changed because they are being changed by another user. (task ID: *task-ID*)	*Cause* Another user is changing the properties of the specified task. *Action* Check the latest task information, and then change the properties of the task.

Message ID	Message Text	Description
KATS50094-E	The specified migration-target pool does not exist. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*, logical device number of the source controller: *LDEV-number-of-the-source-controller*)	*Cause* The pool specified for the target does not exist. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. If this message is displayed when you attempt to execute a task: Cancel the task that you attempted to execute, and then re-create the task by specifying another pool for the target.
KATS50095-E	A migration cannot be performed because the status of the specified migration-target pool is not Normal. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*, pool status: *pool-status*)	*Cause* The status of the pool specified for the migration target is abnormal. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. Alternatively, change the status of the pool specified for the target to normal, refresh Tiered Storage Manager, and then re-create the task. If this message is displayed when you attempt to execute a task: Change the status of the pool specified for the target to normal, refresh Tiered Storage Manager, and then re-execute the task.
KATS50096-E	A migration that creates a volume cannot be performed because there is not enough free space in the specified migration-target pool. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	*Cause* There is insufficient free capacity in the pool specified for the migration target to create a volume that is the same size as the source volume. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. Alternatively, reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-create the task. If this message is displayed when you attempt to execute a task:

Message ID	Message Text	Description
		Reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-execute the task.
KATS50097-E	A migration that creates a volume cannot be performed because a pool threshold of the specified migration-target pool will be exceeded if a volume is created in the pool. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	*Cause* The volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the migration target, that pool's threshold value will be exceeded. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. Alternatively, reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-create the task. If this message is displayed when you attempt to execute a task: Reserve sufficient capacity in the pool, refresh Tiered Storage Manager, and then re-execute the task.
KATS50099-E	The pool to be operated does not exist. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	*Cause* The specified pool either does not exist or has been deleted by another user. *Action* Specify the correct pool ID, and then retry the operation.
KATS50100-I	The storage domain was created. (storage domain name :*storage-domain-name*, storage subsystem name :*storage-subsystem-name*, serial number : *serial-number*, specified logical DKC number of the subsystem for the domain controller: *logical-DKC-number*[#])	#: If the storage subsystem does not have a logical DKC, a null string is output to *logical-dkc-number*. *Cause* - *Action* -
KATS50101-I	The storage tier was created. (storage domain name : *storage-domain-name*, storage tier name : *storage-tier-name*)	*Cause* - *Action* -
KATS50102-I	The migration group was created. (storage domain name :*storage-domain-name*,	*Cause* - *Action*

Message ID	Message Text	Description
	migration group name : *migration-group-name*)	-
KATS50103-I	Volumes were added to the migration group. (storage domain name :*storage-domain-name*, migration group name :*migration-group-name*, number of added volumes :*number-of-added-volumes*)	*Cause* - *Action* -
KATS50104-I	The migration task was registered. (task ID :*task-ID*, storage domain name :*storage-domain-name*, migration group name :*migration-group-name*, target storage tier name :*target-storage-tier-name*)	*Cause* - *Action* -
KATS50105-I	Execution of the task will now start. (task ID :*task-ID*)	*Cause* - *Action* -
KATS50106-I	Execution of the task finished. (task ID :*task-ID*)	*Cause* - *Action* -
KATS50107-I	The volume was locked. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, controller LDEV number of the locked volume: *controller-LDEV-number-of-the-locked-volume*)	*Cause* - *Action* -
KATS50108-I	The lock on the volume was released. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, controller LDEV number of the lock-released volume: *controller-LDEV-number-of-the-lock-released-volume*)	*Cause* - *Action* -
KATS50109-I	The migration plan was created. (storage domain name :*storage-domain-name*, migration group name :*migration-group-name*)	*Cause* - *Action* -

Message ID	Message Text	Description
KATS50110-I	A refresh request was received. (storage domain name: *storage-domain-name*)	*Cause* - *Action* -
KATS50111-I	The refresh operation started. (storage domain name :*storage-domain-name*)	*Cause* - *Action* -
KATS50112-I	The refresh operation finished. (storage domain name :*storage-domain-name*)	*Cause* - *Action* -
KATS50113-I	A task execution request was received. (task ID :*task-ID*)	*Cause* - *Action* -
KATS50114-I	Resynchronization of the Repository of Common Component started.	*Cause* - *Action* -
KATS50115-I	Resynchronization of the Repository of Common Component finished.	*Cause* - *Action* -
KATS50116-I	The Device Manager refresh operation started. (storage domain name: *storage-domain-name*, serial number : *serial-number*)	*Cause* - *Action* -
KATS50117-I	The Device Manager refresh operation finished. (storage domain name: *storage-domain-name*, serial number: *serial-number*)	*Cause* - *Action* -
KATS50120-I	The storage domain properties were changed. (storage domain name before change :*storage-domain-name-before-change*, storage domain name after change :*storage-domain-name-after-change*)	*Cause* - *Action* -
KATS50121-I	The storage domain properties were changed. (storage domain name: *storage-domain-name*)	*Cause* -

Message ID	Message Text	Description
		Action -
KATS50122-I	The storage tier properties were changed. (storage domain name :*storage-domain-name*, storage tier name before change :*storage-tier-name-before-change*, storage tier name after change :*storage-tier-name-after-change*)	*Cause* - *Action* -
KATS50123-I	The storage tier properties were changed. (storage domain name :*storage-domain-name*, storage tier name :*storage-tier-name*)	*Cause* - *Action* -
KATS50124-I	The migration group properties were changed. (storage domain name :*storage-domain-name*, migration group name before change :*migration-group-name-before-change*, migration group name after change :*migration-group-name-after-change*)	*Cause* - *Action* -
KATS50125-I	The migration group properties were changed. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* - *Action* -
KATS50126-I	The task properties were changed. (task ID :*task-ID*, storage domain name :*storage-domain-name*)	*Cause* - *Action* -
KATS50127-I	Volumes were moved from migration group to another migration group.(storage domain name: *storage-domain-name*, migration group name source: *migration-group-name-source*, migration group name destination: *migration-group-name-destination*, number of movement volumes: *number-of-movement-volumes*, task ID: *task-ID*)	*Cause* - *Action* -
KATS50128-I	The shredding task was registered. (task ID: *task-ID*, storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* - *Action* -

Message ID	Message Text	Description
KATS50129-I	The locking task was registered. (task ID: *task-ID*, storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* - *Action* -
KATS50130-I	The unlocking task was registered. (task ID: *task-ID*, storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* - *Action* -
KATS50131-I	The volume creation task was registered. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*)	*Cause* - *Action* -
KATS50132-I	The external mapping task was registered. (task ID: *task-ID*, storage domain name: *storage-domain-name*, external storage subsystem name: *external-storage-subsystem-name*)	*Cause* - *Action* -
KATS50140-I	The storage domain was deleted. (storage domain name :*storage-domain-name*, storage subsystem name :*storage-subsystem-name*, serial number :*serial-number*, specified logical DKC number of the subsystem for the domain controller: *logical-DKC-number*[#])	*#*: If the storage subsystem does not have a logical DKC, a null string is output to *logical-dkc-number*. *Cause* - *Action* -
KATS50141-I	The storage tier was deleted. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* - *Action* -
KATS50142-I	The migration group was deleted. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* - *Action* -
KATS50143-I	Volumes were deleted from the migration group. (storage domain name :*storage-domain-name*, migration group name :*migration-group-name*, number of deleted volumes :*number-of-deleted-volumes*)	*Cause* - *Action* -
KATS50144-I	The task was deleted. (task ID :*task-ID*)	*Cause* -

Message ID	Message Text	Description
		Action -
KATS50145-I	The task was canceled. (task ID :*task-ID*)	*Cause* - *Action* -
KATS50146-I	The task was stopped. (task ID :*task-ID*)	*Cause* - *Action* -
KATS50147-I	A request to stop a task was received. (task ID: *task-ID*)	*Cause* - *Action* -
KATS50148-I	The task was forcibly canceled. (task ID: *task-ID*)	*Cause* - *Action* -
KATS50149-I	The task was forcibly stopped. (task ID: *task-ID*)	*Cause* - *Action* -
KATS50160-E	The property file does not exist. (property file name: *property-file-name*)	*Cause* The property file does not exist. *Action* Make sure that the displayed property file exists in the lib directory under the Tiered Storage Manager installation directory.
KATS50161-E	This property key is invalid. Reading of the property file will now stop. (property file name: *property-file-name*, property key: *invalid-property-key*)	*Cause* An invalid property key has been specified. *Action* Specify the correct property key in the property file.
KATS50162-E	A property value is invalid. Reading of the property file will now stop. (property file name: *property-file-name*, property key: *invalid-property-key*)	*Cause* The specified property value is invalid. *Action* Specify the correct property key in the property file.
KATS50163-E	A property key that must be specified has not been	*Cause*

Message ID	Message Text	Description
	specified. Reading of the property file will now stop. (property file name: *property-file-name*, property key: *invalid-property-key*)	The property key that must be specified has not been specified. *Action* Specify the correct property key in the displayed file.
KATS50164-E	An attempt to refresh the storage domain failed because Device Manager was refreshed while the storage domain was being refreshed by Tiered Storage Manager. Refresh the storage domain again. (storage domain name: *storage-domain-name*)	*Cause* Device Manager was refreshed while the storage domain was being refreshed by Tiered Storage Manager. *Action* Refresh the storage domain again.
KATS50200-E	An attempt to create the storage domain has failed.	*Cause* When this message (KATS50200-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50200-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that storage domains are sometimes created internally as part of another operation. *Action* When this message (KATS50200-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50200-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information

Message ID	Message Text	Description
		for Tiered Storage Manager, and then contact customer support.
KATS50201-E	An attempt to create the storage tier has failed.	*Cause* When this message (KATS50201-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50201-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that storage tiers are sometimes created internally as part of another operation. *Action* When this message (KATS50201-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50201-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50202-E	An attempt to create the migration group has failed.	*Cause* When this message (KATS50202-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50202-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, see that message. Note that migration groups are sometimes created internally as part of another operation. *Action* When this message (KATS50202-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50202-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50203-E	An attempt to add a volume to the migration group has failed.	*Cause* When this message (KATS50203-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50203-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that volumes are sometimes added to the migration group internally as part of another operation. *Action* When this message (KATS50203-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this

Message ID	Message Text	Description
		message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50203-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50204-E	An attempt to register the migration task has failed.	*Cause* When this message (KATS50204-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50204-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that migration tasks are sometimes registered internally as part of another operation. *Action* When this message (KATS50204-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50204-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem,

Message ID	Message Text	Description
		collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50206-E	An attempt to execute the task has failed. (task ID: *task-ID*)	*Cause* When this message (KATS50206-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50206-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that tasks are sometimes executed internally as part of another operation. *Action* When this message (KATS50206-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50206-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50207-E	An attempt to lock the volume has failed.	*Cause* When this message (KATS50207-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50207-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, see that message. Note that volumes are sometimes locked internally as part of another operation. *Action* When this message (KATS50207-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50207-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50208-E	An attempt to release the lock on the volume has failed.	*Cause* When this message (KATS50208-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50208-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the lock on a volume is sometimes released internally as part of another operation. *Action* When this message (KATS50208-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this

Message ID	Message Text	Description
		message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50208-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50209-E	An attempt to create the migration plan has failed.	*Cause* When this message (KATS50209-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50209-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that migration plans are sometimes created internally as part of another operation. *Action* When this message (KATS50209-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50209-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem,

Message ID	Message Text	Description
		collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50210-E	An attempt to receive a refresh request has failed.	*Cause* When this message (KATS50210-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50210-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that refresh requests are sometimes received internally as part of another operation. *Action* When this message (KATS50210-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50210-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50212-E	An attempt to execute the refresh operation has failed. (storage domain name: *storage-domain-name*)	*Cause* When this message (KATS50212-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50212-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, see that message. Note that refresh operations are sometimes performed internally as part of another operation. *Action* When this message (KATS50212-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50212-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50213-E	An attempt to request execution of the task has failed. (task ID: *task-ID*)	*Cause* When this message (KATS50213-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50213-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that requests for executing a task are sometimes performed internally as part of another operation. *Action* When this message (KATS50213-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this

Message ID	Message Text	Description
		message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50213-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50214-E	An attempt to resynchronize the Repository of Common Component has failed.	*Cause* When this message (KATS50214-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50214-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the repository of Common Component is sometimes resynchronized internally as part of another operation. *Action* When this message (KATS50214-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50214-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If

Message ID	Message Text	Description
		you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50216-E	The refresh status was changed to the refresh failure status because the storage domain was being refreshed when Tiered Storage Manager stopped.	*Cause* The target storage domain was being refreshed when Tiered Storage Manager stopped. *Action* Refresh the storage domain again.
KATS50217-W	The refresh status was changed to the refresh failure status because the storage domain was being refreshed when Tiered Storage Manager stopped. (storage domain name: *storage-domain-name*)	*Cause* The target storage domain was being refreshed when Tiered Storage Manager stopped. *Action* Refresh the storage domain again.
KATS50218-E	An attempt to change the task status has failed.	*Cause* When this message (KATS50218-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50218-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes acquired internally as part of another operation. *Action* When this message (KATS50218-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50218-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after

Message ID	Message Text	Description
		this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50219-E	An attempt to register the task has failed.	*Cause* When this message (KATS50219-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50219-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes acquired internally as part of another operation. *Action* When this message (KATS50219-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50219-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50220-E	An attempt to change the storage domain properties has failed.	*Cause* When this message (KATS50220-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message.

Message ID	Message Text	Description
		When this message (KATS50220-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes changed internally as part of another operation. *Action* When this message (KATS50220-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50220-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50221-E	An attempt to change the storage tier properties has failed.	*Cause* When this message (KATS50221-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50221-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes changed internally as part of another operation. *Action* When this message (KATS50221-E) is displayed in the message log:

Message ID	Message Text	Description
		Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50221-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50222-E	An attempt to change the migration group properties has failed.	*Cause* When this message (KATS50222-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50222-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes changed internally as part of another operation. *Action* When this message (KATS50222-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50222-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50223-E	An attempt to change the task properties has failed.	*Cause* When this message (KATS50223-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50223-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes changed internally as part of another operation. *Action* When this message (KATS50223-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50223-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50224-E	An attempt to register the shredding task has failed.	*Cause* When this message (KATS50224-E) is displayed in the message log:

Message ID	Message Text	Description
		See the message that has the same thread ID and was output immediately before this message. When this message (KATS50224-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that shredding tasks are sometimes registered internally as part of another operation. *Action* When this message (KATS50224-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50224-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50225-E	An attempt to register the locking task has failed.	*Cause* When this message (KATS50225-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50225-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that locking tasks are sometimes registered internally as part of another operation. *Action*

Message ID	Message Text	Description
		When this message (KATS50225-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50225-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50226-E	An attempt to register the unlocking task has failed.	*Cause* When this message (KATS50226-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50226-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that unlocking tasks are sometimes registered internally as part of another operation. *Action* When this message (KATS50226-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
		When this message (KATS50226-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50227-E	An attempt to register the volume creation task has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the Volume Creation task is sometimes registered internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS50228-E	An attempt to register the external mapping task has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the External Mapping task is sometimes registered internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50240-E	An attempt to delete the storage domain has failed.	*Cause* When this message (KATS50240-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50240-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message.

Message ID	Message Text	Description
		Note that storage domains are sometimes deleted internally as part of another operation. *Action* When this message (KATS50240-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50240-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50241-E	An attempt to delete the storage tier has failed.	*Cause* When this message (KATS50241-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50241-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that storage tiers are sometimes deleted internally as part of another operation. *Action* When this message (KATS50241-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect

Message ID	Message Text	Description
		the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50241-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50242-E	An attempt to delete the migration group has failed.	*Cause* When this message (KATS50242-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50242-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that migration groups are sometimes deleted internally as part of another operation. *Action* When this message (KATS50242-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50242-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information

Message ID	Message Text	Description
		for Tiered Storage Manager, and then contact customer support.
KATS50243-E	An attempt to delete a volume from the migration group has failed.	*Cause* When this message (KATS50243-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50243-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that volumes are sometimes deleted from the migration group internally as part of another operation. *Action* When this message (KATS50243-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50243-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50244-E	An attempt to delete the task has failed.	*Cause* When this message (KATS50244-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50244-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, see that message. Note that tasks are sometimes deleted internally as part of another operation. *Action* When this message (KATS50244-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50244-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50245-E	An attempt to cancel the task has failed.	*Cause* When this message (KATS50245-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50245-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that tasks are sometimes canceled internally as part of another operation. *Action* When this message (KATS50245-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you

Message ID	Message Text	Description
		still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50245-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50246-E	An attempt to stop the task has failed.	*Cause* When this message (KATS50246-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50246-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that tasks are sometimes stopped internally as part of another operation. *Action* When this message (KATS50246-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50246-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information

Message ID	Message Text	Description
		for Tiered Storage Manager, and then contact customer support.
KATS50260-E	An attempt to acquire the storage domain properties has failed.	*Cause* When this message (KATS50260-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50260-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes acquired internally as part of another operation. *Action* When this message (KATS50260-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50260-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50261-E	An attempt to acquire the storage tier properties has failed.	*Cause* When this message (KATS50261-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50261-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, see that message. Note that properties are sometimes acquired internally as part of another operation. *Action* When this message (KATS50261-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50261-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50262-E	An attempt to acquire the migration group properties has failed.	*Cause* When this message (KATS50262-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50262-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes acquired internally as part of another operation. *Action* When this message (KATS50262-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this

Message ID	Message Text	Description
		message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50262-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50263-E	An attempt to acquire the displayed volume information has failed.	*Cause* When this message (KATS50263-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50263-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that volume information is sometimes displayed internally as part of another operation. *Action* When this message (KATS50263-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50263-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem,

Message ID	Message Text	Description
		collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50264-E	An attempt to display pool information has failed.	*Cause* When this message (KATS50264-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50264-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that volume information is sometimes displayed internally as part of another operation. *Action* When this message (KATS50264-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50264-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50265-E	An attempt to acquire the task properties has failed.	*Cause* When this message (KATS50265-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50265-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, see that message. Note that properties are sometimes acquired internally as part of another operation. *Action* When this message (KATS50265-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50265-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50266-E	Acquisition of key store information failed.	*Cause* When this message (KATS50266-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50266-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that properties are sometimes acquired internally as part of another operation. *Action* When this message (KATS50266-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this

Message ID	Message Text	Description
		message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50266-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50267-E	The check of volume information failed.	*Cause* When this message (KATS50267-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50267-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. *Action* When this message (KATS50267-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50267-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS50268-E	Reception of a request to update operation-volume information has failed.	*Cause* When this message (KATS50268-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50268-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. *Action* When this message (KATS50268-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50268-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50280-E	An attempt to acquire the volume filter conditions has failed.	*Cause* When this message (KATS50280-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50280-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. The operation for acquiring volume filter conditions is an internal operation for obtaining a value in a drop-down

Message ID	Message Text	Description
		list that is displayed in windows such as a Web client volume search window. *Action* When this message (KATS50280-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50280-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50281-E	An attempt to acquire the number of volumes in the search results has failed.	*Cause* When this message (KATS50281-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50281-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the number of volumes in the search results is sometimes acquired internally as part of another operation. *Action* When this message (KATS50281-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you

Message ID	Message Text	Description
		still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50281-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50282-E	An attempt to acquire the refresh status has failed.	*Cause* When this message (KATS50282-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50282-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the refresh status is sometimes acquired internally as part of another operation. *Action* When this message (KATS50282-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50282-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information

Message ID	Message Text	Description
		for Tiered Storage Manager, and then contact customer support.
KATS50283-E	An attempt to acquire the domain controller has failed.	*Cause* When this message (KATS50283-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50283-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the domain controller is sometimes acquired internally as part of another operation. *Action* When this message (KATS50283-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50283-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50284-E	An attempt to acquire the storage tiers which can be specified as target storage tiers has failed, or the storage tiers which can be specified as target storage tiers cannot be acquired because the specified migration group is not in a state in which migration can be performed.	*Cause* When this message (KATS50284-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50284-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message was output before or after this message, see that message. The operation for acquiring storage tiers that can be specified as target storage tiers is an internal operation that obtains a list of storage tiers that can be migrated using the migration wizard of the Web client. *Action* When this message (KATS50284-E) is displayed in the message log: Take action according to the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50284-E) is displayed in the standard error output file or error window: If a message was output before or after this message, take the appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50285-E	An attempt to acquire the number of pools in the search results has failed.	*Cause* When this message (KATS50285-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS50285-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the number of volumes in the search results is sometimes acquired internally as part of another operation. *Action* When this message (KATS50285-E) is displayed in the message log:

Message ID	Message Text	Description
		Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50285-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50286-E	An attempt to acquire the storage subsystem has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the storage subsystem is sometimes acquired internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50287-E	An attempt to acquire the displayed free space information has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that array group information is sometimes displayed internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50288-E	An attempt to acquire the free space filter conditions has failed.	*Cause* When this message is displayed in the message log:

Message ID	Message Text	Description
		See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. The retrieval of free space filter conditions refers to the internal processing performed to retrieve the value of the drop-down list displayed in the GUI free space search window. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50289-E	An attempt to acquire the number of free spaces in the search results has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the amount of free space found in the search results is

Message ID	Message Text	Description
		sometimes acquired internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50290-E	An attempt to acquire the displayed external storage information has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that external storage information is sometimes displayed internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered

Message ID	Message Text	Description
		Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50291-E	An attempt to acquire the emulation type has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the emulation type is sometimes acquired internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information

Message ID	Message Text	Description
		for Tiered Storage Manager, and then contact customer support.
KATS50292-E	An attempt to acquire the path group has failed.	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. Note that the path group is sometimes acquired internally as part of another operation. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50293-E	An attempt to check on the state of the data base has failed.	*Cause* - *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this

Message ID	Message Text	Description
		message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. When a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50299-E	An error occurred in the task management processing or event detection processing that was executing in the background. After a fixed period, this processing will be re-executed automatically.	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. Retry is unnecessary when the "Retry" message appears in response.
KATS50301-E	The specified migration group has been set so that tasks cannot be created. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* The specified migration group has been set to a state in which tasks cannot be created. *Action* Change the attribute of the migration group to clear the state that disables task creation.
KATS50302-E	An unfinished (waiting or executing) task for the specified migration group already exists. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, task ID: *task-ID*)	*Cause* This migration group cannot be specified because a migration task that is waiting or running exists for the specified migration group. *Action* After the migration task finishes, specify the migration group.

Message ID	Message Text	Description
KATS50303-E	The program product *program-product-name* has not been installed in the storage subsystem set as the domain controller. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* Either the required program products are not installed in the storage subsystem that is to be used as a domain controller, or the license key is not entered. *Action* Install the required program products in the storage subsystem that is to be used as a domain controller, or enter the license key from storage navigator. The appropriate license key is the one that was obtained when Tiered Storage Manager was purchased. Then, refresh Device Manager first, and then refresh Tiered Storage Manager.
KATS50304-E	The task cannot be registered because a volume for which volume information cannot be acquired exists. (storage domain name: *storage-domain-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* Possible causes are as follows: • The volume registered in the migration group has been deleted using Device Manager or a similar product. • Device Manager could not acquire the volume data for a reason such as a failure that occurred during a refresh of Device Manager. *Action* If the volume is unneeded: Delete the volume from the migration group. If the volume is needed: Take the following action: 1. Check whether an error occurred during a refresh of Device Manager. If it did, remove the error. 2. Refresh Device Manager. 3. Make sure that the volume data exists in Device Manager. 4. Refresh Tiered Storage Manager.
KATS50305-E	All source volumes are specified as migration target volumes. (storage domain name: *storage domain name*, migration group name: *migration-group-name*)	*Cause* Migration is disabled for all volumes registered in the specified migration group. *Action* Specify one or more volumes to be migrated.
KATS50306-E	The following volume cannot be migrated because of storage	*Cause*

Message ID	Message Text	Description
	subsystem restrictions. (storage domain name :*storage-domain-name*, reason preventing migration :*reason-preventing-migration*, controller LDEV number :*controller-LDEV-number*)	There is a volume that cannot be migrated due to the restrictions of the storage subsystem. Reasons preventing migration are as follows: • TrueCopy Synchronous Status: A volume cannot be migrated because of the restrictions of TrueCopy Synchronous. • TrueCopy Asynchronous Status: A volume cannot be migrated because of the restrictions of TrueCopy Asynchronous. • Continuous Access XP Synchronous Status: A volume cannot be migrated because of the restrictions of Continuous Access XP Synchronous. • Continuous Access XP Asynchronous Status: A volume cannot be migrated because of the restrictions of Continuous Access XP Asynchronous. • ShadowImage Configuration [Root]: A volume cannot be migrated because of the restrictions of ShadowImage [Root]. • ShadowImage Configuration [Node]: A volume cannot be migrated because of the restrictions of ShadowImage [Node]. • ShadowImage Configuration [Leaf]: A volume cannot be migrated because of the restrictions of ShadowImage [Leaf]. • Business Copy XP Configuration [Root]: A volume cannot be migrated because of the restrictions of Business Copy XP Configuration [Root]. • Business Copy XP Configuration [Node]: A volume cannot be migrated because of the restrictions of Business Copy XP Configuration [Node]. • Business Copy XP Configuration [Leaf]: A volume cannot be migrated because of the restrictions of Business Copy XP Configuration [Leaf].

Message ID	Message Text	Description
		• Command Device: A volume cannot be migrated because it is a command device. • Cache Residency Manager: A volume cannot be migrated because of the restrictions of Cache Residency Manager. • Cache LUN XP: A volume cannot be migrated because of the restrictions of Cache LUN XP. • Copy-On-Write Snapshot: A volume cannot be migrated because of the restrictions of Copy-On-Write Snapshot. • Snapshot XP: A volume cannot be migrated because of the restrictions of Snapshot XP. • Thin Image: A volume cannot be migrated because of the restrictions of Thin Image. • Fast Snap: A volume cannot be migrated because of the restrictions of Fast Snap. • Universal Replicator: A volume cannot be migrated because of the restrictions of Universal Replicator. • Continuous Access XP Journal: A volume cannot be migrated because of the restrictions of Continuous Access XP Journal. • External Locked: A volume cannot be migrated because an external volume is locked. • Migration Reserved: A volume cannot be migrated because it has already been reserved for migration. • XRC: A volume cannot be migrated because an the restrictions of XRC. • Dynamic Provisioning: A volume cannot be migrated because an the restrictions of Dynamic Provisioning. • Thin Provisioning: A volume cannot be migrated because an the restrictions of Thin Provisioning. • FCoE Path : A volume cannot be migrated because an FCoE path is set.

Message ID	Message Text	Description
		• 3390-A : A volume cannot be migrated because the emulation type of the volume is 3390-A. • In-progress data migration that uses virtual IDs : A volume cannot be migrated because it is volumes in an in-progress data migration that uses virtual IDs. • Data migration that uses virtual IDs: A volume cannot be migrated because it belong to the resource group used for a data migration that uses virtual IDs. • global-active device: A volume cannot be migrated because of the restrictions of global-active device. • High Availability: A volume cannot be migrated because of the restrictions of High Availability. • GAD Reserved: A volume cannot be migrated because it has already been reserved for global-active device. • HA Reserved: A volume cannot be migrated because it has already been reserved for High Availability. • Quorum Disk: A volume cannot be migrated because it is a quorum disk. • NAS Platform (System LU): A volume cannot be migrated because it is a system volume for a NAS module. • External volume for which the Data Direct Mapping attribute is enabled: A volume cannot be migrated because it is an external volume enabled for Data Direct Mapping. Comma-separated list of controller LDEV numbers might be displayed in *controller-LDEV-number*. *Action* Change the settings of the storage subsystem so that the restrictions of the storage subsystem do not apply to the volume. Then, refresh Tiered Storage Manager. Alternatively, for the migration source volume, set the migration target volume for all the LDEVs made up of

Message ID	Message Text	Description
		LUs to which the migration restrictions apply.
KATS50307-E	The following volume cannot be used as a target volume because of storage subsystem restrictions. (storage domain name :*storage-domain-name*, reason preventing migration :*reason-preventing-migration*, controller LDEV number :*controller-LDEV-number*)	*Cause* There is a volume that cannot be used as a target volume due to the restrictions of the storage subsystem. Reasons preventing migration are as follows: • TrueCopy Synchronous (target): A volume cannot be migrated because of the restrictions of TrueCopy Synchronous. • TrueCopy Asynchronous (target): A volume cannot be migrated because of the restrictions of TrueCopy Asynchronous. • Continuous Access XP Synchronous (target): A volume cannot be migrated because of the restrictions of Continuous Access XP Synchronous. • Continuous Access XP Asynchronous (target): A volume cannot be migrated because of the restrictions of Continuous Access XP Asynchronous. • ShadowImage (target): A volume cannot be migrated because of the restrictions of ShadowImage. • Business Copy XP (target): A volume cannot be migrated because of the restrictions of Business Copy XP. • LUSE (target): A volume cannot be migrated because the volume is a LUSE volume. • Command Device: A volume cannot be migrated because it is a command device. • Cache Residency Manager: A volume cannot be migrated because of the restrictions of Cache Residency Manager. • Cache LUN XP: A volume cannot be migrated because of the restrictions of Cache LUN XP. • Path (target): A volume cannot be migrated because a path is set. • Locked (target): A volume cannot be migrated because the volume is locked.

Message ID	Message Text	Description
		• External Locked: A volume cannot be migrated because an external volume is locked. • Migration Reserved: A volume cannot be migrated because it has already been reserved for migration. • Copy-On-Write Snapshot: A volume cannot be migrated because of the restrictions of Copy-On-Write Snapshot. • Snapshot XP: A volume cannot be migrated because of the restrictions of Snapshot XP. • Thin Image: A volume cannot be migrated because of the restrictions of Thin Image. • Fast Snap: A volume cannot be migrated because of the restrictions of Fast Snap. • Universal Replicator: A volume cannot be migrated because of the restrictions of Universal Replicator. • Continuous Access XP Journal: A volume cannot be migrated because of the restrictions of Continuous Access XP Journal. • NAS (target): A volume cannot be migrated because it is a NAS system volume. • Migration Group (target): A volume cannot be migrated because it is already registered in the migration group. • SYSPLEXID/DEVN (target): A volume cannot be migrated because SYSPLEXID or DEVN has been set. • VOLSER (target): A volume cannot be migrated because VOLSER has been set. • Dynamic Provisioning: A volume cannot be migrated because of the restrictions of Dynamic Provisioning. • Thin Provisioning: A volume cannot be migrated because of the restrictions of Thin Provisioning. • 3390-A: A volume cannot be migrated because the emulation type of the volume is 3390-A.

Message ID	Message Text	Description
		• In-progress data migration that uses virtual IDs : A volume cannot be migrated because it is volumes in an in-progress data migration that uses virtual IDs. • Data migration that uses virtual IDs: A volume cannot be migrated because it belong to the resource group used for a data migration that uses virtual IDs. • global-active device: A volume cannot be migrated because of the restrictions of global-active device. • High Availability: A volume cannot be migrated because of the restrictions of High Availability. • GAD Reserved: A volume cannot be migrated because it has already been reserved for global-active device. • HA Reserved: A volume cannot be migrated because it has already been reserved for High Availability. • Quorum Disk: A volume cannot be migrated because it is a quorum disk. • NAS Platform (System LU): A volume cannot be migrated because it is a system volume for a NAS module. • External volume for which the Data Direct Mapping attribute is enabled: A volume cannot be migrated because it is an external volume enabled for Data Direct Mapping. Comma-separated list of controller LDEV numbers might be displayed in *controller-LDEV-number*. *Action* Take one of the following actions: • Change the settings of the storage subsystem so that the restrictions of the storage subsystem do not apply to the volume. Then, refresh Tiered Storage Manager. For details on migration restrictions, see the *Hitachi Command Suite User Guide*. • Specify a volume to which the migration restrictions do not apply.

Message ID	Message Text	Description
KATS50308-E	The following volume pair cannot be migrated because of storage subsystem restrictions. (storage domain name: *storage-domain-name*, reason preventing migration: *reason-preventing-migration*, controller LDEV number of the source volume and target volume: *controller-LDEV-number-of-the-source-volume-and-target-volume*)	*Cause* There is a volume that cannot be migrated due to the restrictions of the storage subsystem. The content indicated in reason preventing migration: *reason-preventing-migration* is one of the following: • CSV: When a volume cannot be migrated because the CSV type for the migration source differs from the CSV type for the migration destination. • Emulation: When a volume cannot be migrated because the emulation type for the migration source differs from the emulation type for the migration destination. • Size: When a volume cannot be migrated because the size of the migration source differs from the size of the migration destination. • T10 PI: When a volume cannot be migrated because the T10 PI option of the migration source differs from the T10 PI option of the migration destination. *Action* For the target volume, specify a volume to which the migration restrictions do not apply.
KATS50309-E	A source volume not contained in the migration plan exists. The target volume for all source volumes in the migration group must be specified. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, controller LDEV number of the source volume without a target volume specified: *controller-LDEV-number-of-the-source-volume-without-a-target-volume-specified*)	*Cause* There is a source volume that is not included in the migration plan. *Action* Specify a target volume for all volumes that are included in the migration group.
KATS50310-E	The migration of a source volume not contained in the migration group has been specified. (storage domain name: *storage-domain-name*, migration group name :*migration-group-name*,	*Cause* Migration of a volume that is not included in the migration group has been specified. *Action*

Message ID	Message Text	Description
	controller LDEV number :*controller-LDEV-number*)	Remove the volume that was not in the migration group from the source volume specification.
KATS50311-E	The target volume is not contained in the specified storage tier. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* The target volume is not included in the specified storage tier. *Action* Specify a volume contained in the specified storage tier as a target volume.
KATS50312-E	Migration cannot be performed because the target volume is not contained in the migration group. (storage domain name: *storage-domain-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* Migration cannot be performed because the target volume is in the migration group. *Action* Specify a different volume for the migration destination.
KATS50313-E	The same volume has been specified multiple times as the source volume. (storage domain name: *storage-domain-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* A volume has been specified more then once as a source volume. *Action* Specify the same volume only once.
KATS50314-E	The same volume has been specified multiple times as the target volume. (storage domain name: *storage-domain-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* The same volume has been specified for a target volume more than once. *Action* Specify the same target volume only once.
KATS50315-E	Data cannot be erased because the program product *program-product-name* has not been installed in the storage subsystem that will become the domain controller. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* Either the required program products are not installed in the storage subsystem that is to be used as a domain controller, or the license key is not entered. *Action* Install the required program products in the storage subsystem that is to be used as a domain controller, or enter the license key from storage navigator. Then, refresh Device Manager first, and then refresh Tiered Storage Manager.
KATS50316-E	Progress information for the following migration could not be acquired from the storage subsystem. (storage domain name: *storage-domain-name*,	*Cause* An attempt to refresh the task information might have failed due to an error such as a Tiered Storage Manager server error.

Message ID	Message Text	Description
	task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Action* Refresh Tiered Storage Manager and check the latest volume information. Then, perform migration again as necessary.
KATS50317-E	Migration cannot be performed because the target volume is being used by another migration task. (storage domain name: *storage-domain-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* The specified target volume cannot be used as a target volume because it is already being used by another migration task. *Action* Specify another volume as the target volume.
KATS50318-E	Migration for a volume that belongs to a different SLPR has been specified. To perform migration for a volume that belongs to a different SLPR, explicitly permit cross SLPR migration, and then generate the migration task. (storage domain name: *storage-domain-name*, controller LDEV number of the source volume and target volume: *controller-LDEV-number-of-the-source-volume-and-target-volume*)	*Cause* Migration has been specified for a volume that belongs to a different SLPR. *Action* Take one of the following actions: • If the Web client is being used, in the migration wizard, enable migration for a volume that belongs to a different SLPR. • If the CLI is being used, check **Yes** in the **permitCrossSLPRMigration** item in the migration plan.
KATS50319-E	Migration for a volume that belongs to a different CLPR has been specified. To perform migration for a volume that belongs to a different CLPR, explicitly permit cross CLPR migration, and then generate the migration task. (storage domain name: *storage-domain-name*, controller LDEV number of the source volume and target volume: *controller-LDEV-number-of-the-source-volume-and-target-volume*)	*Cause* Migration has been specified for a volume that belongs to a different CLPR. *Action* Take one of the following actions: • If the Web client is being used, in the migration wizard, enable migration for a volume that belongs to a different CLPR. • If the CLI is being used, check **Yes** in the **permitCrossCLPRMigration** item in the migration plan.
KATS50320-E	The specified migration group does not contain any volumes. (storage domain name : *storage-domain-name*, migration group name : *migration-group-name*)	*Cause* The specified migration group does not include any volumes. *Action*

Message ID	Message Text	Description
		Add a volume that you want to migrate, to the migration group.
KATS50321-E	An attempt to acquire the progress status for the migration has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. After the cause of the problem is resolved, the task information will be updated to the most recent state by periodic progress inquiries.
KATS50322-E	An attempt to start the migration has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, create a migration task and perform migration again. If a message is not output immediately before this message, create a migration task and perform migration again. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS50323-E	An attempt to start migration has failed. (controller LDEV number of the source volume : *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume : *controller-LDEV-number-of-the-target-volume*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that was output immediately before this message. If necessary, create a migration task and perform migration again. If a message is not

Message ID	Message Text	Description
		output immediately before this message, create a migration task and perform migration again. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS50324-E	Migration completed normally but processing to complete the task failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. Also, refer to *Troubleshooting* in the manual *Hitachi Command Suite User Guide*, and then do what is necessary to resolve the problem. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50325-E	Migration completed normally but processing to complete the task failed. (controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* See the message that was output immediately before this message. *Action* Take action in accordance with the message that was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. Also, refer to *Troubleshooting* in the manual *Hitachi Command Suite User Guide*, and then do what is necessary to resolve the problem. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50326-E	An attempt to release a reserved target volume after migration completed has failed. (storage domain name :	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action*

Message ID	Message Text	Description
	storage-domain-name, storage subsystem name : *storage-subsystem-name*, task ID : *task-ID*, controller LDEV number of the target volume : *controller-LDEV-number-of-the-target-volume*)	Take action in accordance with the message that has the same thread ID and was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. Also, refer to *Troubleshooting* in the manual *Hitachi Command Suite User Guide*, and then do what is necessary to resolve the problem. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50327-E	An attempt to release a reserved target volume after migration completed has failed. (controller LDEV number of the target volume : *controller-LDEV-number-of-the-target-volume*)	*Cause* See the message that was output immediately before this message. *Action* Take action in accordance with the message that was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. Also, refer to *Troubleshooting* in the manual *Hitachi Command Suite User Guide*, and then do what is necessary to resolve the problem. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50328-E	An attempt to acquire the progress status for data erasure has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. After the cause of the problem is resolved, the task information will be updated to the most recent state by periodic progress inquiries.

Message ID	Message Text	Description
KATS50329-E	An attempt to start data erasure has failed. (storage domain name : *storage-domain-name*, storage subsystem name : *storage-subsystem-name*, task ID: *task-ID*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, manually erase the data. If a message is not output immediately before this message, manually erase the data. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS50330-E	An attempt to start data erasure has failed.	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, manually erase the data. If a message is not output immediately before this message, manually erase the data. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS50331-E	The storage subsystem stopped the migration. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* The storage subsystem stopped the migration. *Action* Check the following: • Whether the access load from the host to the storage subsystem has become heavy. • Whether the configurations for the source and target volumes were changed.

Message ID	Message Text	Description
		If necessary, create a migration task and perform migration again. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS50332-E	The storage subsystem stopped the migration. (controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* The storage subsystem stopped the migration. *Action* Check the following: • Whether the access load from the host to the storage subsystem has become heavy. • Whether the configurations for the source and target volumes were changed. If necessary, create a migration task and perform migration again. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS50333-E	The storage subsystem stopped data erasure. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*)	*Cause* The volume might have been blocked. *Action* Check the volume state by using Storage Navigator. If necessary, format the volume. For details on Storage Navigator, see the *Storage Navigator User's Guide*.
KATS50334-E	The storage subsystem stopped data erasure.	*Cause* The volume might have been blocked. *Action* Check the volume state by using Storage Navigator. If necessary, format the volume. For details on Storage Navigator, see the *Storage Navigator User's Guide*.
KATS50335-E	An error occurred in the storage subsystem. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, error code 1: *error-code-1*, error code 2: *error-code-2*, internal info: *internal-info*)	*Cause* An error occurred during processing on the storage subsystem. *Action* See the description and action sections for the relevant error message in the chapter Chapter 5, Messages output by storage systems on page 5-1#. If you cannot find the appropriate *error-code-1* or *error-code-2*, see the manual *Storage Navigator Error Codes* for more information. In this manual,

Message ID	Message Text	Description
		error-code-1 is shown as *domain-code* and *error-code-2* is shown as *error-code*. After taking appropriate action for Device Manager, refresh Tiered Storage Manager for the storage subsystem where an error occurred, and then check the most recent status. The details of errors that occur when directly using Storage Navigator are shown in *internal-info*. Although this information is useful when referencing causes and action methods, there might be some situations where an action method included in *internal-info* is not applicable. If you want to contact customer support, collect the maintenance information for Tiered Storage Manager and Device Manager, as well as the error information on the storage subsystem side. When you collect the error information on the storage subsystem side, collect it as soon as possible after the error occurs. This message includes message text, in an unchanged format, from when the refresh execution failed. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side. #: For example, when error code 1 is 1 and error code 2 is 5132, if the description section indicates that The user ID of the same name is already logged in and the action section indicates to Log in using another user ID, the description and action sections are as follows: • Description: A user ID that has the same name as the user ID that is used by Device Manager to internally log in to a storage subsystem has already logged in. • Action: Change the user ID that is used by Device Manager to internally log in to a storage subsystem. This user ID is the same as the one specified when a

Message ID	Message Text	Description
		storage subsystem is added in Device Manager.
KATS50336-E	An error occurred in the storage subsystem. (error code 1: *error-code-1*, error code 2: *error-code-2*, internal info: *internal-info*)	*Cause* An error occurred during processing on the storage subsystem. *Action* See the action for the applicable error message in the chapter Chapter 5, Messages output by storage systems on page 5-1#. If you cannot find the appropriate *error-code-1* or *error-code-2*, see the manual *Storage Navigator Error Codes* for more information. In this manual, *error-code-1* is shown as *domain-code* and *error-code-2* is shown as *error-code*. After taking appropriate action for Device Manager, refresh Tiered Storage Manager for the storage subsystem where an error occurred, and then check the most recent status. The details of errors that occur when directly using Storage Navigator are shown in *internal-info*. Although this information is useful when referencing causes and action methods, there might be some situations where an action method included in *internal-info* is not applicable. If you want to contact customer support, collect the maintenance information for Tiered Storage Manager and Device Manager, as well as the error information on the storage subsystem side. When you collect the error information on the storage subsystem side, collect it as soon as possible after the error occurs. This message includes message text, in an unchanged format, from when the refresh execution failed. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side. #: For example, when error code 1 is 1 and error code 2 is 5132, if the

Message ID	Message Text	Description
		description section indicates that The user ID of the same name is already logged in and the action section indicates to Log in using another user ID, the description and action sections are as follows: • Description: A user ID that has the same name as the user ID that is used by Device Manager to internally log in to a storage subsystem has already logged in. • Action: Change the user ID that is used by Device Manager to internally log in to a storage subsystem. This user ID is the same as the one specified when a storage subsystem is added in Device Manager.
KATS50337-E	An error occurred in the storage subsystem. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, error code 1: *error-code-1*, error code 2: *error-code-2*)	*Cause* An error occurred during processing on the storage subsystem. If *error-code-1* cannot be specified in the message, "-1" will be set. *Action* See the action for the applicable error message in the chapter Chapter 5, Messages output by storage systems on page 5-1#. If you cannot find the appropriate *error-code-1* or *error-code-2*, see the manual *Storage Navigator Error Codes* for more information. In this manual, *error-code-1* is shown as *domain-code* and *error-code-2* is shown as *error-code*. After taking appropriate action for Device Manager, refresh Tiered Storage Manager for the storage subsystem where an error occurred, and then check the most recent status. If you want to contact customer support, collect the maintenance information for Tiered Storage Manager and Device Manager, as well as the error information on the storage subsystem side. When you collect the error information on the storage subsystem side, collect it as soon as possible after the error occurs. #: For example, when error code 1 is 1 and error code 2 is 5132, if the description section indicates that The

Message ID	Message Text	Description
		user ID of the same name is already logged in and the action section indicates to Log in using another user ID, the description and action sections are as follows: • Description: A user ID that has the same name as the user ID that is used by Device Manager to internally log in to a storage subsystem has already logged in. • Action: Change the user ID that is used by Device Manager to internally log in to a storage subsystem. This user ID is the same as the one specified when a storage subsystem is added in Device Manager.
KATS50338-E	An error occurred in the storage subsystem. (error code 1: *error-code-1*, error code 2: *error-code-2*)	*Cause* An error occurred during processing on the storage subsystem. If *error-code-1* cannot be specified in the message, "-1" will be set. *Action* See the action for the applicable error message in the chapter Chapter 5, Messages output by storage systems on page 5-1#. If you cannot find the appropriate *error-code-1* or *error-code-2*, see the manual *Storage Navigator Error Codes* for more information. In this manual, *error-code-1* is shown as *domain-code* and *error-code-2* is shown as *error-code*. After taking appropriate action for Device Manager, refresh Tiered Storage Manager for the storage subsystem where an error occurred, and then check the most recent status. If you want to contact customer support, collect the maintenance information for Tiered Storage Manager and Device Manager, as well as the error information on the storage subsystem side. When you collect the error information on the storage subsystem side, collect it as soon as possible after the error occurs. #: For example, when error code 1 is 1 and error code 2 is 5132, if the description section indicates that The user ID of the same name is already

Message ID	Message Text	Description
		logged in and the action section indicates to Log in using another user ID, the description and action sections are as follows: • Description: A user ID that has the same name as the user ID that is used by Device Manager to internally log in to a storage subsystem has already logged in. • Action: Change the user ID that is used by Device Manager to internally log in to a storage subsystem. This user ID is the same as the one specified when a storage subsystem is added in Device Manager.
KATS50339-E	A migration task that has an ended-in-failure status was created because a storage subsystem error occurred while a target volume was being reserved. Refresh the storage domain to update the volume reservation status. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*)	*Cause* See the error information for the created task. *Action* Take one or both of the following actions, as appropriate: • Take action in accordance with the error information for the created task. • The volume might still be reserved as a migration volume, so refresh Tiered Storage Manager.
KATS50340-E	Not all tasks were canceled. (task ID of failed to cancel : *task-ID*)	*Cause* See the error information for the task for which cancellation failed. *Action* Take one or more of the following actions, as appropriate: • See the detailed information for the task for which cancellation failed, and take action in accordance with the error information. • Check the task status. If the task is still in wait status, re-execute the operation as necessary. • The volume might still be reserved as a migration volume, so refresh Tiered Storage Manager.
KATS50341-E	The target LDEVs chosen for the migration of a LUSE volume does not meet a LUSE requirement. (storage domain name: *storage-domain-name*, controller LDEV number of the	*Cause* A target volume of the LUSE volume does not conform to the LUSE restrictions. *Action*

Message ID	Message Text	Description
	LUSE volume, pairs of controller LDEV numbers for each source volume and target volume, and the unsatisfied requirements: [*controller-LDEV-number-of-the-LUSE-volume* (*source-controller-device-number*, *target-controller-device-number*)] [*restrictions*]))	Make sure that the target volume of the LUSE volume satisfy the following conditions: • Internal volumes and external volumes do not co-exist. • External volume attributes (emulation type, IO suppression mode, cache mode, and CLPR) among the external volumes are identical. • It is not DP volume.
KATS50342-E	The specified migration group does not contain any migratable volumes. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* The specified migration group does not contain any migratable volumes. *Action* Add a migratable volume to the migration group.
KATS50345-E	Data was not erased because an error occurred while the migration task was being executed. Data of the migration source remains in the following volumes, so please shred these volumes. (controller LDEV number: *controller-LDEV-number*)	*Cause* An error occurred during execution of a migration task. Multiple character strings might be displayed in *controller-LDEV-number*. *Action* To correct the error, take action according to the message displayed together with this message. Migration source data remains on the volumes from which data has not been erased. Erase the volume data if necessary. The shredding function of Tiered Storage Manager is provided as a method for erasing volume data.
KATS50346-E	An attempt to create the volume has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, LDEV number of the source volume controller: *LDEV-number-of-the-source-volume-controller*, pool ID of the target pool: *pool-ID-of-the-target-pool*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* -
KATS50347-E	An attempt to create the volume has failed. (LDEV number of the source volume controller: *LDEV-number-of-the-source-volume-controller*, pool ID of the target pool: *pool-ID-of-the-target-pool*)	*Cause* See the message output immediately before this message. *Action* -

Message ID	Message Text	Description
KATS50348-E	The repository data of the specified volume in Tiered Storage Manager does not match the data in Device Manager. Refresh the storage domain, and then check the volume details. If a task has ended abnormally, create a new task if necessary, and then execute it. (storage domain name: *storage-domain-name*)	*Cause* The repository data of the specified volume in Tiered Storage Manager is inconsistent with the repository data in Device Manager. *Action* Refresh the storage domain, and then check the volume details. If a task ended abnormally, create and execute a new task if necessary.
KATS50349-E	An attempt to reserve a target volume following its creation has failed. Refresh the storage domain because this volume might remain reserved. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, LDEV number of the source volume controller: *LDEV-number-of-the-source-volume-controller*, LDEV number of the target volume controller: *LDEV-number-of-the-target-volume-controller*)	*Cause* See the message output immediately before this message. *Action* -
KATS50350-E	An attempt to reserve a target volume following its creation has failed. Refresh the storage domain because this volume might remain reserved. (LDEV number of the source volume controller: *LDEV-number-of-the-source-volume-controller*, LDEV number of the target volume controller: *LDEV-number-of-the-target-volume-controller*)	*Cause* See the message that was output immediately before this message. *Action* -
KATS50351-I	Processing to start releasing migration resources that were not released will now start. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* - *Action* -
KATS50352-I	Processing to start releasing migration resources that were not released has finished. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* - *Action* -

Message ID	Message Text	Description
KATS50353-E	Processing to start releasing migration resources that were not released has finished. Some resources could not be released, so processing to release those resources will be performed the next a refresh is performed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* The migration resource could not be released, because an unintended migration in the storage subsystem was being performed. *Action* Wait for a while, and then refresh Tiered Storage Manager again.
KATS50354-E	An unfinished task was changed to a failed-end state because the repository was restored. (task ID: *task-ID*)	*Cause* The repository has been restored. To avoid the possibility of executing the task based on old information, the unfinished status of the task was changed to the failed-end status. *Action* Check the current volume status. If a task must be executed, create and execute the task again.
KATS50355-E	The status was changed to failed-end because the repository was restored.	*Cause* The repository has been restored. To avoid the possibility of executing the task based on old information, the unfinished status of the task was changed to the failed-end status. *Action* Check the current volume status. If a task must be executed, create and execute the migration task again.
KATS50356-E	An error occurred while releasing migration resources that were not released. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* The migration resource could not be released because an error occurred in a storage subsystem. *Action* When this message (KATS50356-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS50356-E) is displayed in the standard error output file or error window:

Message ID	Message Text	Description
		If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50357-E	Locking or unlocking cannot be performed because the program product *program-product* has not been installed in the storage subsystem that will become the domain controller. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* Either the required program products are not installed in the storage subsystem that is to be used as a domain controller, or the license key was not entered. *Action* Install the required program products in the storage subsystem that is to be used as a domain controller, or enter the license key (obtained when Tiered Storage Manager was purchased) from Storage Navigator. Then, refresh Device Manager, and then refresh Tiered Storage Manager.
KATS50358-E	The repository data of the specified volume in Tiered Storage Manager is inconsistent with data in Device Manager. Refresh the storage domain, and check the volume details. When a task ends abnormally, if necessary create a new task and execute it. (storage domain name: *storage-domain-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* The repository information of Tiered Storage Manager and Device Manager of the specified volume is inconsistent. *Action* Refresh the storage domain, and then check the detailed information of the volume. If the task did not terminate as you intended it to do, create a task again, and then retry the operation, if necessary.
KATS50359-E	Migration cannot be performed because a target volume has violated the Array Group Avoidance rule of the migration group. In addition, if the "array group avoidance of migration group" is registered as a task, the array groups of the source volumes and the target volumes become the targets of the Array Group Avoidance rule. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, controller LDEV number:	*Cause* The migration target volume has violated the Array Group Avoidance rule of the migration group. Multiple character strings might be displayed in *controller-LDEV-number* and *array-group-avoidance-of-migration-group-name*. *Action* Specify a migration target volume that obeys the Array Group Avoidance rule of the migration group.

Message ID	Message Text	Description
	controller-LDEV-number, array group avoidance of migration group name: *array-group-avoidance-of-migration-group-name*)	
KATS50360-E	The task was forcibly canceled.	*Cause* - *Action* -
KATS50361-E	The task was forcibly stopped.	*Cause* - *Action* -
KATS50362-E	*maximum-number-of-Array-Group-Avoidance-of-migration-groups-that-can-be-specified +1* or more "Array Group Avoidance of migration groups" cannot be registered. (storage domain name: *storage-domain-name*, migration group name: *migration group-name*)	*Cause* The number of specified Array Group Avoidance of migration groups exceeds the upper limit. *Action* Specify the Array Group Avoidance of migration groups again, keeping the number within the limit, and then retry the operation.
KATS50363-E	The same migration group cannot be specified more than once in the "Array Group Avoidance of migration groups". (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, duplicated migration group names: *duplicated-Array-Group-Avoidance-of-migration-group-names*)	*Cause* The same migration group is specified more than once in the Array Group Avoidance of migration groups. Multiple character strings might be displayed in *duplicated-Array-Group-Avoidance-of-migration-group-names*. *Action* Correct the specification of the Array Group Avoidance of migration groups to remove the duplication, and then retry the operation.
KATS50364-E	A space character has been specified at the beginning or end of a migration group name specified in the "Array Group Avoidance of migration groups". (invalid migration group names = *invalid-migration-group-names*)	*Cause* A space character is specified at the beginning or end of a migration group name. *Action* Enter a migration group name that does not contain a space character at its beginning or end.
KATS50365-E	The length of a migration group name, specified in the "Array Group Avoidance of migration groups", is invalid. (invalid migration group name = *invalid-migration-group-name*,	*Cause* The number of characters entered in the migration group name exceeds the limit, or no migration group name is entered.

Message ID	Message Text	Description
	entered length (number of bytes in UTF-8) = *number-of-bytes-in-UTF-8*, specifiable length (number of bytes in UTF-8) = from 1 to *number-of-bytes-convertable-in-UTF-8*)	*Action* Enter a migration group name containing 1 to the maximum number of characters allowed. Note that an ASCII character is 1 byte when converted to UTF-8, and a non-ASCII character is 1 to 3 bytes when converted to UTF-8 (for example, a kanji character and a katakana character will be 3 bytes).
KATS50366-E	A migration group name, specified in the "Array Group Avoidance of migration groups", contains an unusable character (*an-unusable-character*).	*Cause* The migration group name contains an usable character. *Action* Enter the migration group name with the unusable character removed.
KATS50367-E	A migration group, specified in the "Array Group Avoidance of migration groups", does not exist. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, names of Array Group Avoidance of migration groups: *Array-Group-Avoidance-of-migration-group-names*)	*Cause* Possible causes are as follows: • The specified migration group does not exist. • The user-specified storage domain name or migration group contains an error. • Another user has deleted the migration group. Multiple character strings might be displayed in *Array-Group-Avoidance-of-migration-group-names*. *Action* Specify the correct storage domain name and migration group name, and then retry the operation. Alternatively, simply retry the operation.
KATS50368-E	The migration group cannot be updated because an unfinished task is still using a migration group specified in the "Array Group Avoidance of migration groups". (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, name of Array Group Avoidance of migration group and task ID: *name-of-Array-Group-Avoidance-of-migration-group-and-task-ID*)	*Cause* An attempt was made to update a migration group that was being used by an unfinished task. Multiple character strings might be displayed in *name-of-Array-Group-Avoidance-of-migration-group-and-task ID*. *Action* Check the task status, and retry the operation if necessary.
KATS50369-E	The migration group cannot be updated because a migration group, specified in the "Array Group Avoidance of migration	*Cause* The migration group specified in the Array Group Avoidance of migration

Message ID	Message Text	Description
	groups", has been specified as the target migration group of an unfinished task. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, name of Array Group Avoidance of migration group and task ID: *name-of-Array-Group-Avoidance-of-migration-group-and-task ID*)	groups is also specified as the target migration group of an unfinished task. Multiple character strings might be displayed in *name-of-Array-Group-Avoidance-of-migration-group-and-task ID*. *Action* Terminate the unfinished task for the migration group specified in the Array Group Avoidance of migration groups.
KATS50370-E	The "Array Group Avoidance of migration groups" already have *maximum-number-of-specifiable-Array-Group-Avoidance-of-migration-groups* targets to be avoided. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, names of Array Group Avoidance of migration groups: *names-of-Array-Group-Avoidance-of-migration-groups*)	*Cause* The number of migration groups specified in the Array Group Avoidance of migration groups exceeds the upper limit. Multiple character strings might be displayed in *names-of-Array-Group-Avoidance-of-migration-groups*. *Action* Specify the Array Group Avoidance of migration groups again, keeping the number within the limit, and then retry the operation.
KATS50371-E	The migration group cannot be updated because the migration group to which the specified volume belongs is still being used by an unfinished task. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, migration group name to which the volume belongs, controller LDEV number and task ID: *migration-group-name-to-which-the-volume-belongs-controller-LDEV-number-and-task-ID*)	*Cause* An attempt was made to update a migration group that was being used by an unfinished task. Multiple character strings might be displayed in *migration-group-name-to-which-the-volume-belongs, controller-LDEV-number-and-task-ID*. *Action* Check the task status, and retry the operation if necessary.
KATS50372-E	The migration group cannot be updated because the migration group to which the specified volume belongs has been specified as the target migration group of an unfinished task. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, migration group name to which the volume belongs, controller LDEV number and task ID: *migration-group-name-to-*	*Cause* The migration group to which the specified volume belongs is specified as the target migration group of an unfinished task. Multiple character strings might be displayed in *migration-group-name-to-which-the-volume-belongs, controller-LDEV-number-and-task-ID*. *Action* Terminate the unfinished task for the migration group to which the specified volume belongs.

Message ID	Message Text	Description
	which-the-volume-belongs-controller-LDEV-number-and-task-ID)	
KATS50373-E	A migration group itself cannot be specified in its "Array Group Avoidance of migration groups". (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* The Array Group Avoidance of migration group itself is specified in the Array Group Avoidance of migration groups. *Action* Correctly specify the Array Group Avoidance of migration groups for the migration group.
KATS50374-E	Migration cannot be performed because the target volume of the TrueCopy or Universal Replicator source volume is not an internal volume. Specify the internal volume as the target volume of the TrueCopy or Universal Replicator source volume. (storage domain name: *storage-domain-name*, controller LDEV number of the source volume and target volume: *controller-LDEV-number-of-the-source-volume-and-target-volume*)	*Cause* A volume that is not an internal volume is specified as the migration target volume of the migration source volume for TrueCopy or Universal Replicator. Multiple controller logical device numbers for the source volume and target volume might be indicated in *controller-LDEV-number-of-the-source-volume-and-target-volume*. *Action* Specify an interval volume for the migration target volume of the migration source volume for TrueCopy or Universal Replicator.
KATS50375-E	Not all tasks could be forcibly canceled. (ID of tasks that failed to be canceled: *task-ID*)	*Cause* Check the error information about the tasks that could not be canceled forcibly. Multiple character strings might be displayed in *task-ID*. *Action* Check the detailed information about the tasks that could not be canceled forcibly, and then take action according to the error information. Also check the task status. If the task is waiting, retry the operation as required.
KATS50376-E	The migration group cannot be updated because a migration task that is being created references a migration group specified in the "Array Group Avoidance of migration groups". (storage domain name: *storage-domain-name*, migration group name:	*Cause* An attempt was made to update a migration group that was being used by a task that was being created. Multiple character strings might be displayed in *name-of-Array-Group-Avoidance-of-migration-group*. *Action*

Message ID	Message Text	Description
	migration-group-name, name of Array Group Avoidance of migration group: *name-of-Array-Group-Avoidance-of-migration-group*)	Wait for several minutes for the task to end, check the task status, and then retry the operation as required.
KATS50377-E	The migration group cannot be updated because a migration task that is being created references a migration group to which the specified volume belongs. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, migration group name referenced by the task being created: *migration-group-name-referenced-by-the-task-being-created*)	*Cause* An attempt was made to update a migration group being used by a task that was being created. Multiple character strings might be indicated in *migration-group-name-referenced-by-the-task-being-created*. *Action* Wait several minutes for the task to end, check the task status, and then retry the operation as required.
KATS50378-E	The same migration group cannot be specified more than once in the "Array Group Avoidance of migration groups". (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* The same migration group is specified more than once in the Array Group Avoidance of migration groups. *Action* Correct the specification of the Array Group Avoidance of migration groups to remove the duplication, and then retry the operation.
KATS50379-E	A migration group, specified in the "Array Group Avoidance of migration groups", does not exist. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* Possible causes are as follows: • The specified migration group does not exist. • The user-specified storage domain name or migration group name contains an error. • Another user has deleted the migration group. *Action* Correctly specify the storage domain name and migration group name, and then retry the operation. Alternatively, simply retry the operation.
KATS50380-E	The Tiered Storage Manager repository data is inconsistent with storage subsystem data, because the configuration of the storage subsystem changed during execution of the task. Refresh Device Manager, and then refresh the storage domain. Afterwards, check the volume details.	*Cause* The configuration of the storage subsystem changed during the execution of the task. *Action* Refresh Device Manager, refresh the storage domain, and then check the detailed information for the volume. If

Message ID	Message Text	Description
	When a task ends abnormally, if necessary, create a new task and execute it. (storage domain name: *storage-domain-name*)	the task has not ended as you expected, re-create the task, and then execute it.
KATS50381-E	A volume from which volume information cannot be acquired cannot be added to the migration group. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* Possible causes are as follows: • Device Manager or a similar program deleted a volume that was registered in the migration group. • When Device Manager was refreshed, Device Manager could not acquire information for the volume due to an error. *Action* When the volume is unnecessary: Delete the volume from the migration group. When the volume is necessary: Perform the following procedure: 1. Check whether an error occurred when Device Manager was refreshed. If an error occurred, correct it. 2. Refresh Device Manager. 3. Make sure that the volume information exists in Device Manager. 4. Refresh Tiered Storage Manager.
KATS50382-E	During the task progress update from *time-when-the-error-first-occurred* to *time-when-the-error-last-occurred*, *n* errors occurred. The task progress update will run again, but if the errors remain, remove them by using the information in the error message. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, error message: (*error-message-details*))	*Cause* An error occurred during the task progress update. *Action* See the action section for the relevant message in this manual. This message includes the actual message text generated by the error, which occurred during the task progress update. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS50383-W	During the task progress update from *time-when-the-error-first-occurred* to *time-*	*Cause*

Message ID	Message Text	Description
	when-the-error-last-occurred, *n* errors occurred, but they have been resolved. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, error message: (*error-message-details*))	An error occurred during the task progress update, but the error has been resolved. *Action* No action is required. This message includes the actual message text generated by the error, which occurred during the task progress update. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS50384-E	An attempt to immediately stop the migration has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, LDEV number of the source volume controller: *LDEV-number-of-the-source-volume-controller*, LDEV number of the target volume controller: *LDEV-number-of-the-target-volume-controller*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Perform the action displayed in the message with the same thread ID that was output immediately before this message. If necessary, create and execute the migration task again. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If this error occurred while executing a task, see the troubleshooting examples in the manual *Hitachi Command Suite User Guide*.
KATS50385-E	An attempt to immediately stop the migration has failed. (LDEV number of the source volume controller: *LDEV-number-of-the-source-volume-controller*, LDEV number of the target volume controller: *LDEV-number-of-the-target-volume-controller*)	*Cause* See the message output immediately before this message. *Action* Perform the action in the message output immediately before this message. If necessary, create and execute the migration task again. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If this error occurred while executing a task, see the

Message ID	Message Text	Description
		troubleshooting examples in the manual *Hitachi Command Suite User Guide*.
KATS50386-E	An attempt to delete the volume has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, LDEV number: *LDEV-number*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Perform the action in the message output immediately before this message. If necessary, refresh the storage subsystem by using Tiered Storage Manager and Device Manager, create a task again, and then execute it. In this case, pools might have been deallocated from volumes. Remove such volumes by using the Device Manager client.
KATS50387-E	An attempt to delete the volume has failed. (controller LDEV number : *controller-LDEV-number*)	*Cause* See the message output immediately before this message. *Action* Perform the action in the message output immediately before this message. If necessary, refresh the storage subsystem by using Tiered Storage Manager and Device Manager, create a task again, and then execute it. In this case, pools might have been deallocated from volumes. Remove such volumes by using the Device Manager client.
KATS50388-E	An individual virtual volume cannot be deleted because the program product *program-product-name* has not been installed in the storage subsystem set as the domain controller. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, controller LDEV number: *controller-LDEV-number*)	*Cause* Either the program product has not been installed in the storage subsystem set as the domain controller, or the license key has not been entered. *Action* Depending on the cause, either install the program product in the storage subsystem set as the domain controller, or enter the license key from the storage navigator. Next, refresh Device Manager, and then refresh Tiered Storage Manager.
KATS50389-E	Due to storage subsystem limitations, a migration cannot be performed that creates a volume in a pool. (storage domain name: *storage-domain-name*, reason	*Cause* A volume cannot be migrated due to the restrictions of the storage subsystem. *Action*

Message ID	Message Text	Description
	migration cannot be performed: *reason-this-migration-is-prevented*, grouping of logical device numbers of the source volume controller and target pool IDs: *LDEV-number-of-the-source-volume-and-target-pool-ID*)	If the reason why this migration is prevented is Emulation: Specify a pool that is not subject to migration restrictions as the target pool. If the reason why this migration is prevented is LUSE: Do not specify a pool as the migration target for the relevant volume.
KATS50390-E	Migration for a pool that belongs to a different SLPR has been specified. To perform migration for such a pool, explicitly permit cross-SLPR migration, and then create the migration task. (storage domain name: *storage-domain-name*, source volume and target pool ID number: *source-volume-and-target-pool-ID-number*)	*Cause* Migration for a volume that belongs to a different SLPR has been specified. *Action* The method for permitting the migration of a volume that belongs to a different SLPR is as follows: • When using the GUI, use the migration wizard to permit the migration of a volume that belongs to a different SLPR. • When using the CLI, set permitCrossSlprMigration in the migration plan to Yes.
KATS50391-E	A migration between the same pools is not possible due to storage subsystem restrictions. (storage domain name: *storage-domain-name*, controller LDEV number of the source volume and target volume: *controller-LDEV-number-of-the-source-volume-and-target-volume*)	*Cause* Migration for volumes within the same pool has been specified. *Action* Specify a target volume that is assigned to a different pool than that of the source volume.
KATS50392-E	A migration between the same pools is not possible due to storage subsystem restrictions. (storage domain name: *storage-domain-name*, LDEV number of the source volume and target pool ID: *LDEV-number-of-the-source-volume-and-target-pool-ID*)	*Cause* Migration for volumes within the same pool has been specified. *Action* Specify a target pool that is different than that of the source volume.
KATS50393-E	An attempt to cancel the reservation of a target volume to be resized to match a source volume has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume:	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. Next, refresh the

Message ID	Message Text	Description
	controller-LDEV-number-for-the-source-volume, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50394-E	An attempt to cancel the reservation of a target volume to be resized to match a source volume has failed. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* See the message that was output immediately before this message. *Action* Take action in accordance with the message that was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50395-E	Volume deletion failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50396-E	Volume deletion failed. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* See the message that was output immediately before this message. *Action* Take action in accordance with the message that was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS50397-E	Volume creation failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50398-E	Volume creation failed. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* See the message that was output immediately before this message. *Action* Take action in accordance with the message that was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50399-E	Volume information could not be set for the created target volume. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*, information type: *information-type*, value: *value*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50400-E	Volume information could not be set for the created target volume. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller	*Cause* See the message that was output immediately before this message. *Action*

Message ID	Message Text	Description
	LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*, information type: *information-type*, value: *value*)	Take action in accordance with the message that was output immediately before this message. Next, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50401-E	This storage subsystem is not a domain controller.	*Cause* This storage subsystem is not a domain controller. *Action* Specify a storage subsystem that can be specified as a domain controller. For details on domain control storage subsystems that can be specified as a domain controller, see the *Hitachi Command Suite Administrator Guide*.
KATS50402-E	This domain controller is managed by an administrator with SLPR Administrator authorities.	*Cause* This domain controller is managed by SLPR operations with SLPR Administrator permissions. *Action* Manage the domain controller with full Administrator permissions. For details on SLPR Administrator permissions, see the *Hitachi Command Suite User Guide*.
KATS50403-E	One or more unfinished tasks failed because the repository was upgraded. (task IDs = *"taskID1", "taskID2", ... "taskIDn"*)	*Cause* The repository was upgraded. The unfinished tasks failed because their type is not supported in this version. *Action* -
KATS50404-E	The task failed because the repository was upgraded.	*Cause* The repository was upgraded. The unfinished tasks failed because their type is not supported in this version. *Action* -
KATS50405-E	Specified tasks cannot be executed because their type is not supported in this version. (task IDs = *"taskID1", "taskID2", ... "taskIDn"*)	*Cause* An attempt was made to execute tasks whose type is not supported in this version. *Action* -

Message ID	Message Text	Description
KATS50411-E	The specified storage domain cannot be refreshed because an attribute of the domain controller has been changed. (storage domain name: *storage-domain-name*, reason: *reason*)	*Cause* The specified storage domain cannot be refreshed because the attribute for the domain controller has been changed. *Action* See the reason why the specified storage domain cannot be refreshed, and remove the cause of the problem. Then, perform the refresh again. This message includes message text, in an unchanged format, from when the domain controller attribute was changed. The language type for this part of the message is determined according to the locale of the machine where the Tiered Storage Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS50421-E	The specified volumes include a volume for which storage cannot be allocated. (storage domain name: *storage-domain-name*, controller LDEV number for the volume: *controller-LDEV-number-for-the-volume*)	*Cause* At least one of the following volumes for which storage cannot be allocated is included: • Mainframe volume • DP pool volume • Copy-On-Write Snapshot pool volume • Universal Replicator journal volume • Migration reserved volume • OnDemand volume • Volume specified for the system disk • Volume being used for an incomplete task *Action* Check the volume status, and then retry the processing.
KATS50422-E	The specified volumes include a volume from which storage cannot be deallocated. (storage domain name: *storage-domain-name*, controller LDEV number for the volume: *controller-LDEV-number-for-the-volume*)	*Cause* The following type of volume from which storage cannot be deallocated is included: • Volume being used for an incomplete task *Action* Check the volume status, and then retry the processing.

Message ID	Message Text	Description
KATS50431-E	The specified free space does not exist. (storage subsystem name: *storage-subsystem-name*, free space: *array-group-name*/*free-space-number*)	*Cause* Device Manager is in the process of reconfiguring, which could have prevented the acquisition of the specified free space information. Otherwise, the array group with the specified free space might have been deleted. *Action* Search through the free space and check the status of the free space.
KATS50432-E	Volume creation is not possible because the specified capacity of the selected free space is insufficient. (storage subsystem name: *storage-subsystem-name*, free space: *array-group-name*/*free-space-number*)	*Cause* The specified free space is not sufficient enough to create the volume. Volumes might have been created by other tasks. *Action* Search through the free space and check the status of the free space.
KATS50441-E	The specified volume does not exist. (storage subsystem name: *storage-subsystem-name*, volume ID: *volume-ID*)	*Cause* Device Manager is in the process of reconfiguring, which could have prevented the acquisition of the specified volume information. Otherwise, the specified volume might have already been deleted. *Action* Search through the volume and check the status of the volume.
KATS50442-E	The specified volume cannot be externally mapped because it has already been externally mapped. (storage subsystem name: *storage-subsystem-name*, volume ID: *volume-ID*)	*Cause* The specified volume is already externally connected. *Action* Search the volume and check the status of the volume.
KATS50443-E	The specified volume cannot be externally mapped because it has already been externally mapped. (storage subsystem name: *storage-subsystem-name*, volume ID: *volume-ID*)	*Cause* The specified volume is being operated on by another task. *Action* Wait for the completion of the task. Then, search through the volume and check the status of the volume.
KATS50444-E	The free space to be operated does not exist.	*Cause* Device Manager is in the process of reconfiguring, which could have prevented the acquisition of the specified free space information. Otherwise, the array group with the

Message ID	Message Text	Description
		specified free space might have been deleted. *Action* Search through the free space and check the status of the free space.
KATS50445-E	The volume creation is not possible because the free space to be used from other task. (storage subsystem name: *storage-subsystem-name*, free space: *array-group-name*)	*Cause* The specified free space is to be used in an operation by another task. *Action* Wait for the other task to finish. Then, search for free space again and re-check the status of the free space.
KATS50446-E	The specified SMI-S Enabled subsystem is not supported. (storage subsystem name: *storage-subsystem-name*, unsupported feature: *unsupported-feature*)	*Cause* The specified SMI-S Enabled subsystem is not supported. *Action* Specify an SMI-S Enabled subsystem that is supported by Tiered Storage Manager. If the selected subsystem has already been set up in Tiered Storage Manager to connect externally, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50447-W	External mapping succeeded, but a mapped external volume is blocked. To use the volume, the block must be released. (task ID: *task-ID*, storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, volume ID: *volume-ID*, external storage subsystem name: *external-storage-subsystem-name*, external volume ID: *external-volume-ID*)	*Cause* Possible causes of the volume being blocked are as follows: • The external volume is an SMI-S Enabled subsystem, in which case the external port that was specified while setting up the external connections will not match the current owner's port of the external volume. • The volume is not formatted. • A volume-access failure occurred. *Action* Check the volume status, and then resolve the problem accordingly. If the volume of the SMI-S Enabled subsystem is connected externally, and the specified port has been blocked because the port is not the current owner's port, change the current owner by using a method provided by the management software, release the blockage on the internal and external volumes, and then use the volumes.

Message ID	Message Text	Description
KATS50471-E	A migration that creates a volume cannot be performed because the over provisioning percent of the specified migration-target pool has already exceeded the over provisioning limit threshold. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	*Cause* A volume cannot be created because the over provisioning percent of the pool specified for the target has already exceeded the over provisioning limit threshold. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. Alternatively, reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-create the task. If this message is displayed when you attempt to execute a task: Reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-execute the task.
KATS50472-E	A migration that creates a volume cannot be performed because the over provisioning percent of the specified migration-target pool will exceed the over provisioning limit threshold if a volume is created in the pool. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	*Cause* A volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the target, the over provisioning percent will exceed the over provisioning limit threshold. *Action* If this message is displayed when you attempt to create a task: Re-create a task by specifying another pool for the target. Alternatively, reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-create the task. If this message is displayed when you attempt to execute a task: Reserve sufficient capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-execute the task.
KATS50473-E	A migration that creates a volume cannot be performed because the limit on the number of volumes that can be created in the specified migration-target pool will be	*Cause* A volume cannot be created because the pool specified for the target has already reached the maximum number of volumes that can be created. *Action*

Message ID	Message Text	Description
	exceeded if a volume is created in the pool. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. If this message is displayed when you attempt to execute a task: After canceling the task, specify another pool for the target, re-register the task, and then execute it.
KATS50474-E	A migration that creates a volume cannot be performed because the limit on the number of volumes that can be created in the specified migration-target pool will be exceeded if a volume is created in the pool. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	*Cause* A volume cannot be created because, if an attempt is made to create a volume in the pool specified for the target, the number of volumes that can be created will exceed the upper limit. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. If this message is displayed when you attempt to execute a task: After canceling the task, specify another pool for the target, re-register the task, and then execute it.
KATS50475-E	A migration that creates a volume cannot be performed because the limit on the number of virtual volume groups in a storage domain has already been exceeded. (storage domain name: *storage-domain-name*)	*Cause* A volume cannot be created because the number of virtual volume groups in the specified storage domain has already reached the maximum. *Action* If this message is displayed when you attempt to create a task: If there are unnecessary virtual volume groups, delete them. Then refresh Tiered Storage Manager and re-create the task. If this message is displayed when you attempt to execute a task: If there are unnecessary virtual volume groups, delete them. Then refresh Tiered Storage Manager and re-execute the task.
KATS50476-E	A migration that creates a volume cannot be performed because the limit on the number of virtual volume groups in a storage domain will be exceeded if a volume is	*Cause* A volume cannot be created because, if an attempt is made to create a volume in the specified storage domain, the number of virtual volume groups will exceed the maximum.

Message ID	Message Text	Description
	created in the storage domain. (storage domain name: *storage-domain-name*)	*Action* If this message is displayed when you attempt to create a task: If there are unnecessary virtual volume groups, delete them. Then refresh Tiered Storage Manager and re-create the task. If this message is displayed when you attempt to execute a task: If there are unnecessary virtual volume groups, delete them. Then refresh Tiered Storage Manager and re-execute the task
KATS50477-E	The task cannot be executed because there is at least one volume whose information could not be collected. (storage domain name: *storage-domain-name*, controller logical device number: *controller-LDEV-number*)	*Cause* Possible causes are as follows: • A volume registered in the migration group has been deleted using a product such as Device Manager. • Device Manager could not acquire the volume data for a reason such as a failure that occurred when Device Manager was refreshed. *Action* If the volume is not necessary: After canceling the task, delete the volume from the migration group, re-register the task, and then execute it. If the volume is necessary: Take the following action: 1. Check whether an error occurred when Device Manager was refreshed. If an error occurred, remove the error. 2. Refresh Device Manager. 3. Make sure that the volume data exists in Device Manager. 4. Refresh Tiered Storage Manager.
KATS50478-E	There are no pools that can be migrated to the specified storage tier. (storage domain name: *storage-domain-name*, storage tier name: *storage-tier-name*)	*Cause* The specified storage tier does not contain a pool to which migration is possible. *Action* Add a pool to which migration is possible to the storage tier.
KATS50479-E	A migration that creates a volume cannot be performed because the over provisioning percent of the specified	*Cause* A volume cannot be created because the over provisioning percent of the

Message ID	Message Text	Description
	migration-target pool has already exceeded the over provisioning warning threshold. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	pool specified for the target has already exceeded the over provisioning warning threshold. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. Alternatively, reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-create the task. If this message is displayed when you attempt to execute a task: Reserve sufficient capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-execute the task.
KATS50480-E	A migration that creates a volume cannot be performed because the over provisioning percent of the specified migration-target pool will exceed the over provisioning warning threshold if a volume is created in the pool. (storage domain name: *storage-domain-name*, pool ID: *pool-ID*)	*Cause* A volume cannot be created because, if an attempt is made to create a volume that is the same size as the source volume in the pool specified for the target, the over provisioning percent will exceed the over provisioning warning threshold. *Action* If this message is displayed when you attempt to create a task: Re-create the task by specifying another pool for the target. Alternatively, reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-create the task. If this message is displayed when you attempt to execute a task: Reserve sufficient free capacity in the pool specified for the target, refresh Tiered Storage Manager, and then re-execute the task.
KATS50481-E	A migration plan cannot be created for the specified migration group and storage tier. (storage domain name: *storage-domain-name*, reason migration cannot be performed: *reason-this-migration-is-prevented*)	*Cause* The specified migration group does not contain any volumes that can be migrated to a pool. *Action* If the reason why this migration is prevented is Emulation: Specify a storage tier that contains volumes whose emulation type is the same as the migration source volume.

Message ID	Message Text	Description
		Alternatively, add migratable volumes to the migration group. If the reason why this migration is prevented is LUSE: Specify a storage tier created by specifying volume filter conditions. Alternatively, add migratable volumes to the migration group. If the reason why this migration is prevented is SamePool: Specify a storage tier that contains a pool that is not the one in which the migration source volume is contained. Alternatively, specify a storage tier created by specifying volume filter conditions.
KATS50482-E	An attempt to issue a zero-data discard request to release unused space after migration completed has failed. (storage domain name : *storage-domain-name*, storage subsystem name : *storage-subsystem-name*, task ID : *task-ID*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, use Storage Navigator to perform zero-data discard for the target volume.
KATS50483-E	Acquisition of the progress status for one or more zero-data discard tasks has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID1*, *task-ID2*,...*task-IDn*)	*Cause* See the messages output immediately before this message that have the same task IDs. *Action* Take action in accordance with the messages output immediately before this message that has the same task IDs. If no message was output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. After the cause of the problem is resolved, the task information will be updated to the most recent state by periodic progress inquiries.
KATS50484-E	Migration cannot be performed because the specified migration-target *pool type (DP or THP)* pool is enabled for Data Direct Mapping. (storage domain name: "*storage domain*	*Cause* The volume cannot be created because the specified migration-target DP pool is enabled for Data Direct Mapping. *Action*

Message ID	Message Text	Description
	name", pool ID: *pool ID*, logical device number of the source controller: *LDEV number of the source controller*)	If this message is displayed when you attempt to create a task: Create the task again by specifying another DP pool for the target. If this message is displayed when you attempt to execute a task: Cancel the task, and then create the task again by specifying another DP pool for the target.
KATS50491-E	This command cannot be executed because as of version 7.0.0, storage domains are automatically added and deleted.	*Cause* The command cannot be executed because as of version 7.0.0, storage domains are automatically added and deleted. *Action* -
KATS50501-W	A target volume to be resized to match a source volume might have been deleted because a task was canceled before the resizing finished. Check the status of the target volume, re-create the task if necessary, and then retry the operation. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* The task was canceled or immediately stopped before the re-creation of the volume was completed. *Action* Check the volume status displayed in this message. If the migration target is a volume that has already been deleted, create another volume manually. Create a new task again if necessary, and then retry the operation.
KATS50502-W	A target volume to be resized to match a source volume might have been deleted because a task was canceled before the resizing finished. Check the status of the target volume, re-create the task if necessary, and then retry the operation. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* The task was canceled or immediately stopped before the re-creation of the volume was completed. *Action* Check the volume status displayed in this message. If the migration target is a volume that has already been deleted, create another volume manually. Create a new task again if necessary, and then retry the operation.
KATS50503-E	A target volume to be resized to match a source volume might have been deleted	*Cause*

Message ID	Message Text	Description
	because resizing failed. Perform a refresh, check the status of the target volume, re-create the task if necessary, and then retry the operation. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	For the processing that actually failed, see the message that has the same thread ID and was output immediately before this message. *Action* Take corrective action for the failed processing, and then refresh the storage domain. Next, check the volume status displayed in this message. If the migration target is a volume that has already been deleted, create another volume manually. Create a new task again if necessary, and then retry the operation.
KATS50504-E	A target volume to be resized to match a source volume might have been deleted because resizing failed. Perform a refresh, check the status of the target volume, re-create the task if necessary, and then retry the operation. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*)	*Cause* For the processing that actually failed, see the message for the same volume that was output immediately before this message. If no message for the same volume was output immediately before this message, see the message log for the Tiered Storage Manager server. *Action* Take corrective action for the failed processing, and then refresh the storage domain. Next, check the volume status displayed in this message. If the migration target is a volume that has already been deleted, create another volume manually. Create a new task again if necessary, and then retry the operation.
KATS50505-E	An attempt to lock a storage subsystem has failed. (storage subsystem name: *storage-subsystem-name*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS50506-E	Extension of the lock on a storage subsystem failed. (storage subsystem name: *storage-subsystem-name*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50507-E	An attempt to unlock a storage subsystem has failed. (storage subsystem name: *storage-subsystem-name*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50508-E	Extension of the subsystem lock was canceled because the storage subsystem was unlocked. (storage subsystem name: *storage-subsystem-name*)	*Cause* Extension of the storage subsystem lock was cancelled because there is a possibility that the storage subsystem was unlocked. *Action* The storage subsystem will be locked when a lock request for the storage subsystem is made. No action is required for this message. However, some tasks will fail due to this problem. For failed tasks, take action in accordance with the message that was output in each task.
KATS50509-E	Processing to resize the target volume to match the source volume was canceled because the storage subsystem was unlocked. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task	*Cause* Re-creation of the volume was canceled because there is a possibility that the extension of the storage subsystem lock has failed and the storage subsystem is unlocked. *Action*

Message ID	Message Text	Description
	ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	Check the volume status displayed in this message. If the volume that is to be used as the migration target has been deleted, manually create the volume. Create a new task again if necessary, and then retry the operation.
KATS50510-E	Processing to resize the target volume to match the source volume was canceled because the storage subsystem was unlocked. (controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* Re-creation of the volume was canceled because there is a possibility that an attempt to extend the storage subsystem lock has failed and the storage subsystem is unlocked. *Action* Check the volume status displayed in this message. If the volume that is to be used as the migration target has been deleted, manually create the volume. Create a new task again if necessary, and then retry the operation.
KATS50511-E	The target volume to be resized to match the source volume might have been deleted because the Tiered storage Manager server stopped before the resizing finished. Check the status of the target volume, re-create the task if necessary, and then retry the operation. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* The Tiered Storage Manager server stopped before the re-creation of the volume was finished. *Action* Check the volume status displayed in this message. If the volume that is to be used as the migration target has been deleted, manually create the volume. Create a new task again if necessary, and then retry the operation.
KATS50512-E	The target volume to be resized to match the source volume might have been deleted because the Tiered storage Manager server stopped before the resizing finished. Check the status of the target volume, re-create the task if necessary, and then retry the operation. (controller LDEV number of the source	*Cause* The Tiered Storage Manager server stopped before the re-creation of the volume was finished. *Action* Check the volume status displayed in this message. If the volume that is to be used as the migration target has been deleted, manually create the volume.

Message ID	Message Text	Description
	volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	Create a new task again if necessary, and then retry the operation.
KATS50513-E	The target volume could not be resized to match the source volume because an attempt to lock the storage subsystem failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* The migration target volume could not be re-created and the processing failed because an attempt to lock the storage subsystem failed. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before the KATS50505-E message, which was output immediately before this message. The migration target volume remains reserved as the volume for the migration. After taking the action, refresh Tiered Storage Manager. After that, create a new task again if necessary, and then retry the operation. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50514-E	The target volume could not be resized to match the source volume because an attempt to lock the storage subsystem failed. (controller LDEV number of the migration source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* The migration target volume could not be re-created and the processing failed because an attempt to lock the storage subsystem failed. *Action* Take action in accordance with the message that was output immediately before this message. The migration target volume has been reserved as the volume for the migration. Take action in accordance with the message that was output immediately before this message, and then refresh Tiered Storage Manager. After that, create a new task again if necessary, and then retry the operation. If a message is not output immediately before this message, retry the

Message ID	Message Text	Description
		operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50515-W	Processing to resize the target volume to match the source volume will be retried after a set period of time because an attempt to lock the storage subsystem failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*, retry count: *retry-count*)	*Cause* Re-creation of the volume will be retried after a certain time because an attempt to lock the storage subsystem failed. *Action* -
KATS50516-W	Processing to resize the target volume to match the source volume will be retried after a set period of time because an attempt to lock the storage subsystem failed. (controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*, retry count: *retry-count*)	*Cause* Re-creation of the volume will be retried after a certain time because an attempt to lock the storage subsystem failed. *Action* -
KATS50517-E	Processing to resize the target volume to match the source volume was retried because an attempt to lock the storage subsystem failed, but the retry count exceeded the maximum so the resize processing failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-*	*Cause* Re-creation of the volume was retried because an attempt to lock the storage subsystem failed, but the re-creation processing failed because the retry count exceeded the maximum. *Action* The migration target volume has been reserved as the volume for migration. Refresh Tiered Storage Manager. Wait a while, and create a new task again if necessary, and then retry the operation.

Message ID	Message Text	Description
	number-of-the-target-volume, retry count: *retry-count*)	
KATS50518-E	Processing to resize the target volume to match the source volume was retried because an attempt to lock the storage subsystem failed, but the retry count exceeded the maximum so the resize processing failed. (controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*, retry count: *retry-count*)	*Cause* Re-creation of the volume was retried because an attempt to lock the storage subsystem failed, but the re-creation processing failed because the retry count exceeded the maximum. *Action* The migration target volume has been reserved as the volume for migration. Refresh Tiered Storage Manager. Wait a while, and create a new task again if necessary, and then retry the operation.
KATS50519-E	Volume information required for the operation does not exist in the Tiered storage Manager repository. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the migration source volume: *controller-LDEV-number-of-the-migration-source-volume*, controller LDEV number of the migration target volume: *controller-LDEV-number-of-the-migration-target-volume*)	*Cause* Processing cannot be executed because the volume information required for the migration operation does not exist in the Tiered Storage Manager repository. *Action* After refreshing Tiered Storage Manager, create a new task again if necessary, and then retry the operation.
KATS50520-E	Volume information required for the operation does not exist in the Tiered storage Manager repository. (controller LDEV number of the migration source volume: *controller-LDEV-number-of-the-migration-source-volume*, controller LDEV number of the migration target volume: *controller-LDEV-number-of-the-migration-target-volume*)	*Cause* Processing cannot be executed because the volume information required for the migration operation does not exist in the Tiered Storage Manager repository. *Action* After refreshing Tiered Storage Manager, create a new task again if necessary, and then retry the operation.
KATS50521-E	An error occurred during processing before resizing the target volume to match the source volume. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the source volume:	*Cause* An error occurred during the volume information integrity check or the acquisition of the original volume information, which are performed before volume re-creation. For the error that actually occurred, see the message that has the same

Message ID	Message Text	Description
	controller-LDEV-number-of-the-source-volume, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50522-E	An error occurred during processing before resizing the target volume to match the source volume. (controller LDEV number of the source volume: *controller-LDEV-number-of-the-source-volume*, controller LDEV number of the target volume: *controller-LDEV-number-of-the-target-volume*)	*Cause* An error occurred during the volume information integrity check or the acquisition of the original volume information, which are performed before volume re-creation. For the error that actually occurred, see the message that is for the same volume and was output immediately before this message. If the message for the same volume is not output immediately before this message, see the message log for the Tiered Storage Manager server. *Action* Take action in accordance with the message that is for the same volume and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS50523-W	Volume information might not have been specified because a task was canceled before processing to resize the target volume to match the source volume finished. Check the status of the target volume, and then specify the volume information if necessary. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume: *controller-LDEV-number-for-*	*Cause* The task was canceled or immediately stopped before the re-creation of the target volume was completed. For this reason, information might not have been specified for the volume. *Action* When labels are specified for volumes: Use Device Manager to check whether a label is specified for the target volume displayed in this message. If no label is specified, specify one by using Device Manager.

Message ID	Message Text	Description
	the-source-volume, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*, information type: *specified-information-type*, value: *specified-value*)	For details on the actual operation, see the *Hitachi Command Suite User Guide*. When volumes are registered in resource groups: Use Device Manager to check whether the target volume displayed in this message is registered in the resource group displayed in this message. If the volume is not registered in the resource group, register the volume by using Device Manager. For details on the actual operation, see the *Hitachi Command Suite User Guide*.
KATS50524-W	Volume information might not have been specified because a task was canceled before processing to resize the target volume to match the source volume finished. Check the status of the target volume, and then specify the volume information if necessary. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*, information type: *specified-information-type*, value: *specified-value*)	*Cause* The task was canceled or immediately stopped before the re-creation of the target volume was completed. For this reason, information might not have been specified for the volume. *Action* When labels are specified for volumes: Use Device Manager to check whether a label is specified for the target volume displayed in this message. If no label is specified, specify one by using Device Manager. For details on the actual operation, see the *Hitachi Command Suite User Guide*. When volumes are registered in resource groups: Use Device Manager to check whether the target volume displayed in this message is registered in the resource group displayed in this message. If the volume is not registered in the resource group, register the volume by using Device Manager. For details on the actual operation, see the *Hitachi Command Suite User Guide*.
KATS50525-E	Volume information might not have been specified because processing to resize the target volume to match the source volume failed. Perform a refresh, check the status of the target volume, and then specify the volume information	*Cause* Information might not have been specified for the target volume because an error occurred during the re-creation of the volume. *Action* When labels are specified for volumes:

Message ID	Message Text	Description
	if necessary. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*, information type: *specified-information-type*, value: *specified-value*)	Use Device Manager to check whether a label is specified for the target volume displayed in this message. If no label is specified, specify one by using Device Manager. For details on the actual operation, see the *Hitachi Command Suite User Guide*. When volumes are registered in resource groups: Use Device Manager to check whether the target volume displayed in this message is registered in the resource group displayed in this message. If the volume is not registered in the resource group, register the volume by using Device Manager. For details on the actual operation, see the *Hitachi Command Suite User Guide*.
KATS50526-E	Volume information might not have been specified because processing to resize the target volume to match the source volume failed. Perform a refresh, check the status of the target volume, and then specify the volume information if necessary. (controller LDEV number for the source volume: *controller-LDEV-number-for-the-source-volume*, controller LDEV number for the target volume: *controller-LDEV-number-for-the-target-volume*, information type: *information-type*, value: *value*)	*Cause* Information might not have been specified for the target volume because an error occurred during the re-creation of the volume. *Action* When labels are specified for volumes: Use Device Manager to check whether a label is specified for the target volume displayed in this message. If no label is specified, specify one by using Device Manager. For details on the actual operation, see the *Hitachi Command Suite User Guide*. When volumes are registered in resource groups: Use Device Manager to check whether the target volume displayed in this message is registered in the resource group displayed in this message. If the volume is not registered in the resource group, register the volume by using Device Manager. For details on the actual operation, see the *Hitachi Command Suite User Guide*.
KATS50527-E	Volume creation failed. (task ID: *task-ID*, storage subsystem	*Cause* When this message is displayed in the message log:

Message ID	Message Text	Description
	name: *storage-subsystem-name*, free space: *array-group-name/free-space-number*)	See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the detailed task information: See the message that was output immediately before this message. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information: Take action in accordance with the message that was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50528-E	Volume creation failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, free space: *array-group-name/free-space-number*, storage domain name: *storage-domain-name*)	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the detailed task information: See the message that was output immediately before this message. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, refresh the storage subsystem by using Device Manager and refresh the storage domain by using Tiered Storage Manager. If a message is not output

Message ID	Message Text	Description
		immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information: Take action in accordance with the message that was output immediately before this message. Then, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50529-E	The volume was successfully created, but an attempt to acquire the information of the created volume has failed (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, free space: *array-group-name/free-space-number*)	*Cause* Although the volume was successfully created, acquisition of the created volume information failed. As a result, the created volume information might not be specified in the task information. *Action* Search the volume within the array group that has the free space indicated by the message, and then check the created volume information.
KATS50530-E	The volume was successfully created, but an attempt to acquire the information of the created volume has failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, free space: *array-group-name/free-space-number*, storage domain name: *storage-domain-name*)	*Cause* Although the volume was successfully created, acquisition of the created volume information failed. As a result, the created volume information might not be specified in the task information. Otherwise, the created volume information might not be specified in the storage domain. *Action* Refresh the storage domain. Then, search through the volume within the array group that has the free space indicated by the message, and then check the created volume information.
KATS50531-E	Path creation failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, port name: *port-name*, volume of the path setting: *path-settings-of-the-volume*)	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message.

Message ID	Message Text	Description
		When this message is displayed in the detailed task information: See the message that was output immediately before this message. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information: Take action in accordance with the message that was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50532-E	Path creation failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, port name: *port-name*, volume of the path setting: *path-settings-of-the-volume*, storage domain name: *storage-domain-name*)	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the detailed task information: See the message that was output immediately before this message. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, refresh the storage subsystem by using Device Manager and refresh the storage domain by using Tiered Storage Manager. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the

Message ID	Message Text	Description
		maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information: Take action in accordance with the message that was output immediately before this message. Then, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50533-E	The path was successfully created, but an attempt to acquire the information of the created path has failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, port name: *port-name*, volume of the path setting: *path-settings-of-the-volume*)	*Cause* Although the path was successfully created, acquisition of the path information failed. As a result, the created path information might not be specified in the task information. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, create the task again and execute the operation, if necessary. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information: Take action in accordance with the message that was output immediately before this message. Then, create the task again and execute the operation, if necessary. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50534-E	The path was successfully created, but an attempt to	*Cause*

Message ID	Message Text	Description
	acquire the information of the created path has failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, port name: *port-name*, volume of the path setting: *path-settings-of-the-volume*, storage domain name: *storage-domain-name*)	Although the path was successfully created, acquisition of the path information failed. As a result, the created path information might not be specified in the task information. Otherwise, the created path information might not be specified in the storage domain. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, refresh the storage domain. Then, create the task again and execute the operation, if necessary. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information: Take action in accordance with the message that was output immediately before this message. Then, refresh the storage domain. Then, create the task again and execute the operation, if necessary. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50535-E	An attempt to set up external mapping failed. (task ID: *task-ID*, storage domain name: *storage-domain-name*, external storage subsystem name: *external-storage-subsystem-name*, external volume: *external-volume*)	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the task error information: See the message that was output immediately before this message. *Action*

Message ID	Message Text	Description
		When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, refresh the storage subsystem by using Device Manager, and refresh the storage domain by using Tiered Storage Manager. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the task error information: Take action in accordance with the message that was output immediately before this message. Then, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50536-E	External mapping was successfully set up, but an attempt to acquire the external mapping settings has failed. (task ID: *task-ID*, storage domain name: *storage-domain-name*, external storage subsystem name: *external-storage-subsystem-name*, external volume: *external-volume*)	*Cause* Although the external connection was successfully set, acquisition of the setup results failed. Due to this, the external connection setup results might not be specified in the task information. Otherwise, the external connection setup results might not be specified in the storage domain. *Action* Refresh the storage domain. Then, check the information of the volume that is connected to the external volume indicated in the message.
KATS50537-E	Host storage domain creation failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, port name: *port-name*)	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the detailed task information: See the message that was output immediately before this message.

Message ID	Message Text	Description
		Action When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information: Take action in accordance with the message that was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50538-E	Host storage domain creation failed. (task ID: *task-ID*, storage subsystem name: *storage-subsystem-name*, port name: *port-name*, storage domain name: *storage-domain-name*)	*Cause* When this message is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message is displayed in the detailed task information: See the message that was output immediately before this message. *Action* When this message is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, refresh the storage subsystem by using Device Manager, and refresh the storage domain by using Tiered Storage Manager. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. When this message is displayed in the detailed task information:

Message ID	Message Text	Description
		Take action in accordance with the message that was output immediately before this message. Then, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50539-E	The specified host storage domain *storage-domain-name* cannot be used for a path connected to external storage. The external port WWN has already been assigned to the host storage domain *host-storage-domain-name-to-which-an-external-port-WWN-has-been-assigned*. (WWN of the external port for the internal subsystem: *external-port-WWN-of-an-internal-storage-subsystem*, WWN of the target port for the external subsystem: *connection-port-WWN-of-an-external-storage-subsystem*)	*Cause* The WWN of the specified external port has already been assigned to a different host storage domain. If a WWN has already been assigned to another host storage domain that already exists, the WWN cannot be assigned to additional host storage domains on the same port. *Action* Set *storage-domain-name* to Auto, and then retry to connect to the external storage subsystem. A host storage domain to which the WWN of an external port has already been assigned will be automatically selected.
KATS50540-E	The specified LUN number *LUN-number* cannot be used for a path connected to external storage. The LUN number is already in use by the host storage domain *storage-domain-name*, an invalid LUN number has been specified, or there is no usable LUN number. (WWN of the external port for the internal subsystem: *external-port-WWN-of-an-internal-storage-subsystem*, WWN of the target port for the external subsystem: *connection-port-WWN-of-an-external-storage-subsystem*)	*Cause* If this message is displayed after you tried to specify a LUN number and connect to an external storage subsystem, then the specified LUN number is already in use or is invalid. If this message is displayed after you have set *LUN-number* to Auto and tried to connect to an external storage subsystem, then no LUN numbers are available in the specified host storage domain. *Action* If this message is displayed after you tried to specified a LUN number and connect to an external storage subsystem, set *LUN-number* to Auto, and then retry to connect to the external storage subsystem. A LUN number will be automatically selected. If this message is displayed after you have set *LUN-number* to Auto and tried to connect to an external storage subsystem, then the specified path cannot be established by using the

Message ID	Message Text	Description
		current settings. Delete any unnecessary paths from the host storage domain and then retry the operation, or create a new path that can route through another port.
KATS50541-W	The volume cannot be deleted because it is waiting for the volume pool association to be removed. After some time, the system is going to attempt to delete the volume again. (storage domain name = "*storage-domain-name*", storage system name = "*storage-system-name*", task ID = "*task-ID*", controller logical device number = "*controller-logical-device-number*", deletion attempts = "*count-of-trying-deletion*")	*Cause* The volume cannot be deleted because it is waiting for the volume pool association to be removed. *Action* No action required.
KATS50542-W	The volume cannot be deleted because it is waiting for the volume pool association to be removed. After some time, the system is going to attempt to delete the volume again. (controller logical device number = "*controller-logical-device-number*", deletion attempts = "*count-of-trying-deletion*")	*Cause* The volume cannot be deleted because it is waiting for the volume pool association to be removed. *Action* No action required.
KATS50543-I	The system cannot delete the volume until the volume pool association is removed. You must wait some time. (controller logical device number = *"controller-logical-device-number-1", "controller-logical-device-number-2", ... "controller-logical-device-number-n"*)	*Cause* The system is waiting until the volume pool association is removed before deleting the volume. *Action* No action required.
KATS50550-E	A port could not be found for the external storage subsystem. (storage subsystem name: *storage-subsystem-name*, external port: *external-port*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, refresh the storage domain. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect

Message ID	Message Text	Description
		the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support.
KATS50901-E	Refresh could not be performed normally because an unexpected exception occurred during refresh processing. (storage domain name: *storage-domain-name*, internal info: *internal-info*)	*Cause* An unexpected exception occurred during refresh processing. *Action* See the message logs for Tiered Storage Manager, Device Manager, and Common Component, and remove the cause of the problem. Then, perform the refresh again. If you cannot remove the cause of the problem, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and contact customer support.
KATS50902-E	Task processing was not performed normally because an unexpected exception occurred during task processing. (internal info: *internal-info*)	*Cause* An unexpected exception occurred during task processing. *Action* See the message logs for Tiered Storage Manager, Device Manager, and Common Component, and remove the cause of the problem. Then, check the task status, and perform the necessary operation. If you cannot remove the cause of the problem, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and contact customer support.
KATS50903-E	An unexpected exception occurred but the relevant processing was performed normally. (internal info: *internal-info*)	*Cause* An unexpected exception occurred. *Action* You do not need to take immediate action. See the message logs for Tiered Storage Manager, Device Manager, and Common Component, and remove the cause of the problem. If you cannot remove the cause of the problem, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and contact customer support.
KATS50904-E	Refresh could not be performed normally because an	*Cause* An unexpected exception occurred during refresh processing.

Message ID	Message Text	Description
	unexpected exception occurred during refresh processing.	*Action* See the message logs for Tiered Storage Manager, Device Manager, and Common Component, and remove the cause of the problem. Then, perform the refresh again. If you cannot remove the cause of the problem, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and contact customer support.
KATS50905-E	An attempt to reference the upgrade refresh information file has failed. (file name: *upgrade-refresh-information-file-name(absolute-path)*)	*Cause* The environment for common components is incorrect. *Action* Obtain maintenance information for Tiered Storage Manager, and contact customer support.
KATS50906-E	The storage domain information is not up-to-date. Refresh the storage domain, make sure the Device Manager information about volumes to be migrated matches the Tiered Storage Manager information, and then retry the operation. (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message, and then make sure that the information for Device Manager is consistent with the information for Tiered Storage Manager. Then, retry the operation.
KATS50907-E	The storage domain information is not up-to-date. Refresh the storage domain. (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message, make sure that the information for Device Manager is consistent with the information for Tiered Storage Manager, and then retry the processing.
KATS50908-E	The storage domain information and the Device Manager storage subsystem information is not up-to-date. Refresh the storage domain (this will cause Device Manager to be refreshed automatically). Make sure the Device Manager information about volumes to	*Cause* The information for Device Manager and the storage subsystem is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message.

Message ID	Message Text	Description
	be migrated matches the Tiered Storage Manager information, and then retry the operation. (storage domain name: *storage-domain-name*)	When the storage domain is refreshed, the information for the storage subsystem in the repository managed by Device Manager is also refreshed. Next, make sure that the information for Device Manager is consistent with the information for Tiered Storage Manager, and then retry the operation.
KATS50909-E	The storage domain information and the Device Manager storage subsystem information is not up-to-date. Refresh the storage domain (this will cause Device Manager to be refreshed automatically). (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager and the storage subsystem is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message. When the storage domain is refreshed, the information for the storage subsystem in the repository managed by Device Manager is also refreshed.
KATS50910-E	Processing was interrupted because the storage domain information is not up-to-date. Refresh the storage domain, and then retry the operation. (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message, and then retry the operation.
KATS50911-E	Processing was interrupted because the storage domain information and the Device Manager storage subsystem information is not up-to-date. Refresh the storage domain (this will cause Device Manager to be refreshed automatically), and then retry the operation. (storage domain name: *storage-domain-name*)	*Cause* The information for Device Manager and the storage subsystem is inconsistent with the information for Tiered Storage Manager. *Action* Refresh the storage domain displayed in the message, and then retry the operation. When the storage domain is refreshed, the information for the storage subsystem in the repository managed by Device Manager is also refreshed.
KATS50912-E	The operation-volume information could not be updated normally because an unexpected exception occurred during the update processing. (storage domain name: *storage-domain-name*, internal info: *internal-info*)	*Cause* An unexpected exception occurred during the update processing of the operation-volume information. *Action* See information such as the message log for Tiered Storage Manager, the

Message ID	Message Text	Description
		message log for Device Manager, and the message log for Common Component. Remove the cause if possible, and then refresh the storage domain. If you cannot remove the cause, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and then contact customer support.
KATS50913-E	The operation-volume information could not be updated normally because an unexpected exception occurred during the update processing.	*Cause* An unexpected exception occurred during the update processing of the operation-volume information. *Action* See information such as the message log for Tiered Storage Manager, the message log for Device Manager, and the message log for Common Component. Remove the cause if possible, and then refresh the storage domain. If you cannot remove the cause, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and then contact customer support.
KATS51010-E	The target migration group is the same as the source migration group. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* The specified target migration group is the same as the source migration group. *Action* Specify a target migration group that is different from the source migration group.
KATS51011-E	The migration group is being used by a migration task that is being created. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* The specified migration group is being used by a migration task that is being created. *Action* Terminate the migration task that is being created.
KATS51101-E	A past date cannot be specified for the scheduled date for issuing a period-elapsed event. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* A past date was specified for the scheduled date for issuing a period-elapsed event. *Action*

Message ID	Message Text	Description
		Specify a future date for the scheduled date for issuing a period-elapsed event.
KATS51111-E	The mail template file does not exist. (template file name: *template-file-name*)	*Cause* The mail template file does not exist. *Action* Make sure that the displayed template file exists in the `conf` directory under the Tiered Storage Manager installation directory.
KATS51112-E	An error occurred while reading the mail template file. (template file name: *template-file-name*, internal info: *internal-info*)	*Cause* An error occurred while reading the mail template file. *Action* Check the details (for example, in the message log for Tiered Storage Manager), and remove the cause. If you cannot remove the cause of the problem, collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and then contact customer support.
KATS51113-E	The mail template file is too large. (template file name: *template-file-name*, size of template file: *size-of-template-file*, maximum size of template file: *maximum-size-of-template-file*)	*Cause* The mail template file size is too large. *Action* Review the contents of the template file and reduce the size.
KATS51114-E	An invalid line exists in the header part of the mail template file. The header name and header value must be separated by a colon (:). (template file name: *template-file-name*, line number: *line-number*)	*Cause* An invalid line exists in the header part of the mail template file. The header name and header value must be separated by a colon (:). *Action* Make sure that the delimiter colon (:) exists in the line where the error occurred in the displayed template file.
KATS51115-E	In the mail template file, there is no blank line indicating the end of the header. (template file name: *template-file-name*)	*Cause* In the mail template file, there is no blank line indicating the end of the header part. *Action* Make sure that a blank line exists at the end of the header part.
KATS51116-E	In the mail template file, one line is too long line. (template file name: *template-file-name*,	*Cause*

Message ID	Message Text	Description
	line number: *line-number*, detected line length: *detected-line-length*, maximum line length: *maximum-line-length*)	In the mail template file, one line is too long. *Action* Review the contents of the template file and make one line shorter.
KATS51117-E	An invalid header exists. Reading of the mail template file will now stop. (template file name: *template-file-name*, header name: *header-name*)	*Cause* An invalid header has been specified. *Action* Review the character string specified for the header name in the template file.
KATS51118-E	A required header has not been specified. Reading of the mail template file will now stop. (template file name: *template-file-name*, header name: *header-name*)	*Cause* A required property key has not been specified. *Action* Review the specified property key in the template file.
KATS51119-E	The same header name has been specified multiple times. Reading of the mail template file will now stop. (template file name: *template-file-name*, header name: *header-name*)	*Cause* An invalid header has been specified. *Action* Check the header specified in the template file.
KATS51121-E	A mail server is not specified. When the server.eventNotification.mail.to property is used, a mail server must be specified.	*Cause* The target address for all events has been specified, but information for the mail server required for sending mail has not been specified. *Action* In the `server.properties` file, specify the information for the mail server.
KATS51131-I	The retention term (volume lock period) has expired. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, number of expired volumes: *number-of-expired-volumes*)	*Cause* - *Action* -
KATS51132-I	The period specified for a migration group has elapsed. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*)	*Cause* - *Action* -
KATS51141-I	Mail was used to report the end of the task. (task ID: *task-ID*, target address: *target-address*)	*Cause* - *Action*

Message ID	Message Text	Description
		-
KATS51142-I	Mail was used to report the end of the volume lock period.. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, number of expired volumes: *number-of-expired-volumes*, target address: *target-address*)	*Cause* - *Action* -
KATS51143-I	Mail was used to report that the period specified for a migration group has elapsed. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, target address: *target-address*)	*Cause* - *Action* -
KATS51151-E	An attempt to use mail to report the end of the task has failed. (task ID: *task-ID*, target address: *target-address*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS51152-E	An attempt to use mail to report the expiry of the retention term (volume lock period) has failed. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, number of expired volumes: *number-of-expired-volumes*, target address: *target-address*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS51153-E	An attempt to use mail to report the expiry of the period specified for a migration group has failed. (storage domain	*Cause* See the message that has the same thread ID and was output immediately before this message.

Message ID	Message Text	Description
	name: *storage-domain-name*, migration group name: *migration-group-name*, target address: *target-address*)	*Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS51202-E	An attempt to lock volume(s) has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the volume: *controller-LDEV-number-of-the-volume*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, create a locking task again and lock the volume. If a message is not output immediately before this message, create a lock task again and lock the volume. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS51203-E	An attempt to lock volume(s) has failed. (controller LDEV number of the volume: *controller-LDEV-number-of-the-volume*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, create a locking task again and lock the volume. If a message is not output immediately before this message, create a lock task again and lock the volume. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see also the *Troubleshooting* examples in the

Message ID	Message Text	Description
		manual *Hitachi Command Suite User Guide*.
KATS51206-E	An attempt to unlock a volume has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*, controller LDEV number of the volume: *controller-LDEV-number*)	*Cause* See the message that has the same thread ID and was output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, create an unlocking task again and unlock the volume. If a message is not output immediately before this message, create an unlock task again and unlock the volume. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS51207-E	An attempt to unlock a volume has failed. (controller LDEV number of the volume: *number-of-the-volume*)	*Cause* See the message that has the same thread ID and was output immediately prior to this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, create an unlocking task again and unlock the volume. If a message is not output immediately before this message, create an unlock task again and unlock the volume. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS51208-E	The lock task for this migration group cannot be created because there is no lockable volume in the specified migration group. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*,	*Cause* There are no volumes in the specified migration group that can be locked. Reasons preventing locking are as follows: • Business Copy XP Configuration [Node]: Locking is prevented because of the restrictions of Business Copy XP [Node].

Message ID	Message Text	Description
	reason locking is not possible: *reason-preventing-locking*, controller LDEV number: *controller-LDEV-number*)	• Business Copy XP Configuration [Leaf]: Locking is prevented because of the restrictions of Business Copy XP [Leaf]. • Command Device: Locking is prevented because it is a command device. • Continuous Access XP Synchronous Configuration [Leaf]: Locking is prevented because of the restrictions of Continuous Access XP Synchronous [Leaf]. • Continuous Access XP Asynchronous Configuration [Leaf]: Locking is prevented because of the restrictions of Continuous Access XP Asynchronous [Leaf]. • Continuous Access XP Journal Configuration [S-VOL]: Locking is prevented because of the restrictions of Continuous Access XP [S-VOL]. • Continuous Access XP Journal Configuration [JNL-VOL]: Locking is prevented because of the restrictions of Continuous Access XP [JNL-VOL]. • IOSuppressionMode and External Volume: Locking is prevented due to I/O suppression mode and external volume • Mainframe Volume: Locking is prevented because the volume is a mainframe volume • Migration Reserved: Locking is prevented because it has already been reserved for migration. • NAS: Locking is prevented because it is a system volume for NAS • Retention Term: A lock period shorter than the rock period already set has been specified, or the lock period and guard attributes already set have been specified • ShadowImage Configuration [Node]: Locking is prevented because of the restrictions of ShadowImage [Node]. • ShadowImage Configuration [Leaf]: Locking is prevented

Message ID	Message Text	Description
		because of the restrictions of ShadowImage [Leaf]. • Snapshot XP Configuration [POOL]: Locking is prevented because of the restrictions of Snapshot XP [POOL]. • Snapshot XP Configuration [V-VOL]: Locking is prevented because of the restrictions of Snapshot XP [V-VOL]. • Thin Image Configuration [POOL]: Locking is prevented because of the restrictions of Thin Image [POOL]. • Thin Image Configuration [V-VOL]: Locking is prevented because of the restrictions of Thin Image [V-VOL]. • Fast Snap Configuration [POOL]: locking is prevented because of the restrictions of Thin Image [V-VOL]. • Fast Snap Configuration [V-VOL]: Locking is prevented because of the restrictions of Fast Snap [V-VOL]. • TrueCopy Synchronous Configuration [Leaf]: Locking is prevented because of the restrictions of TrueCopy Synchronous [Leaf]. • TrueCopy Asynchronous Configuration [Leaf]: Locking is prevented because of the restrictions of TrueCopy Asynchronous [Leaf]. • Universal Replicator Configuration [S-VOL]: Locking is prevented because of the restrictions of Universal Replicator [S-VOL]. • Universal Replicator Configuration [SP-VOL]: Locking is prevented because of the restrictions of Universal Replicator [SP-VOL]. • Universal Replicator Configuration [JNL-VOL]: Locking is prevented because of the restrictions of Universal Replicator [JNL-VOL]. • Dynamic Provisioning Configuration [POOL]: Locking is prevented because of the restrictions of Dynamic Provisioning [POOL].

Message ID	Message Text	Description
		• Thin Provisioning Configuration [POOL]: Locking is prevented because of the restrictions of Thin Provisioning [POOL]. • In-progress data migration that uses virtual IDs : Locking is prevented because it is volumes in an in-progress data migration that uses virtual IDs. • Data migration that uses virtual IDs: Locking is prevented because it belong to the resource group used for a data migration that uses virtual IDs. • GAD Reserved: Locking is prevented because it has already been reserved for global-active device. • HA Reserved: Locking is prevented because it has already been reserved for High Availability. • Quorum Disk: Locking is prevented because the volume is a quorum disk. • NAS Platform (System LU): Locking is prevented because the volume is a system volume for a NAS module. • External volume for which the Data Direct Mapping attribute is enabled: Locking is prevented because the volume is an external volume enabled for Data Direct Mapping. Comma-separated list of controller LDEV numbers might be displayed in *controller-LDEV-number*. *Action* Specify a migration group that includes a volume that can be locked.
KATS51209-E	Because any volume that can be unlocked doesn't exist in the specified migration group, the unlock task of this migration group cannot be created. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, reason unlocking is not possible: *reason-unlocking-is-not-*	*Cause* There are no volumes in the specified migration group that can be unlocked. reason preventing unlocking: one of the following appears as the value shown in *reason-unlocking-is-not-possible*. • Retention Term: Unlocking is prevented during the retention days

Message ID	Message Text	Description
	possible, controller LDEV number: *controller-LDEV-number*)	• Not Read only or Protect: Unlocking is prevented because the Guard Mode is not Read only or Protect *Action* Specify a migration group that includes a volume that can be unlocked.
KATS51210-E	An attempt to update the expiry date for the volume lock has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* See the message in the same thread ID output immediately before this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. Then, refresh the Tiered Storage Manager. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS51301-E	All volumes in the migration group cannot be shredded. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, reason preventing shredding: *reason-preventing-shredding*, controller LDEV number: *controller-LDEV-number*)	*Cause* There are no shreddable volumes in the specified migration group. Reasons preventing shredding are as follows: • Copy-On-Write Snapshot: Shredding is prevented because of the restrictions of Copy-On-Write Snapshot. • Thin Image: Shredding is prevented because of the restrictions of Thin Image. • Fast Snap: Shredding is prevented because of the restrictions of Fast Snap. • Dynamic Provisioning [Pool]: Shredding is prevented because of the restrictions of Dynamic Provisioning pool volumes. • Dynamic Provisioning [Unassigned]: Shredding is prevented because of the restrictions of Dynamic Provisioning pool volumes for which pools have not been assigned. • Locked: Shredding is prevented because the volume is locked.

Message ID	Message Text	Description
		• Migration Reserved: Shredding is prevented because it has already been reserved for migration. • Path: Shredding is prevented because a path is set. • ShadowImage: Shredding is prevented because of the restrictions of ShadowImage. • Thin Provisioning [Pool]: Shredding is prevented because of the restrictions of Thin Provisioning pool volumes. • Thin Provisioning [Unassigned]: Shredding is prevented because of the restrictions of Thin Provisioning pool volumes for which pools have not been assigned. • TrueCopy Synchronous: Shredding is prevented because of the restrictions of TrueCopy Synchronous. • TrueCopy Asynchronous: Shredding is prevented because of the restrictions of TrueCopy Asynchronous. • Universal Replicator: Shredding is prevented because of the restrictions of Universal Replicator. • In-progress data migration that uses virtual IDs : Shredding is prevented because it is volumes in an in-progress data migration that uses virtual IDs. • Data migration that uses virtual IDs: Shredding is prevented because it belong to the resource group used for a data migration that uses virtual IDs. • global-active device: Shredding is prevented because of the restrictions of global-active device. • High Availability: Shredding is prevented because of the restrictions of High Availability. • GAD Reserved: Shredding is prevented because it has already been reserved for global-active device. • HA Reserved: Shredding is prevented because it has already

Message ID	Message Text	Description
		been reserved for High Availability. • Quorum Disk: Shredding is prevented because it is a quorum disk. • NAS Platform (System LU): Shredding is prevented because the volume is a system volume for a NAS module. • External volume for which the Data Direct Mapping attribute is enabled: Shredding is prevented because the volume is an external volume enabled for Data Direct Mapping. Comma-separated list of controller LDEV numbers might be displayed in *controller-LDEV-number*. *Action* Specify a migration group that contains shreddable volumes.
KATS51303-E	An attempt to start volume shredding has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*)	*Cause* See the message that has the same thread ID and was output immediately prior to this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, create a shredding task again and execute it. If a message is not output immediately before this message, create a shredding task again and execute it. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when the task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS51304-E	An attempt to start volume shredding has failed.	*Cause* See the message that has the same thread ID and was output immediately prior to this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If necessary, create a shredding task again and execute it. If a message is not output immediately

Message ID	Message Text	Description
		before this message, create a shredding task again and execute it. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. If an error occurs when a task is executed, see *Troubleshooting* in the manual *Hitachi Command Suite User Guide*.
KATS51305-E	An attempt to acquire the progress status for volume shredding has failed. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*)	*Cause* See the message that has the same thread ID and was output immediately prior to this message. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. After the cause of the problem is resolved, the task information will be updated to the most recent state by periodic progress inquiries.
KATS51306-E	The storage subsystem stopped volume shredding.	*Cause* The storage subsystem stopped volume shredding. *Action* Create a shredding task again and execute it. If you continue using the stopped volume, there is a possibility that the volume will be blocked. Check the volume state by using Storage Navigator. If necessary, format the volume. For details on Storage Navigator, see the *Storage Navigator User's Guide*.
KATS51307-E	The storage subsystem stopped volume shredding. (storage domain name: *storage-domain-name*, storage subsystem name: *storage-subsystem-name*, task ID: *task-ID*)	*Cause* The storage subsystem stopped volume shredding. *Action* Create a shredding task again and execute it. If you continue using the stopped volume, there is a possibility that the volume will be blocked. Check the volume state by using Storage Navigator. If necessary, format the volume. For details on Storage

Message ID	Message Text	Description
		Navigator, see the *Storage Navigator User's Guide*.
KATS51310-E	The specified migration group is specified as the target migration group for an unfinished task. (storage domain name: *storage-domain-name*, migration group name: *migration-group-name*, task ID: *task-ID*)	*Cause* The specified migration group is being set to the target migration group of an unfinished (waiting or running) task. *Action* Terminate the unfinished (waiting or running) task for the specified migration group.
KATS51400-I	Automatic refresh will now begin refreshing a storage domain. (storage domain name: *storage-domain-name*, automatic refresh type: *auto-refresh-type*)	*Cause* One of the following is indicated in *auto-refresh-type*: • Server Start: Automatic refreshing that is performed when the Tiered Storage Manager server starts • Schedule: Automatic refreshing that is performed on schedule • Subsystem Refreshed: Automatic refreshing that is performed when Device Manager detects a refreshed subsystem • Upgrade Refresh: Automatic refreshing that is performed after an upgrade *Action* -
KATS51401-I	An attempt to begin automatic refresh failed because the target storage domain was already being refreshed. (storage domain name: *storage-domain-name*, automatic refresh type: *auto-refresh-type*)	*Cause* Automatic refreshing was started while the storage domain was being refreshed. One of the following is displayed in *auto-refresh-type*: • Server Start: Automatic refreshing that is performed when the Tiered Storage Manager server starts • Schedule: Automatic refreshing that is performed on schedule • Subsystem Refreshed: Automatic refreshing that is performed when Device Manager detects a refreshed subsystem • Upgrade Refresh: Automatic refreshing that is performed after an upgrade *Action* -

Message ID	Message Text	Description
KATS51402-E	Automatic refresh of a storage domain failed. Please remove the cause of error, and then attempt to refresh the storage domain again. (storage domain name: *storage-domain-name*, automatic refresh type: *automatic-refreshing-type*, automatic refresh beginning time: *auto-refresh-beginning-time (local-time-on-the-server-machine-running-the-Tiered-Storage-Manager-server) YYYY-MM-DD hh:mm:ss*)	*Cause* When the message is displayed in the message log: Take action according to the message that has the same tid and that was output immediately before this message. When the message is displayed in the standard error output file or error window: If a message was output before or after this message, take action according to that message. One of the following is displayed in *automatic-refreshing-type*: • Server Start: Automatic refreshing that is performed when the Tiered Storage Manager server starts • Schedule: Automatic refreshing that is performed on schedule • Subsystem Refreshed: Automatic refreshing that is performed when Device Manager detects a refreshed subsystem • Upgrade Refresh: Automatic refreshing that is performed after an upgrade *Action* Take one of the following actions: • When the message is displayed in the message log, take action according to the message that has the same thread ID and that was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. • When the message is displayed in the standard error output file or error window, take action according to the message that was output before or after this message, if any. When a message is not output before or after this message, retry the operation. If you still cannot resolve the

Message ID	Message Text	Description
		problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS51403-E	Automatic refresh did not refresh a storage domain completely. Remove the cause of the error, and then attempt to refresh the storage domain again. (storage domain name: *storage-domain-name*, automatic refresh type: *auto-refresh-type*, automatic refresh beginning time: *auto-refresh-beginning-time (local-time-on-the-server-machine-running-the-Tiered-Storage-Manager-server) YYYY-MM-DD hh:mm:ss*)	*Cause* When the message is displayed in the message log: Take action according to the message that has the same tid and that was output immediately before this message. When the message is displayed in the standard error output file or error window: If a message was output before or after this message, take action according to that message. One of the following is displayed in *automatic-refreshing-type*: • Server Start: Automatic refreshing that is performed when the Tiered Storage Manager server starts • Schedule: Automatic refreshing that is performed on schedule • Subsystem Refreshed: Automatic refreshing that is performed when Device Manager detects a refreshed subsystem • Upgrade Refresh: Automatic refreshing that is performed after an upgrade *Action* Take one of the following actions: • When the message is displayed in the message log, take action according to the message that has the same thread ID and that was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. • When the message is displayed in the standard error output file or error window, take action according to the message that was output before or after this message, if any. If a message is

Message ID	Message Text	Description
		not output before or after this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS51404-I	An error occurred during automatic refresh of a storage domain. Refreshing will be executed again some time later. (storage domain name: *storage-domain-name*, automatic refresh type: *auto-refresh-type*)	*Cause* When the message is displayed in the message log: Take action according to the message that has the same tid and that was output immediately before this message. When the message is displayed in the standard error output file or error window: If a message was output before or after this message, take action according to that message. One of the following is displayed in *automatic-refreshing-type*: • Server Start: Automatic refreshing that is performed when the Tiered Storage Manager server starts • Schedule: Automatic refreshing that is performed on a schedule • Subsystem Refreshed: Automatic refreshing that is performed when Device Manager detects a refreshed subsystem • Upgrade Refresh: Automatic refreshing that is performed after an upgrade *Action* -
KATS51405-E	The Tiered Storage Manager server cannot be started because the version of Device Manager is incorrect. Device Manager version 5.1 or higher is necessary to use automatic refresh via Device Manager subsystem refresh detection; however, version *V.R*) is being used. In order to disable this function, specify 0 for the server.repository.autoRefresh.pollingIntervalInMinute property of the Tiered Storage Manager server.properties file, and then	*Cause* An attempt was made to use a function supported by restricted versions of Device Manager. *Action* To enable automatic refreshing that is performed when Device Manager detects a refreshed subsystem, upgrade Device Manager. To disable this function, specify 0 in the `server.repository.autoRefresh.pollingIntervalInMinute` property of the `server.properties` file in Tiered

Message ID	Message Text	Description
	start Tiered Storage Manager again.	Storage Manager, and then restart Tiered Storage Manager.
KATS51406-I	A refresh of the Storage Domain is required due to an upgrade of the Tiered Storage Manager server or due to a repository restoration. The refresh status of the Storage Domain was changed to "Not Initialized". (Storage Domain name: *storage-domain-name*, storage subsystem name: *refresh-status-change-date-and-time*, previous refresh status: *storage-domain-name-before-change*)	*Cause* Due to an upgrade of the Tiered Storage Manager server or a restoration of the repository, it is necessary to refresh the domains created in the old repository. One of the following is displayed in *refresh-status-before-change*: • NotInitialized • Processing • Success • Failure • Incomplete *Action* If the storage domain's automatic refresh function is used after upgrading the Tiered Storage Manager server, wait for the automatic refresh to complete. In all other cases, perform a manual refresh of the storage domain.
KATS51407-E	The refresh of the Storage Domain was not able to be executed. The refresh status has not changed. (Storage Domain name: *storage-domain-name*, error occurred time: *error-occurred-time*, refresh status: *refresh-status*)	*Cause* The storage subsystem might be down, or a network error might have occurred. One of the following is displayed in *refresh-status*: • NotInitialized • Processing • Success • Failure • Incomplete *Action* Make sure that the storage subsystem and network are operating normally.
KATS51408-I	A Storage Domain refresh was required by an upgrade of the Tiered Storage Manager server or a repository restoration. (Storage Domain name: *storage-domain-name*)	*Cause* Due to an upgrade of the Tiered Storage Manager server or a restoration of the repository, it is necessary to refresh the domains created in the old repository. *Action* If the storage domain's automatic refresh function is used after upgrading the Tiered Storage Manager server, wait for the automatic refresh

Message ID	Message Text	Description
		to complete. In all other cases, perform a manual refresh of the storage domain.
KATS51500-I	A request to update operation-volume information was received. (storage domain name: *storage-domain-name*)	*Cause* - *Action* -
KATS51501-I	Updating of the operation-volume information started. (storage domain name: *storage-domain-name*)	*Cause* - *Action* -
KATS51502-I	Updating of the operation-volume information finished. (storage domain name: *storage-domain-name*)	*Cause* - *Action* -
KATS51503-E	Updating of the operation-volume information failed. (storage domain name: *storage-domain-name*)	*Cause* When this message (KATS51503-E) is displayed in the message log: See the message that has the same thread ID and was output immediately before this message. When this message (KATS51503-E) is displayed in the standard error output file or error window: If a message is output before or after this message, see that message. *Action* When this message (KATS51503-E) is displayed in the message log: Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support. When this message (KATS51503-E) is displayed in the standard error output file or error window: If a message is output before or after this message, take appropriate action according to that message. If a message is not output before or after this message, retry the operation. If you still cannot resolve the problem,

Message ID	Message Text	Description
		collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS51504-E	The operation-volume information cannot be updated because a refresh is already in progress. After the refresh is complete, perform updating of the operation-volume information again. (storage domain name: *storage-domain-name*)	*Cause* A storage domain exists in which a refresh of the cache is already in progress. *Action* After the refresh is complete, update the operation-volume information again.
KATS51505-E	The repository data of the specified volume in Tiered Storage Manager does not match the data in Device Manager. Refresh the storage domain. (storage domain name: *storage-domain-name*)	*Cause* For the specified volume, the Tiered Storage Manager repository information and Device Manager repository information do not match. *Action* Refresh the storage domain.
KATS51506-E	An attempt to change the refresh status failed. (storage domain name: *storage-domain-name*)	*Cause* An attempt to change the refresh status failed. *Action* Refresh the storage domain.

KATS60000 - KATS69999

The following table describes messages KATS60000 to KATS69999, which are related to the Tiered Storage Manager server.

Table 2-29 KATS60000 - KATS69999 (messages related to the Tiered Storage Manager server)

Message ID	Message Text	Description
KATS60000-E	An unexpected internal error occurred during operation of the Common Component repository.	*Cause* An unexpected internal error occurred during the Common Component operation. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60001-E	A communication error occurred during login to Common Component.	*Cause* Either Common Component is not running, or an abnormality might have occurred somewhere on the communication path.

Message ID	Message Text	Description
		Action Make sure that Common Component is running, and then try again.
KATS60002-E	An attempt to login to Common Component has failed. Application *Application-name* cannot login.	*Cause* The application is not registered in Common Component. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60003-E	Authentication failed during login to Common Component. UserID: *User-ID*	*Cause* An internal error occurred during Tiered Storage Manager startup. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60004-E	An error occurred in Common Component during login to Common Component.	*Cause* A critical error might have occurred in the Common Component process. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60005-E	An unexpected error occurred during login to Common Component.	*Cause* An unexpected error was returned from Common Component. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60010-E	An unexpected error occurred during operation of the Common Component repository. (CIM error: *CIM-error*, description: *description*)	*Cause* A critical error might have occurred in the Common Component process. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60011-E	An exception occurred during an update of the Common Component repository. (info: *info*)	*Cause* A critical error might have occurred in the Common Component process. *Action*

Message ID	Message Text	Description
		Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60012-E	An internal error occurred during an update of the Common Component repository. (info: *info*)	*Cause* A critical error might have occurred in the Common Component process. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60013-E	An error occurred while connecting to the Common Component repository.	*Cause* A critical error might have occurred in the Common Component process. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60020-E	An internal error occurred during determination of the startup state. (info: *info*)	*Cause* When determining the startup status, a critical error might have occurred in the Common Component process. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60021-E	An error occurred while checking the version during determination of the startup status. (repository version: *repository-version:* , version of program: *version-of-program*)	*Cause* Invalid recovery processing might have been performed for the repository for Common Component. *Action* Check the repository operation for Common Component. If there is no problem, collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS60022-E	The Common Component repository has an invalid status. (version of program: *version-of-program*)	*Cause* Invalid recovery processing might have been performed on the Common Component repository. *Action* Install Tiered Storage Manager with the version displayed in the message, and then recover the repository.

Message ID	Message Text	Description
KATS60023-E	Version information for the Common Component repository does not exist.	*Cause* The recovery processing performed in the Common Component repository might be incorrect. *Action* Uninstall and then reinstall the Tiered Storage Manager.
KATS60030-E	The URL information for the Tiered Storage Manager server is not set in the Common Component repository.	*Cause* The recovery processing performed in the Common Component repository might be incorrect. *Action* Uninstall and then reinstall the Tiered Storage Manager.
KATS60031-E	The URL information for the Tiered Storage Manager server, which is set in the Common Component repository, is invalid. (setting value: *value-of-URL-information-set-in-the-Common-Component-repository*)	*Cause* The value for the URL information of the Tiered Storage Manager server set in the Common Component repository is not correct. The format of the IP address entered during installation for the Tiered Storage Manager server might be invalid. *Action* Execute the `hcmdschgurl` command, and reset the URL information for the Tiered Storage Manager server. For details on the `hcmdschgurl` command, see the *Hitachi Command Suite Administrator Guide*. If the IP address for the Tiered Storage Manager server is an IPv6 address, enclose the address in square brackets (`[ ]`). (Example: `[2001:fecd:ba23:cd1f:dcb1:1010:9234:4088]`)
KATS61001-E	An attempt to initialize the database functionality has failed.	*Cause* An attempt to read the database definition information has failed. *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61002-E	An attempt to connect to the database has failed.	*Cause* Communication with the database might have failed, the number of

Message ID	Message Text	Description
		simultaneous connections might have been exceeded, or the database might not be running. *Action* Check the network status, and then try again. If this error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61003-E	Database resources are insufficient.	*Cause* A resource shortage occurred in the database. *Action* Retry the operation. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61004-E	Processing to access the database timed out.	*Cause* A timeout occurred during access processing to access the database. Possible causes are as follows: • Multiple operations are being performed concurrently for Tiered Storage Manager. • During a refresh operation for a storage domain, an operation that increases the load on Tiered Storage Manager is being performed. • The performance of the machine environment of the management server on which the Tiered Storage Manager server is running has deteriorated. • Affected by other applications, the CPU load and I/O load have become higher on the computer where the Tiered Storage Manager server is running. • The Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager (such as the number of volumes in a migration group) have been exceeded. In the above cases, the response time of Tiered Storage Manager operations increases. This error occurs because

Message ID	Message Text	Description
		processing is temporarily delayed due to heavy access. *Action* Take one or more of the following actions, as appropriate, and then retry the operation. • If this message appears when there are multiple storage domains and an attempt was made to refresh all the storage domains from CLI, make sure that the refresh processing has finished, and then refresh the storage domains one by one. • If the Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager have been exceeded, reduce these values. For details on the values guaranteed by Tiered Storage Manager, see the *Hitachi Command Suite User Guide*. • For details on the machine environment of the management server that is required to run the Tiered Storage Manager server, see the *Hitachi Command Suite Administrator Guide*. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61005-E	Processing cannot be executed temporarily because of heavy traffic. Wait a while, and then try again.	*Cause* Possible causes are as follows: • Multiple operations are being performed concurrently for Tiered Storage Manager. • During a refresh operation for a storage domain, an operation that increases the load on Tiered Storage Manager is being performed. • The performance of the machine environment of the management server on which the Tiered Storage Manager server is running has deteriorated. • Affected by other applications, the CPU load and I/O load have become higher on the computer where the Tiered Storage Manager server is running.

Message ID	Message Text	Description
		• The Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager (such as the number of volumes in a migration group) have been exceeded. In the above cases, the response time of Tiered Storage Manager operations increases. This error occurs because processing is temporarily delayed due to heavy access. *Action* Take one or more of the following actions, as appropriate, and then retry the operation. • If this message appears when there are multiple storage domains and an attempt was made to refresh all the storage domains from CLI, refresh the storage domains one by one. • If the Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager have been exceeded, reduce these values. For details on the values guaranteed by Tiered Storage Manager, see the *Hitachi Command Suite User Guide*. • For details on the machine environment of the management server that is required to run the Tiered Storage Manager server, see the *Hitachi Command Suite Administrator Guide*. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61006-E	A database error occurred.	*Cause* An error occurred in the database. An internal error might have occurred in the database, or a problem might exist in the database environment. *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.

Message ID	Message Text	Description
KATS61007-E	A database inconsistency was detected when the database was updated.	*Cause* The data stored in the database might not be the most recent data. *Action* If this error occurs during an operation for a storage domain, refresh the storage domain, and then check the storage domain information. In all other cases, retry the operation. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61008-E	Processing cannot be executed because the specified search condition is too long.	*Cause* A search cannot be performed because the length of the entered search condition exceeds the database limit. *Action* Specify a shorter search condition, and then retry the search.
KATS61011-E	An attempt to commit a database transaction has failed.	*Cause* An error occurred during a commit in the database. *Action* Retry the operation. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61012-E	An attempt to roll back a database transaction has failed.	*Cause* An error occurred in the database during a rollback. *Action* Retry the operation. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61015-E	An error occurred in the database.	*Cause* An error, for which recovery is required, occurred in the database. *Action* The database must be restored. Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61016-E	Database capacity is insufficient.	*Cause* The database capacity is insufficient.

Message ID	Message Text	Description
		Action Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61017-E	An unspecified database error occurred.	*Cause* A database error, for which the cause cannot be identified, occurred in the database. *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61018-E	An attempt to execute the command for releasing free pages from the index has failed. However, the database can be accessed.	*Cause* An attempt to execute the command for releasing free pages of the index has failed. *Action* If this error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61019-E	The database version is invalid.	*Cause* The database might have been invalidly restored. *Action* Check the recovery processing for the database. If there is no problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61020-I	The update of the Tiered Storage Manager server database has started. (info: *info*)	*Cause* - *Action* -
KATS61021-I	The update of the Tiered Storage Manager server database has completed.	*Cause* - *Action* -
KATS61022-E	An attempt to update the Tiered Storage Manager server database has failed. (info: *info*)	*Cause* An attempt to update the database has failed. *Action* See the message output immediately prior to this message, and then take corrective action. If a message is not

Message ID	Message Text	Description
		output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS61023-E	Tiered Storage Manager access to DB is blocked. Problem is detected in Common Component. Call server administrator.	*Cause* The Common Component database is blocked. *Action* Collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and then contact customer support.
KATS61024-E	Tiered Storage Manager access to DB is blocked. Problem is detected in Device Manager database. Call server administrator.	*Cause* The Device Manager database is blocked. *Action* Collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and then contact customer support.
KATS61025-E	Tiered Storage Manager access to DB is blocked. Problem is detected in Tiered Storage Manager database. Call server administrator.	*Cause* The Tiered Storage Manager database is blocked. *Action* Collect the maintenance information for Tiered Storage Manager, Device Manager, and Common Component, and then contact customer support.
KATS61026-E	An attempt to execute the command that checks whether the database is blocked has failed. (return code: *error-code*, contents: *error-details*)	*Cause* The command for checking whether the database is blocked caused the error. *Action* If rc is 8: Remove the cause of the error by referring to *error-details* in the error message, and then reload the login window. If rc is 12: Collect the maintenance information for Common Component, and then contact customer support.
KATS61102-E	An error occurred during database processing.	*Cause* An error occurred during database processing. *Action*

Message ID	Message Text	Description
		Retry the operation. If the error occurs repeatedly, collect the Tiered Storage Manager maintenance information, and then contact customer support.
KATS61103-E	An error occurred during Device Manager server processing. (details = "*error-information*")	*Cause* See the description for the applicable error message in the *Hitachi Command Suite Messages Guide*. *Action* See the action for the applicable error message in the *Hitachi Command Suite Messages Guide*. If you cannot resolve the problem by referring to the message, and then retry the operation. If this error occurs repeatedly, collect the Tiered Storage Manager and Device Manager maintenance information, and then contact customer support.
KATS61191-E	An unexpected exception occurred during authentication processing.	*Cause* An error occurred while a user was logging in to Common Component. *Action* Collect the Tiered Storage Manager, Device Manager, and Common Component maintenance information, and then contact customer support.
KATS61192-E	An unexpected exception occurred during database processing.	*Cause* An error occurred during database processing. *Action* Collect the Tiered Storage Manager, Device Manager, and Common Component maintenance information, and then contact customer support.
KATS61193-E	An unexpected exception occurred during Device Manager server processing.	*Cause* An error occurred during Device Manager server processing. *Action* Collect the Tiered Storage Manager, Device Manager, and Common Component maintenance information, and then contact customer support.
KATS61852-I	Migration of the Tiered Storage Manager server database has started. (information = "*info*")	*Cause* - *Action* -

Message ID	Message Text	Description
KATS61853-I	Migration of the Tiered Storage Manager server database has completed.	*Cause* - *Action* -
KATS61854-E	An attempt to migrate the Tiered Storage Manager server database has failed. (information = "*info*")	*Cause* An error occurred while migrating the database. *Action* See the message output immediately prior to this message, and then take corrective action accordingly. If a message was not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the Tiered Storage Manager maintenance information, and then contact customer support.
KATS61855-E	An error occurred during creation of the file to which migration information is output. (file name = "*file-name*")	*Cause* Possible causes are as follows: • You do not have permission to access the Tiered Storage Manager installation folder. • The drive where Tiered Storage Manager is installed does not have enough free space. *Action* Retry the operation as a user with access permission to the Tiered Storage Manager installation folder. Alternatively, grant the current user access permission. If there is not enough free space on the drive where Tiered Storage Manager is installed, allocate free space as needed. If you still cannot resolve the problem, collect the Tiered Storage Manager maintenance information, and then contact customer support.
KATS61901-E	One or more storage tiers cannot be migrated because unsupported search conditions are specified for the storage tiers. (storage domain name = "*storage-domain-name*", storage tier names = *storage-tier-name1,storage-tier-name2, ... ,storage-tier-nameN*, storage tier	*Cause* One or more of the search conditions for the displayed storage tier or tiers are not supported. *Action* Check the content of the storage tier information file. If the storage tier or tiers that could not be migrated are needed, remove the unsupported

Message ID	Message Text	Description
	information file name = "*storage-tier-information-file-name*")	search conditions, and then create the storage tier or tiers.
KATS61902-E	One or more storage tiers cannot be migrated because the storage system corresponding to the storage tiers is not registered. (storage domain name = "*storage-domain-name*", storage tier names = *storage-tier-name1,storage-tier-name2, ... ,storage-tier-nameN*, storage tier information file name = "*storage-tier-information-file-name*")	*Cause* The storage system corresponding to the displayed storage tier or tiers is not registered. *Action* Check the content of the storage tier information file. If the storage tier or tiers that could not be migrated are needed, register the corresponding storage system, and then create the storage tier or tiers.
KATS61903-E	An attempt to migrate one or more storage tiers has failed. (storage domain name = "*storage-domain-name*", storage tier names = *storage-tier-name1,storage-tier-name2, ... ,storage-tier-nameN*, storage tier information file name = "*storage-tier-information-file-name*")	*Cause* One or more storage tiers could not be migrated because an error occurred during the migration of the displayed storage tier or tiers. *Action* Check the content of the storage tier information file. If the storage tier or tiers that could not be migrated are needed, create the storage tier or tiers.
KATS62001-E	An attempt at authentication for the Device Manager Server has failed.	*Cause* For Device Manager 5.9 or later: Authentication for Device Manager has failed. For a Device Manager version earlier than 5.9: Possible causes are as follows: • The user ID or password specified during installation is invalid. • The account for the user ID specified during installation is locked. *Action* For Device Manager 5.9 or later: If the error cannot be resolved, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. For a Device Manager version earlier than 5.9: • Specify a valid user ID or password, and then log on again.

Message ID	Message Text	Description
		• Use the common user management function to unlock the account for the user ID, and then restart the Tiered Storage Manager server.
KATS62002-E	An attempt to connect to Device Manager has failed.	*Cause* Possible causes are as follows: • The settings for the `devicemanager.properties` file are incorrect. • Either Device Manager Server has stopped, or an error occurred on the communication path to Device Manager Server. • An internal program error occurred. *Action* If Device Manager Server is stopped, start Device Manager Server and then restart Tiered Storage Manager. If Device Manager Server is running, re-examine the communication path to Device Manager. Check the settings for the `devicemanager.properties` file. If the error cannot be resolved, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS62003-E	The Device Manager Server XML API version *Device-Manager-Server-XML-API-version* is not supported.	*Cause* The version of the Device Manager Server that is currently running is not a supported version. *Action* Replace it with a supported version of Device Manager Server. The supported versions for Device Manager are 5.0 or later.
KATS62004-E	The connection to Device Manager timed out.	*Cause* Possible causes are as follows: An error might have occurred on the communication path. The value specified for the `hdvm.timeout` file is inappropriate. If the following conditions exist, processing time might be excessive due to an increase in the load on the management server on which the Tiered Storage Manager server is running.

Message ID	Message Text	Description
		• Multiple operations are being performed concurrently for Tiered Storage Manager. • During a refresh operation for a storage domain, an operation that increases the load on Tiered Storage Manager is being performed. • The performance of the machine environment of the management server on which the Tiered Storage Manager server is running has deteriorated. • A task that increases the load is being performed on the Device Manager server, or access is heavy. • Affected by other applications, the CPU load and I/O load have become higher on the computer where the Tiered Storage Manager server is running. • The Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager (such as the number of volumes in a migration group) have been exceeded. *Action* Take one or more of the following actions, as appropriate: Check the communication path to Device Manager Server. If the value for the `hdvm.timeout` file has been changed to a value other than the default (0), return the value to the default or respecify an appropriate value. If processing time is excessive due to heavy traffic, try again when the traffic is light. If the load on the management server on which the Tiered Storage Manager server is running is high, check the following: • If this message appears when there are multiple storage domains and an attempt was made to refresh all the storage domains from CLI, refresh the storage domains one by one.

Message ID	Message Text	Description
		• If the Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager have been exceeded, reduce these values. For details on the values guaranteed by Tiered Storage Manager, see the *Hitachi Command Suite User Guide*. • For details on the machine environment of the management server that is required to run the Tiered Storage Manager server, see the *Hitachi Command Suite Administrator Guide*. If the error occurs repeatedly, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS62010-E	An error was detected in Device Manager. (code: *error-code*, contents: *contents*)	*Cause* See the description for the applicable error message in the chapter Messages with IDs beginning with KAIC on page 2-194, Messages with IDs beginning with KAIE on page 2-969, and Chapter 3, Alerts output by Device Manager on page 3-1. *Action* If you cannot resolve the problem by referring to the Device Manager message, refresh Tiered Storage Manager. If this error occurs repeatedly, collect the maintenance information for Tiered Storage Manager and Device Manager, and then contact customer support. This message includes message text that remains unchanged after being received from the Device Manager server. The language type for this part of the message is determined according to the locale of the machine where the Device Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS62011-E	An error was detected in the storage subsystem. (code: *error-code*, contents: *contents*)	*Cause* See the description for the applicable error message in the chapter Chapter 5, Messages output by storage systems on page 5-1. *Action*

Message ID	Message Text	Description
		See the action column for the applicable error message in the chapter Chapter 5, Messages output by storage systems on page 5-1. If the configuration was changed, use Device Manager to refresh the storage subsystem where the error occurred, and then perform another refresh by using Tiered Storage Manager. If you want to contact customer support, collect the maintenance information for Tiered Storage Manager and Device Manager, as well as the error information on the storage subsystem side. When you collect the error information on the storage subsystem side, collect it as soon as possible after the error occurs. This message includes message text that remains unchanged after being received from the Device Manager server. The language type for this part of the message is determined according to the locale of the machine where the Device Manager server is running. Thus, we recommend that you match the language type for the GUI/CLI client to the locale on the server side.
KATS62012-E	The storage information could not be acquired because the specified storage subsystem was being reconfigured. (model: *model*, serial number: *serial-number*)	*Cause* The correct storage information could not be acquired because the configuration of the specified storage subsystem is being changed. *Action* Wait until the configuration of the relevant subsystem has been changed, and then retry.
KATS63000-I	Information will not be acquired from Tuning Manager because the connection destination is not specified.	*Cause* Information was not acquired from Tuning Manager because the connection destination is not specified in the property. *Action* To acquire information from Tuning Manager, specify the connection destination in the property. No corrective action is required if information will not be acquired from Tuning Manager.
KATS63010-E	An attempt to connect to Tuning Manager has failed.	*Cause* Possible causes are as follows:

Message ID	Message Text	Description
	(host name: "*host-name*", port number: *port-number*)	The server specified for the property might not exist on the network. Tuning Manager or Tuning Service might not be running on the displayed server. The processing request might have timed out because of heavy access to Tuning Manager on the displayed server. If the following conditions exist, processing time might be excessive due to an increase in the load on the management server on which the Tiered Storage Manager server is running. • Multiple operations are being performed concurrently for Tiered Storage Manager. • During a refresh operation for a storage domain, an operation that increases the load on Tiered Storage Manager is being performed. • The performance of the machine environment of the management server on which the Tiered Storage Manager server is running has deteriorated. • Affected by other applications, the CPU load and I/O load have become higher on the computer where the Tiered Storage Manager server is running. • The Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager (such as the number of volumes in a migration group) have been exceeded. • Tuning Manager on the displayed server might not be a prerequisite version. *Action* Take one or more of the following actions, as appropriate: Check the specified property value. Make sure that Tuning Manager or Tuning Service is running on the displayed server, and then try again. Check the status of access to Tuning Manager on the displayed server, and then retry the operation.

Message ID	Message Text	Description
		If the load on the management server on which the Tiered Storage Manager server is running is high, check the following: • If this message appears when there are multiple storage domains and an attempt was made to refresh all the storage domains from CLI, refresh the storage domains one by one. • If the Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager have been exceeded, reduce these values. For details on the values guaranteed by Tiered Storage Manager, see the *Hitachi Command Suite User Guide*. • For details on the machine environment of the management server that is required to run the Tiered Storage Manager server, see the *Hitachi Command Suite Administrator Guide*. • Check the version of Tuning Manager. If necessary, change Tuning Manager to a prerequisite version.
KATS63030-E	An error occurred in Tuning Manager while information was being acquired from it. (host name: *host-name*, port number: *port-number*, agent: *agent*, processing type: *processing-type*)	*Cause* Possible causes are as follows: The Tuning Manager agent might not be running. The processing request might have timed out because of heavy access to the displayed Tuning Manager agent. The version of the Tuning Manager agent may be old. A critical error might have occurred with Tuning Manager or Tuning Service when acquiring information from Tuning Manager. If the following conditions exist, processing time might be excessive due to an increase in the load on the management server on which the Tiered Storage Manager server is running. • Multiple operations are being performed concurrently for Tiered Storage Manager. • During a refresh operation for a storage domain, an operation that

Message ID	Message Text	Description
		increases the load on Tiered Storage Manager is being performed. • The performance of the machine environment of the management server on which the Tiered Storage Manager server is running has deteriorated. • Affected by other applications, the CPU load and I/O load have become higher on the computer where the Tiered Storage Manager server is running. • The Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager (such as the number of volumes in a migration group) have been exceeded. *Action* Take one or more of the following actions, as appropriate: Make sure that the Tuning Manager agent is running. Check the status of access to the displayed Tuning Manager agent, and then retry the operation. Check the version of the displayed Tuning Manager agent. If the load on the management server on which the Tiered Storage Manager server is running is high, check the following: • If this message appears when there are multiple storage domains and an attempt was made to refresh all the storage domains from CLI, refresh the storage domains one by one. • If the Tiered Storage Manager server is running in an environment where the values guaranteed by Tiered Storage Manager have been exceeded, reduce these values. For details on the values guaranteed by Tiered Storage Manager, see the *Hitachi Command Suite User Guide*. • For details on the machine environment of the management server that is required to run the Tiered Storage Manager server,

Message ID	Message Text	Description
		see the *Hitachi Command Suite Administrator Guide*. Collect the maintenance information for Tiered Storage Manager, Common Component, and Tuning Manager at the connection destination, and then contact customer support.
KATS63040-E	An attempt to read information acquired from Tuning Manager has failed. (info: *info*)	*Cause* An I/O error occurred when reading information acquired from Tuning Manager. *Action* See the information displayed in the message, and then take corrective action. Then, execute the operation again.
KATS63090-E	Tiered Storage Manager cannot connect to Tuning Manager because the Tuning Manager version is not compatible with this version of Tiered Storage Manager. (host name = "*host-name*", port number = "*port-number*")	*Cause* The displayed Tuning Manager server cannot connect to the current version of Tiered Storage Manager. *Action* Check the version of Tuning Manager installed on the displayed server. If necessary, change Tiered Storage Manager to a version that can connect to the version of Tuning Manager on the displayed server. The Linux version of Tuning Manager cannot be connected because of the unspport.
KATS63101-E	A property file does not exist. (property file name: *property-file-name*)	*Cause* The property file does not exist, or you do not have access permission for the property file. *Action* Make sure that the displayed property file exists in the `conf` directory under the Tiered Storage Manager installation directory, or that you have access permission for the displayed property file.
KATS63102-E	This property key is invalid. Reading of the property file will now stop. (property file name: *property-file-name*, property key: *property-key-name*)	*Cause* An invalid property key is specified. *Action* Specify the correct property key.
KATS63103-E	A property value is invalid. Reading of the property file will now stop. (property file name: *property-file-name*, property key: *property-key-name*)	*Cause* The specified property value is invalid. *Action* Specify the correct property key.

Message ID	Message Text	Description
KATS63104-E	A required property key is not specified. (property file name: *property-file-name*, property key: *property-key-name*)	*Cause* The required property key is not specified. *Action* Specify the property key displayed in the message, or review the value specified for a property key related to the displayed property key.
KATS63105-E	The specification of Tuning Manager server information is duplicated. (property file name: *property-file-name*)	*Cause* The specification of Tuning Manager server information (the host names or IP addresses) is duplicated. *Action* Confirm the contents of the property file displayed, and then correct the Tuning Manager server information that contains the duplicated host names or IP addresses.
KATS63110-E	The table listing the Tuning Manager agents and corresponding storage subsystems (both managed by Tiered Storage Manager) cannot be accessed, because the table is now being updated by refresh processing of another storage domain.	*Cause* The table listing the Tuning Manager agents and corresponding storage subsystems, which are managed by the Tiered Storage Manager repository, cannot be accessed, because the table is being updated by the refresh processing of a separate storage domain. *Action* If a separate storage domain is currently being refreshed, wait a while and then execute the operation again. If a separate storage domain is not currently being refreshed, restart the server and then execute the operation again.
KATS63201-E	The HP-PA CLI cannot be executed in the current environment. Confirm that the HP-PA CLI is installed correctly and that the environment settings are configured correctly. (executed HP-PA CLI: *executed-HP-PA-CLI*)	*Cause* This environment does not allow the execution of the HP-PA CLI. *Action* Make sure that the environment is set up correctly. For example, make sure that the HP-PA CLI is installed correctly, that the CLI directory path is specified correctly, and that the property values are specified correctly.
KATS63202-E	An error occurred during execution of the HP-PA CLI. Remove the cause of the error, which is shown by the HP-PA CLI below, and then refresh	*Cause* An error occurred in the HP-PA CLI. *Action*

Message ID	Message Text	Description
	Tiered Storage Manager again. (error cause shown by the HP-PA CLI: *error cause-shown-by-the-HP-PA-CLI*)	Make sure that the HP-PA CLI environment is correct, remove the cause of the error shown by the HP-PA CLI, and then refresh Tiered Storage Manager again.
KATS63203-E	The maximum period of time allowed for an HP-PA CLI response was exceeded. Check the status of the HP-PA server, and then, when the HP-PA server load is light, refresh Tiered Storage Manager again.	*Cause* The maximum waiting time allowed for an HP-PA CLI response was exceeded. *Action* Check the status of the HP-PA server, and then, when the server load is light, refresh Tiered Storage Manager again.
KATS63204-E	An HP-PA CLI result is invalid.	*Cause* An HP-PA CLI result is invalid. *Action* Make sure the HP-PA CLI environment is correct, and then refresh Tiered Storage Manager. If the same error occurs again, collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS63205-E	The HP-PA CLI version is not supported. Upgrade the CLI to a supported version, and then refresh Tiered Storage Manager again.	*Cause* The HP-PA CLI version is not supported. *Action* Upgrade the HP-PA CLI to a supported version, and then refresh Tiered Storage Manager.
KATS63206-W	The HP-PA server and Tiered Storage Manager configuration information do not match. Make sure that the HP-PA server and HTSM configuration information is up to date. To update the configuration information, refresh Tiered Storage Manager. (mismatched item: *subsystem-or-array-group*, DKC number of the subsystem from which Tiered Storage Manager attempted to acquire information: *DKC-number*, array group number of the subsystem from which Tiered Storage Manager attempted to acquire information: *array-group-number*)	*Cause* The Tiered Manager server subsystem or subsystem array group that is displayed in the message is not recognized by the HP-PA server. *Action* Update this configuration information by refreshing Tiered Storage Manager.

Message ID	Message Text	Description
KATS63207-E	The HP-PA CLI process was canceled by other processing.	*Cause* The process was canceled by other processing. *Action* Check the processing status, and then refresh Tiered Storage Manager.
KATS63910-E	An unexpected exception occurred while a request message for Tuning Manager was being created.	*Cause* An internal error might have occurred in Tiered Storage Manager. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS63920-E	An unexpected exception occurred during a connection to Tuning Manager.	*Cause* An internal error might have occurred in Tiered Storage Manager. *Action* Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS63930-E	An unexpected exception occurred while information acquired from Tuning Manager was being read. (host name: *host-name*, port number: *port-number*)	*Cause* The information acquired from Tuning Manager might contain invalid information. *Action* Collect the maintenance information for Tiered Storage Manager, Common Component, and Tuning Manager at the connection destination, and then contact customer support.
KATS63931-E	An unexpected exception occurred during acquisition of Tuning Manager information. (host name = "*host-name*", port number = "*port-number*")	*Cause* Information acquired from Tuning Manager might be invalid. *Cause* Collect the Tiered Storage Manager, Device Manager, and Common Component maintenance information, and then contact customer support.
KATS63940-E	An unexpected error occurred during the send processing of the HP-PA CLI. (information: *information*)	*Cause* An internal error might have occurred in Tiered Storage Manager. *Action* Collect the maintenance information for Tiered Storage Manager and

Message ID	Message Text	Description
		Common Component, and then contact customer support.
KATS68001-E	A type *error-type-code* error occurred during output to the log. (log type: *log-type*)	*Cause* An attempt to write to the log file has failed. The contents indicated in *error-type-code* and their meanings are as follows: • I/O: I/O processing to the log file has failed. • 1: An attempt to output an event log has failed. • 2: An attempt to output a program product-specific trace log has failed. • 3: An attempt to output an integrated log trace has failed. • 4: The internal parameter is null. • 5: The internal parameter is invalid. • 6: An attempt to output multiple logs has failed. Text indicated in kind of log: *kind-of-log* and their meanings are as follows: • Server Message Log: Tiered Storage Manager server message log • Server Trace Log: Tiered Storage Manager server trace log • GUI Message Log: Tiered Storage Manager GUI message log • GUI Trace Log: Tiered Storage Manager GUI trace log *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68002-E	A type *error-type-code* error occurred during initialization of the log. (log type: *log-type*)	*Cause* An attempt to create or write to a log file failed during log initialization. The contents indicated in *error-type-code* and their meanings are as follows: • I/O: I/O processing to the file has failed. • 1: The internal parameter is null. • 2: The internal parameter is invalid.

Message ID	Message Text	Description
		• 3: An attempt to access the version file has failed. • 4: The initial settings were cancelled due to other reasons. Text indicated in kind of log: *kind-of-log* and their meanings are as follows: • Server Message Log: Tiered Storage Manager server message log • Server Trace Log: Tiered Storage Manager server trace log • GUI Message Log: Tiered Storage Manager GUI message log GUI Trace Log: Tiered Storage Manager GUI trace log *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68003-E	Creation of the log output destination directory (*log-output-destination-directory*) was not permitted.	*Cause* Permissions are lacking to create a directory. Alternatively, there is not enough free space on the disk for the log output destination. *Action* Perform the operation again as a user with permissions to create a directory. Alternatively, grant the current user directory creation permissions, and then start the operation. If there is not enough free space on the disk for the log output destination, allocate enough free space or change the log output destination to a disk that has enough free space. Then retry the operation.
KATS68004-E	An internal error occurred while modifying the log output threshold of *log-type-name*. (internal error code: *internal-error-code*)	*Cause* An internal error occurred while the log output threshold value was being changed. Text indicated in *log-type* and their meanings are as follows: • Server Message Log: Tiered Storage Manager server message log • Server Trace Log: Tiered Storage Manager server trace log • GUI Message Log: Tiered Storage Manager GUI message log

Message ID	Message Text	Description
		GUI Trace Log: Tiered Storage Manager GUI trace log *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68005-E	The user does not have permission to modify the log output threshold. The Admin permission is necessary.	*Cause* The currently logged-in user does not have Admin permissions for Tiered Storage Manager. *Action* Perform the operation as a user with Admin permissions for Tiered Storage Manager.
KATS68006-E	An error occurred while outputting to the event log or syslog.	*Cause* An attempt to write to Event/syslog has failed. *Action* If the application log of the event log is full, either extend it or enable overwriting for it. If it is write enabled, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68007-E	An error occurred while outputting to the log. (kind of log: *kind-of-log*, message ID: *message-ID-for-message-for-which-output-failed*)	*Cause* An attempt to write to the log file has failed. Text indicated in kind of log: *kind-of-log* and their meanings are as follows: • Server Message Log: Tiered Storage Manager server message log • Server Trace Log: Tiered Storage Manager server trace log • GUI Message Log: Tiered Storage Manager GUI message log GUI Trace Log: Tiered Storage Manager GUI trace log *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68008-E	An attempt to change the log output threshold has failed.	*Cause* An error occurred while the log output threshold value was being changed. *Action* Take action in accordance with the message that has the same thread ID

Message ID	Message Text	Description
		and was output immediately before this message. If a message that has the same thread ID is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68009-E	An attempt to acquire the log output threshold has failed.	*Cause* An error occurred while the log output threshold value was being acquired. *Action* Take action in accordance with the message that has the same thread ID and was output immediately before this message. If a message that has the same thread ID is not output immediately before this message, retry the operation. If you still cannot resolve the problem, collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68010-I	The log output threshold was changed. (output threshold of the message log: *output-threshold-of-the-message-log*, output threshold of the trace log: *output-threshold-of-the-trace-log*)	*Cause* - *Action* -
KATS68020-E	You cannot login because authentication failed or you do not have login permission.	*Cause* Possible causes are as follows: • The user ID or password is invalid. • You do not have permission to log in to Tiered Storage Manager. If KATS68045-E is output immediately after this error occurs, there is a problem with the user ID that has been set to connect with Device Manager Server. For more information, see the Cause and Action sections for KATS68045-E. *Action* Enter a valid user ID, and password, with permission to log in to Tiered Storage Manager.
KATS68021-E	Login has failed. Please try again.	*Cause* The authentication information is invalid. *Action*

Message ID	Message Text	Description
		Log in again.
KATS68022-E	An internal error occurred during authentication processing.	*Cause* An internal error might occur in the Tiered Storage Manager or Common Component. The possible causes are as follows: • Tiered Storage Manager or Device Manager is not registered in Common Component. • The repository of Common Component stops. *Action* Collect the maintenance information of Tiered Storage Manager and Common Component, and then contact customer support.
KATS68023-E	You do not have login permissions for Tiered Storage Manager.	*Cause* You do not have permission to log in to Tiered Storage Manager. *Action* Take either of the following corrective actions: • Log in with a user ID with permission to access Tiered Storage Manager. • Using the common user management function, grant the user ID permissions to access Tiered Storage Manager.
KATS68024-E	An error occurred during authentication processing.	*Cause* An error occurred while a user was logging in to Common Component. Common Component might not be running, or an error might have occurred in the communication path. If you are using the external authentication server linkage function, communication with the external authentication server might have failed. *Action* If you are using the external authentication server linkage function, take the following action: If the external authentication server is LDAP: 1. By using the host, port, and protocol set in "`exauth.properties`", check whether the authentication server

Message ID	Message Text	Description
		can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the `hcmdsldapuser` command, check that the information for the server names specified in the "`auth.server.name`" attribute in "`exauth.properties`" is registered. 3. If StartTLS is used, check the SSL settings. 4. If you cannot resolve the problem, collect maintenance information for Tiered Storage Manager and Common Component, and then contact customer support. If the external authentication server is RADIUS: 1. By using the host, port, and protocol set in "`exauth.properties`", check whether the authentication server can be accessed, the settings of the external authentication server, and the status of the network. 2. By using the `hcmdsradiussecret` command, check that the information for the server names specified in the "`auth.server.name`" attribute in "`exauth.properties`" is registered. 3. If you cannot resolve the problem, collect maintenance information for Tiered Storage Manager and Common Component, and then contact customer support. If you are not using the external authentication server linkage function, make sure that Common Component is running, and then retry. If the error still occurs when you retry, collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS68025-E	In Device Manager you do not have the Modify permission for the user ID that is set for the connection with the Device Manager server.	*Cause* Possible causes are as follows: • You do not have the Modify permission for the user ID that is set for the connection with the Device Manager server and is

Message ID	Message Text	Description
		specified during installation or by the `htsmmodhdvmuser` command for changing the user information. • The user ID specified during installation or by the `htsmmodhdvmuser` command is invalid. • In the common user management function, permission is not set for the user ID specified during installation or by the `htsmmodhdvmuser` command, or the user ID might have been changed. *Action* Make sure that the user ID that was specified during installation or by the `htsmmodhdvmuser` command is valid. Next, either use the command for changing the user information to specify the correct user ID and password for Modify permission of the Device Manager, or use the common user management function to grant Modify permission of the Device Manager to the appropriate user.
KATS68026-E	The "All Resources" resource group has not been allocated to the user ID that is set for the connection with the Device Manager server.	*Cause* The "All Resources" resource group for the Device Manager has not been assigned for the "User ID for Device Manager server connection" set at installation or by using the user information modify command (`htsmmodhdvmuser`). The following are possible causes: • There is an error in the user ID set at installation or with the user information modify command (`htsmmodhdvmuser`). • Either the "All Resources" resource group for the Device Manager has not been assigned for the user, or the resource group has been changed. *Action* Take the following actions, and then restart the Tiered Storage Manager server. • Make sure the user ID set at installation or by using the user information modify command (`htsmmodhdvmuser`) is correct. If it

Message ID	Message Text	Description
		is not correct, use the user information modify command to get modification permissions for the Device Manager and set the correct user ID and password assigned to the "All Resources" resource group. • If the user does not have modification permissions for the Device Manager, use common user management functions to assign modification permissions for the Device Manager. • If the user has not been assigned the "All Resources" resource group for the Device Manager, use the function for assigning the resource groups for the Device Manager to assign the "All Resources" resource group.
KATS68040-E	The user information for Device Manager could not be acquired.	*Cause* For Device Manager 5.9 or later: An attempt to connect to Device Manager has failed. For a Device Manager version earlier than 5.9: The Device Manager user might not be registered in Tiered Storage Manager. *Action* Collect the maintenance information for Tiered Storage Manager, and then contact customer support.
KATS68042-E	An attempt to set the connection destination for Common Component has failed.	*Cause* The values specified for the `server.base.ipaddress` and `server.base.port` files might be incorrect. *Action* Check the values specified for the `server.base.ipaddress` and `server.base.port` files. If the values are correct, collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS68043-E	An attempt to set the installation destination for Common Component has failed.	*Cause* An internal error occurred during Tiered Storage Manager startup. *Action*

Message ID	Message Text	Description
		Collect the maintenance information for Tiered Storage Manager and Common Component, and then contact customer support.
KATS68044-E	The value set for the *property-name* property is invalid.	*Cause* The settings for the property are invalid. *Action* Specify the settings correctly for the property.
KATS68045-E	The user ID or password set for the connection with the Device Manager server is invalid.	*Cause* For Device Manager 5.9 or later: An attempt to connect to Device Manager has failed. For a Device Manager version earlier than 5.9: Possible causes are as follows: • The user ID is not registered in the common user management function. • The password does not match the password registered in the common user manager function. • The account for the user ID is locked. • The user ID does not have login permissions for Device Manager. • The value that was specified during installation or in the command for changing user information is invalid. Alternatively, the user might have been deleted by the common user manager function, or the password or permissions might have been changed. *Action* For Device Manager 5.9 or later: Obtain maintenance information for Tiered Storage Manager, and then contact customer support. For a Device Manager version earlier than 5.9: Make sure that the conditions of the causes do not apply to the user ID and password that was specified during installation or by the `htsmmodhdvmuser` command. After checking, if necessary, specify the correct user ID and password by using the

Message ID	Message Text	Description
		`htsmmodhdvmuser` command. Alternatively, use the common user manager function to change the user setting.
KATS68046-E	A space character was specified at the beginning or end of the URL. (invalid URL: *invalid-URL*)	*Cause* A space character cannot be specified at the beginning or end of the URL. *Action* Enter a URL that does not contain a space character at the beginning or end.
KATS68047-E	The length of the entered address is invalid. (invalid URL: *invalid-URL*, entered length (number of bytes in UTF-8): *entered-length*, specifiable length (number of bytes in UTF-8) : from 1 to *specifiable-length*)	*Cause* The number of characters in the address of the entered URL exceeds the character limit, or no characters were entered. *Action* Enter an address with at least one character and within the character limit. One ASCII character becomes one byte in UTF-8, and other characters become one to three bytes in UTF-8.
KATS68048-E	The URL contains an unusable character (*unusable-character*).	*Cause* The URL contains an unusable character. *Action* Enter the URL correctly.
KATS68049-E	The URL protocol is invalid.	*Cause* The specification of the URL protocol is invalid. *Action* Specify the protocol correctly (for example, "mailto:").
KATS68050-W	A property used by the mail sending function is not set or is invalid. (property key: *property-key-name*)	*Cause* A property used by the event notification function is not set or is invalid. *Action* When using the event notification function, set the correct value for property: *property-name*, and then restart the Tiered Storage Manager server.
KATS68051-W	Authentication information for connecting to the SMTP server is not set.	*Cause*

Message ID	Message Text	Description
		Authentication information for connecting to the SMTP server is not set. *Action* When using the event notification function, use the SMTP authentication user information modification command (`htsmmodmailuser`) and the following procedure to set the SMTP authentication user information (user ID and password). 1. Stop the Tiered Storage Manager server. 2. Use the SMTP authentication user information modification command to set the SMTP authentication user information. 3. Restart the Tiered Storage Manager server.
KATS68052-E	Mail cannot be sent because SMTP server information is not set or is invalid.	*Cause* The SMTP server information is not set or is invalid. The KATS68050-W or KATS68051-W error message is output when the Tiered Storage Manager is started. *Action* See the action for KATS68050-W or KATS68051-W, and take corrective action.
KATS68053-E	The format of a mail address specified for the mail to be sent is invalid. (type: *type*, address: *address*)	*Cause* The format of the next mail address specified for the mail to be sent is invalid. • Destination mail address • Mail address specified in the `server.mail.from` property • Mail address specified in the `server.mail.errorsTo` property *Action* Specify the mail address format correctly. If a property was changed, restart the Tiered Storage Manager server.
KATS68054-E	It was not possible to connect to the SMTP server because of an authentication error.	*Cause* An attempt to authenticate the SMTP server has failed. *Action* Take one of the actions below:

Message ID	Message Text	Description
		• Use the SMTP authentication information setting command (`htsmmodmailuser`) and the following procedure to reset the user ID and password for use with SMTP authentication. 1. Stop the Tiered Storage Manager server. 2. Use the SMTP authentication information setting command to reset the user ID and password for use with SMTP authentication . 3. Restart the Tiered Storage Manager server. • Use SMTP server settings to authenticate the user.
KATS68055-E	Mail could not be sent because an address was invalid. (Address: *address*)	*Cause* The mail destination address is invalid. *Action* Correctly specify the mail destination address.
KATS68056-E	An error occurred when mail was being sent. Please revise the related settings for sending mail.	*Cause* An error occurred when mail was being sent. The related settings for sending mail are invalid. *Action* Set the related settings for sending mail correctly. • Are the property settings (host name, IP address, and the power number of the SMTP server) for sending mail correct? • Is the specified SMTP server running? • Are the environment settings for the SMTP server correct? • Are the lines correctly connected? • Does the SMTP server have available disk space? If the properties for sending mail have been modified, restart the Tiered Storage Manager.

KATS90000 - KATS99999

The following table describes messages KATS90000 to KATS99999, which are related to the Tiered Storage Manager server.

Table 2-30 KATS90000 - KATS99999 (messages related to the Tiered Storage Manager server)

Message ID	Message Text	Description
KATS90000-I	The operation requested by the client has completed.	If the audit log data spans multiple lines, this message indicates that this line is the first line in the log data. Access to resources managed by Tiered Storage Manager was successful, and an audit event of the Configuration Access type occurred.
KATS90001-W	The operation requested by the client has failed.	If the audit log data spans multiple lines, this message indicates that this line is the first line in the log data. Access to resources managed by Tiered Storage Manager was successful, and an audit event of the Configuration Access type occurred.
KATS90010-W	The user does not have permission for the operation.	An attempt to access resources managed by Tiered Storage Manager failed and an audit event of the Access Control type occurred.
KATS90020-I	(The line that follows the first line of the KATS90000-I message is output.)	If the audit log data spans multiple lines, this message indicates that this line is a continuation line in the log data. Access to resources managed by Tiered Storage Manager was successful, and an audit event of the Configuration Access type occurred.
KATS90021-W	(The line that follows the first line of the KATS90000-W message is output.)	If the audit log data spans multiple lines, this message indicates that this line is a continuation line in the log data. Access to resources managed by Tiered Storage Manager was successful, and an audit event of the Configuration Access type occurred.
KATS90030-I	(The last line of the KATS90000-I message is output.)	If the audit log data spans multiple lines, this message indicates that this line is the last line in the log data. Access to resources managed by Tiered Storage Manager was successful, and an audit event of the Configuration Access type occurred.
KATS90031-W	(The last line of the KATS90001-W message is output.)	If the audit log data spans multiple lines, this message indicates that this line is the last line in the log data. Access to resources managed by Tiered Storage Manager was

Message ID	Message Text	Description
		successful, and an audit event of the Configuration Access type occurred.

Messages with IDs beginning with KAVN

This section describes messages related to Replication Manager.

KAVN00000 - KAVN09999

The following table describes messages KAVN00000 to KAVN09999, which are related to Replication Manager.

Table 2-31 KAVN00000 - KAVN09999 (messages output by Replication Manager)

Message ID	Message Text	Description
KAVN00001-I	The Replication Manager server has started.	*Cause* The Replication Manager server has started successfully. *Action* No action is required.
KAVN00002-I	The Replication Manager server has stopped.	*Cause* The Replication Manager server has stopped successfully. *Action* No action is required.
KAVN00003-E	An error occurred while the Replication Manager server was starting. The Replication Manager server could not start.	*Cause* An error occurred while the Replication Manager server was starting. *Action* Take action according to the detailed message that was output at the same time as this message, and then restart the Replication Manager server. If the error occurs again or if a detailed message was not output, contact the Support Center.
KAVN00004-E	An error occurred while the Replication Manager server was stopping.	*Cause* An error occurred while the Replication Manager server was stopping. *Action* Correct the error according to the detailed message that was output at the same time as this message.

Message ID	Message Text	Description
		If the error occurs again or if a detailed message was not output, contact the Support Center.
KAVN00005-W	An error occurred while the Replication Manager server was starting. The Replication Manager server started with limited functionality because an error occurred during startup.	*Cause* During startup of the Replication Manager server, either the periodic refreshing of configuration information or the monitoring of copy pairs could not be started for some information sources. The Replication Manager server has started, but some functions cannot be used. *Action* Correct the error according to the error message that was output to the Replication Manager event log. If the error occurs again or if no error message was output to the Replication Manager event log, contact the Support Center.
KAVN00006-I	The mode has been switched to Maintenance.	*Cause* The operation mode has changed to maintenance mode. *Action* No action is required.
KAVN00007-I	Maintenance mode has ended.	*Cause* Maintenance mode is no longer being used. *Action* No action is required.
KAVN00008-W	An error occurred while switching from Maintenance mode. Maintenance mode was canceled, with restrictions on functionality, because an error occurred while switching modes.	*Cause* While maintenance mode was being exited, either the periodic refreshing of configuration information or the monitoring of copy pairs could not be started for some information sources. Maintenance mode was exited, but some of the functions cannot be used. *Action* Correct the error according to the error message that was output to the event log. If the error occurs again or if no error messages were output to the event log, contact the Support Center.
KAVN00009-E	An attempt to set periodical refreshing of the information source has failed. (information source = *Information Source*)	*Cause* An error occurred while a periodic refreshing setting for the information source was being specified in

Message ID	Message Text	Description
	The periodical refresh functionality cannot be used for the information source displayed in the error message.	Replication Manager. Some Replication Manager server functions cannot be used. *Action* Correct the error according to the error message that was output to the event log, and then restart Replication Manager. If the problem persists, collect the maintenance information, and then contact the Support Center.
KAVN00010-W	An attempt to set SNMP trap reception has failed. (information source = *Information Source*) SNMP trap reception cannot be used for the information source displayed in the error message.	*Cause* An error occurred while an SNMP trap reception setting for the information source was being specified in Replication Manager. Some Replication Manager server functions cannot be used. *Action* Correct the error according to the error message that was output to the event log, and then restart Replication Manager. If the problem persists, collect the maintenance information, and then contact the Support Center.
KAVN00020-I	The database was modified.	*Cause* The database was modified. *Action* No action is required.
KAVN00030-I	The Sidefile usage rate (Open) history was deleted.	*Cause* The Sidefile usage rate (Open) history was deleted. *Action* No action is required.
KAVN00031-I	The Sidefile usage rate (Mainframe) history was deleted.	*Cause* The Sidefile usage rate (Mainframe) history was deleted. *Action* No action is required.
KAVN00032-I	The Journal usage rate (Open) history was deleted.	*Cause* The Journal usage rate (Open) history was deleted. *Action* No action is required.

Message ID	Message Text	Description
KAVN00033-I	The Journal usage rate (Mainframe) history was deleted.	*Cause* The Journal usage rate (Mainframe) history was deleted. *Action* No action is required.
KAVN00034-W	An attempt to delete the Sidefile usage rate (Open) history has failed.	*Cause* An attempt to delete the Sidefile usage rate (Open) history has failed. *Action* Correct the error according to the detailed message that was output at the same time as this message.
KAVN00035-W	An attempt to delete the Sidefile usage rate (Mainframe) history has failed.	*Cause* An attempt to delete the Sidefile usage rate (Mainframe) history has failed. *Action* Correct the error according to the detailed message that was output at the same time as this message.
KAVN00036-W	An attempt to delete the Journal usage rate (Open) history has failed.	*Cause* An attempt to delete the Journal usage rate (Open) history has failed. *Action* Correct the error according to the detailed message that was output at the same time as this message.
KAVN00037-W	An attempt to delete the Journal usage rate (Mainframe) history has failed.	*Cause* An attempt to delete the Journal usage rate (Mainframe) history has failed. *Action* Correct the error according to the detailed message that was output at the same time as this message.
KAVN00050-I	The workflow was deleted. (workflow name = *Workflow Name*)	*Cause* The workflow was deleted. *Action* No action is required.
KAVN00051-W	An attempt to delete the workflow has failed. (workflow name = *Workflow Name*)	*Cause* An attempt to delete the workflow has failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log, and then delete the workflow manually.

Message ID	Message Text	Description
KAVN00052-I	The pair creation task has started. (task ID = *Task ID*)	*Cause* Pair creation has started. *Action* No action is required.
KAVN00053-I	The pair creation task has finished. (task ID = *Task ID*)	*Cause* Pair creation has finished. *Action* No action is required.
KAVN00054-W	The pair creation task has timed out. (task ID = *Task ID*)	*Cause* Although the command was executed successfully, a timeout occurred during confirmation-completion processing. *Action* Check the configuration information displayed by Replication Manager to make sure that pair creation has finished.
KAVN00055-W	An attempt to modify the configuration definition file has failed. (pair management server = *Pair Management Server*, instance number = *instance number*)	*Cause* An attempt to modify the configuration definition file has failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log, and then modify the configuration definition file manually.
KAVN00056-W	An attempt to delete the configuration definition file has failed. (pair management server = *Pair Management Server*, instance number = *instance number*)	*Cause* An attempt to delete the configuration definition file has failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log, and then delete the configuration definition file manually.
KAVN00057-I	The pair operation task has started. (task ID = *Task ID*)	*Cause* The pair operation has started. *Action* No action is required.
KAVN00058-I	The pair operation task has finished. (task ID = *Task ID*)	*Cause* The pair operation has finished. *Action* No action is required.

Message ID	Message Text	Description
KAVN00059-W	The pair operation task has timed out. (task ID = *Task ID*)	*Cause* Although the command was executed successfully, a timeout occurred during confirmation-completion processing. *Action* Check the configuration information displayed by Replication Manager to make sure that the applicable pair operation has finished.
KAVN00060-E	An attempt to execute a task has failed. (task ID = *Task ID*)	*Cause* An attempt to execute the task has failed. *Action* Take action according to the detailed message that was output concurrently with this message. If a detailed message was not output, from the task list select the task whose task ID is displayed in the message. Then, take action by following the instructions in the output message.
KAVN00061-I	The pair deletion task has started. (task ID = *Task ID*)	*Cause* Pair deletion has started. *Action* No action is required.
KAVN00062-I	The pair deletion task has finished. (task ID = *Task ID*)	*Cause* Pair deletion has finished. *Action* No action is required.
KAVN00063-I	The history describing the journal usage rate (Open) for each journal was deleted.	*Cause* Each journal's journal usage rate history was deleted. *Action* No action is required.
KAVN00064-I	The history describing the pool usage rate (Open) for each pool was deleted.	*Cause* Each pool's pool usage rate was deleted. *Action* No action is required.
KAVN00065-W	An attempt to delete the history describing the journal usage rate (Open) for each journal has failed.	*Cause* An attempt to delete each journal's journal usage rate history has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message.
KAVN00066-W	An attempt to delete the history describing the pool usage rate (Open) for each pool has failed.	*Cause* An attempt to delete each pool's pool usage rate history has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00067-I	The task history was deleted.	*Cause* The task history was deleted. *Action* No action is required.
KAVN00068-W	An attempt to delete the task history has failed.	*Cause* An attempt to delete the task history has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00069-I	Updating the pool usage rate for each pool has started. (Storage System = *Storage System Name*)	*Cause* Each pool's pool usage rate will now be updated. *Action* No action is required.
KAVN00070-I	The pool usage rate for each pool was updated successfully. (Storage System = *Storage System Name*)	*Cause* Each pool's pool usage rate has been updated. *Action* No action is required.
KAVN00071-E	An attempt to update the pool usage rate for each pool has failed. (Storage System = *Storage System Name*)	*Cause* An attempt to update each pool's pool usage rate has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00072-I	Updating the journal usage rate for each journal has started. (Storage System = *Storage System Name*)	*Cause* Each journal's journal usage rate will now be updated. *Action* No action is required.

Message ID	Message Text	Description
KAVN00073-I	The journal usage rate for each journal was updated successfully. (Storage System = *Storage System Name*)	*Cause* Each journal's journal usage rate has been updated. *Action* No action is required.
KAVN00074-E	An attempt to update the journal usage rate for each journal has failed. (Storage System = *Storage System Name*)	*Cause* An attempt to update each journal's journal usage rate has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00075-I	Updating of the pool information has started. (Storage System = *Storage System Name*)	*Cause* The pool information will now be updated. *Action* No action is required.
KAVN00076-I	Pool information was updated successfully. (Storage System = *Storage System Name*)	*Cause* The pool information was updated successfully. *Action* No action is required.
KAVN00077-E	An attempt to update the pool information has failed. (Storage System = *Storage System Name*)	*Cause* An attempt to update the pool information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00078-I	Updating of the journal group information has started. (Storage System = *Storage System Name*)	*Cause* Updating of the journal group information has started. *Action* No action is required.
KAVN00079-I	Journal group information was updated successfully. (Storage System = *Storage System Name*)	*Cause* The journal group information was updated successfully. *Action* No action is required.
KAVN00080-E	An attempt to update the journal group information has failed. (Storage System = *Storage System Name*)	*Cause* An attempt to update the journal group information has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message.
KAVN00081-I	Updating of the license information has started. (Storage System = *Storage System Name*)	*Cause* The license information will now be updated. *Action* No action is required.
KAVN00082-I	License information was updated successfully. (Storage System = *Storage System Name*)	*Cause* The license information was updated successfully. *Action* No action is required.
KAVN00083-E	An attempt to update the license information has failed. (Storage System = *Storage System Name*)	*Cause* An attempt to update the license information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00084-I	Updating of the pool information has started. (information source = *Information Source*)	*Cause* The pool information will now be updated. *Action* No action is required.
KAVN00085-I	Pool information was updated successfully. (information source = *Information Source*)	*Cause* The pool information was updated successfully. *Action* No action is required.
KAVN00086-E	An attempt to update the pool information has failed. (information source = *Information Source*)	*Cause* An attempt to update the pool information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00087-I	Updating of the journal group information has started. (information source = *Information Source*)	*Cause* The journal group information will now be updated. *Action* No action is required.

Message ID	Message Text	Description
KAVN00088-I	Journal group information was updated successfully. (information source = *Information Source*)	*Cause* The journal group information was updated successfully. *Action* No action is required.
KAVN00089-E	An attempt to update the journal group information has failed. (information source = *Information Source*)	*Cause* An attempt to update the journal group information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00090-I	Updating of the license information has started. (information source = *Information Source*)	*Cause* The license information will now be updated. *Action* No action is required.
KAVN00091-I	License information was updated successfully. (information source = *Information Source*)	*Cause* The license information was updated successfully. *Action* No action is required.
KAVN00092-E	An attempt to update the license information has failed. (information source = *Information Source*)	*Cause* An attempt to update the license information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00093-I	Processing to update the remote path information has started. (information source = *Information Source*)	*Cause* The remote path information will now be updated. *Action* No action is required.
KAVN00094-I	Remote path information was updated successfully. (information source = *Information Source*)	*Cause* The remote path information was updated successfully. *Action* No action is required.
KAVN00095-I	Processing to update the remote path information was skipped because Device Manager version is not	*Cause* The remote path information was not updated because the Device Manager version is not supported. *Action*

Message ID	Message Text	Description
	supported. (information source = *Information Source*)	No action is required.
KAVN00096-E	An attempt to update the remote path information has failed. (information source = *Information Source*)	*Cause* An attempt to update the remote path information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00097-W	The pair deletion task has timed out. (task ID = *Task ID*)	*Cause* The command was executed successfully, but a timeout occurred during confirmation-completion processing. *Action* Check the configuration information displayed by Replication Manager to make sure that the pair has been deleted.
KAVN00100-I	Processing to start the Replication Manager server has started.	*Cause* The Replication Manager server will now start. *Action* No action is required.
KAVN00101-I	Processing to stop the Replication Manager server has started.	*Cause* The Replication Manager server will now stop. *Action* No action is required.
KAVN00110-I	Processing to acquire the configuration information has started. (information source = *Information Source*)	*Cause* The configuration information will now be acquired. *Action* No action is required.
KAVN00111-I	Acquisition of configuration information has finished. (information source = *Information Source*)	*Cause* The configuration information was acquired successfully. *Action* No action is required.
KAVN00112-E	An attempt to acquire configuration information has failed. (information source = *Information Source*)	*Cause* An attempt to acquire configuration information has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message.
KAVN00113-I	Processing to refresh the configuration information has started.	*Cause* The configuration information will now be refreshed. *Action* No action is required.
KAVN00114-I	Refreshing configuration information has finished.	*Cause* The configuration information was refreshed successfully. *Action* No action is required.
KAVN00115-E	An attempt to refresh configuration information has failed.	*Cause* An attempt to refresh configuration information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00116-E	An attempt to acquire configuration information has failed. (information source = *Information Source*, pair management server = *Pair Management Server*)	*Cause* An attempt to acquire configuration information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00117-E	An attempt to acquire configuration information has failed. (information source = *Information Source*, storage system = *Storage System Name*)	*Cause* An attempt to acquire configuration information has failed. *Action* Take action according to the detailed message that was output concurrently with this message.
KAVN00120-I	Acquisition of the pair status has started. (target = pairs without a copy group definition, storage system = *storage-system-name*)	*Cause* The pair status will now get acquired. *Action* No action is required.
KAVN00121-I	Acquisition of the pair status has finished. (target = pairs without a copy group definition, storage system = *storage-system-name*)	*Cause* The pair status was acquired successfully. *Action* No action is required.

Message ID	Message Text	Description
KAVN00122-E	An attempt to acquire the pair status has failed. (target = pairs without a copy group definition, Storage System = *storage-system-name*)	*Cause* An attempt to acquire the pair status has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00123-I	Acquisition of the pair status has started. (target = copy groups defined on a pair management server, pair management server = *pair-management-server*)	*Cause* The pair status will now be acquired. *Action* No action is required.
KAVN00124-I	Acquisition of the pair status has finished. (target = copy groups defined on a pair management server, pair management server = *pair-management-server*)	*Cause* The pair status was acquired successfully. *Action* No action is required.
KAVN00125-E	An attempt to acquire the pair status has failed. (target = copy groups defined on a pair management server, pair management server = *pair-management-server*)	*Cause* An attempt to acquire the pair status has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00126-I	Acquisition of the pair status has started. (Business Continuity Manager = *Business Continuity Manager*)	*Cause* The pair status will now be acquired. *Action* No action is required.
KAVN00127-I	Acquisition of the pair status has finished. (Business Continuity Manager = *Business Continuity Manager*)	*Cause* The pair status was acquired successfully. *Action* No action is required.
KAVN00128-E	An attempt to acquire the pair status has failed. (Business Continuity Manager = *Business Continuity Manager*)	*Cause* An attempt to acquire the pair status has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00129-E	An attempt to acquire the pair status has failed. (information source = *Information Source*)	*Cause* An attempt to acquire the pair status has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then restart the Replication Manager server. If a detailed message was not output, restart the Replication Manager server. If the problem persists, contact the Support Center.
KAVN00130-W	An attempt to execute an alert action has failed. (alert name = *Alert Name*, resource = *Resource*)	*Cause* An attempt to execute an alert action has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00131-W	An attempt to report an alert by email has failed. (alert name = *Alert Name*, resource = *Resource*)	*Cause* An attempt to send an email has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00132-W	An attempt to report an alert by an SNMP trap has failed. (alert name = *Alert Name*, resource = *Resource*)	*Cause* An attempt to send an SNMP trap has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00133-I	The SNMP trap was received. (Device Manager = *Device Manager*, content = *content*)	*Cause* An SNMP trap from Device Manager was received. *Action* No action is required.
KAVN00134-I	The alert history was deleted.	*Cause* Alert history was deleted. *Action* No action is required.
KAVN00135-I	Event log history was deleted.	*Cause* Event log history was deleted. *Action* No action is required.
KAVN00136-I	C/T Delta (Open) history was deleted.	*Cause* C/T Delta (Open) history was deleted. *Action*

Message ID	Message Text	Description
		No action is required.
KAVN00137-I	C/T Delta (Mainframe) history was deleted.	*Cause* C/T Delta (Mainframe) history was deleted. *Action* No action is required.
KAVN00138-W	An attempt to delete the Alert history has failed.	*Cause* An attempt to delete Alert history has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00139-W	An attempt to delete the event log history has failed.	*Cause* Take action according to the detailed message that was output at the same time as this message. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00140-W	An attempt to delete the C/T Delta (Open) history has failed.	*Cause* An attempt to delete C/T Delta (Open) history has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00141-W	An attempt to delete the C/T Delta (Mainframe) history has failed.	*Cause* An attempt to delete C/T Delta (Mainframe) history has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00142-I	An operation to change the pair status has been executed. ({*copy-pair-name* | *copy-group-name*}: {split | resync | restore})	*Cause* An operation to change the copy pair status has been executed. *Action* No action is required.
KAVN00143-I	Acquisition of the pair status has started. (information source = *Information Source*)	*Cause* The pair status will now be acquired. *Action* No action is required.

Message ID	Message Text	Description
KAVN00144-I	Acquisition of the pair status was skipped because there is no target pair. (information source = *Information Source*)	*Cause* The pair status cannot be acquired because there is no target pair. *Action* No action is required.
KAVN00145-I	Acquisition of the pair status was skipped because there is no target pair. (target = copy groups defined on a pair management server, pair management server = *pair-management-server*)	*Cause* The pair status cannot be acquired because there is no target pair. *Action* No action is required.
KAVN00146-I	Acquisition of the pair status was skipped because there is no target pair. (Business Continuity Manager = *Business Continuity Manager*)	*Cause* The pair status cannot be acquired because there is no target pair. *Action* No action is required.
KAVN00165-I	Collection of maintenance information from Replication Manager has started.	*Cause* The `hcmdsgetlogs` command, which collects maintenance information, will now start. *Action* No action is required.
KAVN00166-I	Collection of maintenance information from Replication Manager has ended.	*Cause* The `hcmdsgetlogs` command, which collects maintenance information, has ended normally. *Action* No action is required.
KAVN00167-E	An error occurred during collection of maintenance information from Replication Manager.	*Cause* An error occurred during execution of the `hcmdsgetlogs` command, which collects maintenance information. *Action* Take the corrective action indicated by the Replication Manager error message that was output before this message.
KAVN00168-I	Processing to back up the conf file from Replication Manager has started.	*Cause* The `hcmdsbackups` command, which performs backups, will now start. *Action* No action is required.
KAVN00169-I	Backup of the conf file from Replication Manager stopped.	*Cause*

Message ID	Message Text	Description
		The `hcmdsbackups` command, which performs backups, has ended normally. *Action* No action is required.
KAVN00170-E	An error occurred during backup of the conf file from Replication Manager.	*Cause* An error occurred during execution of the `hcmdsbackups` command, which performs backups. *Action* Take the corrective action indicated by the Replication Manager error message that was output before this message.
KAVN00171-E	The specified parameter value is invalid.	*Cause* A `hcmdsgetlogs` or `hcmdsbackups` command argument was incorrectly specified. *Action* Check the argument specifications.
KAVN00172-E	The drive does not exist.	*Cause* A drive letter that does not exist was specified for a `hcmdsgetlogs` or `hcmdsbackups` command argument. *Action* Specify an existing drive.
KAVN00173-E	The copy source directory *directory-name* does not exist.	*Cause* The copy source directory was not found during execution of the `hcmdsgetlogs` or `hcmdsbackups` command. *Action* Check whether the directory was moved or deleted after the installation.
KAVN00174-E	A subdirectory or file exists in the specified directory.	*Cause* One or more subdirectories or files are in the directory specified for a `hcmdsgetlogs` or `hcmdsbackups` command argument. *Action* Check whether there are any subdirectories or files in the specified directory. If there are any, delete them or specify a directory that does not contain any subdirectories or files.
KAVN00175-I	The information collected into *directory-name* has finished.	*Cause*

Message ID	Message Text	Description
		The information has been collected into the directory specified for the `hcmdsgetlogs` command. *Action* No action is required.
KAVN00176-E	*file-name* cannot be accessed.	*Cause* An attempt to access the file specified for the `hcmdsgetlogs` or `hcmdsbackups` command has failed. *Action* Check the access permissions for the file.
KAVN00177-I	The backup to *directory-name* has finished.	*Cause* The information has been backed up to the directory specified for the `hcmdsbackups` command. *Action* No action is required.
KAVN00178-E	The user group permissions are not system administrator permissions.	*Cause* The user group permissions are not system administrator permissions. *Action* Perform the operation as a user who is a member of the Administrators group.
KAVN00179-E	The user does not have root user permissions.	*Cause* The user does not have root user permissions. *Action* Log in as a root user.
KAVN00180-E	Specified parameters not appropriate for the command:*parameter*	*Cause* Possible causes are as follows: • The format of a specified parameter is invalid. • A parameter specification is missing. *Action* Revise the specified parameters.
KAVN00181-E	Unrecognized option "*option-name*"	*Cause* One or more specified options are invalid. *Action* Please review the specified options.
KAVN00182-E	The specified file "*file-name*" could not be output.	*Cause* Possible causes are as follows:

Message ID	Message Text	Description
		• The path to the specified file does not exist. • You do not have write permission for the specified file. • This location does not have enough space for the output path. *Action* Check the status of the specified file.
KAVN00183-E	Information could not be acquired from the database.	*Cause* Access to the Replication Manager database failed. *Action* Check whether the Hitachi Command Suite Common Component service is running. If the service is running, terminate Hitachi Command Suite Common Component by using the `hcmdssrv` command, and then restart it.
KAVN00184-E	"*parameter1*" and "*parameter2*" cannot be specified together.	*Cause* Conflicting parameters were specified. *Action* Revise the specified parameters.
KAVN00185-E	Command has failed:*Command-name*	*Cause* An internal error occurred. The library used internally by Replication Manager might be invalid. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact Support Center, who may ask you to collect troubleshooting information.
KAVN00186-E	An attempt to read the configuration information of Replication Manager failed.	*Cause* An attempt to read the configuration information of Replication Manager failed. *Action* Perform an overwrite installation of Replication Manager.
KAVN00187-E	Multiple instances of the Replication Manager Command Line Interface cannot be executed at the same time.	*Cause* A command that cannot be executed concurrently is being executed. *Action* Wait until the current instance of the Replication Manager Command Line Interface is no longer running before

Message ID	Message Text	Description
		attempting to execute another instance.
KAVN00188-E	No argument is specified for the specified option "*option-name*".	*Cause* No argument is specified for the specified option. *Action* Specify arguments for the specified option.
KAVN00189-E	The HRPM_CLI_BASE_PATH environment variable is missing, or has been assigned an invalid value.	*Cause* The environment variable `HRPM_CLI_BASE_PATH` is not set correctly. *Action* Make sure that an appropriate value is set for this variable.
KAVN00190-E	The specified task ID does not exist.	*Cause* A task corresponding to the ID specified for the taskID parameter does not exist. *Action* Execute the `GetTasks` command without the `taskID` parameter to display the list of tasks, or use the Task List Screen in the GUI to find the correct task ID, and then re-execute the command.
KAVN00191-E	The specified task ID is not a CLI task.	*Cause* The task corresponding to the ID specified for the taskID parameter is not a CLI task. *Action* Execute the `GetTasks` command without the `taskID` parameter to display the list of tasks, or use the List of Tasks window in the GUI to find the correct task ID, and then re-execute the command.
KAVN00192-E	Communication with Replication Manager was not possible.	*Cause* The following are possible reasons why Replication Manager could not be communicated with: • Replication Manager is stopped or is stopping. • The `base.rmi.enabled` property in the `base.properties` file is set to "false" when the Replication Manager service starts.

Message ID	Message Text	Description
		• The port specified for the `base.rmi.port` property in the `base.properties` file cannot communicate through the firewall. • Replication Manager is in maintenance mode. *Action* Revise the settings so that communication with Replication Manager is possible, and then re-execute the command.
KAVN00193-E	The environment is not set up to allow execution of the CLI command required to perform the CLI task.	*Cause* When the `base.rmi.enabled` property in the `base.properties` file is set to "false". *Action* Set the `base.rmi.enabled` property in the `base.properties` file to "`true`", restart the Replication Manager service, and then re-execute the command.
KAVN00194-I	The specified task will now start.	*Cause* When the `ExecuteTask` command is used to start task execution *Action* No action is required.
KAVN00195-E	The parameter specification is invalid.	*Cause* When a required parameter is not specified *Action* Check the command syntax, specify the required parameters, and then re-execute the command.
KAVN00196-E	The option specification is invalid.	*Cause* When a required option is not specified *Action* Check the command syntax, specify the required options, and then re-execute the command.
KAVN00197-W	No displayable tasks exist.	*Cause* No displayable tasks exist. *Action* No action is required.
KAVN00198-E	An error occurred in the Replication Manager.	*Cause* An error occurred in the Replication Manager.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output concurrently with this message.
KAVN00199-E	The task is not in an executable state.	*Cause* When the specified task is currently being executed or is in the "Cancel" status. *Action* If the task is currently being executed, wait for the task to finish, and then retry the operation. If the task is in the Canceled status, select [**Execute later with CLI**], register the task, and then retry the operation.
KAVN00209-E	An error that stopped processing occurred. (cause = *cause*)	*Cause* An internal program error occurred during one of the following: • While a menu item was selected from the **Explorer** menu • During a screen transition when an information area changes • During a screen transition when a dialog box changes because of a status change There might be a problem in the database. *Action* Refresh the configuration information. If this message still appears after the refresh, there might be a problem in the loaded configuration information. Check whether any of the cautionary notes in the manual apply.
KAVN00211-E	An unexpected error occurred.	*Cause* An unexpected error occurred on the GUI. *Action* Based on the cause of the error indicated in the detailed message, check the log files provided by the OS and the Hitachi Command Suite products to see if an error message related to the Replication Manager execution environment was output. If an error message was output, resolve the problem, and then retry the operation.

Message ID	Message Text	Description
		If this message appears, but there is no problem with the Replication Manager execution environment, use the maintenance information batch collection command to collect the maintenance information, and then contact the Support Center.
KAVN00212-E	An attempt to change the pair status for *node-name* has failed.	*Cause* An attempt to change the pair status in Replication Manager has failed. *Action* Check the status of the target copy pair and make sure that it can be changed to the specified pair status.
KAVN00213-W	A non-recommended value is specified for the copy pace. Make sure the value is correct.	*Cause* An attempt was made to change the pair status by specifying a value that was not recommended for the copy pace. If the pair status is changed by using a value that is not recommended for the copy pace, data replication could adversely affect host I/O performance. *Action* Check the value of the copy pace to make sure that there is not a problem, and then continue processing. If the specified value causes a problem, specify another value. If this message appears, we recommend that you set the default value (a recommended value) unless there is a special reason not to do so.
KAVN00216-E	An attempt was made to delete an alert setting that had already been deleted. (alert name = *configuration-name*)	*Cause* An attempt was made to delete a monitoring configuration that has already been deleted. *Action* Check the monitoring configuration name indicated in the message, and confirm whether the monitoring configuration has already been deleted.
KAVN00218-E	An error occurred in HBase Storage Mgmt Common Service.	*Cause* An error occurred during HBase Storage Mgmt Common Service processing. *Action* Re-enter the user name and password for Replication Manager. Also, make

Message ID	Message Text	Description
		sure that the service has started successfully and is running correctly.
KAVN00226-E	The user ID or password is invalid.	*Cause* An invalid value was entered in the **User Name** or **Password** field in the Replication Manager Login window. *Action* Enter a valid value, and then log in.
KAVN00227-E	An attempt to acquire the information for the target copy pair has failed.	*Cause* An attempt to acquire the information for the target copy pair has failed. *Action* There might be an inconsistency in the target copy information. Alternatively, there might be a problem with the copy pair. Make sure that there are not any problems with the target copy pair, and then use Replication Manager Web Client to update the copy pair status.
KAVN00230-E	The {Temporary | Emergency} license has expired.	*Cause* The registered temporary license or emergency license has expired. *Action* Open the dialog box for registering a license, and then enter a regular license key or license key file.
KAVN00231-E	An attempt to acquire license information has failed because an unexpected error occurred.	*Cause* Replication Manager could not acquire the license information due to an unexpected error. An error might have occurred in the OS on which Replication Manager is running or in the storage environment. *Action* Check the log files provided by the OS and the Hitachi Command Suite products to see if an error message related to the Replication Manager execution environment was output. If an error message was output, resolve the problem, and then retry the operation. If the problem persists, the component necessary for acquiring the license information might no longer exist. Uninstall Replication Manager, and then re-install it. If this message still appears after the above actions are taken, use the

Message ID	Message Text	Description
		maintenance information batch collection command to collect the maintenance information, and then contact the Support Center.
KAVN00232-E	The {Temporary | Emergency} license has expired. Enter a regular license key or a regular license key file.	*Cause* The registered temporary license or emergency license has expired. *Action* Open the dialog box for registering a license, and then enter a regular license key or license key file.
KAVN00234-E	An attempt to register license information has failed because an unexpected error occurred.	*Cause* Replication Manager could not register the license information due to an unexpected error. An error might have occurred in the OS on which Replication Manager is running or in the storage environment. *Action* Check the log files provided by the OS and the Hitachi Command Suite products to see if an error related to the Replication Manager execution environment was output. If an error message was output, resolve the problem, and then retry the operation. If the problem persists, the component necessary for acquiring the license information might no longer exist. Uninstall Replication Manager, and then re-install it. If this message still appears after the above actions are taken, use the maintenance information batch collection command to collect the maintenance information, and then contact the Support Center.
KAVN00235-E	One or more application files are corrupt.	*Cause* An attempt to read or write to the license file has failed. *Action* Check the log files provided by the OS and the Hitachi Command Suite products to see if an error related to the Replication Manager execution environment was output. If an error message was output, resolve the problem, and then retry the operation. If this message appears, but there are not any problems with the Replication Manager execution environment, use

Message ID	Message Text	Description
		the maintenance information batch collection command to collect the maintenance information, and then contact the Support Center.
KAVN00238-E	The license key file has exceeded the maximum size.	*Cause* The license key file specified to register a license exceeds the maximum size. *Action* Specify a valid license key file, and then retry the operation.
KAVN00239-E	This license key is invalid or has already been registered.	*Cause* The license key is invalid. Alternatively, an attempt might have been made to register a license key that has already been registered. *Action* Specify a valid license key, and then retry the operation.
KAVN00240-E	This license key file is invalid.	*Cause* The license key file specified to register a license is invalid. *Action* Specify a valid license key, and then retry the operation.
KAVN00242-E	An attempt to acquire Replication Manager version information has failed.	*Cause* An attempt to acquire the Replication Manager version information has failed. *Action* Check the log files provided by the OS and the Hitachi Command Suite products to see if an error related to the Replication Manager execution environment was output. If an error message was output, resolve the problem, and then retry the operation. If this message appears, but there are not any problems with the Replication Manager execution environment, uninstall Replication Manager, and then re-install it.
KAVN00243-E	An attempt to acquire information from the configuration file for Web Client has failed.	*Cause* An attempt to acquire information from the Web Client configuration file `client.properties` provided by Replication Manager has failed. *Action*

Message ID	Message Text	Description
		Make sure that `client.properties` is stored in the following location and can be read. In Windows: *Replication-Manager-installation-directory*\conf In Solaris: *Replication-Manager-installation-directory*/conf If the problem persists, uninstall Replication Manager, and then re-install it.
KAVN00244-E	The entered license file could not be found.	*Cause* An attempt to create a temporary file to be used for registering a license has failed. *Action* Check the log files provided by the OS and the Hitachi Command Suite products to see if an error related to the Replication Manager execution environment was output. If an error message was output, resolve the problem, and then retry the operation. If this message appears, but there are not any problems with the Replication Manager execution environment, use the maintenance information batch collection command to collect the maintenance information, and then contact the Support Center.
KAVN00246-E	Operations for {*copy-pair-name* | *copy-group-name*} cannot be performed. Check whether the status of the operation target is normal.	*Cause* There is no pair operation that can be performed for the specified copy pair or copy group. *Action* Check the status of the copy pair or copy group. Resolve the problem, if necessary, and then retry the operation.
KAVN00247-E	Copy pairs with copy types that do not match cannot be operated at the same time. Reselect copy pairs, and then retry the operation.	*Cause* The selected pairs have different copy types. *Action* Reselect copy pairs with the same copy types, and then retry the operation.
KAVN00248-E	This license key is invalid or belongs to another product.	*Cause* The license key is invalid. Alternatively, an attempt might have

Message ID	Message Text	Description
		been made to register the license key of another product. *Action* Specify a valid license key, and then retry the operation.
KAVN00249-E	This license key file is invalid or has already been registered.	*Cause* The license key file is invalid. Alternatively, an attempt might have been made to register a license key file that has already been registered. *Action* Specify a valid license key file, and then retry the operation.
KAVN00250-E	The required license key is missing from the license key file. This license key file might be for a different product.	*Cause* The license key file does not contain a valid license key. An attempt might have been made to register the license key file of another product. *Action* Specify a valid license key file, and then retry the operation.
KAVN00261-E	The file to be downloaded cannot be found.	*Cause* The file to be downloaded was not found or cannot be accessed. *Action* If this message appears, but there are not any problems with the Replication Manager execution environment, use the maintenance information batch collection command to collect the log information, and then contact the Support Center.
KAVN00263-E	There are no available journal group IDs to create a new journal group.	*Cause* There are no journal IDs available for creating a new journal group. *Action* Delete one or more journal groups that are no longer needed.
KAVN00270-E	The selected resource group is already deleted. Refresh the screen.	*Cause* The resource group was deleted by another user. *Action* Refresh the screen.
KAVN00271-E	Communication with an external authentication server has failed.	*Cause* A communication error occurred during an attempt to authenticate a user on an external authentication server.

Message ID	Message Text	Description
		Action For LDAP: 1. By using the host, port, and protocol set in the `exauth.properties` file, check whether the authentication server can be accessed, and then check the settings of the external authentication server and the status of the network. 2. By using the `hcmdsldapuser` command, check that the information for the server names specified in the `auth.server.name` attribute in the `exauth.properties` file is registered. 3. If StartTLS is used, check the SSL settings. 4. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center. For RADIUS: 1. By using the host, port, and protocol set in the `exauth.properties` file , check whether the authentication server can be accessed, and then check the settings of the external authentication server and the status of the network. 2. By using the `hcmdsradiussecret` command, check that the information for the server names specified in the `auth.server.name` attribute in the `exauth.properties` file is registered. 3. If you cannot resolve the problem, collect maintenance information, and then contact the Support Center.
KAVN00272-E	Replication Manager access to DB is blocked. Problem is detected in Common Component. Call server administrator.	*Cause* Access to the Replication Manager server database is blocked. *Action* Execute the maintenance information batch collection command to collect log data, and then contact the Support Center.

Message ID	Message Text	Description
KAVN00273-E	Replication Manager access to DB is blocked. Problem is detected in Replication Manager. Call server administrator.	*Cause* Access to the Replication Manager server database is blocked. *Action* Execute the batch collection command for maintenance information to collect log data, and then contact the Support Center.
KAVN00274-E	Device Manager has been successfully added, but the attempt to acquire the copy pair configuration failed.	*Cause* Device Manager has been successfully added, but the attempt to acquire the copy pair configuration failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log.
KAVN00275-E	Business Continuity Manager or Mainframe Agent has been successfully added, but the attempt to acquire the copy pair configuration failed.	*Cause* Business Continuity Manager or Mainframe Agent has been successfully added, but the attempt to acquire the copy pair configuration failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log.
KAVN00276-W	Configuration information on the storage system might not be the latest. Execute "Refresh Configuration" before specifying settings for the storage system.	*Cause* Configuration information on the storage system might not be the latest. *Action* Execute "Refresh Configuration" for the Device Manager that manages the target storage system.
KAVN00277-I	The configuration must be refreshed before configuring the storage system.	*Cause* The synchronization status of the configuration information cannot be detected because the version of the Device Manager instance that is managing the storage system is earlier than 7.1.0. *Action* Refresh the configuration of the Device Manager instance that is managing the storage system before configuring the storage system.
KAVN00278-E	An error occurred while connecting to the Device Manager server.	*Cause*

Message ID	Message Text	Description
		An error occurred connecting to the Device Manager server that manages the target storage system. *Action* Check the status of the Hitachi Command Suite products service. If the service has stopped, start it and then retry the operation. If the service is running, check the network status.
KAVN00279-I	All errors that occurred during acquisition of configuration information have been resolved.	*Cause* All errors that occurred during acquisition of configuration information have been resolved. *Action* No action is required.
KAVN00280-E	An error occurred during acquisition of configuration information.	*Cause* An error occurred during acquisition of configuration information. *Action* Take action according to the error messages that were output at the same time as this message.
KAVN00281-I	Configuration information is now being acquired. Wait until the latest configuration information has been acquired.	*Cause* Configuration information is now being acquired. *Action* Wait until the latest configuration information has been acquired.
KAVN00282-I	The number of target hosts exceeds 1,000. The object tree cannot display all of the hosts. Choose a host from the list of hosts.	*Cause* The number of target hosts exceeds 1,000. *Action* Choose a host from the list of hosts.
KAVN00283-E	Replication Manager failed to display a window.	*Cause* An unexpected error occurred in the GUI. *Action* Take action according to the detailed message that was output concurrently with this message. If a detailed message was not output, contact the Support Center.
KAVN00419-E	An attempt to acquire resource information has failed.	*Cause* An attempt to acquire resource information has failed. *Action*

Message ID	Message Text	Description
		Retry the operation. If the error occurs again, take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00420-E	An attempt to acquire pair operation information has failed.	*Cause* An attempt to acquire pair operation information has failed. *Action* Check the operation mode, and then retry the pair operation. If the error occurs again, take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00425-E	An attempt to acquire data retention information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00426-E	An attempt to update data retention information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00427-E	An attempt to acquire the Sidefile usage rate has failed.	*Cause* An attempt to acquire the Sidefile usage rate has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00428-E	An attempt to acquire journal usage rate has failed.	*Cause* An attempt to acquire the journal usage rate has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN00429-E	An attempt to acquire refresh information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00430-W	The specified pair cannot be refreshed. Make sure that the setting to acquire the pair status is enabled.	*Cause* Possible causes are as follows: 1. The copy pair to be refreshed does not exist. Replication Manager might not be managing the copy pair. You can check the list of copy pairs managed by Replication Manager in a view that displays Web Client resources (the Hosts view, Storage Systems view, or Copy Pair Configuration Definitions view). 2. The status of the copy pair to be refreshed cannot be acquired because of the system configuration or because the acquisition of pair statuses has been suppressed. 3. The selected copy pair is in the simplex status. A copy pair in the simplex status cannot be refreshed. *Action* If the cause of the problem is 1, refresh the configuration information for the copy pair as described in the online Help. (If another administrator has already refreshed this information, you do not need to do so.) This message is displayed when host information is refreshed for a host that does not recognize the paired volume. If you want to refresh the information to the latest copy pair status, refresh the host information on a host that recognizes the paired volume. If the cause of the problem is 2, check and correct as necessary the system configuration for Replication Manager and the settings of the copy pair configuration definition to enable the pair status to be acquired. When refreshing of the pair status by using the refresh function of the Device Manager server has been suppressed,

Message ID	Message Text	Description
		check the settings and correct as necessary. If the cause of the problem is 3, exclude the copy pair that has the simplex status from the list of copy pairs to be refreshed. After taking one of the above actions, refresh the pair status again.
KAVN00431-E	The maximum number of DMLUs that can be added has been exceeded.	*Cause* The maximum number of DMLUs that can be added has been reached. *Action* Delete any unnecessary DMLUs.
KAVN00432-E	All of the set DMLUs cannot be deleted.	*Cause* You cannot delete all of the DMLUs that have been set if any of the following conditions exists: • At least one ShadowImage, SnapShot, TrueCopy, or TrueCopy Extended Distance pair exists. • At least one TrueCopy or TrueCopy Extended Distance path was defined from a local or remote storage system. • At least one SnapShot or TrueCopy Extended Distance pool has been defined. *Action* • Delete any ShadowImage, SnapShot, TrueCopy, or TrueCopy Extended Distance pairs that exist. • Delete any TrueCopy or TrueCopy Extended Distance paths that were defined from a local or remote storage system. • Delete any SnapShot or TrueCopy Extended Distance pools that have been defined.
KAVN00433-E	An attempt to start the Change Pair Status Wizard has failed.	*Cause* An attempt to start the Change Pair Status Wizard has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00435-E	An attempt to acquire the event log has failed.	*Cause* An attempt to access the database has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00436-E	An attempt to acquire export information has failed. (*export-information-type*)	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00437-W	The mode is being changed to Normal.	*Cause* The request to change the mode was canceled because the mode was already changed to normal mode. *Action* Check the operation mode. You do not need to change the operation mode during a mode transition.
KAVN00438-W	The mode is being changed to Maintenance.	*Cause* The request to change the mode was canceled because the mode was already changed to maintenance mode. *Action* Check the operation mode. You do not need to change the operation mode during a mode transition.
KAVN00439-E	The specified pair operation is invalid.	*Cause* The specified pair operation is invalid. *Action* Be sure to specify a valid pair operation.
KAVN00440-E	The specified copy pace is invalid.	*Cause* The specified copy pace is invalid. *Action* Be sure to specify a valid copy pace.
KAVN00441-E	An attempt to acquire setting information for displaying the [Introduction] screen has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same

Message ID	Message Text	Description
		time as this message, and then retry the operation.
KAVN00442-E	An attempt to register setting information for displaying the [Introduction] screen has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00444-E	An attempt to add a DMLU has failed. (volume = *Volume*)	*Cause* An attempt to add a DMLU has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00445-E	An attempt to delete a DMLU has failed.	*Cause* An attempt to delete a DMLU has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00446-E	An attempt to perform post-processing failed after a DMLU was successfully deleted.	*Cause* An attempt to perform post-processing failed after a DMLU was successfully deleted. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00447-E	An attempt to add capacity to the DMLU failed. (volume = *Volume*, added capacity = *Added Capacity* GB)	*Cause* An attempt to add capacity to the DMLU failed. *Action* Take action according to the detailed message that was output concurrently with this message and try again.
KAVN00448-E	An attempt to acquire the results of processing performed on a DMLU has failed.	*Cause* An attempt to acquire the results of processing performed on a DMLU has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00449-E	An attempt to add DMLU capacity has failed. (volume = *Volume*)	*Cause* An attempt to add DMLU capacity has failed. *Action* Take action according to the detailed message that was output concurrently with this message and try again.
KAVN00450-E	An attempt to acquire information necessary for editing configuration definition files has failed. (pair management server = *Pair Management Server*)	*Cause* An attempt to acquire the information necessary for editing the configuration definition file has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00451-E	An attempt to edit configuration definition files has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*)	*Cause* An attempt to edit the configuration definition file has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00452-E	The configuration definition file could not be edited because another pair with the same name already exists. (pair management server = *Pair Management Server*, instance number = *Instance Number*, pair name = *Pair Name*)	*Cause* The configuration definition file could not be edited because another pair with the same name already exists. *Action* Edit the configuration definition file used for creating the pair, or delete the pair in the configuration definition file with the same name, and then retry the operation.
KAVN00453-E	An attempt to create a pair has failed.	*Cause* An attempt to create a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00454-E	An attempt to start a HORCM instance has failed. (pair management server = *Pair*	*Cause* An attempt to start a HORCM instance has failed.

Message ID	Message Text	Description
	Management Server, instance number = *Instance Number*)	*Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00455-E	An attempt to create a pair has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* An attempt to create a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00456-E	An attempt to operate a pair has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* An attempt to perform an operation on a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00457-E	An attempt to delete a pair has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* An attempt to delete a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00458-E	An attempt to operate a pair has failed.	*Cause* An attempt to perform an operation on a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00459-E	The specified configuration definition file does not exist. (pair management server = *Pair Management Server*, instance number = *Instance Number*)	*Cause* Possible causes are as follows: 1. The specified configuration definition file does not exist. 2. An attempt was made to edit a configuration definition file that is not supported by Device Manager Agent. *Action* Make sure that the specified configuration definition file exists and try again.

Message ID	Message Text	Description
		If the task relevant to this message satisfies both of the conditions listed below, among the tasks that were created at the same time as the relevant task, find the task whose edit icon is active. Take action according to the message for the task you found, and then re-execute the relevant task. • The execution result indicates a failure, and this message is displayed in the error window. • The Edit icon is inactive.
KAVN00460-E	No information about operation targets exists in the configuration definition file. (pair management server = *Pair Management Server*, instance number = *Instance Number*)	*Cause* No information about the operation target exists in the configuration definition file. *Action* Make sure that the operation target pair exists in the specified configuration definition file, and then retry the operation.
KAVN00461-W	The final confirmation processing to create a pair has timed out.	*Cause* Although the command was executed successfully, a timeout occurred during confirmation-completion processing. *Action* Check the configuration information displayed by Replication Manager to make sure that pair creation has finished.
KAVN00462-W	The final confirmation processing to operate a pair has timed out.	*Cause* Although the command was executed successfully, a timeout occurred during confirmation-completion processing. *Action* Check the configuration information displayed by Replication Manager to make sure that the pair operation has finished.
KAVN00463-E	An attempt to delete a pair has failed.	*Cause* An attempt to delete a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00464-E	An attempt to create a task has failed.	*Cause* An attempt to create a task has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00465-E	An attempt to execute a regular update of pool or journal status has failed.	*Cause* An attempt to execute periodic refreshing of the pool or journal status has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00466-E	An attempt to update the pool information has failed.	*Cause* An attempt to update the pool information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00467-E	An attempt to update the journal group information has failed.	*Cause* An attempt to update the journal group information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00468-E	An attempt to update the license information has failed.	*Cause* An attempt to update the license information has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00469-E	An attempt to create a pair has failed. Refresh the storage system information so that the Replication Manager server database contains the most recent configuration information. The copy pair being created might be in the simplex status. Change the copy pair status, as necessary.	*Cause* An attempt to create a pair has failed. *Action* Refresh the storage system information, and then apply the latest configuration information to Replication Manager. The copy pair being created might be in the simplex status. Change the copy pair status, as necessary.
KAVN00470-E	An attempt to edit a disk configuration has failed.	*Cause* An attempt to edit a disk configuration has failed.

Message ID	Message Text	Description
	(information source = *Information Source*, prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Action* Take action according to the detailed message that was output at the same time as this message refresh the configuration to apply the latest information to Replication Manager. If necessary, retry the operation.
KAVN00473-E	An attempt to perform an operation on a pair has failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = Copy *Group Name*)	*Cause* An attempt to perform an operation on a pair has failed. *Action* Take action according to the detailed information output with this message, and then retry the operation.
KAVN00474-E	An attempt to delete a pair has failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* An attempt to delete a pair has failed. *Action* Take action according to the detailed information output with this message, and then retry the operation.
KAVN00475-E	An attempt to create or edit a pair definition has failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = Copy *Group Name*)	*Cause* An attempt to create or edit a pair definition has failed. *Action* Take action according to the detailed information output with this message, and then retry the operation.
KAVN00476-E	An attempt to delete a pair definition has failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = Copy *Group Name*)	*Cause* An attempt to delete a pair definition has failed. *Action* Take action according to the detailed information output at the same time as this message, and then retry the operation.
KAVN00478-E	An attempt to edit a disk configuration has partially failed. (information source = *Information Source*, prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Part of a disk configuration failed to be edited. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00479-E	An attempt to distribute a pair definition has failed. (copy group name = *Copy Group Name*)	*Cause* An attempt to distribute a pair definition has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00480-E	An attempt to acquire storage system information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00481-E	An attempt to acquire logical group information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00482-E	An attempt to acquire port information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00483-E	An attempt to acquire Host Group information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00484-E	An attempt to acquire LUN information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00485-E	A selectable journal group ID does not exist.	*Cause* There are no selectable journal group IDs.

Message ID	Message Text	Description
		Action Check the journal group IDs you are using, and then delete any unnecessary journal groups.
KAVN00486-E	A selectable pool ID does not exist.	*Cause* There are no selectable pool IDs. *Action* Check the pool IDs you are using, and then delete any unnecessary pools.
KAVN00487-E	No task has been created.	*Cause* No tasks have been created. *Action* Create, delete, or edit a pair or copy group, or add or delete one or more nodes, and then retry the operation.
KAVN00488-E	An attempt to return to the previous window has failed.	*Cause* An attempt to return to the previous window has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00490-E	An attempt to acquire an object has failed.	*Cause* The specified object might have already been deleted. *Action* Re-display the window, and then check the target object.
KAVN00491-E	An attempt to add a pool has failed.	*Cause* An attempt to add a pool has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00492-E	An attempt to edit a pool has failed.	*Cause* An attempt to edit a pool has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00493-E	An attempt to delete a pool has failed.	*Cause* An attempt to delete a pool has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00494-E	An attempt to acquire pool processing results has failed.	*Cause* An attempt to acquire pool processing results has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00495-E	The number of pool volumes exceeds the maximum.	*Cause* The number of pool volumes exceeds the maximum. *Action* Delete unnecessary pool volumes.
KAVN00496-E	The specified topology operation is invalid.	*Cause* You cannot move to the next window, because the specified topology operation is invalid. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00497-E	An attempt to specify a selectable copy type has failed.	*Cause* An attempt to specify a selectable copy type has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00498-E	Copy group information cannot be acquired.	*Cause* Copy group information cannot be acquired. *Action* Make sure that the copy group information specified in the task exists.
KAVN00499-E	There are no selectable copy types.	*Cause* There are no selectable copy types. *Action* Check the configuration of the copy group you want to create.

Message ID	Message Text	Description
KAVN00503-E	An attempt to execute "Periodical Refresh for Configuration" has failed. (information source = *Information Source*)	*Cause* Periodic refreshing of the configuration information could not be executed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00504-E	An attempt to execute "Periodical Refresh for Pair Status" has failed. (information source = *Information Source*)	*Cause* Periodic refreshing of the pair status could not be executed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00505-E	An attempt to execute "Periodical Refresh for Pair Status" has failed. (target = copy groups defined on a pair management server, pair management server = *pair-management-server*)	*Cause* Periodic refreshing of the pair status could not be executed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00506-E	An attempt to update the copy information has failed. The latest configuration information is not displayed in the Replication Manager window.	*Cause* An error occurred while the configuration information was being updated. *Action* Correct the error according to the error message that was output to the Replication Manager event log.
KAVN00507-E	Resource information cannot be displayed for the specified storage system.	*Cause* The specified storage system might not support the displaying of resource information. *Action* Check the type of the specified storage system.
KAVN00508-E	An attempt to distribute a pair definition has partially failed. (copy group name = *Copy Group Name*)	*Cause* A pair definition could only be partially distributed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00509-E	An error occurred in internal processing, but the information	*Cause*

Message ID	Message Text	Description
	source was added successfully. (information source = *Information Source*) The latest information is not displayed in the Replication Manager window.	An error occurred while the information source was being registered in Replication Manager. *Action* Restart Replication Manager, and then acquire the configuration information.
KAVN00510-E	An error occurred in internal processing, but the information source was successfully deleted. (information source = *Information Source*) The latest information is not displayed in the Replication Manager window.	*Cause* An error occurred while the information source was being deleted from Replication Manager. *Action* Restart Replication Manager, and then acquire the configuration information.
KAVN00511-E	An attempt to specify a setting related to acquiring configuration information has failed. (information source = *Information Source*) An error occurred while specifying a setting for periodically refreshing the configuration.	*Cause* An error occurred while a setting used for acquiring information source configuration information was being specified in Replication Manager. *Action* Take action according to the detailed message that was output at the same time as this message. If the problem persists, collect the maintenance information, and then contact the Support Center.
KAVN00512-E	An attempt to specify a setting related to acquiring pair status has failed. (information source = *Information Source*) An error occurred while specifying a setting for periodically refreshing the pair status.	*Cause* An error occurred while a setting used for acquiring the pair status for each information source was being specified in Replication Manager. *Action* Take action according to the detailed message that was output at the same time as this message. If the problem persists, collect the maintenance information, and then contact the Support Center.
KAVN00514-E	An attempt to acquire configuration information has failed. The requested processing has failed.	*Cause* An attempt to acquire configuration information has failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log.
KAVN00515-W	The pair status could not be acquired for some copy pairs. If Replication Manager successfully acquires copy pair	*Cause* An attempt to acquire the pair status of some copy pairs has failed.

Message ID	Message Text	Description
	information, the latest information is displayed and the Last Refresh is updated. Check the Last Refresh and confirm whether the target information was updated. If the target information was not updated, refer to the event logs to find the cause of the failure and solve the problem, and then refresh the pair status again.	*Action* If Replication Manager successfully acquires copy pair information, the latest information is displayed and the last refresh time is updated. Check the last refresh time and confirm whether the target information has been updated. If the desired information has not been updated, resolve the problem according to the detailed message that was output at the same time as this message, and then try to refresh the pair status again.
KAVN00516-E	An attempt to acquire the pair status has failed. The requested processing has failed. Refer to the event logs to find the cause of the failure and solve the problem, and then refresh the pair status again.	*Cause* An attempt to acquire the pair status has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00517-W	The pair status cannot be acquired because there is no target pair. (information source = *Information Source*)	*Cause* Pair statuses could not be acquired during periodic refreshing because there are no copy pairs in the Device Manager specified as an information source currently being managed by Replication Manager. *Action* If no configuration information has been acquired yet from the Device Manager specified as an information source, acquire the configuration information. Also, make sure that pairs have been registered in the Device Manager specified as an information source.
KAVN00518-E	An attempt to specify settings for pair status acquisition has failed. (target = copy groups defined on a pair management server, pair management server = *pair-management-server*) The error occurred when setting periodical refreshing of the pair status.	*Cause* An error occurred while the acquisition of pair statuses for each pair management server was being set up in Replication Manager. *Action* Take action according to the detailed message that was output at the same time as this message. If the problem persists, collect the maintenance information, and then contact the Support Center.

Message ID	Message Text	Description
KAVN00519-E	An error occurred while periodic refreshing was being set up.	*Cause* An error occurred while periodic refreshing was being set up. *Action* Take action according to the detailed message that was output at the same time as this message. If the problem persists, collect the maintenance information, and then contact the Support Center.
KAVN00520-W	The pair status cannot be acquired because there is no target pair. (pair management server = *Pair Management Server*)	*Cause* The pair statuses cannot be periodically acquired because no pairs are being managed by the pair management server. *Action* Register a pair on the pair management server, and then acquire the configuration information.
KAVN00521-E	An error occurred during update of the configuration information, but the information source was deleted successfully. The latest configuration information is not displayed in the Replication Manager window.	*Cause* The information source was deleted successfully, but an error occurred while the configuration information was being updated. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00522-E	An error occurred in internal processing, but the setting of the information source was changed successfully. (information source = *Information Source*) The latest information is not displayed in the Replication Manager window.	*Cause* An error occurred while the information source was being registered in Replication Manager. *Action* Restart Replication Manager, and then acquire the configuration information.
KAVN00523-E	An error occurred while canceling the Maintenance mode.	*Cause* An error occurred while maintenance mode was being exited from. *Action* Take action according to the detailed message that was output at the same time as this message, and then restart Replication Manager. If the problem persists, collect the maintenance information, and then contact the Support Center.

Message ID	Message Text	Description
KAVN00524-E	An attempt to change a pair name has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00525-E	An attempt to create or edit a pair definition has partially failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* An attempt to create or edit some of the pair definitions failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00526-E	An attempt to delete a pair definition has partially failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* An attempt to delete some of the pair definitions has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00528-E	An attempt to perform an operation on a pair has partially failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* An attempt to perform an operation on some of the pairs has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00529-E	An attempt to delete a pair has partially failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* An attempt to delete some of the pairs has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN00531-E	The pair operation cannot be executed.	*Cause* The pair operation could not be executed, because the pair operation cannot be executed for at least one of the target pairs. *Action* Take action according to the detailed message that was output at the same

Message ID	Message Text	Description
		time as this message, and then retry the operation.
KAVN00535-E	An attempt to change the pair status has failed. ({*copy-pair-name* | *copy-group-name*}: {split | resync | restore})	*Cause* An attempt to change the copy pair status has failed. *Action* After taking action according to the detailed message that was output at the same time as this message, retry the operation. Some operations cannot be performed, depending on the configuration or the status of the copy pair. To check whether the operation you are attempting can be performed, check the current status of the copy pair, the pair configuration (such as whether it is a cascade configuration), and the status of the copy pair in the copy group. You can also refer to the manuals that cover volume replication.
KAVN00536-E	An attempt to update the status after an operation to change the pair status has failed. ({*copy-pair-name* | *copy-group-name*}: {split | resync | restore})	*Cause* An attempt to update the pair status after an operation changed the copy pair status has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then update the status of the copy pair for which you attempted to change the pair status.
KAVN00537-E	An attempt to acquire a resource group has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00538-E	An attempt to update a resource group has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00539-E	An attempt to delete a resource group has failed.	*Cause*

Message ID	Message Text	Description
		An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00540-E	An attempt to add a resource group has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00541-E	A resource group with the same name has already been registered. (resource group name = *resource-group-name*)	*Cause* A resource group was added that has the same name as a group that has already been registered. *Action* Change the resource group name to a unique name, and then register the resource group again.
KAVN00542-E	No resource group with the specified name exists.	*Cause* An attempt was made to perform an operation on a resource group that does not exist. *Action* Check if another administrator deleted the resource group. Re-display the resource group list, and check the registered resource groups.
KAVN00543-E	An attempt to acquire a site has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00544-E	An attempt to update a site has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN00545-E	An attempt to delete a site has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00546-E	An attempt to add a site has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00547-E	A site has already been registered with the site name. (site name = *site-name*)	*Cause* A site was added that has the same name as a site that has already been registered. *Action* Change the site name to a unique name, and then register the site again.
KAVN00548-E	No site with the specified name exists.	*Cause* An attempt was made to perform an operation on a site that does not exist. *Action* Check if another administrator deleted the site. Re-display the site list, and check the registered sites.
KAVN00549-E	An attempt to acquire a task has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00550-E	An attempt to update a task has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN00551-E	An attempt to delete a task has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00552-E	An attempt to add a task has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00553-E	Registration of a task has failed.	*Cause* Registration of a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00554-E	No task with the specified task ID exists. (task ID = *task-ID*)	*Cause* An attempt was made to perform an operation on a task that does not exist. *Action* Check if another administrator deleted the task. Re-display the task list, and check the registered tasks.
KAVN00555-E	An attempt to edit the workflow has failed.	*Cause* An attempt to edit the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00556-E	An attempt to delete the workflow has failed.	*Cause* An attempt to delete the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN00557-E	An attempt to acquire the workflow has failed.	*Cause* An attempt to acquire the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00558-E	An attempt to register the workflow has failed.	*Cause* An attempt to register the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00559-E	An attempt to acquire the status of a task necessary for editing the workflow has failed. (workflow name = *Workflow*)	*Cause* An attempt to acquire the status of a task necessary for editing the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00560-E	An attempt to acquire task necessary for deleting workflow has failed. (workflow = *Workflow*)	*Cause* An attempt to acquire the status of a task necessary for deleting the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00561-E	An attempt to start the Pair Configuration Wizard has failed.	*Cause* An attempt to start the Pair Configuration Wizard has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00562-E	An attempt to acquire topology information has failed.	*Cause* An attempt to acquire topology information has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00563-E	An attempt to acquire group information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00564-E	An attempt to create a pair group has failed.	*Cause* An attempt to create a pair group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00565-E	An attempt to delete a group has failed.	*Cause* An attempt to delete a pair group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00566-E	An attempt to assign a pair group to a copy group has failed.	*Cause* An attempt to assign a pair group to a copy group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00567-E	An attempt to release a pair group from a copy group has failed.	*Cause* An attempt to release a pair group from a copy group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00568-E	An attempt to acquire copy group information has failed.	*Cause* An attempt to access the database has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00569-E	An attempt to create a copy group has failed.	*Cause* An attempt to create a copy group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00570-E	An attempt to delete a copy group has failed.	*Cause* An attempt to delete a copy group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00571-E	An attempt to acquire pair information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00572-E	An attempt to add a pair has failed.	*Cause* An attempt to add a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00573-E	An attempt to delete a pair has failed.	*Cause* An attempt to delete a pair has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00574-E	An attempt to acquire task information has failed.	*Cause* An attempt to access the database has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00575-E	An attempt to create a task has failed.	*Cause* An attempt to create a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00576-E	An attempt to add a command device has failed. (volume = *Volume*)	*Cause* An attempt to add a command device has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00577-E	An attempt to delete a command device has failed.	*Cause* An attempt to delete a command device has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation. If the error occurs again, an error might have occurred on the Device Manager server. See the Replication Manager log, and also the Device Manager server log if necessary, and then resolve the problem.
KAVN00578-E	An attempt to edit a command device has failed.	*Cause* An attempt to edit a command device has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00579-E	An attempt to acquire the result of processing on a command device has failed.	*Cause* An attempt to acquire the result of processing on a command device has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00580-E	An attempt to add a journal group has failed.	*Cause* An attempt to add a journal group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation. If the error occurs again, Replication Manager might not be up-to-date. Refresh the storage system, and then retry the operation.
KAVN00581-E	An attempt to delete a journal group has failed.	*Cause* An attempt to delete a journal group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation. If the error occurs again, Replication Manager might not be up-to-date. Refresh the storage system, and then retry the operation.
KAVN00582-E	An attempt to edit a journal group has failed.	*Cause* An attempt to edit a journal group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation. If the error occurs again, Replication Manager might not be up-to-date. Refresh the storage system, and then retry the operation.
KAVN00583-E	An attempt to acquire the result of processing on a journal group has failed.	*Cause* An attempt to acquire the result of processing on a journal group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00584-E	The number of journal volumes exceeds the maximum.	*Cause* The number of journal volumes exceeds the maximum.

Message ID	Message Text	Description
		Action Delete unnecessary journal volumes.
KAVN00585-I	A journal group was successfully deleted.	*Cause* A journal group was successfully deleted. *Action* No action is required.
KAVN00586-E	An attempt to perform post-processing failed after a command device was successfully edited.	*Cause* An attempt to perform post-processing failed after a command device was successfully edited. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00587-E	An attempt to perform post-processing failed after a command device was successfully deleted.	*Cause* An attempt to perform post-processing failed after a command device was successfully deleted. *Action* Take action according to the detailed message that was output concurrently with this message, and then execute Refresh Storage Systems.
KAVN00588-E	The command device has already been deleted. (volume = *Volume*)	*Cause* The command device has already been deleted. *Action* Refresh the configuration information. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
KAVN00589-E	An attempt to perform journal pool processing has failed.	*Cause* An attempt to perform journal pool processing has failed. *Action* An error might have occurred on the Device Manager server. Review the Replication Manager log and, if necessary, the Device Manager server log, and then resolve the problem.
KAVN00590-E	An unexpected error occurred.	*Cause* An unexpected error occurred in the Replication Manager internal interface.

Message ID	Message Text	Description
		Action Contact the Support Center.
KAVN00591-E	A fatal error occurred.	*Cause* A fatal error occurred in Replication Manager. *Action* Take action according to the detailed message that was output at the same time as this message, and then restart Replication Manager. If the error occurs again, or if a detailed message was not output, contact the Support Center.
KAVN00592-E	An attempt to perform post-processing failed after a pool was successfully added.	*Cause* An attempt to perform post-processing failed after a pool was successfully added. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00593-E	An attempt to perform post-processing failed after a pool was successfully edited.	*Cause* An attempt to perform post-processing failed after a pool was successfully edited. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00594-E	An attempt to perform post-processing failed after a pool was successfully deleted.	*Cause* An attempt to perform post-processing failed after a pool was successfully deleted. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00595-E	An attempt to perform post-processing failed after a journal group was successfully added.	*Cause* An attempt to perform post-processing failed after a journal group was successfully added. *Action* Take action according to the detailed message output at the same time as

Message ID	Message Text	Description
		this message, and then refresh the storage system information.
KAVN00596-E	An attempt to perform post-processing failed after a journal group was successfully edited.	*Cause* An attempt to perform post-processing failed after a journal group was successfully edited. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00597-E	An attempt to perform post-processing failed after a journal group was successfully deleted.	*Cause* An attempt to perform post-processing failed after a journal group was successfully deleted. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00599-E	Failed to perform the pool operation.	*Cause* A request to the Device Manager server failed, or the pool operation stopped for some reason. *Action* Correct the error according to the detailed message that was output concurrently with this message.
KAVN00601-E	The selected operation cannot be performed.	*Cause* The specified operation cannot be performed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00602-E	An attempt to cancel a task failed.	*Cause* An attempt to cancel a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00603-E	An attempt to execute a task failed.	*Cause* An attempt to execute a task has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00604-E	An attempt to update a task failed.	*Cause* An attempt to update a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00605-E	An attempt to add a remote path has failed.	*Cause* An attempt to add a remote path has failed. *Action* Follow the instructions in the detailed message that was output with this message, and then retry the operation. For a midrange storage system, confirm whether a command device is available in the storage system. If not, create a command device, and then retry the operation.
KAVN00606-E	An attempt to edit a remote path has failed.	*Cause* An attempt to edit a remote path has failed. *Action* Follow the instructions in the detailed message that was output with this message, and then retry the operation. For a midrange storage system, confirm whether a command device is available in the storage system. If not, create a command device, and then retry the operation.
KAVN00607-E	An attempt to delete a remote path has failed.	*Cause* An attempt to delete a remote path has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00608-E	An attempt to perform post-processing failed after a remote path was successfully added.	*Cause* An attempt to perform post-processing failed after a remote path was successfully added.

Message ID	Message Text	Description
		Action Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00609-E	An attempt to perform post-processing failed after a remote path was successfully edited.	*Cause* An attempt to perform post-processing failed after a remote path was successfully edited. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00610-E	An attempt to perform post-processing failed after a remote path was successfully deleted.	*Cause* An attempt to perform post-processing failed after a remote path was successfully deleted. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00611-E	Remote path processing completed, but acquisition of processing results failed.	*Cause* An attempt to acquire the results of processing performed on a remote path has failed. *Action* Take action according to the detailed message output at the same time as this message, and then retry the operation.
KAVN00612-E	Port processing completed, but acquisition of processing results failed.	*Cause* An attempt to acquire the results of processing performed on a port has failed. *Action* Take action according to the detailed message output at the same time as this message, and then retry the operation.
KAVN00613-E	An attempt to add the Application Agent failed.	*Cause* An attempt to add Application Agent has failed. *Action* Take action according to the detailed message that was output at the same

Message ID	Message Text	Description
		time as this message, and then retry the operation.
KAVN00614-E	An attempt to edit the Application Agent failed.	*Cause* An attempt to edit Application Agent has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00615-E	An attempt to delete the Application Agent failed.	*Cause* An attempt to delete Application Agent has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00616-E	An attempt to refresh the Application Agent information failed.	*Cause* An attempt to refresh Application Agent information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00618-E	An attempt to setup the Application Agent failed.	*Cause* An attempt to set up Application Agent has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00619-E	The Application Agent was successfully set up, but processing to consolidate data protection status failed.	*Cause* An attempt to consolidate the data protection status has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00621-E	Acquisition of the Application Agent information failed.	*Cause* An attempt to acquire information regarding the database has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00622-E	The Application Agent was successfully set up, but processing to refresh the application configuration failed.	*Cause* An attempt to update application configuration information has failed. *Action* Choose **Resources** and **Application**, and then update the host information from the window that displays the list.
KAVN00623-W	The Application Agent has been successfully added, but processing to acquire the application configuration failed.	*Cause* An attempt to acquire application configuration information has failed. *Action* Open the Setup Application Agent window, select the **Acquire application configuration managed by the Application Agent during the registration** check box, and then retry the operation. If the Applications subwindow displays information for the target database server, select the server, and then update the host information. (To display the Applications subwindow, from the **Explorer** menu, choose **Resources**, and then **Applications**.)
KAVN00624-W	The Application Agent has been successfully edited, but processing to acquire the application configuration failed.	*Cause* An attempt to acquire application configuration information has failed. *Action* Open the Setup Application Agent window, select the **Acquire application configuration managed by the Application Agent during the registration** check box, and then retry the operation. If the Applications subwindow displays information for the target database server, select the server, and then update the host information. (To display the Applications subwindow, from the **Explorer** menu, choose **Resources**, and then **Applications**.)
KAVN00625-E	An attempt to start the Create Replica Wizard has failed.	*Cause* An attempt to start the Create Replica Wizard has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00626-E	An attempt to display the Create Replica Wizard Select Target screen has failed.	*Cause* An attempt to display the Select Target window in the Create Replica Wizard has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00627-E	An attempt to add a DMLU has failed.	*Cause* An attempt to add a DMLU has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00628-E	An attempt to add a command device has failed.	*Cause* An attempt to add a command device has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00629-E	An attempt to perform remote path processing has failed.	*Cause* An attempt to perform remote path processing has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00630-E	Processing of a reverse path failed.	*Cause* Processing for a reverse-direction path failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00631-E	Processing of a forward path failed.	*Cause* Processing for a forward path failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00632-E	An attempt to change port attributes has failed.	*Cause* An attempt to change port attributes has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00633-E	An attempt to select a target for changing the replica settings failed.	*Cause* An attempt to select a target for editing replica settings has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00634-E	Processing to set options for creating a replica failed.	*Cause* An attempt to set replica creation options has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00635-E	Processing to set options for changing the replica settings failed.	*Cause* An attempt to set editing replica settings options has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00636-E	Processing to set a schedule for creating a replica failed.	*Cause* An attempt to set replica creation schedule settings has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00637-E	Processing to set a schedule for changing the replica settings failed.	*Cause* An attempt to set settings for editing replica schedules has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00638-E	An attempt to create a replica failed.	*Cause* An attempt to create a replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00639-E	An attempt to change the replica settings failed.	*Cause* An attempt to edit a replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00641-E	Acquisition of copy group information failed.	*Cause* An attempt to acquire copy group information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00642-E	An attempt to create a pair group failed.	*Cause* An attempt to create a pair group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00643-E	Acquisition of the DEVN details failed.	*Cause* An attempt to acquire DEVN details has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00644-E	An attempt to start the Pair Configuration wizard failed.	*Cause* An attempt to start the Pair Configuration Wizard has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00645-E	Registration of the workflow failed.	*Cause* The attempt to register the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00646-E	An attempt to assign a pair group to a copy group failed.	*Cause* An attempt to assign a pair group to a copy group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00647-E	An attempt to release a pair group from a copy group failed.	*Cause* An attempt to release a pair group from a copy group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00648-E	The specified topology operation is invalid.	*Cause* An invalid topology operation was performed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00649-E	An attempt to mount the replica failed.	*Cause* An attempt to start a mounted replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00650-E	The replica mount operation failed.	*Cause*

Message ID	Message Text	Description
		An attempt to mount a replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00651-E	An attempt to start the Restore Replica wizard failed.	*Cause* An attempt to start the Restore Replica Wizard has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00652-E	Processing to select the target replica to be restored failed.	*Cause* An attempt to select the replica target has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00653-E	Processing to set replica options failed.	*Cause* An attempt to set replica options has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00654-E	An attempt to edit a disk configuration definition file failed.	*Cause* An attempt to edit a disk configuration definition file has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00655-E	Device Manager has been successfully edited, but processing to acquire the copy pair configuration failed.	*Cause* Device Manager has been successfully edited, but processing to acquire the copy pair configuration failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log.

Message ID	Message Text	Description
KAVN00656-E	Business Continuity Manager or Mainframe Agent has been successfully edited, but processing to acquire the copy pair configuration failed.	*Cause* Business Continuity Manager or Mainframe Agent has been successfully edited, but processing to acquire the copy pair configuration failed. *Action* Correct the error according to the error message that was output to the Replication Manager event log.
KAVN00657-E	An attempt to restore the replica failed.	*Cause* An attempt to restore a replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00658-E	An attempt to unmount the replica failed.	*Cause* An attempt to start an unmounted replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00659-E	The replica unmount operation failed.	*Cause* An attempt to unmount a replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00661-E	An attempt to create a V-VOL failed.	*Cause* An attempt to create a V-VOL has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00662-E	A V-VOL was successfully created, but post-processing failed.	*Cause* Post-processing failed after a V-VOL was successfully created. *Action* Take action according to the detailed message output at the same time as

Message ID	Message Text	Description
		this message, and then refresh the storage system information.
KAVN00663-E	A V-VOL was successfully deleted, but post-processing failed.	*Cause* Post-processing failed after a V-VOL was successfully deleted. *Action* Take action according to the detailed message output at the same time as this message, and then refresh the storage system information.
KAVN00664-E	V-VOL processing failed.	*Cause* A V-VOL failed to be processed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00665-E	The maximum number of primary LDEVs that can be added has been exceeded.	*Cause* The maximum number of primary LDEVs that can be added has been reached. *Action* Delete any unnecessary primary LDEVs.
KAVN00666-E	An attempt to create a V-VOL group failed.	*Cause* An attempt to create a V-VOL group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00667-E	An attempt to delete a V-VOL failed.	*Cause* An attempt to delete a V-VOL has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00668-E	The selected V-VOLs cannot be deleted.	*Cause* The selected V-VOLs cannot be deleted. *Action* Take action according to the detailed message that was output at the same

Message ID	Message Text	Description
		time as this message, and then retry the operation.
KAVN00673-E	Processing to select a target in the Create Replica wizard failed.	*Cause* In the Create Replica wizard, an attempt to select a target has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00674-E	An attempt to add V-VOLs to an existing V-VOL group failed.	*Cause* An attempt to add V-VOLs to an existing V-VOL group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00675-E	An attempt to update the user role information failed.	*Cause* An attempt to update the user role information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00676-E	Acquisition of user information failed.	*Cause* An attempt to obtain user information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00677-E	Acquisition of the results of processing on a V-VOL failed.	*Cause* An attempt to acquire the results of V-VOL processing has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00682-E	An attempt to delete a task failed.	*Cause* An attempt to delete one or more tasks has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00683-E	An attempt to add an instance configuration failed.	*Cause* An attempt to add instance information has failed. *Action* Revise the configuration, and then retry the operation.
KAVN00684-E	The operation cannot continue.	*Cause* The operation cannot be continued. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00685-E	The selected pair is not operable.	*Cause* Operations cannot be performed on the selected pair. *Action* Select a copy pair on which operations can be performed.
KAVN00686-E	An attempt to delete a V-VOL has failed.	*Cause* An attempt to delete a V-VOL has failed. *Action* Take action according to the detailed information included with this message, and then retry the operation.
KAVN00687-E	The maximum number of pairs that can be operated on has been exceeded.	*Cause* The maximum number of pairs on which operations can be performed has been reached. *Action* In the Criteria window, narrow down the number of pairs on which operations are to be performed.
KAVN00688-E	The maximum number of V-VOL groups that can be created has been exceeded.	*Cause* The maximum number of V-VOL groups that can be created has been reached. *Action* Delete any unnecessary V-VOL groups.

Message ID	Message Text	Description
KAVN00689-E	An attempt to perform V-VOL processing has failed.	*Cause* An attempt to perform V-VOL processing has failed. *Action* An error might have occurred on the Device Manager server. Review the Replication Manager log and, if necessary, the Device Manager server log, and then resolve the problem.
KAVN00690-E	An attempt to execute a task failed.	*Cause* An attempt to execute a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00691-E	Processing to return to the previous window failed.	*Cause* An attempt to return to the previous window has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00692-E	Acquisition of site information or host information of the copy group failed.	*Cause* An attempt to acquire the site or host information of the copy group has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00693-E	Acquisition of the workflow failed.	*Cause* An attempt to acquire the workflow has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00694-E	The maximum number of Primary LDEVs that can be added has been exceeded.	*Cause* The maximum number of primary LDEVs that can be set has been reached. *Action*

Message ID	Message Text	Description
		Delete any unnecessary primary LDEVs from the target LDEV list.
KAVN00695-E	The V-VOLs cannot be created, because the number of V-VOLs will exceed the maximum number of V-VOLs in the V-VOL group.	*Cause* The V-VOLs cannot be created because the number of V-VOLs in the V-VOL group exceed the maximum allowable number. *Action* Reduce the specified number of V-VOLs, and then retry the operation.
KAVN00696-E	Acquisition of troubleshoot information failed.	*Cause* An attempt to access a database failed, or an unexpected error occurred while the Troubleshooting Information window was being opened. *Action* Update the window from which the Troubleshooting Information window was opened, and then retry the operation.
KAVN00697-E	An attempt to update the information stores failed.	*Cause* An attempt to set the Excluded status for the information stores has failed. *Action* Display the information store list and make sure that the information exists. If the information exists, retry the operation.
KAVN00701-E	An attempt to acquire an alert setting has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00702-E	An attempt to update a task failed.	*Cause* An attempt to refresh one or more tasks has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00703-E	An attempt to update an alert setting has failed.	*Cause* An attempt to access the database has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00704-E	An attempt to delete an alert setting has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00705-E	An attempt to add an alert setting has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00707-E	The alert setting cannot be registered.	*Cause* The alert setting cannot be registered because the number of registered alert settings is already at the maximum. *Action* Delete any unnecessary alert settings, and then retry the operation.
KAVN00708-E	The specified value is invalid.	*Cause* The entered value is invalid. *Action* Check the value according to the detailed message, and if necessary, correct it, and then retry the operation.
KAVN00709-E	An attempt to set up the following cluster nodes failed:	*Cause* A cluster node failed to be set up. *Action* Check the detailed message to determine which specified values are invalid, specify valid values, and then retry the operation.
KAVN00710-E	An alert setting has already been registered with the alert name (*alert-name*).	*Cause* The alert name has already been registered. *Action*

Message ID	Message Text	Description
		Change the alert name to a unique one, and then register the alert settings again.
KAVN00711-E	The specified alert setting (*alert-name*) does not exist.	*Cause* The alert setting has already been deleted. *Action* Check if another administrator had deleted the alert setting. Re-display the alert setting list, and check the registered alert settings.
KAVN00712-E	An attempt to send an alert for testing has failed.	*Cause* An attempt to execute the test alert function has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00713-E	An attempt to update the host information failed.	*Cause* An attempt to refresh the host information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00714-E	The system environment is invalid.	*Cause* The system environment is invalid. *Action* Enter a valid license key.
KAVN00715-E	This license key is invalid.	*Cause* The license key is invalid. *Action* Enter a valid license key.
KAVN00716-E	The license key file does not contain a valid license key.	*Cause* There are no valid license keys in the license key file. *Action* Use a license key file that contains a valid license key.
KAVN00717-E	An attempt to acquire the information source has failed.	*Cause* An attempt to access the database has failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00718-E	An attempt to update an information source has failed. (name = *name*)	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00719-E	An attempt to delete an information source has failed. (name = *name*)	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00720-E	An attempt to add an information source has failed. (name = *name*)	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00721-E	An attempt to connect to the information source has failed.	*Cause* The entered value cannot be used for connecting to the information source. One or more of the following information source items are invalid: the version, user ID, or password. *Action* After taking action according to the detailed message that was output at the same time as this message, change the entered value, and then retry the operation.
KAVN00722-E	An information source with the same name or host ID has already been registered. (name = *name*, host ID = *hostID*)	*Cause* The same name or host ID has already been registered. *Action* Change the name or host ID to a unique one, and then retry the operation.

Message ID	Message Text	Description
KAVN00723-E	The information source of the specified name (*name*) does not exist.	*Cause* An attempt was made to delete or edit an information source that was not registered in Replication Manager. *Action* Check if another administrator deleted the information source at the same time that you attempted your operation. Re-display the information source list, and check the settings. If necessary, add the information source.
KAVN00724-E	The connection information in the information source might already have been deleted. (name = *name*)	*Cause* The information source with the specified name has already been edited. *Action* Check if another administrator edited the information source at the same time that you attempted your operation. Re-display the information source list, and check the settings. Edit the information source if the settings contain an error.
KAVN00725-E	An attempt to acquire monitoring settings has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00726-E	The information of the pair management server does not exist.	*Cause* The information source has already been deleted. *Action* Check if another administrator deleted the information source at the same time that you attempted your operation. Re-display the information source list, and check the settings. Add the information source if necessary.
KAVN00727-E	An attempt to update monitoring settings has failed.	*Cause* An attempt to access the database has failed. *Action* After taking action according to the detailed message that was output at

Message ID	Message Text	Description
		the same time as this message, and then retry the operation.
KAVN00728-E	An attempt to acquire configuration settings has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00729-E	An attempt to update configuration settings has failed.	*Cause* An attempt to access the database has failed. *Action* After taking action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00730-E	An attempt to refresh the configuration has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00731-E	An attempt to acquire resource information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00732-E	The specified resource has already been registered in the alert settings.	*Cause* There are no new resources to be added to the alert settings. *Action* Check the specified resources.
KAVN00733-E	An attempt to register a template has failed. (template = *template*)	*Cause* An attempt to access the database has failed. *Action* After taking action according to the detailed message that was output at the same time as this message,

Message ID	Message Text	Description
		change the entered value, and then retry the operation.
KAVN00734-E	An attempt to acquire an alert has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00735-E	There is no alert information. (date/time = *date-time of alert*)	*Cause* The alert information does not exist. *Action* Re-display the alert list. If the target alert information does not exist, the expiration date for the data has passed and the data has been deleted. No action is required.
KAVN00736-E	An attempt to edit "My Copy Groups" has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00737-E	An attempt to refresh "My Copy Groups" information has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00738-W	The "My Copy Groups" to be refreshed does not exist.	*Cause* No My Copy Groups information managed by Replication Manager needs to be refreshed. *Action* Display the window for editing My Copy Groups and check the registered settings. If necessary, re-register copy groups into My Copy Groups, and then update the My Copy Groups information.
KAVN00739-E	An attempt to mark an alert as completed has failed.	*Cause* An attempt to access the database has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00740-E	An attempt to enable alerts has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00741-E	An attempt to disable alerts has failed.	*Cause* An attempt to access the database has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN00742-E	The resource cannot be registered in the alert settings.	*Cause* The resource cannot be registered in the alert settings because this resource has different metrics. *Action* Select the resource so that it has the same metrics as other registered resources, and then try to set the alert again.
KAVN00743-E	An attempt to update an instance configuration has failed.	*Cause* An attempt to update an instance configuration has failed. *Action* Review the configuration, referring to the message that was output at the time of the failure, and then retry the operation.
KAVN00745-E	The number of target pairs exceeded the maximum.	*Cause* More than 10,000 pairs were selected for the operation. *Action* Review the selected pairs to reduce the number of pairs to 10,000 or less.
KAVN00746-E	An attempt to go to the next window has failed.	*Cause* An attempt to go to the next window has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message.
KAVN00790-E	An attempt to update the Databases has failed.	*Cause* An attempt to set Excluded for database information has failed. *Action* Display the list of databases and check if the information exists. If the information exists, retry the operation.
KAVN00791-E	An attempt to delete a selected resource has failed.	*Cause* All resources were selected for deletion. *Action* Select only some of the resources, and then retry the operation.
KAVN01800-I	The CCI instance has stopped successfully.	*Cause* The CCI instance (HORCM instance) has stopped successfully. *Action* No action is required.
KAVN01801-I	The CCI instance has started.	*Cause* The CCI instance (HORCM instance) has stopped successfully. *Action* No action is required.
KAVN01802-I	The CCI instance has already stopped.	*Cause* The CCI instance (HORCM instance) has stopped successfully. *Action* No action is required.
KAVN01803-I	The CCI instance has stopped.	*Cause* The CCI instance (HORCM instance) has stopped. *Action* No action is required.
KAVN01804-E	An error occurred while acquiring the status of the CCI instance.	*Cause* An attempt to acquire the CCI instance (HORCM instance) status has failed. *Action* Check the status of CCI, and then correct the problem. Then, retry the operation.

Message ID	Message Text	Description
KAVN01805-E	A supported version of CCI was not found.	*Cause* The prerequisite version of CCI for Replication Manager was not found. *Action* Install the prerequisite version of CCI for Replication Manager, and then retry the operation.
KAVN01806-E	CCI was not found.	*Cause* CCI is not installed. *Action* Install the prerequisite version of CCI for Replication Manager, and then retry the operation.
KAVN01807-E	An argument other than "-stop" has been specified.	*Cause* An argument other than the `-stop` is specified on the command line. *Action* Check the argument, and then re-execute the command.
KAVN01808-I	Collection of maintenance information from the Replication Manager agent will now start.	*Cause* The collection of maintenance information from the Replication Manager agent has started. *Action* No action is required.
KAVN01809-I	Collection of maintenance information from the Replication Manager agent has ended.	*Cause* The collection of maintenance information from the Replication Manager agent has ended. *Action* No action is required.
KAVN01811-E	The specified directory cannot be accessed.	*Cause* The directory specified as an argument of the `hrpm_getras` command cannot be accessed. *Action* Check whether the directory specified as an argument exists and whether access permission is granted for the user, and then retry the operation.
KAVN01812-E	An error occurred during collection of maintenance information from the Replication Manager agent.	*Cause* An error occurred in the `TIC` command of the Device Manager agent during the collection of maintenance information from the Replication Manager agent.

Message ID	Message Text	Description
		Action Re-execute the `TIC` command of the Device Manager agent. If the error occurs again, change the value of the argument, and then re-execute the command. If the problem cannot be corrected, contact the Support Center.
KAVN01813-E	The specified parameter value is invalid.	*Cause* Multiple arguments are specified, or the argument is specified incorrectly. *Action* Specify a single argument, and then re-execute the `TIC` command of the Device Manager agent. If the error still occurs, change the value of the argument, and then re-execute the command. If the problem cannot be corrected, contact the Support Center.
KAVN02300-I	The number of resources being managed has been calculated. (open system copy pairs = *The number of Resources*)	*Cause* The number of open system copy pairs managed by Replication Manager was calculated. *Action* No action is required.
KAVN02301-I	The number of resources being managed was calculated. (number of LDEVs in open systems managed by remote Device Manager instances = *The number of Resources*)	*Cause* Replication Manager calculated the number of LDEVs in open systems managed by remote Device Manager instances. *Action* No action is required.
KAVN02302-I	The number of resources being managed has been calculated. (mainframe system copy pairs = *The number of Resources*)	*Cause* The number of mainframe system copy pairs managed by Replication Manager was calculated. *Action* No action is required.
KAVN02303-I	The number of resources being managed has been calculated. (mainframe system LDEVs = *The number of Resources*)	*Cause* The number of mainframe system LDEVs managed by Replication Manager was calculated. *Action* No action is required.
KAVN02306-E	An attempt to edit a Disk Configuration Definition File has partially failed.	*Cause* Part of a disk configuration definition file failed to be edited. *Action*

Message ID	Message Text	Description
	(information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	Take action according to the detailed message that was output at the same time as this message.
KAVN02307-I	Editing Disk Configuration Definition File has started. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Editing of a disk configuration definition file has started. *Action* No action is required.
KAVN02308-I	Editing Disk Configuration Definition File has finished. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Editing of a disk configuration definition file has finished. *Action* No action is required.
KAVN02309-E	An attempt to edit Disk Configuration Definition File has failed. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* An attempt to edit a disk configuration definition file has failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN02312-E	An attempt to distribute a Disk Configuration Definition File has partially failed. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Part of a disk configuration definition file failed to be distributed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN02313-I	Distributing Disk Configuration Definition File has started. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Distribution of a disk configuration definition file has started. *Action* No action is required.
KAVN02314-I	Distributing Disk Configuration Definition File has finished. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Distribution of a disk configuration definition file has finished. *Action* No action is required.
KAVN02315-E	An attempt to distribute Disk Configuration Definition File has failed. (information source = *Information Source*, Prefix = Prefix, DiskConfig = *DiskConfig*)	*Cause* An attempt to distribute a disk configuration definition file has failed. *Action* Take action according to the detailed message that was output at the same time as this message.

Message ID	Message Text	Description
KAVN02316-I	The distribution task has started. (task ID = *Task ID*)	*Cause* Distribution has started. *Action* No action is required.
KAVN02317-I	The distribution task has finished. (task ID = *Task ID*)	*Cause* Distribution has finished. *Action* No action is required.
KAVN02318-I	The task that changes the primary host has started. (task ID = *Task ID*)	*Cause* Changing of the primary host has started. *Action* No action is required.
KAVN02319-I	The task that changes the primary host has finished. (task ID = *Task ID*)	*Cause* Changing of the primary host has finished. *Action* No action is required.
KAVN02320-I	The definition pair editing task has started. (task ID = *Task ID*)	*Cause* Creation or editing of a definition pair has started. *Action* No action is required.
KAVN02321-I	The definition pair editing task has finished. (task ID = *Task ID*)	*Cause* Creation or editing of a definition pair has finished. *Action* No action is required.
KAVN02322-I	You cannot operate the mainframe system due to an incorrect version of Business Continuity Manager or Mainframe Agent. (information source = *Information Source*)	*Cause* Mainframe systems cannot be operated on due to an invalid version of Business Continuity Manager or Mainframe Agent. *Action* No action is required.
KAVN02323-W	You cannot operate the mainframe system due to Business Continuity Manager or Mainframe Agent which is having unsupported initialization parameters. (information source = *Information Source*)	*Cause* Possible causes are as follows: • Different local site DAD IDs are specified for each prefix in the initialization parameters. • A local site DAD ID specified in the initialization parameters has already been set as a local site DAD ID in the initialization

Message ID	Message Text	Description
		parameters of another Business Continuity Manager registered in Replication Manager. • The same prefix is specified more than once in the initialization parameters. *Action* Check and correct the initialization parameters, and then retry the operation.
KAVN02324-I	Updating of host information has started. (host name = *Host Name*, application type = *Application Type*)	*Cause* Updating of host information has started. *Action* No action is required.
KAVN02325-I	Host information was updated successfully. (host name = *Host Name*, application type = *Application Type*)	*Cause* Host information was updated successfully. *Action* No action is required.
KAVN02326-E	An attempt to update host information has failed. (host name = *Host Name*, application type = *Application Type*)	*Cause* An attempt to update host information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02328-I	Creation of a task has started.	*Cause* Creation of a task has started. *Action* No action is required.
KAVN02329-I	A task was created successfully. (task ID = *Task ID*)	*Cause* A task was created successfully. *Action* No action is required.
KAVN02330-E	An attempt to create a task has failed.	*Cause* An attempt to create a task has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02331-I	Editing of a task has started. (task ID = *Task ID*)	*Cause* Editing of a task has started. *Action*

Message ID	Message Text	Description
		No action is required.
KAVN02332-I	A task was edited successfully. (task ID = *Task ID*)	*Cause* A task was edited successfully. *Action* No action is required.
KAVN02333-E	An attempt to edit a task has failed. (task ID = *Task ID*)	*Cause* An attempt to edit a task has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02334-I	Execution of a task has started. (task ID = *Task ID*)	*Cause* Execution of a task has started. *Action* No action is required.
KAVN02335-I	A task was executed successfully. (task ID = *Task ID*)	*Cause* A task was executed successfully. *Action* No action is required.
KAVN02336-E	An attempt to execute a task has failed. (task ID = *Task ID*)	*Cause* An attempt to execute a task has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02337-I	Cancellation of a task has started. (task ID = *Task ID*)	*Cause* Cancellation of a task has started. *Action* No action is required.
KAVN02338-I	A task was canceled successfully. (task ID = *Task ID*)	*Cause* A task was canceled successfully. *Action* No action is required.
KAVN02339-E	An attempt to cancel a task has failed. (task ID = *Task ID*)	*Cause* An attempt to cancel a task has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02340-I	Deletion of a task has started. (task ID = *Task ID*)	*Cause* Deletion of a task has started. *Action* No action is required.

Message ID	Message Text	Description
KAVN02341-I	A task was deleted successfully. (task ID = *Task ID*)	*Cause* A task was deleted successfully. *Action* No action is required.
KAVN02342-E	An attempt to delete a task has failed. (task ID = *Task ID*)	*Cause* An attempt to delete a task has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02343-I	Updating of a task status has started. (task ID = *Task ID*)	*Cause* Updating of a task status has started. *Action* No action is required.
KAVN02344-I	A task status was updated successfully. (task ID = *Task ID*)	*Cause* A task status was updated successfully. *Action* No action is required.
KAVN02345-E	An attempt to update a task status has failed. (task ID = *Task ID*)	*Cause* An attempt to update a task status has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02346-I	The mounting of a replica has started. (information source name = *Information Source*, label = *Label*, mount point = *MountPoint*)	*Cause* The mounting of a replica has started. *Action* No action is required.
KAVN02347-I	A replica was mounted successfully. (information source name = *Information Source*, label = *Label*, mount point = *MountPoint*)	*Cause* A replica was mounted successfully. *Action* No action is required.
KAVN02348-E	An attempt to mount a replica has failed. (information source name = *Information Source*, label = *Label*, mount point = *MountPoint*)	*Cause* An attempt to mount a replica has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02349-I	The unmounting of a replica has started. (information source name = *Information Source*, label = *Label*)	*Cause* The unmounting of a replica has started. *Action*

Message ID	Message Text	Description
		No action is required.
KAVN02350-I	A replica was unmounted successfully. (information source name = *Information Source*, label = *Label*)	*Cause* A replica was unmounted successfully. *Action* No action is required.
KAVN02351-E	An attempt to unmount a replica has failed. (information source name = *Information Source*, label = *Label*)	*Cause* An attempt to unmount a replica has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02352-I	A takeover task has started. (task ID = *Task ID*)	*Cause* A takeover operation has started. *Action* No action is required.
KAVN02353-I	A takeover task has finished. (task ID = *Task ID*)	*Cause* A takeover operation has finished. *Action* No action is required.
KAVN02354-W	A takeover task has timed out. (task ID = *Task ID*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02355-I	A swap task has started. (task ID = *Task ID*)	*Cause* A swap operation has started. *Action* No action is required.
KAVN02356-I	A swap task has finished. (task ID = *Task ID*)	*Cause* A swap operation has finished. *Action* No action is required.
KAVN02357-W	A swap task has timed out. (task ID = *Task ID*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action*

Message ID	Message Text	Description
		To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02358-I	A takeover-recovery(resync) task has started. (task ID = *Task ID*)	*Cause* A takeover-recovery(resync) operation has started. *Action* No action is required.
KAVN02359-I	A takeover-recovery(resync) task has finished. (task ID = *Task ID*)	*Cause* A takeover-recovery(resync) operation has finished. *Action* No action is required.
KAVN02360-W	A takeover-recovery(resync) task has timed out. (task ID = *Task ID*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02361-I	A takeover-recovery(recreate) task has started. (task ID = *Task ID*)	*Cause* A takeover-recovery(recreate) operation has started. *Action* No action is required.
KAVN02362-I	A takeover-recovery(recreate) task has finished. (task ID = *Task ID*)	*Cause* A takeover-recovery(recreate) operation has finished. *Action* No action is required.
KAVN02363-W	A takeover-recovery(recreate) task has timed out. (task ID = *Task ID*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02364-I	A force-split task has started. (task ID = *Task ID*)	*Cause* A takeover operation has started.

Message ID	Message Text	Description
		Action No action is required.
KAVN02365-I	A force-split task has finished. (task ID = *Task ID*)	*Cause* A takeover operation has finished. *Action* No action is required.
KAVN02366-W	A force-split task has timed out. (task ID = *Task ID*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02367-I	Acquisition of replica information has started. (Database Server Name = *DatabaseServerName*, Backup Server Name = *BackupServerName*, Option = *Option*)	*Cause* The acquisition of replica information has started. *Action* No action is required.
KAVN02368-I	Acquisition of replica information has finished. (Database Server Name = *DatabaseServerName*, Backup Server Name = *BackupServerName*, Option = *Option*)	*Cause* The acquisition of replica information has finished. *Action* No action is required.
KAVN02369-E	An attempt to acquire replica information has failed. (Database Server Name = *DatabaseServerName*, Backup Server Name = *BackupServerName*, Option = *Option*)	*Cause* An attempt to acquire replica information has failed. *Action* Perform the operations described in the message that was output at the same time as this message.
KAVN02370-I	Deletion of a replica has started. (Information Source = *Information Source*, Label = *Label*, Target Generation = *TargetGeneration*)	*Cause* The deletion of a replica has started. *Action* No action is required.
KAVN02371-I	Deletion of a replica has finished. (Information Source = *Information Source*, Label = *Label*, Target Generation = *TargetGeneration*)	*Cause* The deletion of a replica has finished. *Action* No action is required.

Message ID	Message Text	Description
KAVN02372-E	An attempt to delete a replica has failed. (Information Source = *Information Source*, Label = *Label*, Target Generation = *TargetGeneration*)	*Cause* An attempt to delete a replica has failed. *Action* Perform the operations described in the message that was output at the same time as this message.
KAVN02373-W	An attempt to report an alert was skipped because a valid license key is not registered. (alert name = *Alert Name*, resource ID = *Resource ID*)	*Cause* An attempt to report an alert was made, but the attempt failed because a valid license key was not registered. *Action* To have the alert reported, open the dialog box for license registration, and enter a valid license key or license key file.
KAVN02374-I	Acquisition of the pair status has started. (target = copy groups defined on a storage system, storage system = *storage-system*)	*Cause* Acquisition of the pair status has started. *Action* No action is required.
KAVN02375-I	Acquisition of the pair status has finished. (target = copy groups defined on a storage system, storage system = *storage-system*)	*Cause* Acquisition of the pair status has finished. *Action* No action is required.
KAVN02376-E	An attempt to acquire the pair status has failed. (target = copy groups defined on a storage system, storage system = *storage-system*)	*Cause* An attempt to acquire the pair status has failed. *Action* Take action according to the detailed message that was output concurrently with this message.
KAVN02377-I	Acquisition of the pair status was skipped because there is no target pair. (target = copy groups defined on a storage system, storage system = *storage-system*)	*Cause* Acquisition of the pair status was skipped because there is no target pair. *Action* No action is required.
KAVN02378-I	Acquisition of the copy group information was skipped because the user authentication information is not in a supported format. (target = copy groups defined	*Cause* Acquisition of the the copy group information was skipped because Authentication for accessing the Storge system cannot be done. *Action*

Message ID	Message Text	Description
	on a storage system, information source = *Information Source*, storage system = *Storage System*)	No action is required. To manage copy groups defined on a storage system, change the user ID and password of the registered SVP to a format that can be used in CCI when registering the storage system in Device Manager.
KAVN02379-E	An attempt to acquire copy group information defined on the storage system has failed. (information source = *Information Source*, storage system = *Storage System*)	*Cause* An attempt to acquire copy group information defined on a storage system has failed. *Action* Take action according to the detailed message that was output concurrently with this message.
KAVN02380-I	The add node task has started. (task ID = *Task ID*)	*Cause* Node addition has started. *Action* No action is required.
KAVN02381-I	The add node task has finished. (task ID = *Task ID*)	*Cause* Node addition has finished. *Action* No action is required.
KAVN02382-I	The delete node task has started. (task ID = *Task ID*)	*Cause* Node deletion has started. *Action* No action is required.
KAVN02383-I	The delete node task has finished. (task ID = *Task ID*)	*Cause* Node deletion has finished. *Action* No action is required.
KAVN02384-I	Synchronization of configuration information started. (information source = *Information Source*)	*Cause* Synchronization of configuration information started. *Action* No action is required.
KAVN02385-I	Synchronization of configuration information is complete. (information source = *Information Source*)	*Cause* Synchronization of configuration information is complete. *Action* No action is required.
KAVN02386-E	Synchronization of configuration information	*Cause* Synchronization of configuration information failed.

Message ID	Message Text	Description
	failed. (information source = *Information Source*)	*Action* Take action according to the detailed message that was output at the same time as this message.
KAVN02387-I	Refreshing of the storage system started. (information source = *Information Source*, storage system = *Storage System*)	*Cause* Refreshing of the storage system started. *Action* No action is required.
KAVN02388-I	Refreshing of the storage system was completed. (information source = *Information Source*, storage system = *Storage System*)	*Cause* Refreshing of the storage system was completed. *Action* No action is required.
KAVN02389-E	Refreshing of the storage system failed. (information source = *Information Source*, storage system = *Storage System*) The latest information possibly cannot be acquired, even if the pair status is successfully acquired right after processing.	*Cause* Refreshing of the storage system failed. *Action* Take action according to the detailed message output at the same time as this message.
KAVN02390-I	The task (modify(Freeze/Run option)) started. (task ID = *Task ID*)	*Cause* Editing of the `Freeze/Run` option started. *Action* No action is required.
KAVN02391-I	The task (modify(Freeze/Run option)) finished. (task ID = *Task ID*)	*Cause* Editing of the `Freeze/Run` option finished. *Action* No action is required.
KAVN02392-I	The task (modify(edit group name)) has started. (task ID = *Task ID*)	*Cause* Editing of the copy group name has started. *Action* No action is required.
KAVN02393-I	The task (modify(edit group name)) has finished. (task ID = *Task ID*)	*Cause* Editing of the copy group name has finished. *Action* No action is required.

Message ID	Message Text	Description
KAVN02394-I	The RMI registry service started.	*Cause* The RMI registry service started. *Action* No action is required.
KAVN02395-E	Startup of the RMI registry service failed.	*Cause* Startup of the RMI registry service failed. *Action* Verify that the port specified for the `base.rmi.port` property in the `base.properties` file is not being used by other applications, and then restart the Replication Manager service.
KAVN02396-I	The task (create volume) started. (task ID = *Task ID*)	*Cause* Volume creation started. *Action* No action is required.
KAVN02397-I	The task (create volume) finished. (task ID = *Task ID*)	*Cause* Volume creation finished. *Action* No action is required.
KAVN02398-I	The task (allocate volume) started. (task ID = *Task ID*)	*Cause* Volume allocation started. *Action* No action is required.
KAVN02399-I	The task (allocate volume) finished. (task ID = *Task ID*)	*Cause* Volume allocation finished. *Action* No action is required.
KAVN02400-I	The task (unallocate volume) started. (task ID = *Task ID*)	*Cause* Volume unallocation has started. *Action* No action is required.
KAVN02401-I	The task (unallocate volume) finished. (task ID = *Task ID*)	*Cause* Volume unallocation has finished. *Action* No action is required.
KAVN02402-I	The task (delete volume) started. (task ID = *Task ID*)	*Cause* Volume deletion has started. *Action* No action is required.

Message ID	Message Text	Description
KAVN02403-I	The task (delete volume) finished. (task ID = *Task ID*)	*Cause* Volume deletion has finished. *Action* No action is required.
KAVN02404-I	The unallocate operation was skipped for volumes with no LUNs. (task ID = *Task ID*)	*Cause* The unallocate operation was skipped for volumes with no LUNs. *Action* No action is required.
KAVN02405-I	The delete operation was skipped for volumes that could not be found. (task ID = *Task ID*)	*Cause* The `delete` operation was skipped for volumes that were not found. *Action* No action is required.
KAVN02406-I	Cancellation of the executing task is complete. (task ID = *Task ID*)	*Cause* The pair creation task finished by cancellation of a task. *Action* Check the progress of the copy operation by referring to the Hosts view or the Pair Configurations view.
KAVN02407-I	The task (modify(path group ID)) started. (task ID = *Task ID*)	*Cause* Editing of the path group ID has started. *Action* No action is required.
KAVN02408-I	The task (modify(path group ID)) finished. (task ID = *Task ID*)	*Cause* Editing of the path group ID has finished. *Action* No action is required.
KAVN02409-I	Cancellation of the currently executing task has started. (task ID = *Task ID*)	*Cause* Cancellation of the currently executing task has started. *Action* No action is required.
KAVN02410-I	A take snapshot task has started. (task ID = *Task ID*)	*Cause* A take snapshot operation has started. *Action* No action is required.
KAVN02411-I	A take snapshot task has finished. (task ID = *Task ID*)	*Cause*

Message ID	Message Text	Description
		A take snapshot operation has finished. *Action* No action is required.
KAVN02412-W	A take snapshot task has timed out. (task ID = *Task ID*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02500-E	An attempt to change the primary host has failed. (host name before the change/prefix = {*host name before the change*|*prefix*}, host name after the change/prefix = {*host name after the change*|*prefix*}, copy group name = *Copy Group Name*)	*Cause* An attempt to change the primary host has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02501-W	The processing to confirm that the pair has been deleted has timed out.	*Cause* The command was executed successfully, but a timeout occurred during confirmation-completion processing. *Action* Check the configuration information displayed by Replication Manager to make sure that pair has been deleted.
KAVN02502-E	An attempt to edit a task has failed.	*Cause* An attempt to edit a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02503-E	An attempt to change the primary host has failed. (copy group name = *Copy Group Name*)	*Cause* An attempt to change the primary host has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN02504-E	An attempt to delete information sources has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to delete an information source has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02505-W	An attempt to delete information sources has partially failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to delete some information sources has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02506-E	An attempt to update host information has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to update host information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02507-W	An attempt to update host information for some of the information sources has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to update host information for some information sources has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02508-E	An attempt to create a task has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to create a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02509-E	An attempt to edit a task has failed. (task ID = *Task ID*) Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to edit a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN02510-E	An attempt to execute the task has failed. (task ID = *Task ID*) Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to execute a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02511-W	An attempt to cancel some of the tasks has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to cancel some of the tasks has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02512-E	An attempt to cancel the tasks has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to cancel a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02513-W	An attempt to delete some of the tasks has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to delete some of the tasks has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02514-E	An attempt to delete a task has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to delete a task has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02515-E	An attempt to update task information has failed. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to update task information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN02516-W	An attempt to update task information has failed for one or more tasks. Perform the operation(s) described in the message that was output at the same time, and then try again.	*Cause* An attempt to update task information for some of the tasks has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02517-E	An attempt to perform a scheduled update of task information has failed. Perform the operation(s) described in the message that was output at the same time.	*Cause* An attempt to perform a scheduled update of task information has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02518-E	An attempt to mount a replica has failed. (information source name = *Information Source*, label = *Label*, mount point = *MountPoint*) Perform the operation(s) described in the message that was output at the same time.	*Cause* An attempt to mount a replica has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02519-E	An attempt to unmount a replica has failed. (information source name = *Information Source*, label = *Label*) Perform the operation(s) described in the message that was output at the same time.	*Cause* An attempt to unmount a replica has failed. *Action* Follow the instructions in the message that was output at the same time.
KAVN02520-E	Pair creation ended successfully, but an attempt to refresh host information failed. (host name = *Host Name*) Perform the operation(s) described in the message that was output at the same time.	*Cause* A pair was successfully created but the attempt to update the host information failed. *Action* Take action according to the detailed message that was output with this message.
KAVN02521-E	Pair deletion ended successfully, but an attempt to refresh host information failed. (host name = *Host Name*) Perform the operation(s) described in the message that was output at the same time.	*Cause* A pair was successfully deleted but the attempt to update the host information failed. *Action* Take action according to the detailed message that was output with this message.
KAVN02522-E	An advanced pair operation has failed.	*Cause* An attempt to perform an advanced pair operation has failed.

Message ID	Message Text	Description
	Perform the operation(s) described in the message that was output at the same time, and then try again.	*Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02523-E	Pair creation could not be completed successfully. Perform the operation(s) described in the message that was output at the same time.	*Cause* Pair creation could not be completed successfully. *Action* Take action according to the detailed message output at the same time as this message, refresh the storage system information, and then apply the latest configuration information to Replication Manager. After that, perform either of the following to hide the secondary volumes: 1. Use the Application Agent settings to hide the secondary volumes. Change copy pair statuses and create copy pairs, as necessary. 2. Use the Pair Configuration Wizard to delete the configuration definition file, and then retry the task.
KAVN02524-E	Pair deletion could not be completed successfully. Perform the operation(s) described in the message that was output at the same time.	*Cause* Pair deletion could not be completed successfully. *Action* Take action according to the detailed message output at the same time as this message, refresh the storage system information, apply the latest configuration information to Replication Manager, and then retry the operation.
KAVN02550-I	Enter a license key or a license key file.	*Cause* A license key or license key file was not entered. *Action* Enter a license key or license key file.
KAVN02551-W	The session has timed out. Please log in again.	*Cause* The session has timed out. *Action* Log in again.
KAVN02552-E	The session is invalid. Log out, and then log in again.	*Cause* The session is invalid.

Message ID	Message Text	Description
		Action Log out, and the log in again.
KAVN02553-W	The license file has exceeded the maximum size.	*Cause* The license file has exceeded the maximum size. *Action* Enter a valid license key file.
KAVN02554-W	This license key is invalid or has already been registered.	*Cause* The license key is invalid, or an attempt was made to register an already registered license key. *Action* Enter a valid license key.
KAVN02555-W	This window is now invalid because the session has timed out. Perform the operation again, and then refresh the window.	*Cause* The session has timed out. *Action* Retry the operation, and then redisplay the window.
KAVN02556-I	The selected journal groups have already been deleted. Please refresh the window.	*Cause* The selected journal group has already been deleted. *Action* Refresh the screen.
KAVN02557-I	Some of the selected hosts have already been deleted. Please refresh the window.	*Cause* One or more of the selected hosts have already been deleted. *Action* Refresh the screen.
KAVN02558-I	Some of the selected storage systems have already been deleted. Please refresh the window.	*Cause* One or more of the selected storage systems have already been deleted. *Action* Refresh the screen.
KAVN02559-I	Some of the selected sites have already been deleted. Please refresh the window.	*Cause* One or more of the selected sites have already been deleted. *Action* Refresh the screen.
KAVN02560-I	Some of the selected pair management servers have already been deleted. Please refresh the window.	*Cause* One or more of the selected pair management servers have already been deleted. *Action*

Message ID	Message Text	Description
		Refresh the screen.
KAVN02561-I	Some of the selected pair management servers have already been added. Please refresh the window.	*Cause* One or more of the selected pair management servers have already been added. *Action* Refresh the screen.
KAVN02562-I	Some of the selected hosts have already been added. Please refresh the window.	*Cause* One or more of the selected hosts have already been added. *Action* Refresh the screen.
KAVN02563-I	Some of the selected storage systems have already been added. Please refresh the window.	*Cause* One or more of the selected storage systems have already been added. *Action* Refresh the screen.
KAVN02564-I	The selected pools have already been deleted. Please refresh the window.	*Cause* All of the selected pools have already been deleted. *Action* Refresh the screen.
KAVN02565-I	Some of the selected pools have already been deleted. Please refresh the window.	*Cause* One or more of the selected pools have already been deleted. *Action* Refresh the screen.
KAVN02566-W	The number of alert settings to be stored is already set to the maximum of *Maximum Number of Alerts*. Additional alert settings cannot be registered.	*Cause* The number of registered alert settings has reached the maximum. *Action* No more alert settings can be registered.
KAVN02567-I	The number of days left for the {*emergency*|*temporary*} license is days. The license will expire on date.	*Cause* A license key will expire soon. *Action* Register a new license key or license key file.
KAVN02568-W	The number of days left for the {*emergency*|*temporary*} license is days. The license will expire on date. Enter a product license key or a product license key file.	*Cause* A registered license key will expire soon. *Action*

Message ID	Message Text	Description
		Enter a product license key or product license key file.
KAVN02569-W	The user does not have the required permission.	*Cause* The user does not have the required permissions. *Action* Contact the system administrator.
KAVN02570-I	The license information was updated successfully	*Cause* The license information has been updated. *Action* No action is required.
KAVN02571-E	An attempt to start the Import Replica Info has failed.	*Cause* The Replication Manager server version and the Application Agent version do not match. *Action* Update the current Application Agent to the latest version.
KAVN02572-E	An attempt to start the Delete Replicas has failed.	*Cause* The versions of Replication Manager and Application Agent do not match. *Action* Install the latest version of Application Agent.
KAVN02573-E	An attempt to delete the Replicas has failed.	*Cause* An attempt to delete replicas has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02574-E	An attempt to import the Replica has failed.	*Cause* An attempt to import a replica has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02575-W	The window cannot be displayed because a Replication Manager license is not registered or you do not have the proper permission.	*Cause* The window cannot be displayed because a Replication Manager license key has not been registered, or

Message ID	Message Text	Description
		Replication Manager permission has not been granted. *Action* Register a Replication Manager license key. If the license is valid, ask a user who has the Admin (user management) permission to grant you Replication Manager permissions.
KAVN02576-E	An attempt to Add Node has failed.	*Cause* The add node operation could not be performed *Action* Take action according to the detailed message that was output concurrently with this message.
KAVN02577-E	An attempt to Delete Node has failed.	*Cause* The delete node operation could not be performed *Action* Take action according to the detailed message that was output concurrently with this message.
KAVN02579-E	Acquisition of the configuration definition file of the pair management server failed. (pair management server name = *pair management server name*, storage system name = *storage system name*)	*Cause* Acquisition of the configuration definition file of the pair management server failed. *Action* After taking action according to the detailed message that was output at the same time as this message, choose "**Storage system**" from the "**Storage Systems**", and then refresh the storage system information.
KAVN02580-E	Acquisition of version information of the pair management server failed. (pair management server name = *pair management server name*)	*Cause* Acquisition of version information of the pair management server failed. *Action* After taking action according to the detailed message that was output at the same time as this message, use Device Manager to refresh the target host information.
KAVN02581-E	Acquisition of configuration information of the storage system failed. (storage system name = *storage system name*)	*Cause* Acquisition of configuration information of the storage system failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message.
KAVN02582-E	Acquisition of host configuration information failed. (host name = *host name*)	*Cause* Acquisition of host configuration information failed. *Action* Take action according to the detailed message that was output at the same time as this message.
KAVN02583-E	Acquisition of configuration information of the storage system failed. (storage system name = *storage system name*)	*Cause* Acquisition of configuration information of the storage system failed. *Action* After taking action according to the detailed message that was output at the same time as this message, choose "**Storage system**" from the "**Storage Systems**", and then refresh the storage system information.
KAVN02584-E	Acquisition of configuration information of the copy group defined by the device group failed. (pair management server =*pair management server name*, storage system = *storage system name*)	*Cause* Acquisition of configuration information of the copy group defined by the device group failed. *Action* After taking action according to the detailed message that was output at the same time as this message, choose "**Storage system**" from the "**Storage Systems**", and then refresh the storage system information.
KAVN02585-E	An internal error occurred during acquisition of host configuration information. (host name = *host name*)	*Cause* An internal error occurred during acquisition of host configuration information. *Action* After taking action according to the detailed message that was output at the same time as this message, use Device Manager to refresh the target host information.
KAVN02586-E	An internal error occurred during acquisition of configuration information of the storage system. (storage system name = *storage system name*)	*Cause* An internal error occurred during acquisition of configuration information of the storage system. *Action* After taking action according to the detailed message that was output at the same time as this message,

Message ID	Message Text	Description
		choose "**Storage system**" from the "**Storage Systems**", and then refresh the storage system information.
KAVN02800-W	Final-confirmation processing of an advanced operation to change the status of a copy pair timed out.	*Cause* The command executed successfully, but a timeout occurred. *Action* Make sure that the pair operation has been completed by referencing the information displayed in Replication Manager.
KAVN02801-E	A takeover operation has failed.	*Cause* An attempt to perform a takeover operation has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02802-E	A swap operation has failed.	*Cause* An attempt to perform a swap operation has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02803-E	A force-split operation has failed.	*Cause* An attempt to perform a force-split operation has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02804-E	An attempt to perform a takeover-recovery(Recover with resync) operation has failed.	*Cause* An attempt to perform a takeover-recovery(resync) operation has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02805-E	An attempt to perform a takeover-recovery(Recover with recreate) operation has failed.	*Cause* An attempt to perform a takeover-recovery(recreate) operation has failed.

Message ID	Message Text	Description
		Action Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02815-W	An attempt to import one or more replicas has failed. Perform the operations described in the message output at the same time, and then try again.	*Cause* An attempt to acquire information for one or more replicas has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02816-E	An attempt to import a replica has failed. Perform the operations described in the message output at the same time, and then try again.	*Cause* An attempt to acquire replica information has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02817-E	An attempt to delete one or more replicas has failed. Perform the operations described in the message output at the same time, and then try again.	*Cause* An attempt to delete one or more replicas has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02818-W	An attempt to delete replicas has failed. Perform the operations described in the message output at the same time, and then try again.	*Cause* An attempt to delete one or more replicas has failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02822-E	A "takeover [horctakeover -S]" operation has failed.	*Cause* A takeover[`horctakeover -S`] operation failed. *Action* Please execute it again after it deals according to the detailed message output at the same time.
KAVN02823-W	A "takeover [horctakeover -S]" operation has timed out.	*Cause*

Message ID	Message Text	Description
		A timeout occurred during completion checking for a takeover[horctakeover -S] operation. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02824-E	A "swap [pairsplit]" operation has failed.	*Cause* A swap[pairsplit] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02825-E	A "swap [pairresync -swaps]" operation has failed.	*Cause* A swap[pairresync -swaps] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02826-W	A "swap [pairsplit]" operation has timed out.	*Cause* A timeout occurred during completion checking for a swap [pairsplit] operation. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02827-W	A "swap [pairresync -swaps]" operation has timed out.	*Cause* A timeout occurred during completion checking for a swap [pairresync -swaps] operation. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02828-E	A "force-split [horctakeover -l]" operation has failed.	*Cause* A force-split[horctakeover -l] operation failed. *Action*

Message ID	Message Text	Description
		Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02829-W	A "force-split [horctakeover -l]" operation has timed out.	*Cause* A timeout occurred during completion checking for a force-split [`horctakeover -l`] operation. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02830-E	A "takeover-recovery(resync) [pairresync -swaps]" operation has failed.	*Cause* A takeover-recovery(resync) [`pairresync -swaps`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02831-W	A "takeover-recovery(resync) [pairresync -swaps]" operation has timed out.	*Cause* A timeout occurred during completion checking for a takeover-recovery(resync) [`pairresync -swaps`] operation. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02832-E	A "takeover-recovery(recreate) [pairsplit -R + pairsplit -S]" operation has failed.	*Cause* A takeover-recovery(recreate) [`pairsplit -R + pairsplit -S`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02833-E	A "takeover-recovery(recreate) [paircreate]" operation has failed.	*Cause* A takeover-recovery(recreate) [`paircreate`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.

Message ID	Message Text	Description
KAVN02834-W	A "takeover-recovery(recreate) [pairsplit -R + pairsplit -S]" operation has timed out.	*Cause* A timeout occurred during completion checking for a takeover-recovery(recreate) [`pairsplit -R + pairsplit -S`] operation. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02835-W	A "takeover-recovery(recreate) [paircreate]" operation has timed out.	*Cause* A timeout occurred during completion checking for a takeover-recovery(recreate) [`paircreate`] operation. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02836-E	Editing of the configuration definition file stopped because the target pair name does not exist. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy pair name = *Pair Name*)	*Cause* A configuration definition file cannot be edited because a pair of the same name does not exist. *Action* Make sure that the operation target pair exists in the configuration definition file that you specified, and then retry the operation.
KAVN02837-E	A "takeover [horctakeover -S]" operation has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* A takeover[`horctakeover -S`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02838-E	A "swap [pairsplit]" operation has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* A swap[`pairsplit`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02839-E	A "swap [pairresync -swaps]" operation has failed. (pair management server = *Pair Management Server*, instance	*Cause* A swap[`pairresync -swaps`] operation failed.

Message ID	Message Text	Description
	number = *Instance Number*, copy group name = *Copy Group Name*)	*Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02840-E	A "force-split [horctakeover -l]" operation has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* A force-split[`horctakeover -l`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02841-E	A "takeover-recovery (resync) [pairresync -swaps]" operation has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* A takeover-recovery(resync) [`pairresync -swaps`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02842-E	A "takeover-recovery (recreate) [pairsplit -R + pairsplit -S]" operation has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* A takeover-recovery(recreate) [`pairsplit -R + pairsplit -S`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02843-E	A "takeover-recovery (recreate) [paircreate]" operation has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* A takeover-recovery(recreate) [`paircreate`] operation failed. *Action* Take action according to the detailed message that was output at the same time as this message, and then retry the operation.
KAVN02846-E	An attempt to execute "Periodical Refresh for Pair Status" has failed. (target = copy groups defined on a Storage System, Storage System = *storage-system*)	*Cause* Periodical refreshing of the pair status could not be executed. *Action* Take action according to the detailed message that was output concurrently with this message.

Message ID	Message Text	Description
KAVN02847-E	An attempt to specify settings for pair status acquisition has failed. (target = copy groups defined on a Storage System, Storage System = *Storage System*) The error occurred when setting periodical refreshing of the pair status.	*Cause* An error occurred when acquisition of the pair status for each Storage System was being set in Replication Manager. *Action* Take action according to the detailed message that was output concurrently with this message. If the problem cannot be corrected, collect the maintenance information and contact the Support Center.
KAVN02848-E	An attempt to specify settings for pair status acquisition has failed. The error occurred when setting periodical refreshing of the pair status.	*Cause* An error occurred while using Replication Manager to set the acquisition of pair statuses for each pair management server or each storage system. *Action* Take action according to the detailed message that was output concurrently with this message. If the problem cannot be corrected, collect the maintenance information and contact the Support Center.
KAVN02849-E	An attempt to Edit Group has failed.	*Cause* The Edit Group operation could not be performed. *Action* Take action according to the detailed message that was output concurrently with this message.
KAVN02850-E	The configuration definition file could not be edited because it was changed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* The configuration definition file could not be edited because it was changed. *Action* Revise the contents of the configuration definition file, and then retry the operation as necessary.
KAVN02851-E	Editing of the copy group name failed. (copy group name before change = *copy group name before change*)	*Cause* Editing of the copy group name failed. Check the detailed message output at the same time as this message. *Action* Take action according to the detailed message that was output concurrently with this message and try again.

Message ID	Message Text	Description
KAVN02852-E	The copy group name was successfully changed, but host information failed to be updated. (host name = *Host Name*, copy group name before change = *copy group name before change*)	*Cause* The copy group name was successfully changed, but host information failed to be updated. Check the detailed message output at the same time as this message. *Action* Take action according to the detailed message that was output with this message.
KAVN02853-E	Volume creation failed. (storage system name = *storage system name*)	*Cause* Volume creation failed. Check the detailed message output with the message. *Action* Take action according to the detailed message that was output with this message.
KAVN02854-E	Volume allocation failed. (storage system name = *storage system name*, port name = *port name*, host group name = *host group name*)	*Cause* Volume allocation failed. Check the detailed message output with the message. *Action* Take action according to the detailed message that was output with this message.
KAVN02855-E	An attempt to edit a system option failed.	*Cause* An attempt to edit a system option failed. Check the detailed message output at the same time as this message. *Action* Take action according to the detailed message that was output concurrently with this message and try again. If the error occurs again, Replication Manager might not be up-to-date. Refresh the storage system and retry the operation.
KAVN02856-E	The addition of one or more secondary volumes failed.	*Cause* The addition of one or more secondary volumes failed. *Action* Take action according to the detailed message that was output with this message.

Message ID	Message Text	Description
KAVN02857-E	An attempt to edit a mirror option failed. (mirror ID = *Mirror ID*)	*Cause* The create journal group or edit journal group operation succeeded, but an attempt to edit a mirror option failed. *Action* Take action according to the detailed message that was output concurrently with this message, and then try to edit the mirror option again. If the error occurs again, Replication Manager might not be up-to-date. Refresh the storage system and retry the operation.
KAVN02858-E	An attempt to change the Freeze/Run settings failed.	*Cause* An attempt to change the Freeze/Run settings failed. Check the cause in the detailed message that was output with this error message. *Action* Follow the instructions in the detailed message that was output with this error message, and then try again.
KAVN02859-E	Volume unallocation failed. (storage system = *storage system name*)	*Cause* Volume unallocation failed. Check the detailed message output at the same time as this message. *Action* Take action according to the detailed message that was output with this message.
KAVN02860-E	Volume deletion failed. (storage system = *storage system name*)	*Cause* Volume deletion failed. Check the detailed message output at the same time as this message. *Action* Take action according to the detailed message that was output with this message.
KAVN02861-W	The pair creation task finished by cancellation of a task. Storage systems continue to create pair.	*Cause* The pair creation task finished by cancellation of a task. *Action* Check the progress of the copy operation by referring to the Hosts view or the Pair Configurations view.
KAVN02862-E	Editing of the path group ID failed.	*Cause*

Message ID	Message Text	Description
		Editing of the path group ID failed. Check the detailed message output at the same time as this message. *Action* Take action according to the detailed message that was output with this message.
KAVN02863-W	Cancellation of the selected task is already in progress. (task ID = *Task ID*)	*Cause* Cancellation of the selected task is already in progress. *Action* No action is required.
KAVN02864-E	An attempt to edit the copy pair name failed.	*Cause* The copy pair name could not be edited. *Action* Take action according to the detailed message that was output with this message.
KAVN02865-E	An attempt to edit the Snapshot Group settings failed.	*Cause* An attempt to edit the Snapshot Group settings failed. *Action* Take action according to the detailed message that was output with this message.
KAVN02866-E	An attempt to delete the pair(s) has failed.	*Cause* An attempt to delete one or more pair has failed. *Action* Take action according to the detailed message that was output with this message.
KAVN02867-E	An attempt to delete the secondary volume(s) has failed.	*Cause* An attempt to delete one or more secondary volume(s) has failed. *Action* Take action according to the detailed message that was output with this message.
KAVN02868-W	See the information for InvalidCode in the online Help.	*Cause* An invalid configuration definition file exists. *Action*

Message ID	Message Text	Description
		Remove the cause of the error in accordance with [**Action to be taken**] for InvalidCode in the online Help.
KAVN02869-E	A "swap [pairsplit -RS]" operation has failed.	*Cause* It is failed in the operation of swap[`pairsplit -RS`]. *Action* Please execute it again after it deals according to the detailed message output at the same time.
KAVN02870-W	A "swap [pairsplit -RS]" operation has timed out.	*Cause* The operation of swap [`pairsplit -RS`] was executed successfully, but a timeout occurred during processing to confirm completion. *Action* To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02871-E	A "swap [pairsplit -RS]" operation has failed. (pair management server = *Pair Management Server*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* It is failed in the operation of swap[`pairsplit -RS`]. *Action* Please execute it again after it deals according to the detailed message output at the same time.
KAVN02872-E	The operation cannot be performed on the selected copy pair or copy group.	*Cause* The operation cannot be performed on the selected copy pair or copy group. *Action* Take action according to the detailed message that was output concurrently with this message and try again.
KAVN02873-E	An attempt to acquire the pair status has failed. The requested processing has failed.	*Cause* An attempt to acquire the pair status has failed. *Action* Take action according to the detailed message that was output concurrently with this message.
KAVN02874-W	A "take snapshot [pairresync + pairsplit]" operation has timed out.	*Cause* The operation of take snapshot [`pairresync + pairsplit`] was executed successfully, but a timeout occurred during processing to confirm completion.

Message ID	Message Text	Description
		Action To check whether the operation has finished, see the configuration information displayed in Replication Manager.
KAVN02875-E	A "take snapshot [pairresync + pairsplit]" operation has failed.	*Cause* It is failed in the operation of take snapshot [`pairresync` + `pairsplit`]. *Action* Please execute it again after it deals according to the detailed message output at the same time.
KAVN03200-E	The command executable file is not found.	*Cause* An executable command could not be found. *Action* Make sure that Replication Manager Application Agent is installed properly.
KAVN03201-E	Command execution failure	*Cause* An attempt to execute a command has failed. *Action* Make sure that Replication Manager Application Agent is installed properly.
KAVN03202-E	No applications are installed in the Host.	*Cause* No applications are installed on the host. *Action* Make sure that the applications are installed on the host properly.
KAVN03203-E	Command Request or Command Output parsing error	*Cause* Either a command request has failed, or an attempt to parse command execution results has failed. *Action* Make sure that Replication Manager Application Agent is installed properly.
KAVN03204-E	Command string length exceeds the maximum length.	*Cause* The command exceeds the maximum character count. *Action* Make sure that Replication Manager Application Agent is installed properly.
KAVN03205-E	Unable to open the configuration files such as	*Cause*

Message ID	Message Text	Description
	"DEFAULT.dat", "mail.conf", "init.conf"	An attempt to open the `DEFAULT.dat`, `mail.conf`, or `init.conf` file has failed. *Action* Try again after making sure that the `DEFAULT.dat`, `mail.conf`, or `init.conf` file is not locked by another process, and that you have sufficient access permissions.
KAVN03206-E	Required attribute is missing in the XML Request.	*Cause* A required attribute is missing from the XML request. *Action* Make sure that communication is being performed properly between the hosts on which Replication Manager and Replication Manager Application Agent are installed, and then retry the operation.
KAVN03207-I	Collection of maintenance information from the Replication Manager Application Agent will now start.	*Cause* The collection of maintenance information from Replication Manager Application Agent has started. *Action* No action is required.
KAVN03213-I	Collection of the Replication Manager Application Agent maintenance information has ended.	*Cause* Collection of maintenance information from Replication Manager Application Agent has ended. *Action* No action needs to be taken.
KAVN03216-E	Collection of maintenance information from the Replication Manager Application Agent failed.(Reason : Internal Error Occurred)	*Cause* The collection of maintenance information from Replication Manager Application Agent has failed. *Action* Contact the Support Center.
KAVN03217-E	Property file doesn't exist or information is illegal. (FileName=agent.properties)	*Cause* The `agent.properties` file does not exist on the Replication Manager Application Agent host, or the information is invalid. *Action* Take the following actions: 1. Make sure that the file `agent.properties` exists in *Hitachi-Command-Suite-Common-*

Message ID	Message Text	Description
		Agent-Component-service-installation-path\mod\hrpmap\config. 2. Make sure that the value of agent.hptm.location in the file agent.properties is valid.
KAVN03218-E	No parameters have been specified.	*Cause* No parameters have been specified. *Action* Specify valid parameters.
KAVN03219-E	Too many parameters has been specified.	*Cause* Too many parameters have been specified. *Action* Specify valid parameters.
KAVN03220-E	The first parameter has not been set to a directory.	*Cause* The first parameter, which is used to specify a directory, has not been set. *Action* Specify a directory for the first parameter.
KAVN03221-E	The parameter contains an incorrect value. (value = *User Input value*)	*Cause* The parameter contains an invalid value. *Action* Take the following actions: 1. Specify a path name that begins with c:\ or d:\. 2. Make sure that the input path name is no longer than 260 characters.
KAVN03222-E	Invalid option is specified.	*Cause* An invalid option is specified. *Action* Specify a valid option.
KAVN03223-E	User does not have sufficient privilege to execute the command.	*Cause* The user does not have sufficient permissions to execute the command. *Action* Log in using a user ID that has administrator permissions.
KAVN03224-E	Collection of maintenance information from the Replication Manager Application Agent failed.(Reason :	*Cause* The collection of maintenance information from Replication Manager

Message ID	Message Text	Description
	Destination folder/file(s) is being accessed or internal error occurred)	Application Agent failed because a folder or file is being accessed, or an internal error occurred. *Action* Make sure that the folder exists in the correct location, or that the file is not being used by another process or user.
KAVN03225-E	The specified directory cannot be accessed.[*User Input value*]	*Cause* The drive or directory specified by the user cannot be accessed. *Action* Specify a valid drive or directory.

KAVN10000 - KAVN19999

The following table describes messages KAVN10000 to KAVN19999, which are related to Replication Manager.

Table 2-32 KAVN10000 - KAVN19999 (messages output by Replication Manager)

Message ID	Message Text	Description
KAVN10001-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Pair creation has started. *Action* No action is required.
KAVN10002-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Pair creation has finished. *Action* No action is required.
KAVN10003-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A timeout occurred during the processing to confirm completion of pair creation. *Action* No action is required.
KAVN10004-W	An attempt to modify the configuration definition file has failed. (pair management server = *Pair Management Server*, instance number = *instance number*)	*Cause* An attempt to change the configuration definition file has failed. *Action* No action is required.
KAVN10005-W	An attempt to delete the configuration definition file has failed. (pair management server = *Pair Management*	*Cause* An attempt to delete the configuration definition file has failed.

Message ID	Message Text	Description
	Server, instance number = *instance number*)	*Action* No action is required.
KAVN10006-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The pair operation has started. *Action* No action is required.
KAVN10007-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The pair operation has finished. *Action* No action is required.
KAVN10008-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A timeout occurred during the processing to confirm completion of pair operation. *Action* No action is required.
KAVN10009-E	An attempt to execute a task has failed. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* An attempt to execute the task has failed. *Action* No action is required.
KAVN10010-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Pair deletion has started. *Action* No action is required.
KAVN10011-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Pair deletion has finished. *Action* No action is required.
KAVN10014-E	An attempt to edit a Disk Configuration Definition File has partially failed. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Part of a disk configuration definition failed to be edited. *Action* No action is required.
KAVN10015-I	Editing Disk Configuration Definition File has started. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Editing of a disk configuration definition file has started. *Action* No action is required.

Message ID	Message Text	Description
KAVN10016-I	Editing Disk Configuration Definition File has finished. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Editing of a disk configuration definition file has finished. *Action* No action is required.
KAVN10017-E	An attempt to edit Disk Configuration Definition File has failed. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* An attempt to edit a disk configuration definition file has failed. *Action* No action is required.
KAVN10020-E	An attempt to distribute a Disk Configuration Definition File has partially failed. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* An attempt to distribute a disk configuration definition file has partially failed. *Action* No action is required.
KAVN10021-I	Distributing Disk Configuration Definition File has started. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Distribution of a disk configuration definition file has started. *Action* No action is required.
KAVN10022-I	Distributing Disk Configuration Definition File has finished. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* Distribution of a disk configuration definition file has finished. *Action* No action is required.
KAVN10023-E	An attempt to distribute Disk Configuration Definition File has failed. (information source = *Information Source*, Prefix = *Prefix*, DiskConfig = *DiskConfig*)	*Cause* An attempt to distribute a disk configuration definition file has failed. *Action* No action is required.
KAVN10024-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Distribution has started. *Action* No action is required.
KAVN10025-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Distribution has finished. *Action* No action is required.
KAVN10026-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Changing of the primary host has started.

Message ID	Message Text	Description
		Action No action is required.
KAVN10027-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The primary host has been changed. *Action* No action is required.
KAVN10028-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Creation or editing of a definition pair has started. *Action* No action is required.
KAVN10029-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Creation or editing of a definition pair has finished. *Action* No action is required.
KAVN10030-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A timeout occurred during the processing that confirms that the pair has been deleted. *Action* No action is required.
KAVN10031-I	Creation of a task has started.	*Cause* Creation of a task has started. *Action* No action is required.
KAVN10032-I	A task was created successfully. (task ID = *Task ID*)	*Cause* A task was created successfully. *Action* No action is required.
KAVN10033-E	An attempt to create a task has failed.	*Cause* An attempt to create a task has failed. *Action* No action is required.
KAVN10034-I	Editing of a task has started. (task ID = *Task ID*)	*Cause* Editing of a task has started. *Action* No action is required.
KAVN10035-I	A task was edited successfully. (task ID = *Task ID*)	*Cause* A task was edited successfully. *Action*

Message ID	Message Text	Description
		No action is required.
KAVN10036-E	An attempt to edit a task has failed. (task ID = *Task ID*)	*Cause* An attempt to edit a task has failed. *Action* No action is required.
KAVN10037-I	Execution of a task has started. (task ID = *Task ID*)	*Cause* Execution of a task has started. *Action* No action is required.
KAVN10038-I	A task was executed successfully. (task ID = *Task ID*)	*Cause* A task was executed successfully. *Action* No action is required.
KAVN10039-E	An attempt to execute a task has failed. (task ID = *Task ID*)	*Cause* An attempt to execute a task has failed. *Action* No action is required.
KAVN10040-I	Cancellation of a task has started. (task ID = *Task ID*)	*Cause* Cancellation of a task has started. *Action* No action is required.
KAVN10041-I	A task was canceled successfully. (task ID = *Task ID*)	*Cause* A task was canceled successfully. *Action* No action is required.
KAVN10042-E	An attempt to cancel a task has failed. (task ID = *Task ID*)	*Cause* An attempt to cancel a task has failed. *Action* No action is required.
KAVN10043-I	Deletion of a task has started. (task ID = *Task ID*)	*Cause* Deletion of a task has started. *Action* No action is required.
KAVN10044-I	A task was deleted successfully. (task ID = *Task ID*)	*Cause* A task was deleted successfully. *Action* No action is required.
KAVN10045-E	An attempt to delete a task has failed. (task ID = *Task ID*)	*Cause* An attempt to delete a task has failed.

Message ID	Message Text	Description
		Action No action is required.
KAVN10046-I	Mounting of a replica has started. (information source name = *Information Source*, label = *Label*, mount point = *MountPoint*)	*Cause* Mounting of a replica has started. *Action* No action is required.
KAVN10047-I	A replica was mounted successfully. (information source name = *Information Source*, label = *Label*, mount point = *MountPoint*)	*Cause* A replica was mounted successfully. *Action* No action is required.
KAVN10048-E	An attempt to mount a replica has failed. (information source name = *Information Source*, label = *Label*, mount point = *MountPoint*)	*Cause* An attempt to mount a replica has failed. *Action* No action is required.
KAVN10049-I	Unmounting of a replica has started. (information source name = *Information Source*, label = *Label*)	*Cause* Unmounting of a replica has started. *Action* No action is required.
KAVN10050-I	A replica was unmounted successfully. (information source name = *Information Source*, label = *Label*)	*Cause* A replica was unmounted successfully. *Action* No action is required.
KAVN10051-E	An attempt to unmount a replica has failed. (information source name = *Information Source*, label = *Label*)	*Cause* An attempt to unmount a replica has failed. *Action* No action is required.
KAVN10052-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover operation has started. *Action* No action is required.
KAVN10053-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover operation has finished. *Action* No action is required.
KAVN10054-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing.

Message ID	Message Text	Description
		Action No action is required.
KAVN10055-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A swap operation has started. *Action* No action is required.
KAVN10056-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A swap operation has finished. *Action* No action is required.
KAVN10057-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* No action is required.
KAVN10058-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover-recovery(resync) operation has started. *Action* No action is required.
KAVN10059-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover-recovery(resync) operation has finished. *Action* No action is required.
KAVN10060-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* No action is required.
KAVN10061-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover-recovery(recreate) operation has started. *Action* No action is required.
KAVN10062-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover-recovery(recreate) operation has finished. *Action*

Message ID	Message Text	Description
		No action is required.
KAVN10063-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* No action is required.
KAVN10064-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover operation has started. *Action* No action is required.
KAVN10065-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* A takeover operation has finished. *Action* No action is required.
KAVN10066-W	The task has time out. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* The command was successfully executed, but a timeout occurred during completion-confirmation processing. *Action* No action is required.
KAVN10067-I	Acquisition of replica information has started. (Database Server Name = *DatabaseServerName*, Backup Server Name = *BackupServerName*, Option = *Option*)	*Cause* The acquisition of replica information has started. *Action* No action is required.
KAVN10068-I	Acquisition of replica information has finished. (Database Server Name = *DatabaseServerName*, Backup Server Name = *BackupServerName*, Option = *Option*)	*Cause* The acquisition of replica information has finished. *Action* No action is required.
KAVN10069-E	An attempt to acquire replica information has failed. (Database Server Name = *DatabaseServerName*, Backup Server Name = *BackupServerName*, Option = *Option*)	*Cause* An attempt to acquire replica information has failed. *Action* No action is required.
KAVN10070-I	Deletion of a replica has started. (Information Source = *Information Source*, Label =	*Cause* The deletion of a replica has started. *Action*

Message ID	Message Text	Description
	Label, Target Generation = *TargetGeneration*)	No action is required.
KAVN10071-I	Deletion of a replica has finished. (Information Source = *Information Source*, Label = *Label*, Target Generation = *TargetGeneration*)	*Cause* The deletion of a replica has finished. *Action* No action is required.
KAVN10072-E	An attempt to delete a replica has failed. (Information Source = *Information Source*, Label = *Label*, Target Generation = *TargetGeneration*)	*Cause* An attempt to delete a replica has failed. *Action* No action is required.
KAVN10073-I	A secondary volume will now be concealed. (copy group name = *CopyGroupName*, task ID = *task ID*)	*Cause* Concealment of a secondary volume has started. *Action* No action is required.
KAVN10074-I	A secondary volume has been successfully concealed. (copy group name = *CopyGroupName*, task ID = *task ID*)	*Cause* Concealment of a secondary volume has finished. *Action* No action is required.
KAVN10075-E	An attempt to conceal a secondary volume has failed. (copy group name = *CopyGroupName*, task ID = *task ID*)	*Cause* Concealment of a secondary volume has failed. *Action* No action is required.
KAVN10076-I	A secondary volume will now be revealed. (copy group name = *copygroupname*, task ID = *task-id*)	*Cause* Revealment of a secondary volume has started. *Action* No action is required.
KAVN10077-I	A secondary volume has been successfully revealed. (copy group name = *CopyGroupName*, task ID = *task ID*)	*Cause* Revealment of a secondary volume has finished. *Action* No action is required.
KAVN10078-E	An attempt to reveal a secondary volume has failed. (copy group name = *CopyGroupName*, task ID = *task ID*)	*Cause* Revealment of a secondary volume has failed. *Action* No action is required.

Message ID	Message Text	Description
KAVN10079-I	A secondary volume will now be concealed. (Information Source = *Information Source*)	*Cause* Concealment of a secondary volume has started. *Action* No action is required.
KAVN10080-I	A secondary volume has been successfully concealed. (Information Source = *Information Source*)	*Cause* Concealment of a secondary volume has finished. *Action* No action is required.
KAVN10081-E	An attempt to conceal a secondary volume has failed. (Information Source = *Information Source*)	*Cause* Concealment of a secondary volume has failed. *Action* No action is required.
KAVN10082-I	A secondary volume will now be revealed. (Information Source = *Information Source*)	*Cause* Revealment of a secondary volume has started. *Action* No action is required.
KAVN10083-I	A secondary volume has been successfully revealed. (Information Source = *Information Source*)	*Cause* Revealment of a secondary volume has finished. *Action* No action is required.
KAVN10084-E	An attempt to reveal a secondary volume has failed. (Information Source = *Information Source*)	*Cause* A secondary volume could not be revealed. *Action* No action is required.
KAVN10085-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Node addition has started. *Action* No action is required.
KAVN10086-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Node addition has finished. *Action* No action is required.
KAVN10087-I	The task has started. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Node deletion has started. *Action*

Message ID	Message Text	Description
		No action is required.
KAVN10088-I	The task has finished. (task ID = *Task ID*, Target = *Target*, Task Type = *Task Type*)	*Cause* Node deletion has finished. *Action* No action is required.
KAVN10089-I	The task started. (TaskID: *Task ID*, Target:*Target*, TaskType: *Task Type*)	*Cause* The task started. *Action* No action is required.
KAVN10090-I	The task finished. (TaskID: *Task ID*, Target:*Target*, TaskType: *Task Type*)	*Cause* The task finished. *Action* No action is required.
KAVN10091-I	The pair creation task finished by cancellation of a task. Storage systems continue to create pair. (TaskID: *Task ID*, Target: *Target*, TaskType: *Task Type*)	*Cause* The pair creation task finished by cancellation of a task. *Action* No action is required.

Messages with IDs beginning with KAVX

This section describes messages related to Replication Manager Application Agent.

Causes and actions to take for messages with IDs beginning with KAVX might differ depending on the environment in which Replication Manager is used. If you use Replication Manager from GUI, see the information under *(For GUI)* in the *Description* column. If you use Replication Manager from the CLI, see the information under *(For CLI)* in the *Description* column. Actions to be taken for certain messages on page 2-2031 describes the actions to take when certain messages are output. See this section if KAVX0006-E/ DRM-10041, KAVX5105-W, or KAVX5137-E is output.

KAVX0000 - KAVX9999

The following table describes messages related to Replication Manager Application Agent (KAVX0000 - KAVX9999).

Table 2-33 KAVX0000 - KAVX9999: messages related to Replication Manager Application Agent

Message ID	Message Text	Description
KAVX0001-I	The *command-name* command will now start.	*Cause* The command has started. *Action* -
KAVX0002-I	The *command-name* command will now end.	*Cause* The command has ended. *Action* -
KAVX0003-E	An attempt to execute the *command-name* command has failed.	*(For GUI)* *Cause* Replication Manager Application Agent processing failed. *Action* Take action according to the message that was output at the same time as this message. *(For CLI)* *Cause* The command execution has failed. *Action* Take action according to the message displayed together with this message.
KAVX0004-E	Memory is insufficient.	*(For GUI)* *Cause* There is not enough memory. *Action* Confirm that the host (on which Replication Manager Application Agent is installed) meets the system requirements. *(For CLI)* *Cause* Memory is insufficient. *Action* Increase memory, or check the settings for virtual memory.
KAVX0005-E	An error that stops processing occurred. Cause = *detailed-message*, Code = *OS-error-cause-code*	*(For GUI)* *Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue.

Message ID	Message Text	Description
		Action Confirm that Replication Manager Application Agent is correctly installed. If the problem persists, obtain maintenance information, and then contact the Support Center. *(For CLI)* *Cause* A fatal error that stopped processing in the operating system occurred. *Action* Examine the system log and check whether there is any problem in the OS. View the detailed trace log information to confirm the details about the error cause. For details on the error cause, see *OS-error-cause-code*.
KAVX0006-E	An error that stopped processing occurred. Cause = *detailed-message*	*(For GUI)* *Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue. *Action* Confirm that Replication Manager Application Agent is correctly installed. If the problem persists, obtain maintenance information, and then contact the Support Center. *(For CLI)* *Cause* A fatal error occurred, preventing further processing. *Action* For details on the error cause, see DRM-10000 - DRM-19999 on page 2-3.
KAVX0007-E	An error that stopped processing occurred. Code = *OS-error-cause-code*	*(For GUI)* *Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue. *Action* Confirm that Replication Manager Application Agent is properly installed. If the problem persists, obtain

Message ID	Message Text	Description
		maintenance information, and then contact the Support Center. *(For CLI)* *Cause* A fatal error that stopped processing in the operating system occurred. *Action* Examine the system log and check whether there is any problem in the OS. View the detailed trace log information to confirm the details about the error cause. For details on the error cause, see *OS-error-cause-code*.
KAVX0008-E	An error that stopped processing occurred. Cause = *detailed-message* Cause = *cause*	*(For GUI)* *Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue. *Action* Confirm that Replication Manager Application Agent is properly installed. If the problem persists, obtain maintenance information, and then contact the Support Center. *(For CLI)* *Cause* A fatal error occurred, preventing further processing. *Action* For details on the error cause, see DRM-10000 - DRM-19999 on page 2-3.
KAVX0009-E	The file name specified with the -f option is invalid.	*(For GUI)* *Cause* The installer was not used to install Replication Manager Application Agent. *Action* Confirm that the installer is used to properly install Replication Manager Application Agent. *(For CLI)* *Cause* Possible causes are as follows: • The specified file does not exist. • You do not have read permission for the specified file.

Message ID	Message Text	Description
		• The file was not specified by its absolute path. *Action* Check the name of the batch definition file, and then re-execute the command.
KAVX0011-E	Backup ID information could not be obtained.	*(For GUI)* *Cause* Replica information cannot be obtained for one of the following reasons: 1. The replica contains invalid data. 2. The replica is corrupted. 3. The replica does not exist. *Action* Update the host information, and then re-specify the replica. If the specification of the replica is correct, contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • The contents of the backup catalog are invalid. • The backup catalog is damaged. • The backup catalog does not exist. *Action* Use the `drmdbimport` command to import the backup catalog again. If this error still occurs after the import, take the following action: • Use the `drmdbexport` command on the database server to export the backup catalog, and then re-import the backup catalog into the backup server.
KAVX0012-E	An invalid option was specified.	*(For GUI)* *Cause* An invalid option was specified. *Action* Confirm that Replication Manager Application Agent is properly installed. *(For CLI)* *Cause* Possible causes are as follows: • A non-existent option was specified.

Message ID	Message Text	Description
		• A required option is missing. *Action* Check the command usage to specify the correct option, and then re-execute the command. If this message is displayed even when the correct cluster software name has been specified by using the `drmclusinit` command, an internal file of Replication Manager Application Agent might be corrupted. If this happens, re-install Replication Manager Application Agent.
KAVX0013-E	The specified device file cannot be found.	*(For GUI)* *Cause* A file used by Replication Manager Application Agent does not exist. *Action* Contact the Support Center. *(For CLI)* *Cause* The specified device file name does not exist in the dictionary map file or backup catalog. *Action* Make sure that the name of the device file is correct, and then re-execute the command.
KAVX0014-E	The specified mount point directory does not exist.	*(For GUI)* *Cause* The specified mount point directory does not exist. *Action* Confirm that the specified mount point directory is correct, and then retry the operation. *(For CLI)* *Cause* Possible causes are as follows: • The specified mount point was not found. • The specified mount point is a floppy disk or other removable disk, which is not in a storage system. • The specified mount point is a network volume.

Message ID	Message Text	Description
		Action Check the mount point for which you want to perform backup, and then re-execute the command.
KAVX0015-E	The specified backup ID does not have corresponding backup data.	*(For GUI)* *Cause* Unable to acquire replica information. *Action* Update the host information, and then re-specify the replica. If the specification of the replica is correct, contact the Support Center. *(For CLI)* *Cause* The specified backup ID does not have the corresponding backup data in the backup catalog. *Action* Check the backup ID. Specify the correct backup ID if necessary and then re-execute the command. If this message is output, even though you specified the correct backup ID with the `drmumount` command, unmount the secondary volume with RAID Manager.
KAVX0016-E	The specified file or directory does not exist. File or directory name = *file-name-or-directory-name*	*(For GUI)* *Cause* Possible causes for this are as follows: 1. The specified file (or directory) does not exist. 2. The specified file (or directory) was not specified with an absolute path. *Action* Confirm that the specified file exists, and then retry the operation. If the specified file is valid, or if no file was specified, contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • The specified file or directory does not exist. • The specified file or directory does not exist in the specified object

Message ID	Message Text	Description
		(mount point, instance, or backup ID). • The file or directory was not specified by its absolute path. *Action* Take the following action depending on the executed command: • When the `drmdbimport`, or the `drmdbexport` command is executed: Check whether the specified file name is correct, and then re-execute the command. • When the `drmfsbackup` command is executed: Check whether the mount point directory specified in the mount point directory name option or the mount point target definition file is correct, and then re-execute the command. • When the `drmsqlrecovertool` command is executed: Check whether the transaction log backup file specified in **Transaction log backup list** of the **drmsqlrecovertool** dialog box is correct, and then re-specify the file. • When a command other than the above is executed: Check whether the file or the directory specified (for example, the file or the directory specified with the `-target` option) is correct. If the specified file or directory is correct, make sure that the file system has sufficient unused capacity to store the Replication Manager Application Agent installation directory, and then re-execute the command.
KAVX0017-E	The specified file or directory does not exist in the target definition file. File or directory name = *file-name-or-directory-name*	*(For GUI)* *Cause* A file used by Replication Manager Application Agent does not exist. *Action* Contact the Support Center. *(For CLI)* *Cause*

Message ID	Message Text	Description
		Possible causes are as follows: • The file or directory specified in the target definition file does not exist. • The file or directory associated with the object specified in the target definition file (mount point, instance, or backup ID) does not exist. • The file or directory was not specified by its absolute path. *Action* Check and correct the file names or directory names specified in the target definition file, and then re-execute the command.
KAVX0018-E	The specified copy group does not exist.	*(For GUI)* *Cause* The specified copy group does not exist. *Action* Update the configuration, obtain the most recent copy group information, and then retry the operation. *(For CLI)* *Cause* The specified copy group does not exist. *Action* Use the following commands to check the copy group name, and then re-execute the command: • When the backup is of a file system: `drmfsdisplay` or `drmfscat` command • When the backup is of an SQL Server database: `drmsqldisplay` or `drmsqlcat` command • When the backup is of an Exchange database: `drmexgdisplay` or `drmexgcat` command
KAVX0019-I	Copying file(s) now...	*Cause* Files are now being copied. *Action*

Message ID	Message Text	Description
		-
KAVX0020-I	Restoring file(s) now...	*Cause* Files are now being restored. *Action* -
KAVX0021-E	You do not have permission to execute the command.	*(For GUI)* *Cause* You do not have permission to execute the operation. *Action* Confirm that you are using the administrator permission to run Replication Manager Application Agent, and then retry the operation. *(For CLI)* *Cause* The user executing the command does not have Administrator permissions. *Action* Assign Administrator permissions to the user executing the command. If the command was executed for SQL Server, give the logon user the system administrator server role.
KAVX0022-E	The specified file or directory does not exist in the mount point directory. File or directory name = *file-name-or-directory-name*	*(For GUI)* *Cause* Possible causes for this are as follows: 1. The specified file does not exist in the mount point directory. 2. The specified file (or directory) was not specified with an absolute path. *Action* Check the specified directory name. If it is not correct, specify the correct directory name. If the directory name specification is correct, contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • The specified file or directory does not exist in the mount point directory. • The file or directory was not specified by its absolute path.

Message ID	Message Text	Description
		Action Check and correct the file name or directory name, and then re-execute the command.
KAVX0023-I	Dictionary map file was updated.	*Cause* The `drmfsdisplay`, `drmsqldisplay`, or `drmexgdisplay`, executed with the `-refresh` option specified, terminated normally. *Action* -
KAVX0024-E	The specified backup data does not exist.	*(For GUI)* *Cause* Because no replica has been executed before, the corresponding information might not exist. *Action* Create a replica, and then retry the operation. *(For CLI)* *Cause* Possible causes are as follows: • There is no information to be displayed because a backup has not been made yet. • No data satisfies the conditions specified with the `drmfscat`, `drmsqlcat`, `drmexgcat`, `drmtapecat`, or `drmappcat` command options. *Action* Check whether backup has been performed. If backup has been performed, check the specified command options. If there is an error, correct the command options, and then re-execute the command.
KAVX0025-E	There is no backup data that satisfies the specified conditions.	*(For GUI)* *Cause* The replica does not exist. *Action* Confirm that the specified replica is correct, and then retry the operation. If the replica specification is correct, contact the Support Center. *(For CLI)* *Cause*

Message ID	Message Text	Description
		There is no backup data that satisfies the specified conditions. *Action* Check the command options you specified. If they are incorrect, re-execute the command with correct command options specified.
KAVX0026-W	Other commands are already running. This command waits for all the other commands to terminate.	*Cause* You attempted to execute the command while other commands were running. *Action* You do not need to do anything because the system will automatically retry executing the command.
KAVX0027-E	The command was not executed because another command was already executing.	*(For GUI)* *Cause* The operation was not executed because another operation was in progress. The executed operation timed out. *Action* Wait until the operation in progress is complete, and then retry the operation. *(For CLI)* *Cause* The command was executed while another command was running. The system tried to re-execute the command the specified number of times, but the command was not executed because a timeout occurred while waiting for the other command to terminate. *Action* Wait until all the other commands terminate, and then re-execute the command.
KAVX0028-E	The parameter information set by the initialization command is incorrect.	*(For GUI)* *Cause* The information between the Replication Manager server and Replication Manager Application Agent does not match. *Action* Set up Application Agent, and then update the host information. If this

Message ID	Message Text	Description
		does not resolve the problem, contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • The parameter information set by executing the parameter registration command (`drmsqlinit`, or `drmclusinit`) is incorrect. • The parameter registration command has never been executed, so the parameter has not been registered. *Action* Re-execute the parameter registration command to renew the environment settings.
KAVX0029-E	Installation-path information could not be obtained.	*(For GUI)* *Cause* Installation-path information that was automatically specified during product installation cannot be obtained. *Action* Re-install the product. *(For CLI)* *Cause* The system could not obtain the installation path information that is automatically set when Replication Manager Application Agent is installed. *Action* Re-install Replication Manager Application Agent.
KAVX0030-E	An invalid value was specified.	*(For GUI)* *Cause* An invalid value was specified. *Action* Specify a valid value. *(For CLI)* *Cause* The parameter values entered using the parameter registration command (`drmsqlinit`) are invalid. *Action* Specify correct values as initialization parameters.

Message ID	Message Text	Description
KAVX0031-E	The specified mount point is already in use.	*(For GUI)* *Cause* The specified mount point is being used by another volume. *Action* Unmount the mounted file system, and then retry the operation. *(For CLI)* *Cause* At the mount point where you attempted to mount a volume, another volume has already been mounted. *Action* Unmount the file system from the desired mount point, and then re-execute the command.
KAVX0032-E	An invalid mount point directory was specified.	*(For GUI)* *Cause* A mount point (or drive) that does not exist was specified, or the directory to be mounted is not empty. *Action* Specify an existing empty directory to be mounted. *(For CLI)* *Cause* A non-existent mount point directory was specified. *Action* Specify a mount point directory that actually exists, and then re-execute the command.
KAVX0033-E	The type of backup data with the specified backup ID is different.	*(For GUI)* *Cause* The replica information between the Replication Manager server and Replication Manager Application Agent does not match. *Action* Update the host information. If the problem persists, contact the Support Center. *(For CLI)* *Cause* Data could not be recovered because the format of the data for the executed command differs from the format of

Message ID	Message Text	Description
		the backup data with the specified backup ID. Possible causes are as follows: • The system cannot restore the data because the format of the data to be used for restoration by the command differs from the format of the backup data with the specified backup ID. • The system cannot re-synchronize the copy group because the backup ID created by the `drmtapebackup` command was specified in the `drmresync` command. *Action* To restore data, make sure that the command used for restoration supports the backup data, and then re-execute the command. To re-synchronize the copy group, do not specify the ID of a backup created by the `drmtapebackup` command. Execute the following command to check the permitted backup ID, and then re-execute the `drmresync` command. • When the backup is of a file system: `drmfscat` command • When the backup is of an SQL Server database: `drmsqlcat` command • When the backup is of an Exchange database: `drmexgcat` command
KAVX0034-E	The specified Instance Name is invalid.	*Cause* The parameter registration command (`drmsqlinit`) was executed with the `-v` option specified, but no initialization information could be found for the specified instance. Possible causes are as follows: 1. The specified instance name does not exist on SQL Server. 2. The initialization information for the specified instance was not found. *Action*

Message ID	Message Text	Description
		Depending on the cause, take appropriate action from the following: 1. Specify an instance name that exists on SQL Server, and then re-execute the command. 2. Execute the parameter registration command for the specified instance.
KAVX0035-E	An attempt to update the *application-name* information failed.	*(For GUI)* *Cause* Registration of the initialization information failed. *Action* Increase the capacity of the drive on which the installation directory resides, and then retry the operation. *(For CLI)* *Cause* The executed command failed to register the initialization information for the application indicated in *application-name*. *Action* Expand the drive capacity in the installation directory, and then re-execute the command.
KAVX0036-E	The specified backup ID is invalid. Backup ID = *backup-ID*	*(For GUI)* *Cause* The specified replica does not exist. *Action* Specify a valid replica, recreate the task, and then retry the operation. *(For CLI)* *Cause* The backup information corresponding to the specified backup ID does not exist. *Action* Check the backup ID, and then re-execute the command.
KAVX0037-E	The specified character string exceeds the maximum number of characters allowed. Character string = *character-string*	*(For GUI)* *Cause* The specified character string exceeds the maximum character-string length. *Action* Specify a shorter character string, and then retry the operation.

Message ID	Message Text	Description
		(For CLI) *Cause* The character-length of a following item, specified when the command was executed, exceeded the maximum length for that character string. *Action* Check the length (number of characters) of the following items: • When the backup is of a file system: file name, directory name, backup comment, mount point directory name, device file name, or host name • When the backup is of an SQL Server database: file name, directory name, backup comment, instance name, database name, device file name, or host name • When the backup is of an Exchange database: file name, directory name, backup comment, storage group name, device file name, or host name • When the command is `drmappcat`: backup comment or host name • When the command is `drmresync`: copy group batch definition file name • When the command is `drmdbexport` or `drmdbimport`: export destination file name or import source file name • When the command is `drmmediabackup`: backup file storage directory name • When the command is `drmclusinit`: cluster software name
KAVX0038-E	The content of the specified target definition file is invalid.	*(For GUI)* *Cause* The contents of a file used by Replication Manager Application Agent are invalid. *Action* Contact the Support Center. *(For CLI)* *Cause*

Message ID	Message Text	Description
		One or more of the following items are not specified in the batch definition file. • File name • Directory name • Database name • Storage group name • Tablespace name • Copy group name *Action* Enter valid information in the batch definition file.
KAVX0039-E	The core map file(s) cannot be found.	*(For GUI)* *Cause* Application Agent might not be properly configured, or updating of the host information might have failed. *Action* Confirm that Application Agent is properly configured. If it is not, make sure that you properly configure it. If it is correctly configured, update the host information. *(For CLI)* *Cause* The corresponding data was not found in the directory map file. Possible causes are as follows: 1. The core map file has not been created. 2. A dictionary map file is being created. 3. The core map file has been deleted because creation of a dictionary map file has failed. 4. The specified mount point directory does not exist in the RAID device. *Action* Depending on the cause, take appropriate action from the following: 1. Use the following appropriate command to re-create the dictionary map file: - When the backup is of a file system: `drmfsdisplay -refresh`

Message ID	Message Text	Description

		- When the backup is of an SQL Server database:
		`drmsqldisplay -refresh`
		- When the backup is of an Exchange database:
		`drmexgdisplay -refresh`
		2. Wait until creation of the dictionary map file has finished, and then re-execute the command.
		3. See the message displayed when creation of the dictionary map file failed, and then take action to re-create the dictionary map file. After the dictionary map file is created successfully, re-execute the command.
		4. If the specified mount point directory does not exist on the RAID device, specify a mount point directory that does exist on the RAID device, and then re-execute the command.

KAVX0040-I	The backup ID has been assigned as follows: Backup ID = *backup-ID*	*Cause* This message is displayed when a backup ID was assigned to data that was backed up successfully. *Action* -
KAVX0041-W	The invalid area is increasing in the dictionary map file or the backup catalog.	*Cause* During backup or restore processing, the ratio of invalid records to all the records in the dictionary map file or the backup catalog exceeded 90%. *Action* Using the control tool for dictionary map files, delete the dictionary map files or invalid records in the backup catalog. Execute the command as follows. `PROMPT>` *Replication-Manager-Application-Agent-installation-destination*`\DRM\bin\util\drmdbcond -c`
KAVX0042-E	An error occurred during cluster processing. Cause = *detailed-message*	*(For GUI)* *Cause* An error was detected while the cluster was processing. *Action*

Message ID	Message Text	Description
		See the appropriate manual for the installed cluster, and then troubleshoot the cluster error. *(For CLI)* *Cause* An error has occurred during cluster operation. *Action* For details on the error cause, see DRM-10000 - DRM-19999 on page 2-3.
KAVX0043-E	A cold backup was not performed for the mount point directory because the specified mount point was being managed by the cluster.	*Cause* A cold backup could not be performed for the mount point directory, because the cluster system is managing the mount point. *Action* Perform an online backup.
KAVX0044-E	A resynchronize restoration could not be performed for the mount point directory because the specified mount point was being managed by the cluster.	*(For GUI)* *Cause* An attempt was made to perform a resynchronization restore for the mount point managed by the cluster. *Action* Perform a file-copy restore. *(For CLI)* *Cause* A resynchronize restoration could not be performed for the mount point directory, because the cluster system is managing the mount point. *Action* Perform restoration with the mount point removed from cluster management.
KAVX0047-E	You cannot execute this command under this configuration.	*(For GUI)* *Cause* Most likely both of the following conditions exist: 1. The copy group to be backed up contains both files that are to be backed up and not backed up. 2. The primary or secondary volume has been separated. *Action* Check the copy group specification, and then change the backup option.

Message ID	Message Text	Description
		(For CLI) *Cause* Backups can fail for any of the following reasons: 1. Specifying only some objects in the volume to be backed up. 2. There is an error in the definition contents of the RAID Manager copy group. *Action* Depending on the cause, take appropriate action from the following: 1. Specify all the objects in the volume to be backed up. 2. Check whether the copy group contained in the file system to be backed up is configured correctly and then check the options of the backup command.
KAVX0048-E	Characters that cannot be handled with this program have been found.	*(For GUI)* *Cause* There are Unicode-specific characters. *Action* Change the Unicode-specific characters, and then retry the operation. *(For CLI)* *Cause* Replication Manager Application Agent is not compliant with the Unicode character set. If any Unicode characters exist in command parameters or configuration files, commands will not execute successfully. *Action* Make sure that no Unicode characters are being used in command parameters of configuration files, and then re-execute the command.
KAVX0049-E	You cannot specify the -raw option for the specified backup ID.	*(For GUI)* *Cause* The specified backup cannot be performed. *Action* Reattempt to perform a backup. If the error persists, contact the Support Center.

Message ID	Message Text	Description
		(For CLI) *Cause* You cannot specify the `-raw` option for the specified backup ID. *Action* Perform backup again, without the `-raw` option specified.
KAVX0050-E	An attempt to read the target definition file failed.	*(For GUI)* *Cause* An attempt to read the target definition file failed. *Action* Confirm that the target definition file can be opened, and then retry the operation. *(For CLI)* *Cause* An attempt to read the target definition file failed. *Action* Use a text editor to check whether the specified target definition file can be opened.
KAVX0051-E	An attempt to execute restoration by drive resynchronization failed because a copy group subject to restoration includes an object that is not subject to restoration.	*(For GUI)* *Cause* A resynchronization restore failed because the storage group specification (Exchange Server) is invalid. *Action* Change the storage group specification, and then attempt the restoration. If the error persists, contact the Support Center. *(For CLI)* *Cause* You cannot perform restoration because, in the current configuration, restoration by drive resynchronization may damage file systems other that those you want to restore. If the KAVX5125-E message is displayed, unspecified file names and their disk group names are contained in the displayed result. Disk group names are displayed in environments where the logical volume manager is

Message ID	Message Text	Description
		installed. In the basic disk configuration, – is displayed for a disk group name. *Action* Use the `drmfscat` command to check whether the target copy group contains only the file systems you want to restore. Additionally, use the following command to check whether the target copy group contains only the object you want to restore. • When the backup is of an SQL Server database, use the `drmsqlcat` command. • When the backup is of an Exchange database, use the `drmexgcat` command.
KAVX0052-E	You cannot specify the -mode cold option because the cluster resource is not online.	*(For GUI)* *Cause* Because the cluster is not ONLINE, a cold backup cannot be performed. *Action* Put the cluster online, and then retry. *(For CLI)* *Cause* Because the cluster is not ONLINE, a cold backup cannot be performed. *Action* Set the cluster resource you want to back up online or re-execute the command with the `–mode online` option specified.
KAVX0053-E	The system could not restore the target data because the cluster resource is not online or offline.	*(For GUI)* *Cause* The cluster resource is neither online nor offline. *Action* Check the cluster status, and then retry the operation. *(For CLI)* *Cause* The cluster resource has an invalid status. *Action* Check the status of the cluster resource, and then re-execute the command.

Message ID	Message Text	Description
KAVX0054-E	An attempt to mount the directory failed. Mount point = *mount-point-directory-name*	*(For GUI)* *Cause* An attempt to mount the directory failed. *Action* Confirm that the mount point directory exists. If it exists, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center. *(For CLI)* *Cause* - *Action* Make sure the specified mount point directory exists. If it exists, examine the system log and check whether there is any problem with the OS.
KAVX0055-E	An attempt to unmount the directory failed. Mount point = *mount-point-directory-name*	*(For GUI)* *Cause* An attempt to unmount the directory failed. *Action* Confirm that the drive to be unmounted is not in use. In addition, an unmount will fail if the working directory for the command exists on the drive to be unmounted. If neither of the above conditions apply, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center. *(For CLI)* *Cause* - *Action* Check whether another process is using the drive you want to unmount. Note that you cannot unmount the drive that contains the current directory at which you execute the command. If the specified mount point directory is correct, examine the system log and check whether there is any problem with the OS.
KAVX0056-E	An attempt to create the directory failed.	*(For GUI)* *Cause*

Message ID	Message Text	Description
	Directory name = *directory-name*	An attempt to create the directory failed. *Action* Check the path specified for the directory to be created. If the specified path is correct, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center. *(For CLI)* *Cause* Check the indicated directory path name to see whether the directory can be created. *Action* If the directory can be created, examine the system log and check whether there is any problem with the OS.
KAVX0057-E	An attempt to remove the directory failed. Directory name = *directory-name*	*(For GUI)* *Cause* An attempt to remove the directory failed. *Action* Check the specified path for the directory to be removed. If the specified path is correct, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center. *(For CLI)* *Cause* Check the indicated directory path name to see whether the directory exists. *Action* If the directory exists, examine the system log and check whether there is any problem with the OS.
KAVX0069-W	An error occurred during operation of the trace log file.	*Cause* This message is output when an error is detected during processing of the trace log files provided by Replication Manager Application Agent. *Action* Check the system log, and make sure that the OS is running properly. If no

Message ID	Message Text	Description
		problems are found, contact your support center.
KAVX0071-W	The RAID Manager instance could not be stopped. Cause = *cause*	*Cause* This message is output if the RAID Manager instance cannot stop for some reason. *Action* Check what is indicated in *Cause*. Then, stop the RAID Manager instance as required. For details on the error cause, see DRM-10000 - DRM-19999 on page 2-3.

KAVX0072-E	The application map file(s) cannot be found.	*(For GUI)*
		Cause
		A file used by Replication Manager Application Agent is missing.
		Action
		Update the host information.
		(For CLI)
		Cause
		The application map file was not found.
		Action
		Use the following appropriate command to re-create the dictionary map file:
		• When the backup is of a file system:
		`drmfsdisplay -refresh`
		• When the backup is of an SQL Server database:
		`drmsqldisplay -refresh`
		• When the backup is of an Exchange database:
		`drmexgdisplay -refresh`

KAVX0073-E	The data associated with the specified conditions does not exist.	*(For GUI)* *Cause* Data that satisfies the specified conditions does not exist. *Action* Change the specified conditions, and then retry the operation. *(For CLI)* *Cause*

Message ID	Message Text	Description
		No data satisfies the conditions specified with the option of the `drmfsdisplay`, `drmsqldisplay`, or `drmexgdisplay` command. *Action* Check the options of the specified command. If there is a problem, specify the correct command option and then re-execute the command.
KAVX0074-E	An attempt to obtain a mount point has failed.	*(For GUI)* *Cause* The mount point information is invalid. *Action* Retry the mount operation. *(For CLI)* *Cause* Information about the mount point that was mounted by the `drmmount` command is invalid. Possible causes are as follows: • The `drmmediabackup` or `drmumount` command was executed without mounting by using the `drmmount` command. • The `drmmediabackup` or `drmumount` command was mistakenly executed on the primary volume. *Action* Check the causes and then re-execute the `drmmount` command.
KAVX0075-E	There is an invalid character in the specified backup comment.	*(For GUI)* *Cause* The comment specified for the backup contains invalid characters. *Action* Remove the invalid characters, and then reattempt the backup. *(For CLI)* *Cause* The backup comment specified for the backup command (`drmfsbackup`, `drmsqlbackup`, or `drmexgbackup`) contains unusable characters. *Action* Make sure that the backup comment contains no unusable characters, and

Message ID	Message Text	Description
		then re-execute the backup command. For details on which characters can be used for backup comments, see the `drmfsbackup` command explanation in the manual *Replication Manager Application Agent CLI Reference Guide*.
KAVX0076-I	The checksum of the Exchange database file has been confirmed. Storage group name = *storage-group-name*	*Cause* This message is output when the checksum of the Exchange database file is correct. *Action* -
KAVX0077-E	A file needed to execute the ESEUTIL command has not been copied.	*Cause* This message is output when a file needed to execute the `ESEUTIL` utility has not been copied to the server on which the command was executed. *Action* Check the Exchange Server documentation, copy the necessary files, and then re-execute the command.
KAVX0078-E	An attempt to execute the ESEUTIL command has failed. Cause = *error-cause*	*Cause* An error occurred when a check on the database compatibility was executed. *Action* Remove the cause of the error, and then re-execute the command.
KAVX0079-E	The checksum of the Exchange database file is invalid. Storage group name = *storage-group-name* Information store name = *information-store-name* File name = *file-name*	*Cause* This message is output when a fault is detected in the checksum of an Exchange database file. *Action* Refer to the Exchange Server documentation, and take the appropriate recovery measures.
KAVX0080-E	Backup/resync cannot be performed because a copy group for which a pair was not generated was specified when the dictionary map file was updated. Cause = *copy-group-name*	*(For GUI)* *Cause* An attempt was made to back up and resynchronize a copy group. The pair status of the copy group was simplex when the host information was being updated. *Action* Create a pair for the target copy group, and then update the host information. *(For CLI)*

Message ID	Message Text	Description
		Cause This message is output when the pair status of the target copy group is in the SMPL mode, and the backup or resynchronization is performed after the dictionary map file is updated. *Action* Create a pair for the target copy group and update the dictionary map file.
KAVX0081-E	After the dictionary map file is updated, the pair status will be changed to the SMPL mode. Cause = *copy-group-name*	*(For GUI)* *Cause* An attempt was made to back up and resynchronize a copy group whose pair status is simplex. *Action* Change the pair status, and then retry the operation. If the error persists, contact the Support Center. *(For CLI)* *Cause* This message is output when backup or resynchronization is performed for a copy group whose pair status is SMPL, without setting the `PAIR_CREATE=ENABLE` parameter in the RAID Manager linkage definition file (`DEFAULT.dat`). *Action* Perform one of the following operations: • Delete the target pair logical volume definition from the RAID Manager `HORCM_CONF` file. • Specify the `PAIR_CREATE=ENABLE` parameter in the RAID Manager linkage definition file (`DEFAULT.dat`). • Use the following operation to lock the copy group and remove it from the target operations: `drmcgctl -copy_group` *copy-group-name* `-mode lock`
KAVX0082-E	You cannot use this backup catalog record for restoration.	*(For GUI)* *Cause* The replica history information is invalid. *Action*

Message ID	Message Text	Description
		Reattempt the restoration. If the error persists, contact the Support Center. *(For CLI)* *Cause* The settings for the `-template` option in the `drmsqlrestore` command are incorrect. *Action* Check the following, and then re-execute the `drmsqlrestore` command: • If restoring a backup catalog created by using the `drmsqlbackup` command with the `-template` option specified, then specify the `-template` option. • If restoring a backup catalog created by using the `drmsqlbackup` command without the `-template` option specified, then do not specify the `-template` option.
KAVX0085-I	Now making backup information...	*Cause* This message is output when the `-template` option of the backup command is used to create a backup catalog but an actual backup is not performed. The created backup catalog is registered as a *template catalog*. *Action* -
KAVX0086-I	The backup information has been assigned as follows: Backup ID = *backup-ID*	*Cause* This message is output when a template catalog is created and a backup ID is assigned. *Action* -
KAVX0087-E	This command cannot be executed because the specified backup ID is already being used by another command.	*(For GUI)* *Cause* The specified backup cannot be performed because it interferes with another ongoing operation. *Action* Confirm that the target backup to be performed does not conflict with any ongoing operations, and then retry the operation. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is output when the specified backup ID cannot be used concurrently. *Action* Make sure that the target backup ID is not used with another command, and then re-execute the command.

KAVX0088-E	The specified generation identification name is invalid.	*(For GUI)*
		Cause
		The target generation specified for the backup is invalid.
		Action
		Change the specified target generation, and then retry the backup operation.
		(For CLI)
		Cause
		The generation identifier specified by the backup command (`drmfsbackup`, `drmsqlbackup`, or `drmexgbackup`) is invalid.
		Action
		Check the generation identifier by executing the following commands, and then re-execute the command:
		• When a file system is to be backed up:
		`drmfsdisplay -cf`
		• When an SQL Server database is to be backed up:
		`drmsqldisplay -cf`
		• When an Exchange database is to be backed up:
		`drmexgdisplay -cf`

KAVX0089-E	A timeout occurred. Retry time *retry-count-parameter-name* = *retry-count-parameter-value*-(times) *retry-wait-time-parameter-name* = *retry-wait-time-parameter-value*-(s)	*(For GUI)* *Cause* The target did not change to the expected state within the specified time. *Action* See the error message that follows this message. *(For CLI)* *Cause* This message is output when the system does not detect the anticipated

Message ID	Message Text	Description
		status despite checking at the intervals specified in the *retry-wait-time-parameter-name* parameter, and checking for the number of times specified in the *retry-count-parameter-name* parameter. *Action* Check the error message that was output immediately after this message. If the retry interval is short, adjust the settings for either parameter to extend the checking period, and then re-execute the command.
KAVX0091-E	The installation environment is invalid.	*(For GUI)* *Cause* The installation environment is invalid. *Action* Re-install the product. *(For CLI)* *Cause* This message is output when the installation environment is invalid. *Action* Re-install the product.
KAVX0092-E	An attempt to acquire product information has failed. File name = *file-name*	*(For GUI)* *Cause* The version file contains invalid information. *Action* Re-install the product. *(For CLI)* *Cause* This message is output when the version-file information is invalid. *Action* Re-install the product.
KAVX0093-E	An error occurred while reading the patch history information.	*(For GUI)* *Cause* An error was detected while obtaining patch history information. *Action* Check the system log and confirm that there are no problems with the OS. If this does not resolve the problem, collect the necessary information, and then contact the Support Center.

Message ID	Message Text	Description
		(For CLI) *Cause* This message is output when processing to acquire differential patch history information is executed and an error is detected. *Action* Check the system logs to see if any problems exist in the OS. If none exist, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect the appropriate information, and then contact your support center or your distributor.
KAVX0094-I	Verification ended successfully. Storage group name = *storage-group-name*	*Cause* This message is output when verification has successfully ended. *Action* -
KAVX0095-E	A file necessary for verification cannot be found.	*Cause* Exchange Management Console, which is required for verification, is not installed on the backup server. *Action* Install Exchange Management Console.
KAVX0096-E	Verification failed. Cause = *error-cause*	*Cause* An error occurred while executing verification. *Action* Check the system log to see if any problems exist in the OS. If none exist, collect maintenance information, and then contact your support center.
KAVX0097-E	A database error was detected during verification processing. Storage group name = *storage-group-name* Information store name = *information-store-name* File name = *file-name*	*Cause* This is a message output when a database error was detected during verification. *Action* The database might be corrupted. We recommend that you recover the database by using the last successful backup.
KAVX0098-I	Verification ended successfully. Information store name = *information-store-name*	*Cause* Verification processing was successful. *Action* -

Message ID	Message Text	Description
KAVX0099-E	A database error was detected during verification processing. Information store name = *information-store-name* File name = *file-name*	*Cause* A database error was detected during verification processing. *Action* The database might be corrupted. We recommend recovering the last known backup of the database that was operating correctly.
KAVX0100-E	The root directory cannot be specified as the mount point directory.	*Cause* The root directory was specified as the mount point directory. *Action* Specify a directory other than the root directory as the mount point directory for the backup.
KAVX0101-E	A drive containing a system directory cannot be specified as the mount point directory.	*Cause* A drive containing a system directory was specified as the mount point directory. *Action* As the mount point for backup, specify a drive that does not contain a system directory.
KAVX0102-E	The mount point directory does not contain any files to be backed up.	*Cause* No files exist in the specified mount point directory. *Action* Since the specified mount point contains no files, backup was not performed.
KAVX0103-E	Drive capacity is insufficient at the restoration destination.	*Cause* The restoration-destination volume does not have sufficient unused capacity. *Action* Check the amount of unused capacity at the restoration-destination volume, and then re-execute the command.
KAVX0104-E	The specified mount point definition file does not exist.	*(For GUI)* *Cause* The specified files for the mount point directory do not exist in the predefined directory. *Action* Create the specified files for the mount point directory in the predefined directory.

Message ID	Message Text	Description
		(For CLI) *Cause* The name specified for the target definition file for mount point directories contains an error. *Action* Check whether the specified file exists, and then re-execute the command.
KAVX0105-E	The specified mount point directory does not exist on the RAID device. Mount point directory = *mount-point*	*(For GUI)* *Cause* The specified mount point does not exist on the RAID device. *Action* Confirm that the mount point directory with the specified name is connected to a disk on the RAID device. Confirm that the mount point directory name is correct. If it is not correct, specify the correct mount point directory name, and then retry the command. *(For CLI)* *Cause* Possible causes are as follows: • The specified mount point directory was not found. • The specified mount point directory is mounted on a device other than a RAID device. • The mount point directory was not specified by its absolute path. • The specified file system cannot be recognized as a file system. *Action* Check the specified mount point directory, and then re-execute the command.
KAVX0106-E	The specified mount point directory is wrong. Mount point directory = *mount-point*	*Cause* Possible causes are as follows: • The specified mount point directory is not a directory. • No drive is mounted in the specified mount point directory on the RAID device. *Action*

Message ID	Message Text	Description
		Check the specified mount point directory, and then re-execute the command.
KAVX0200-W	The message catalog could not be obtained. Message ID = *message-ID*	*Cause* Either the message catalog does not exist, or the message catalog is damaged. *Action* Re-install the product.
KAVX0210-I	The user script will now start. Procedure section = *section-name*	*Cause* This message is output when processing starts in the user processing section of a user script. Note that nothing is output when no commands are defined. *Action* -
KAVX0211-I	Execution of the user script has finished.	*Cause* This message is output when processing for the user processing section of a user script finishes normally. *Action* -
KAVX0212-I	A command from the user script will now execute. Command line = *command-line*	*Cause* This message is output when a command defined in the user processing section of a user script is executed. *Action* -
KAVX0213-I	A command from the user script has ended. End code = *end-code*	*Cause* This message is output when a command defined in the user processing section of a user script finishes. *Action* -
KAVX0214-E	A command from the user script cannot start.	*(For GUI)* *Cause* An attempt to execute the command defined in the command definition section of the user script failed. *Action*

Message ID	Message Text	Description
		From the user script, specify the operation that can be performed, and then reattempt the backup. *(For CLI)* *Cause* This message is output when an attempt to start a command defined within the user processing section of a user script fails. *Action* Specify an executable command in the user script file, and then re-execute the backup command.
KAVX0215-E	An error occurred during processing of a command from the user script.	*(For GUI)* *Cause* An error occurred after a user script command was executed. *Action* Check the running status of the operation specified in the user script, and then reattempt the backup. *(For CLI)* *Cause* This message is output when an error occurs after a command in a user script is started. *Action* Check the execution status of the command specified in the user script file, and then re-execute the backup command.
KAVX0217-W	A command from the user script timed out.	*Cause* This message is output when the command specified for `CMDLINE` does not terminate within the set timeout interval. *Action* Check the execution status of the command specified in the user script file, remove the cause of the command timeout, and then re-execute the backup command.
KAVX0218-I	A forced termination of a command from the user script will now commence.	*Cause* This message is output when a forced termination of a command specified in a user script commences. *Action* -

Message ID	Message Text	Description
KAVX0219-I	A forced termination of a command from the user script has finished.	*Cause* This message is output when a forced termination of a command specified in a user script is successful. *Action* -
KAVX0220-W	A forced termination of a command from the user script cannot be performed.	*Cause* This message is output when an attempt to perform a forced termination of a command specified in a user script has failed. *Action* Check the execution status of the command specified in the user script file, remove the cause preventing command termination, and then re-execute the backup command.
KAVX0221-E	The contents of the script file are invalid. Cause = *cause*	*(For GUI)* *Cause* Check the running status of the operation specified in the user script, and then reattempt the backup. *Action* Check the contents of the user script file, resolve the cause of the error, and then retry the command. *(For CLI)* *Cause* This message is output when the contents of a user script file are invalid. *Action* Correct the contents of the user script file, and then re-execute the command.
KAVX0222-E	The user script file name specified in the -script option is invalid.	*(For GUI)* *Cause* The name of the user script file specified for the backup is invalid. *Action* Confirm that the file specified for the backup exists, and that the file is correctly specified. If the name is not correct, specify the correct file name, and then reattempt the backup. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is output when the name of the user script file specified in the parameter of the backup command is incorrect. *Action* Check both the name of the file specified in the parameter of the backup command, and the specified format. Then specify the correct file name and re-execute the command.
KAVX0223-E	An attempt to read the user script file has failed.	*(For GUI)* *Cause* An error occurred while trying to read a specified user script file. *Action* Confirm that you have permission to read the specified file, and that the file is not being used by another application. Next, confirm that the script file can be opened, and then reattempt the backup. *(For CLI)* *Cause* This message is output when an error occurs while the specified user script file is being loaded. *Action* Make sure that the specified user script file can be opened and is not being written to, and then re-execute the backup command.
KAVX0224-I	The processing will continue because the value of the user script item "*item-name*" is *item-value*.	*Cause* This message is output when a command is executed by a user script, the user script item `END_CODE` is set to the value `IGNORE`, and one of the following events occurred: • The command returned a value other than 0. • A timeout occurred in the command. Since the value set is `IGNORE`, processing will continue. *Action* -
KAVX0225-E	The processing will end because the value of the user script item "*item-name*" is *item-value*.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		One of the following events occurred while executing commands in the user script: 1. The operation fails. 2. The operation times out. *Action* Check the running status of the operation specified in the user script, and then reattempt the backup. *(For CLI)* *Cause* This message is output when the executed user script command resulted in one of the items listed below, but processing finished because the value of the command `END_CODE` was set to `TERMINATE_NZ` (including when `END_CODE` is not specified and `TERMINATE_NZ` is applied by default): • The command returned a value other than 0. • A timeout occurred in the command. *Action* Check the execution status of the command specified in the user script file, and then re-execute the backup command. If you want to continue processing even though one of the above events occurred, set the `END_CODE` value to `IGNORE` for the command specified in the user script file.
KAVX0226-E	An attempt to set an environment variable has failed. Setting: *environment-variable-name = environment-variable-value*	*(For GUI)* *Cause* An attempt to configure an environment variable specified in the user script failed. *Action* Check the environment variable setting specified in the user script. If the setting is invalid, specify a valid setting, and then retry the operation. *(For CLI)* *Cause* This message is output when an attempt to set an environment variable has failed before and after executing a command specified in a user script. *Action*

Message ID	Message Text	Description
		Check the values of environment variables specified in the user script, specify an environment variable that can be set, and then re-execute the backup command.
KAVX0227-E	Failed to hide the physical volume. Copy group name = *copy-group-name*	*(For GUI)* *Cause* Failed to hide the physical volume. *Action* From the CCI log, identify the reason that the physical volume was not hidden. If necessary, see the appropriate CCI manual to take action according to the identified reason. Then, retry the operation. *(For CLI)* *Cause* This message is output when an attempt to hide a physical volume fails. *Action* Examine the RAID Manager log information, remove the cause of the RAID Manager command failure, specify the name of the unsuccessful copy group, and then re-execute the command. For details on RAID Manager log information, see the RAID Manager documentation. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following explanations in the manual *Replication Manager Application Agent CLI User Guide*: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI • Setting Up Operation of Application Agent • Setting Up Application Agent for Linkage with CCI
KAVX0228-E	Failed to make the physical volume open. Copy group name = *copy-group-name*	*(For GUI)* *Cause* Failed to make the physical volume visible.

Message ID	Message Text	Description
		Action From the CCI log, identify the reason that the physical volume was not made visible. If necessary, see the appropriate CCI manual to take action according to the identified reason. Then, retry the operation. *(For CLI)* *Cause* This message is output when an attempt to release a physical volume fails. *Action* Examine the RAID Manager log information, remove the cause of the RAID Manager command failure, specify the name of the unsuccessful copy group, and then re-execute the command. For details on RAID Manager log information, see the RAID Manager documentation. The error might have been caused by the configuration or settings for execution of Replication Manager Application Agent. Check the configuration and settings by referring to the following explanations in the manual *Replication Manager Application Agent CLI User Guide*: • Application Agent System Configurations • Volume Configurations Usable by Application Agent • Setting Up CCI • Setting Up Operation of Application Agent • Setting Up Application Agent for Linkage with CCI
KAVX0229-E	The specified copy group name is invalid. Copy group name = *copy-group-name*	*(For GUI)* *Cause* The specified copy group is invalid. *Action* Specify the correct copy group, and then retry the operation. *(For CLI)* *Cause* The copy group name specified as the argument for the command is invalid. *Action*

Message ID	Message Text	Description
		Specify a valid copy group name, and then re-execute the command.
KAVX0230-E	Failed to activate a RAID Manager instance. Instance number = *instance-number*	*(For GUI)* *Cause* An attempt to activate the CCI daemon failed. *Action* Change the configuration of the RAID management software. If no problem is found, check the RAID management software log and confirm that there is no problem. If the problem cannot be determined, contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to start a RAID Manager instance fails. *Action* Check whether the settings for RAID Manager are valid. If the settings are valid, refer to the log information of RAID Manager and check whether any problems exist. If no problems are found, contact your support center.
KAVX0231-E	Failed to rerecognize the physical volume.	*(For GUI)* *Cause* Failed to re-recognize the physical volume. *Action* Check the CCI log to find the reason that the physical volume was not re-recognized, and then retry the operation. If the problem persists, contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to rerecognize a physical volume fails. *Action* Examine the system log, remove the cause of the unsuccessful physical volume rerecognition, and then re-execute the command. If you are unable to resolve the problem, contact your support center.
KAVX0232-I	Hid *copy-group-name*.	*Cause*

Message ID	Message Text	Description
		This message is output when an attempt to hide a physical volume succeeds. *Action* -
KAVX0233-I	Made *copy-group-name* open.	*Cause* This message is output when an attempt to release a physical volume succeeds. *Action* -
KAVX0234-I	Rerecognizes the physical volume.	*Cause* This message is output when rerecognization of a physical volume starts. *Action* -
KAVX0235-I	Rerecognized the physical volume.	*Cause* This message is output when an attempt to rerecognize a physical volume succeeds. *Action* -
KAVX0237-E	No copy group corresponds to the specified backup ID. Copy group name = *copy-group-name*	*(For GUI)* *Cause* The copy group stored in the backup catalog for the specified backup ID does not exist. *Action* To check the operating environment of Replication Manager Application Agent, perform the following steps in the order listed: 1. View the Replica History window and check the target copy group. 2. Confirm that the instance number listed in the definition file for Replication Manager Application Agent is valid. 3. Confirm that the copy group definition in the CCI configuration definition file (`horcm`*n*`.conf`) is valid. *(For CLI)* *Cause* This message is output when the copy group recorded in the backup catalog

Message ID	Message Text	Description
		of the specified backup ID does not exist. *Action* Check the operating environment of Replication Manager Application Agent by carrying out the following procedure: 1. Display the contents of the backup catalog of the specified backup ID by using the `drmfscat`, `drmsqlcat`, `drmexgcat`, or `drmtapecat` command, and then check the copy group recorded in the backup catalog. 2. Make sure that the instance number specified by the `HORCMINST` parameter of the RAID Manager linkage definition file (`DEFAULT.dat`) is appropriate. 3. Check whether the copy group definition is applicable by using the RAID Manager configuration definition file (`horcm`*n*`.conf`).
KAVX0238-E	An attempt to write to the file has failed. File name = *full-path-to-the-file*	*(For GUI)* *Cause* The possible causes are as follows: 1. The specified system environment variable `VSHTCRMENVF` is invalid. 2. The file cannot be written to. *Action* Confirm that the following are true for the output file path: 1. The system environment variable `VSHTCRMENVF` has been specified with a valid value according to the manual. 2. The file can be written to. *(For CLI)* *Cause* Possible causes are as follows: • The value set for the environment variable `VSHTCRMENVF` is invalid. • The user does not have permission to write to the file. *Action* Check the following for the output file path: • Check whether the value set for the environment variable

Message ID	Message Text	Description
		VSHTCRMENVF has been set according to the manual. For details on the set value, see the explanation on how to specify settings when using VSS in the *Replication Manager Application Agent CLI User Guide*. • Check that the user has permission to write to the file.
KAVX0239-E	The DEVICE_DETACH=ENABLE setting is required to execute the drmdevctl command.	*(For GUI)* *Cause* The Replication Manager Application Agent environment is invalid. *Action* Set up Application Agent, and then update the host information, and then re-execute the operation. *(For CLI)* *Cause* This message appears when the drmdevctl command is executed without setting the DEVICE_DETACH parameter of the RAID Manager linkage definition file (DEFAULT.dat) to ENABLE. *Action* Set the DEVICE_DETACH parameter of the RAID Manager linkage definition file (DEFAULT.dat) to ENABLE, and then re-execute the drmdevctl command.
KAVX0240-E	An attempt to make the folder has failed. Folder passing = *folder-passing*	*(For GUI)* *Cause* An attempt to make a folder failed. Possible causes for this are as follows: 1. No path exists to the specified folder. 2. Access permission for the folder does not allow information to be written to it. *Action* Perform one of the following as necessary: 1. If there is no path to the folder, make the path. 2. If the access permission for the folder does not allow information to be written to it, change the access permission to enable

Message ID	Message Text	Description
		information to be written to the folder. *(For CLI)* *Cause* This message is output when an attempt to create a folder fails. *Action* Take one of the following actions: • If the folder in the path you attempted to create does not exist, create the folder. • If access privileges for the folder you attempted to create are write-protected, change the access privileges so that data can be written to the folder.
KAVX0241-E	An attempt to delete the file has failed. File name = *full-path-to-the-file*	*(For GUI)* *Cause* An attempt to delete a file used by Replication Manager Application Agent failed. The possible cause is as follows: The access permission for the file might be read-only. *Action* If the access permission for the file used by Replication Manager Application Agent is specified as read-only, disable the read-only attribute, and then delete the file. *(For CLI)* *Cause* This message is output when an attempt to delete a file fails. *Action* Check whether the access privileges for the displayed file are read-only. If they are, cancel the read-only attribute, and then delete the file.
KAVX0242-E	The file could not be opened. File name = *file-name*	*(For GUI)* *Cause* The file used by Replication Manager Application Agent cannot be opened. The possible cause is as follows: The access permission for the file might not allow the file to be read. *Action*

Message ID	Message Text	Description
		If the access permission for the file does not allow the file to be read, change the file access permission so that the file can be opened. *(For CLI)* *Cause* This message is output when an attempt to open a file fails. *Action* Access privileges for the file you attempted to open is read-protected. Change the access privileges so that the file can be opened.
KAVX0243-E	The process could not be made. Process name = *process-name* Code = *OS-error-cause-code*	*(For GUI)* *Cause* The Replication Manager Application Agent environment is invalid. *Action* Check the system log and confirm that there are no problems with the OS. *(For CLI)* *Cause* This message is output when an attempt to perform a process fails. *Action* Examine the system log and check whether there is any problem in the OS. For details on the cause of the error, see *OS-error-cause-code*.
KAVX0244-W	An attempt to output a message to the event log has failed.	*Cause* The message could not be output to the event log. *Action* Check whether the application event log is full.
KAVX0245-W	An attempt to send email has failed.	*Cause* The email could not be sent. *Action* Check the message that was output before this message.
KAVX0246-W	An attempt to connect to the SMTP server has failed. Host name = *host-name* Factor = *factor*	*Cause* The system could not connect to the SMTP server. *Action*

Message ID	Message Text	Description
		Check that the MAIL_SERVER parameter in the email-sending definition file is correct, or examine the system log and check whether there is a problem with the OS or the SMTP server. For details on the error cause, see the message output in *factor*.
KAVX0247-W	An attempt to transmit to the SMTP server has failed. Factor = *factor*	*Cause* The transmission to the SMTP server failed. *Action* Examine the system log and check whether there is a problem with the OS or the SMTP server. For details on the error cause, see the message output in *factor*.
KAVX0248-W	An attempt to receive from the SMTP server has failed. Factor = *factor*	*Cause* The reception from the SMTP server failed. *Action* Examine the system log and check whether there is a problem with the OS or the SMTP server. For details on the error cause, see the message output in *factor*.
KAVX0249-W	The message received from the SMTP server is too short.	*Cause* The reception message from the SMTP server is too short. *Action* Examine the system log and check whether there is a problem with the OS or the SMTP server.
KAVX0250-W	An error was returned from the SMTP server. Object = *object* Content = *content*	*Cause* The SMTP server returned the error response (SMTP protocol) output in *content* for the request (SMTP protocol) to the SMTP server output in *object*. *Action* Examine the system log and check whether there is a problem with the OS or the SMTP server.
KAVX0251-W	The length of the set value of a parameter exceeds the maximum. File name = *file-name* Parameter = *parameter-name*	*Cause* The length of the set value of the parameter exceeds the maximum. *Action*

Message ID	Message Text	Description
		Check the length of the parameter value specified in the appropriate settings file.
KAVX0252-W	The specified destination email address is invalid. Email address = *email-address*	*Cause* The SMTP server reported that the output email address is incorrect. *Action* Check the TO parameter in the email-sending definition file, or examine the system log and check whether there is a problem with the OS or the SMTP server.
KAVX0253-W	The specified parameter was not found. File name = *file-name* Parameter = *parameter-name*	*Cause* The parameter was not found. *Action* Make sure the `output` parameter is specified in the appropriate settings file.
KAVX0254-W	Preparation for sending email failed.	*Cause* The preparation for sending email failed. *Action* Check the message that was output before this message.
KAVX0255-W	Email cannot be sent.	*Cause* The email cannot be sent. *Action* Check the message that was output before this message.
KAVX0256-I	A connection to the Protection Manager service will now be established. Host name = *host-name*	*Cause* A connection to the Protection Manager service will be established. *Action* -
KAVX0257-I	The connection with the Protection Manager service will now be terminated. Host name = *host-name*	*Cause* The connection with the Protection Manager service will be terminated. *Action* -
KAVX0258-E	An error occurred during communication with the Protection Manager service. Host name = *host-name*	*(For GUI)* *Cause* An error occurred while communicating with a Replication Manager Application Agent service. *Action*

Message ID	Message Text	Description
		Confirm the following: 1. The Replication Manager Application Agent service is running. 2. There is no problem with the network. If there is a problem with the network, check the trace log details used to record detailed information about communication errors. 3. The execution times of live migrations and Replication Manager Application Agent functions do not overlap. Confirm that a live migration is not being performed with the information output by the virtualization software. *(For CLI)* *Cause* An error occurred during communication with the Protection Manager Service. The detailed content of the communication error is recorded in the detailed trace log information. *Action* Check the following: • Make sure the Protection Manager service is running normally on the connection-destination host. • Make sure the network settings are correct. • The execution times of live migrations and Replication Manager Application Agent commands do not overlap. Confirm that a live migration is not being performed with the information output by the virtualization software.
KAVX0259-E	The Protection Manager service could not be connected to. Host name = *host-name*	*(For GUI)* *Cause* An attempt to connect to a Replication Manager Application Agent service failed. *Action* Confirm the following: 1. The Replication Manager Application Agent service is running.

Message ID	Message Text	Description
		2. The port number settings between the source host and the destination host match. 3. The Replication Manager Application Agent versions between the source host and the destination host match. *(For CLI)* *Cause* An error occurred while connecting to the port for the Protection Manager Service. The system could not connect to the Protection Manager Service on the connection-destination host. *Action* Check the following: • Make sure the Protection Manager Service has started successfully. • Make sure the settings for the port number match on the connection-destination host and the connection-source host. • Make sure the versions of Replication Manager Application Agent match on the connection-destination host and the connection-source host.
KAVX0260-E	An attempt to check files on the backup server has failed.	*(For GUI)* *Cause* A communication error caused the file check on the backup server to fail. *Action* See the error message that precedes this message. *(For CLI)* *Cause* An attempt to check files on the backup server has failed due to a communication error. *Action* Check the message that was output before this message.
KAVX0261-E	A file referred to in a user script command does not exist. Host name = *host-name* Procedure section = *procedure-section*	*(For GUI)* *Cause* There is no Replication Manager Application Agent user script file. *Action* Specify a user script file that exists.

Message ID	Message Text	Description
	Execution file name = *execution-file-name*	*(For CLI)* *Cause* The specified file does not exist or a directory was specified. *Action* Specify an existing file.
KAVX0262-E	You do not have access permission for a file referred to in a user script command. Host name = *host-name* Procedure section = *procedure-section* Execution file name = *execution-file-name*	*(For GUI)* *Cause* One of the following is the cause of the problem: 1. You do not have the permissions to access the file. 2. The device is not ready. 3. The file is a character file. *Action* You must have permission to execute the user script file for Replication Manager Application Agent. *(For CLI)* *Cause* The possible causes are as follows: • There was no execution permission for the specified execution file. • The devices might not be fully prepared. • The content specified for the execution file might be a character file. *Action* You must have permission to execute the user script file.
KAVX0263-I	A command in the user script will now be executed. Host name = *host-name* Command line = *command-line*	*Cause* This message is output when a user script is executed. *Action* -
KAVX0264-E	Processing of the user script on the backup server has failed.	*(For GUI)* *Cause* The backup server has failed to process the user script for Replication Manager Application Agent. *Action* See the error message that precedes this message. *(For CLI)*

Message ID	Message Text	Description
		Cause The processing of the user script on the backup server has failed. *Action* Check the message that was output before this message.
KAVX0265-I	The Protection Manager service has started.	*Cause* The Protection Manager Service started. *Action* -
KAVX0266-E	An attempt to start the Protection Manager service has failed.	*(For GUI)* *Cause* An attempt to start the Replication Manager Application Agent service has failed. *Action* For information on what caused the error and how to handle it, see the message that immediately precedes this message. *(For CLI)* *Cause* An error occurred during the start of the Protection Manager Service. *Action* For details about cause of the error and the recovery procedure, see the message that was output immediately before this message.
KAVX0267-I	The Protection Manager service has stopped.	*Cause* The Protection Manager Service has stopped. *Action* -
KAVX0268-E	The IP address cannot be acquired. Host name = *host-name*	*(For GUI)* *Cause* The IP address of the target host cannot be acquired. *Action* Confirm that the host name is correct, that the target host is running, and that there are no problems with the network configuration. *(For CLI)* *Cause*

Message ID	Message Text	Description
		An error occurred while connecting to the Protection Manager Service. The IP address of the connection-destination host could not be acquired. *Action* Check the following: • Make sure the connection-destination host name is correct. • Make sure the connection-destination host has started successfully. • Make sure the network settings are correct.
KAVX0269-E	The Protection Manager service at the connection destination has stopped. Host name = *host-name*	*(For GUI)* *Cause* The Replication Manager Application Agent service stopped in the middle of communication. *Action* Perform operations after the Replication Manager Application Agent service has started. *(For CLI)* *Cause* An error occurred during communication with the Protection Manager Service. The Protection Manager Service on the connection-destination host stopped during command execution. *Action* Start the Protection Manager Service, and then re-execute the command.
KAVX0270-W	An operation executed on the temporary file failed. Operation = *operation* Factor = *factor*	*Cause* The operation of the temporary file failed. *Action* Examine the system log and check whether there is a problem with the OS.
KAVX0271-E	The version of Protection Manager service is invalid. Host name = *host-name*	*(For GUI)* *Cause* The Replication Manager Application Agent version on the target host is invalid. *Action*

Message ID	Message Text	Description
		Check the View Application Agent Settings window and confirm that the component versions match. *(For CLI)* *Cause* The version of Protection Manager Service installed on the connection-destination host is invalid. *Action* Check the version of Replication Manager Application Agent installed on the connection-destination host.
KAVX0272-E	An error occurred in the Protection Manager service. Host name = *host-name*	*(For GUI)* *Cause* An error occurred on the target host. *Action* For information on what caused the error and how to handle it, see the message that follows this message. *(For CLI)* *Cause* An error occurred on the connection-destination host. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX0006-E message, and then take appropriate action.
KAVX0273-W	A parameter setting value is invalid. File name = *file-name* Parameter = *parameter-name*	*Cause* The value set in the parameter is incorrect. *Action* Check the parameter value specified in the appropriate settings file.
KAVX0274-W	Memory is insufficient.	*Cause* The memory necessary for executing the commands that Replication Manager Application Agent provides is insufficient. *Action* Check the Release Notes attached to the product and add the necessary memory.
KAVX0275-I	Email sending will now start.	*Cause* This message is output when sending email starts.

Message ID	Message Text	Description
		Action -
KAVX0276-I	Email sending will now end.	*Cause* This message is output when sending email ends. *Action* -
KAVX0277-E	The name of a file referred to in a user script command is invalid. Host name = *host-name* Procedure section = *procedure-section* Command line = *command-line* Execution file name = *execution-file-name*	*(For GUI)* *Cause* An error was detected by the file-name check in `CMDLINE` in the user script file for Replication Manager Application Agent. *Action* Check whether the path (or file) name specified in `CMDLINE` in the user script file for Replication Manager Application Agent contains any spaces. If it contains spaces, confirm that the path (or file) name is enclosed by double quotation marks ("). Likewise, confirm that the quotation marks (") are not specified as nested elements. *(For CLI)* *Cause* An error occurred during the file name check for the command line defined in the user script file. *Action* Check the following for how to specify the `CMDLINE` in the user script file: • Make sure any path name or file name that contains a space is enclosed in double quotation marks ("). • Make sure the double quotation marks (") are not nested (the double quotation marks are not enclosed in another set of double quotation marks).
KAVX0278-E	A command called from other commands cannot be executed.	*(For GUI)* *Cause* An operation that conflicts with one of the following ongoing operations was attempted: 1. User script `PRE_PROC` processing and script execution on the local server

Message ID	Message Text	Description
		2. User script RESYNC_PROC processing 3. User script SPLIT_PROC processing 4. User script FINISH_PROC processing *Action* Do not perform another operation if any of the above operations are in progress. *(For CLI)* *Cause* Only the POST_PROC processing and the script that is executed on the backup server on which the PRE_PROC processing is being performed can call a Replication Manager Application Agent command. If a Replication Manager Application Agent command is called from the following processing in the user script, an error occurs. • PRE_PROC processing (when scripts are executed on the local server) • RESYNC_PROC processing • SPLIT_PROC processing • FINISH_PROC processing *Action* Do not call a Replication Manager Application Agent command during the above processing.
KAVX0279-E	The local host is specified for the connection destination of the Protection Manager service.	*(For GUI)* *Cause* The Replication Manager Application Agent service was set to connect to the local host. *Action* Do not set the Replication Manager Application Agent service to connect to the local host. *(For CLI)* *Cause* The local host was specified for the connection destination of the Protection Manager service. *Action* Do not specify the local host for the connection destination of the Protection Manager service.

Message ID	Message Text	Description
KAVX0280-E	The port number of the following protocol is already in use. Protocol = *protocol-name* Port number = *port-number*	*(For GUI)* *Cause* The port number for this protocol is already in use. *Action* Confirm that the port number for the displayed protocol is not being used by another process. *(For CLI)* *Cause* - *Action* Register a port number that is not used by the protocol in the *system-directory*`\system32\drivers\etc\services` file by following the setup procedure.
KAVX0281-E	Administrator privileges are required for this execution environment.	*(For GUI)* *Cause* Replication Manager Application Agent is not being run with administrator permissions. *Action* Run Replication Manager Application Agent with administrator permissions. *(For CLI)* *Cause* Re-execute the Replication Manager Application Agent command as a user who has OS administrator privileges. *Action* For details on how to start a command as a user who has OS administrator privileges, see the OS documentation.
KAVX0282-E	A transaction log error was detected during verification processing. Base name = *base-name*	*Cause* This message is output when a transaction log error is detected during verification. *Action* -
KAVX0300-I	The specified copy group was locked.	*Cause* The specified copy group was locked. *Action* -

Message ID	Message Text	Description
KAVX0301-I	The specified copy group was unlocked.	*Cause* The specified copy group was unlocked. *Action* -
KAVX0302-I	The copy group(s) associated with the specified backup ID were locked.	*Cause* The copy group(s) associated with the specified backup ID were locked. *Action* -
KAVX0303-I	The copy group(s) associated with the specified backup ID were unlocked.	*Cause* The copy group(s) associated with the specified backup ID were unlocked. *Action* -
KAVX0304-W	The specified copy group has already been locked or unlocked.	*Cause* Possible causes are as follows: • You attempted to lock a copy group that has already been locked. • You attempted to unlock a copy group that has already been unlocked. *Action* No user action is required.
KAVX0305-W	The copy group(s) associated with the specified backup ID have already been locked or unlocked.	*Cause* Possible causes are as follows: • You attempted to lock copy groups associated with the backup ID that have already been locked. • You attempted to unlock copy group(s) associated with the backup ID that have already been unlocked. *Action* No user action is required.
KAVX0309-E	An attempt to execute the *command-name* command failed. Cause = *detailed-message*	*Cause* An error was detected when the command *command-name* was executed. *Action* Check the Replication Manager Application Agent trace log and the OS system log for any message that indicates a file system error.

Message ID	Message Text	Description
KAVX0310-I	Enter the resource group name:	*Cause* This message is output when you execute the `drmclusinit` command. The message prompts you to input the name of the cluster resource group. *Action* -
KAVX0311-I	Enter the resource name:	*Cause* This message is output when you execute the `drmclusinit` command. The message prompts you to input the name of the cluster resource. *Action* -
KAVX0312-I	Cluster information was updated.	*Cause* This message is output when you execute the `drmclusinit` command, and cluster information is updated successfully. *Action* -
KAVX0313-I	Enter the virtual host name:	*Cause* This message is output when you execute the `drmclusinit` command. The message prompts you to enter the cluster's virtual server name. *Action* -
KAVX0314-I	Enter the resource type (S for service. D for disk):	*Cause* This message is output when you execute the `drmclusinit` command. The message prompts you to enter the cluster's resource type. *Action* -
KAVX0315-I	Enter the service name:	*Cause* This message is output when you execute the `drmclusinit` command. The message prompts you to enter the cluster's service resource name. *Action* -
KAVX0316-I	Enter the drive name:	*Cause* This message is output when you execute the `drmclusinit` command.

Message ID	Message Text	Description
		The message prompts you to enter the cluster's disk resource name. *Action* -
KAVX0317-I	Enter the instance name:	*Cause* This message is output when you execute the `drmclusinit` command. The message prompts you to enter the name of the instance or the storage group to be backed up or restored in a cluster environment. *Action* -
KAVX0318-E	An attempt to update the cluster information failed.	*Cause* This message is output when you execute the `drmclusinit` command but register cluster management information incorrectly. *Action* Check the settings and startup status of the cluster software. If they are correct, examine the system log and check whether there is any problem with the OS.
KAVX0319-E	An attempt to check the specified cluster resource has failed. Cluster resource name = *cluster-resource-name*	*Cause* This message is output if an error occurs during the checking of the entered cluster resource. *Action* Check the settings and startup status of the cluster software, and then re-execute the command.
KAVX0320-E	An attempt to check the cluster resource failed because the specified cluster process was stopped. An attempt to check the specified cluster resource failed because the cluster process was stopped. Cluster resource name = *cluster-resource-name*	*Cause* This message is output if the system could not check the cluster status because the clustering service was inactive at the time the attempt was made to check the entered cluster resources. *Action* Check the settings and startup status of the cluster software. Start the cluster, and then re-execute the `drmclusinit` command.
KAVX0321-W	The specified cluster resource does not exist. Cluster resource name = *cluster-resource-name*	*Cause* This message is output if the entered cluster resource does not exist. *Action*

Message ID	Message Text	Description
		Check whether the settings of the cluster software and the entered parameter are correct. If they are correct, examine the system log and check whether there is any problem with the OS.
KAVX0322-E	The specified cluster information is not registered.	*Cause* This message is output if the parameter for the specified cluster software has not been set. *Action* Check the settings and startup status of the cluster software. Start the cluster, and then re-execute the `drmclusinit` command.
KAVX0323-E	An attempt to open the cluster has failed.	*(For GUI)* *Cause* An attempt to open the cluster failed. *Action* Check the Windows event log, and then resolve the cause of the error. *(For CLI)* *Cause* This message is output when an attempt to open MSCS fails. *Action* Examine the Windows event log and remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
KAVX0324-E	The cluster resource could not be placed online. Resource name = *cluster-resource-name* Code = *error-code*	*(For GUI)* *Cause* The cluster resource could not be placed online. *Action* Check the Windows event log, and the OS error code that is displayed in the message, and then resolve the cause of the error. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is output when an attempt to place an MSCS cluster resource online fails. *Action* Examine the OS error code displayed with this message and the Windows event log, and then remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
KAVX0325-E	The cluster resource could not be placed offline. Resource name = *cluster-resource-name* Code = *error-code*	*(For GUI)* *Cause* The cluster resource could not be placed offline. *Action* Check the Windows event log, and the OS error code that is displayed in the message, and then resolve the cause of the error. *(For CLI)* *Cause* This message is output when an attempt to place an MSCS cluster resource offline fails. *Action* Refer to the OS error code displayed with this message and the Windows event log, and then remove the cause of the error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
KAVX0326-E	An attempt to acquire information on the cluster has failed.	*(For GUI)* *Cause* An attempt to acquire cluster information has failed. *Action* Check the Windows event log, and then resolve the cause of the error. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is output when an attempt to acquire MSCS information fails. *Action* Examine the Windows event log and remove the cause of this error. If the same message reappears after removing the cause of the error, refer to the troubleshooting explanation in the manual *Replication Manager Application Agent CLI User Guide*, collect all the required data, and then contact your support center.
KAVX0327-E	Enter a correct cluster product name.	*Cause* The cluster software name specified in the `drmclusinit` command is invalid. *Action* Specify the correct cluster software name, and then re-execute the command.
KAVX0328-W	Enter a correct virtual server name. Virtual server name = *virtual-server-name*	*Cause* The specified virtual server name does not exist. *Action* Check the following, and then re-enter the correct parameter: • Make sure the cluster is set correctly. • Make sure the entered virtual server name is correct. • Make sure `DRM_DB_PATH` corresponds to the entered virtual server name is defined in the configuration definition file (`init.conf`).
KAVX0329-W	The specified virtual server has already been registered. Virtual server name = *virtual-server-name*	*Cause* The specified virtual server name has already been registered. *Action* Check the cluster settings, and then re-enter the correct virtual server name.
KAVX0330-E	An attempt to check the cluster resource group has failed. Cluster resource group name = *cluster-resource-group-name*	*Cause* An error occurred during the checking of the specified cluster resource group. *Action*

Message ID	Message Text	Description
		A virtual server name might not be assigned to the specified cluster resource group (when the OS is Windows and Veritas Cluster Server is used in the cluster configuration). Check the settings and startup status of the cluster software, and then re-execute the command.
KAVX0331-E	An attempt to check the specified cluster resource group failed because the cluster process was stopped. Cluster resource group name = *cluster-resource-group-name*	*Cause* The cluster status could not be checked because the cluster had stopped during the checking of the specified cluster resource group. *Action* Start the cluster, and then register the cluster resource group.
KAVX0332-W	The specified cluster resource group does not exist. Cluster resource group name = *cluster-resource-group-name*	*Cause* The specified cluster resource group does not exist under the control of the cluster. *Action* Check the cluster settings, and then re-enter the correct parameter.
KAVX0333-W	The specified cluster resource group has already been registered. Cluster resource group name = *cluster-resource-group-name*	*Cause* The specified cluster resource group has already been registered. *Action* Check the cluster settings, and then re-enter the correct parameter.
KAVX0334-W	Enter a correct resource type. Resource type = *resource-type*	*Cause* The specified resource type is invalid. *Action* Check the cluster settings, and then re-enter the correct parameter.
KAVX0335-W	The specified cluster resource does not exist in the cluster resource group. Cluster resource name = *cluster-resource-name*	*Cause* The specified cluster resource does not exist in the cluster resource group. *Action* Check the cluster settings, and then re-enter the correct parameter.
KAVX0336-W	The specified cluster resource cannot be specified. Cluster resource name = *cluster-resource-name*	*Cause* An invalid resource type was specified for the cluster resource. *Action* Check the cluster settings, and then re-enter the correct parameter.

Message ID	Message Text	Description
KAVX0337-W	The specified cluster resource has already been registered. Cluster resource name = *cluster-resource-name*	*Cause* The specified cluster resource has already been registered. *Action* Check the cluster settings, and then re-enter the correct parameter.
KAVX0338-W	The specified drive name does not correspond to the cluster resource. Drive name = *drive-name*	*Cause* The specified drive name does not correspond to the cluster resource. *Action* Check the cluster settings, and then re-enter the correct parameter.
KAVX0339-W	The virtual server name defined in the specified cluster resource group does not match the specified virtual server name. Cluster resource group name = *cluster-resource-group-name*	*Cause* The specified cluster resource group does not correspond to the specified virtual server name. *Action* Check the cluster settings, and then re-enter the correct parameter.
KAVX0340-E	An attempt to check the virtual server name has failed. Virtual server name = *virtual-server-name*	*Cause* An error occurred when checking the entered virtual server name. *Action* Check the following: • Make sure that the cluster software is installed correctly. • Make sure the cluster is running.
KAVX0400-I	Mounting will now start. Mount point = *name-of-mount-point-directory-on-backup-server*	*Cause* This message is displayed when executing a backup to tape or a restoration from tape, at the start of the operation to mount the secondary volume on the backup server. *Action* -
KAVX0401-I	Mounting has finished. Mount point = *name-of-mount-point-directory-on-backup-server*	*Cause* This message is displayed when executing a backup to tape or a restoration from tape, at the successful end of the operation to mount the secondary volume on the backup server. *Action* -
KAVX0402-I	Backup processing will now start.	*Cause*

Message ID	Message Text	Description
	To see more details on backup progress, use the monitoring method of the backup management product. Source = *backup-source-directory-name*	This message is displayed when the backup command of the backup management product starts when backing up to tape. *Action* -
KAVX0403-I	Backup processing has finished. Source = *backup-source-directory-name*	*Cause* This message is displayed when the backup command of the backup management product starts when backing up to tape. *Action* -
KAVX0404-I	Restoration will now start. To see more details on restoration progress, use the monitoring method of the backup management product. Source = *restoration-source-directory-name* Target = *name-of-mount-point-directory-at-restoration-destination*	*Cause* This message is displayed when the restore command of the backup management product starts when restoring from tape. *Action* -
KAVX0405-I	Restoration has finished. Source = *restoration-source-directory-name* Target = *name-of-mount-point-directory-at-restoration-destination*	*Cause* This message is displayed when the restore command of the backup management product ends after restoring from tape. *Action* -
KAVX0406-I	Unmounting will now start. Mount point = *name-of-mount-point-directory-on-backup-server*	*Cause* This message is displayed when executing a backup to tape or a restoration from tape, at the start of the operation to unmount the secondary volume on the database server. *Action* -
KAVX0407-I	Unmounting has finished. Mount point = *name-of-mount-point-directory-on-backup-server*	*Cause* This message is displayed when executing a backup to tape or a restoration from tape, at the successful end of the operation to unmount the secondary volume on the database server. *Action* -

Message ID	Message Text	Description
KAVX0408-E	An attempt to execute the backup command failed. Command = *name-of-command-executed-by-NetBackup-or-Backup-Exec* Error code = *error-number-returned-by-the-command-of-NetBackup-or-Backup-Exec*	*Cause* The NetBackup command or Backup Exec command resulted in an error. *Action* Refer to the documentation for NetBackup or Backup Exec to obtain error information associated with the error code, and take action based on this information. Then re-execute the command.
KAVX0409-E	An attempt to execute the restore command failed. Command = *name-of-command-executed-by-NetBackup-or-Backup-Exec* Error code = *error-number-returned-by-the-command-of-NetBackup-or-Backup-Exec*	*Cause* The NetBackup command or Backup Exec command resulted in an error. *Action* Refer to the documentation for NetBackup or Backup Exec to obtain error information associated with the error code, and take action based on this information. Then re-execute the command.
KAVX0410-E	An attempt to obtain the installation path failed. Backup management product = *name-of-backup-management-product-to-be-used*	*Cause* The backup management product (NetBackup or Backup Exec) you want to use is not installed. *Action* Install NetBackup or Backup Exec, and then re-execute the command.
KAVX0411-I	Enter the backup management product name.	*Cause* During the `drmtapeinit` command execution, this message prompts you to enter the type of backup management product that will be linked with Replication Manager Application Agent. *Action* If the installed backup management product is NetBackup, enter `NBU` and press **Enter**. If the product is Backup Exec, enter `BEWS` and press **Enter**.
KAVX0412-I	Enter the backup class name.	*Cause* After the `drmtapeinit` command was executed and `NBU` was selected as the product type, this message prompts you to specify the name of the backup class definition for NetBackup. *Action* -

Message ID	Message Text	Description
KAVX0413-I	Enter the backup schedule name:	*Cause* After the `drmtapeinit` command was executed and `NBU` or `BEWS` was selected as the product type, this message prompts you to specify the name of the backup class definition for NetBackup and the name of the related backup schedule. *Action* -
KAVX0414-I	Backup parameters were updated.	*Cause* The `drmtapeinit` command terminated normally and the parameters for working with the backup management product were correctly updated. *Action* -
KAVX0415-I	Enter the file name of the backup job script:	*Cause* After the `drmtapeinit` command was executed and `BEWS` was selected as the product type, this message prompts you to enter the file name of the Backup Exec backup job script. *Action* Enter the file name of the Backup Exec backup job script used with the backup management product commands `drmtapebackup`, `drmtaperestore`, `drmmediabackup`, and `drmmediarestore`, and then press **Enter**.
KAVX0416-E	The backup management product has not been set up yet.	*Cause* Possible causes are as follows: • The `drmmediabackup`, `drmtapebackup`, or `drmtaperestore` command was executed before using the `drmtapeinit` command to set the parameters for working with the backup management product. • The `drmmediabackup`, `drmtapebackup`, or `drmtaperestore` command was mistakenly executed on the file server or database server. *Action* Execute the `drmtapeinit` command and then execute this command.

Message ID	Message Text	Description
KAVX0417-I	Enter the number of days to store the backup catalog.	*Cause* This message is displayed during execution of the `drmtapeinit` command and prompts you for the number of days to store the backup catalog used for tape backup. *Action* -
KAVX0418-I	Backup information from the specified file was imported into the backup catalog. Imported backup ID = *backup-ID*	*(For GUI)* *Cause* The backup ID has been imported normally. *Action* No user action is required. *(For CLI)* *Cause* This message is displayed when the `drmdbimport` command successfully imported backup catalog information for the backup ID. *Action* -
KAVX0419-E	Backup information associated with the specified backup ID cannot be exported.	*(For GUI)* *Cause* An attempt was made to export the replica history before the backup data was backed up to tape. *Action* If you select the **Export a replica catalog file on the backup server for tape backup** check box when creating a replica, specify that tape backup be performed as a post job. *(For CLI)* *Cause* You attempted to export backup catalog information before backing up data to tape. *Action* Back up data to tape, and then export the backup catalog information.
KAVX0420-E	An invalid backup ID was specified. Specify the backup ID of the backup information that was imported by the drmdbimport command.	*Cause* Data cannot be backed up to tape because the specified backup ID is incorrect. *Action*

Message ID	Message Text	Description
		When you back up data to tape, specify the backup ID associated with the backup information that was imported by the `drmdbimport` command.
KAVX0421-E	An invalid backup ID was specified. Please specify the backup ID acquired using the drmtapebackup command.	*Cause* The backup data with the specified backup ID was not backed up by the `drmtapebackup` command. *Action* Specify the ID of backup data that was backed up to tape by the `drmtapebackup` command.
KAVX0422-W	The specified name of the backup management product is invalid.	*Cause* The specified name of the backup management product is invalid. *Action* Enter a correct name for the backup product.
KAVX0423-W	The specified value is not in the range from 0 to 365.	*Cause* During execution of the `drmtapeinit` command, an incorrect number of days specified for the retention period for the backup information was detected. *Action* Specify a value in the range from 0 to 365 days.
KAVX0424-I	The backup information corresponding to the specified backup ID has been deleted. Backup ID = *backup-ID-to-be-deleted*	*Cause* This message is displayed when the `drmtapecat` or `drmappcat` command successfully deletes the backup information corresponding to the specified backup ID. *Action* -
KAVX0425-E	The specified backup ID is unavailable for mounting the volumes.	*(For GUI)* *Cause* The specified replica is the backup of a RAW device. *Action* The specified replica cannot be mounted. Continue without mounting the replica. *(For CLI)* *Cause*

Message ID	Message Text	Description
		The backup data of the specified backup ID is structured as a raw volume. You do not need to mount the volumes because no file systems have been created on the raw volumes. *Action* Continue operation without mounting.
KAVX0426-E	You cannot execute this command because the number of available drive letters is insufficient.	*(For GUI)* *Cause* There are not enough drive letters. *Action* Set aside more drive letters than there are volumes, and then retry the command. Or, mount a secondary volume in the mount point directory. *(For CLI)* *Cause* Some secondary volumes cannot be mounted because there are insufficient drive letters currently available for mounting volumes. *Action* Unmount unnecessary volumes to make sure that the number of available drive letters is sufficient for mounting the secondary volumes. Then re-execute the command. Alternatively, specify the `-mount_pt` (mount point directory name) option, and then mount secondary volumes on the mount point directory.
KAVX0427-E	An attempt to perform backup has failed. Mount point = *mount-point-directory-name-or-drive-letter* Cause = *detailed-message*	*Cause* - *Action* Check the parameter settings in the tape backup configuration definition file. For NetBackup, check the following items: • Make sure that the master server specified for the `NBU_MASTER_SERVER` parameter is running. • If YES has been specified for `INCLUDE_EXEC`, or if the parameter has been omitted, make sure that a media server has been installed on the backup server.

Message ID	Message Text	Description
		• If a value other than YES has been specified for INCLUDE_EXEC, make sure that the path to the backup target has already been specified in the policy (class). Examine the message indicated by the cause code and the trace log provided by the backup management product, and check whether an error code has been output by the backup management product. If you cannot locate the cause of the problem, contact your support center.
KAVX0428-E	The type of backup object that was specified is invalid.	*Cause* This message is output if an invalid backup object type is specified when the drmtapecat command with the -o option is executed. *Action* Check the backup object type that the drmtapecat command outputs, and then re-execute the drmtapecat command.
KAVX0429-E	An attempt to perform restore has failed. Restore source = *mount-point-directory-name-or-drive-letter* Restore point = *mount-point-directory-name-or-drive-letter* Cause = *cause-code-being-output-to-backup-management-product*	*Cause* - *Action* Check the parameter settings in the tape backup configuration definition file. For NetBackup, check the following items: • The master server specified for the NBU_MASTER_SERVER parameter is running. • The master server specified for the NBU_MASTER_SERVER parameter is the master server used at backup. Examine the message indicated by the cause code and the trace log provided by the backup management product, and check whether an error code has been output by the backup management product. If you cannot locate the cause of the problem, contact your support center.
KAVX0430-E	An invalid backup ID was specified. Specify the backup ID acquired by using the drmtapebackup	*Cause* The backup ID specified with the drmtapebackup command or the drmmediabackup command could not be acquired.

Message ID	Message Text	Description
	command or the drmmediabackup command.	*Action* Using the `drmtapebackup` command or the `drmmediabackup` command, specify the backup ID obtained when you backed up to other media.
KAVX0431-E	An attempt to create the backup execution interface file has failed. Cause = *cause*	*Cause* Possible cases are as follows: • The user executing the command does not have access permission for the file. • Unused drive capacity is insufficient. *Action* Make sure that the unused drive capacity is sufficient, and then re-execute the command as a user with system administrator permissions.
KAVX0432-E	An attempt to create the restore execution interface file has failed. Cause = *cause*	*Cause* Possible cases are as follows: • The user executing the command does not have access permission for the file. • Unused drive capacity is insufficient. *Action* Make sure that the unused drive capacity is sufficient, and then re-execute the command as a user with system administrator permissions.
KAVX0433-E	An attempt to create the temporary file has failed. Cause = *cause* File name = *temporary-file-name*	*Cause* A temporary file for internal use by Replication Manager Application Agent could not be created. *Action* Re-execute the command as a user with system administrator permissions. Also, make sure that there is enough unused capacity on the drive.
KAVX0434-E	An attempt to open the mount point file failed. Mount point file name = *file-name*	*(For GUI)* *Cause* Possible causes for this are as follows: 1. You do not have permission to access the file used by Replication Manager Application Agent. 2. A directory exists that has the same name as the file used by

Message ID	Message Text	Description
		Replication Manager Application Agent. *Action* Change your permission to access the file used by Replication Manager Application Agent, or delete the directory, and then retry the operation. Confirm that you have permission to access the temporary file directory. The temporary file directory is located in the following location: Windows *replication-manager-application-agent-installation-directory*\tmp *(For CLI)* *Cause* The mount point file could not be opened. *Action* Make sure that there are sufficient access permissions for the temporary file directory. The temporary file directory is stored in the following: In Windows: *Replication-Manager-Application-Agent-installation-directory*\DRM\tmp
KAVX0435-E	An attempt to read the mount point file failed. Mount point file name = *file-name*	*(For GUI)* *Cause* A file used by Replication Manager Application Agent cannot be read. An attempt to read the mount point failed. *Action* Unmount the mount point. Next, mount the mount point, if necessary, and then retry the operation. *(For CLI)* *Cause* The mount point file is invalid, either because of some inconsistency, or because it is damaged. *Action* Delete the mount point file, and then re-execute the command.
KAVX0436-E	An invalid backup ID was specified.	*Cause* The backup ID specified for the drmmediarestore command was not

Message ID	Message Text	Description
	Please specify the backup ID acquired using the drmmediabackup command or drmtapebackup command.	an ID created by the `drmtapebackup` or `drmmediabackup` command. *Action* Specify a backup ID acquired previously for backup to another medium by using the `drmtapebackup` or `drmmediabackup` command.
KAVX0437-E	You have to specify the -raw option for the specified backup ID.	*Cause* An attempt was made to back up a backup ID that was mounted with the `-raw` option, but the `drmmediabackup` command used for the backup did not have the `-raw` option specified. *Action* Specify the `-raw` option, and then re-execute backup.
KAVX0438-E	The lock or unlock of a copy group corresponding to the specified backup ID went wrong.	*(For GUI)* *Cause* An attempt to lock or unlock the copy group corresponding to the specified replica failed. *Action* Contact the Support Center. *(For CLI)* *Cause* An attempt within the command to lock or unlock the copy group corresponding to the backup ID has failed. *Action* See the actions taken for dictionary map file errors in the manual *Replication Manager Application Agent CLI User Guide*, and then execute the dictionary map file recovery procedure.
KAVX0439-E	The directory specified with the -bkdir option does not exist. Directory name = *backup-file-directory-name*	*Cause* This message is output when the directory of the backup file specified for the `-bkdir` option does not exist. *Action* Specify the name of an existing backup file directory.
KAVX0440-E	The path specified with the -bkdir option is invalid. Directory name = *backup-file-directory-name*	*Cause* This message is output when the backup file directory name specified for the `-bkdir` option is not an absolute path, or when the root (drive letter) is specified.

Message ID	Message Text	Description
		Action Specify a backup file directory name that is an absolute path, other than the root (drive letter).
KAVX0441-W	You cannot specify the -bkdir option for this backup ID.	*Cause* This message is output when a backup ID for a non-existent backup file directory is specified. *Action* Specify an existing backup ID for a backup file directory.
KAVX0442-E	The file specified in the -bup_env option does not exist. File name = *configuration-definition-file-name*	*Cause* This message is output when one of the following conditions exist: • The specified configuration definition file does not exist. • The name of the specified configuration definition file contains the directory path. *Action* Specify the name of an existing configuration definition file.
KAVX0443-I	The copy group mount definition file was updated. File name = *copy-group-mount-definition-file*	*Cause* This message appears when the update of the copy group mount definition file finishes. *Action* -
KAVX0444-E	An attempt to open the copy group mount definition file has failed. File name = *copy-group-mount-definition-file*	*(For GUI)* *Cause* The file used by Replication Manager Application Agent could not be opened. *Action* Contact the Support Center. *(For CLI)* *Cause* The copy group mount definition file could not be opened. *Action* Check the access permissions for the copy group mount definition file. If the file is corrupted, delete it, and then re-create it by using the `-conf` option of the `drmmount` command.

Message ID	Message Text	Description
KAVX0445-E	An attempt to read the copy group mount definition file has failed. File name = *copy-group-mount-definition-file*	*(For GUI)* *Cause* The file used by Replication Manager Application Agent could not be read. *Action* Contact the Support Center. *(For CLI)* *Cause* The copy group mount definition file cannot be read, or the format is different because the file was modified incorrectly. *Action* Check the access permissions for the copy group mount definition file. If the file is corrupted, delete it, and then re-create it by using the `-conf` option of the `drmmount` command.
KAVX0446-E	An attempt to write the copy group mount definition file has failed. File name = *copy-group-mount-definition-file*	*(For GUI)* *Cause* An attempt to write to a file used by Replication Manager Application Agent failed. *Action* Contact the Support Center. *(For CLI)* *Cause* This message appears when an attempt to write in the copy group mount definition file fails. The copy group mount definition file cannot be written to. *Action* Check the access permissions for the copy group mount definition file. If the file is corrupted, delete it, and then re-create it by using the `-conf` option of the `drmmount` command.
KAVX0447-E	An attempt to acquire logical volume configuration from the target copy group has failed. Copy group name = *copy-group*	*(For GUI)* *Cause* An attempt to acquire the logical volume information from the secondary volume of the target copy group failed. *Action*

Message ID	Message Text	Description
		If the target is a copy group for basic drives, a logical volume might not have been created or formatted for the secondary volume. Create and format a logical volume, and then reattempt the backup. *(For CLI)* *Cause* Logical volume information could not be acquired from the secondary volume of the target copy group. *Action* Depending on the disk type, take appropriate action from the following: • For basic disk copy groups: a logical volume might not have been created for the secondary volume, or the secondary volume might not have been formatted. Create and format the logical volume, and then try to acquire the backup again. • For dynamic disk copy groups: The copy group mount definition file must be updated. To update, specify the `drmmount` command with the backup ID and `-conf` options specified. If you cannot check whether the volume configuration is correct in advance, re-apply the volume configuration of the primary volume to match the secondary volume according to the *Replication Manager Application Agent CLI User Guide*, and then execute the `drmmount` command with the backup ID and `-conf` options specified.
KAVX0448-E	The volume configuration of the specified backup information is different from the copy group mount definition.	*(For GUI)* *Cause* The volume configuration for the specified replica information differs from the file definition used by Replication Manager Application Agent. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when the logical volume configuration of the

Message ID	Message Text	Description
		specified backup catalog does not match that of the copy group mount definition file. Possible causes are: 1. The logical volume configuration of the primary volume has been changed but has not been applied to the copy group mount definition file. 2. The logical volume configuration of the primary volume has been changed and applied to the copy group mount definition file, but the backup catalog from before the configuration change was specified. *Action* Depending on the cause, take appropriate action from the following: 1. Execute the `drmmount` command with the `-conf` option specified to update the copy group mount definition. 2. Specify the backup ID of a backup catalog corresponding to the current configuration.
KAVX0449-E	The contents of the copy group mount definition file are invalid. Parameter name = *parameter-name* Parameter value = *parameter-value*	*(For GUI)* *Cause* The file used by Replication Manager Application Agent is invalid. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when the value of an item defined in the copy group mount definition file is invalid. *Action* Correct the item in the copy group mount definition file. • To change FS, specify an absolute path that starts with a drive letter. Note that you cannot change items other than FS. • To apply the volume configuration change, execute the `drmmount` command with the `-conf` option specified to update the copy group mount definition.

Message ID	Message Text	Description
KAVX0450-I	The *extended-command-name* command will now start.	*Cause* The extended command has started. *Action* -
KAVX0451-I	The *extended-command-name* command will now end.	*Cause* The extended command has ended. *Action* -
KAVX0452-E	An attempt to execute the *extended-command-name* command has failed.	*Cause* An attempt to execute the extended command has failed. *Action* Perform the following, based on the message output to the trace log file for extended commands (`drm_script.log` or `drm_script.log.old`): • Make sure that the series of extended commands related to the operation ID are executed in the correct order, and check the prerequisites for each command. • Check the error message that was output before the KAVX0452-E message.
KAVX0453-E	An error that stopped processing occurred. Cause = *cause*	*Cause* A fatal error has occurred which prevents processing from continuing. *Action* For the cause of the error, see DRM-10000 - DRM-19999 on page 2-3.
KAVX0454-E	An attempt to obtain the information for the specified operation ID failed. Cause = *cause* Definition File = *definition-file-name*	*Cause* The definition file for the specified operation ID could not be obtained. *Action* Check that the displayed definition file exists in the definition file storage directory. When the file exists, execute the check tools and check that the contents are valid.
KAVX0455-E	An invalid option was specified.	*Cause* Possible causes are as follows. • A non-existent option was specified. • A required option was not specified.

Message ID	Message Text	Description
		• Two options that cannot be specified simultaneously were specified. • The options are specified in the incorrect order. *Action* Check the extended command usage, and then re-execute the extended command.
KAVX0456-E	An attempt to obtain a backup ID has failed. Cause = *cause* File recording backup IDs = *backup-ID-file-name*	*Cause* A backup ID that is required to execute an extended command could not be obtained from the backup ID file. *Action* Check that the extended commands are executed in the correct sequence and that the backup ID file is created. For information about where the backup ID recording file is stored, see the explanation about the temporary directory for extended commands in the manual *Replication Manager Application Agent CLI User Guide*.
KAVX0457-E	An attempt to obtain information from the specified file has failed. Cause = *cause* Target File = *file-name*	*Cause* Required information could not be obtained from the specified file. *Action* Check that the specified file exits. When the file exists, check the contents.
KAVX0458-W	An error occurred in the trace log file. Cause = *cause*	*Cause* An error was detected when the trace log file (`drm_script.log` or `drm_script.log.old`) was manipulated. *Action* Examine the system log and check if there are any problems with the OS. If there are no problems, contact your support center.
KAVX0459-E	An attempt to execute the *command-name* command has failed. Cause = *cause* Code = *command-return-value*	*Cause* A command that started from the extended command has ended with an error. *Action* Perform either of the following:

Message ID	Message Text	Description
		• See the extended commands explanation in the manual *Replication Manager Application Agent CLI Reference Guide*, eliminate the cause of the failure, and then re-execute the command. • When the failed command is a Replication Manager Application Agent command (`drm`*xxx*), see the Replication Manager Application Agent trace log, remove the cause of the failure, and then re-execute the command.
KAVX0460-E	An attempt to execute the *command-name* command failed. Code = *return-value-of-the-command*	*Cause* A command that started from the extended command has ended with an error. *Action* Perform either of the following: • See the extended commands explanation in the manual *Replication Manager Application Agent CLI Reference Guide*, eliminate the cause of the failure and then re-execute the command. • When the failed command is a Replication Manager Application Agent command (`drm`*xxx*), see the Replication Manager Application Agent trace log, remove the cause of the failure, and then re-execute the command.
KAVX0461-E	An attempt to transmit files failed. Cause = *cause-of-file-transmission-error* From = *source-host-name* To = *destination-host-name*	*Cause* An FTP file transmission operation failed. *Action* On the FTP server, check that you have write permission for the destination directory. Check also that the destination directory has sufficient unused capacity and that the network status is normal.
KAVX0462-I	The verification of the specified file will now start. File = *definition-file-name*	*Cause* The verification of the definition file specified in the option has started. *Action* -

Message ID	Message Text	Description
KAVX0463-I	The verification of the specified file will now end. The verification of the specified file has succeeded.	*Cause* The verification of the definition file specified in the option has ended. *Action* -
KAVX0464-E	An error was detected during definition file checking.	*Cause* An error was detected during definition file checking. *Action* Take appropriate action based on the displayed definition error message.
KAVX0465-E	An attempt to obtain the information described in the specified definition file failed. Cause = *cause* Target File = *definition-file-name*	*Cause* Required information could not be obtained from the specified definition file. *Action* Check that the specified file exists. If the file exists, check the contents.
KAVX0466-E	An essential item is not found in the specified file. Item = *item-name*	*Cause* The required items are not defined in the definition file specified by the option. *Action* Check the contents of the definition file, define the required items, and re-execute the check tool.
KAVX0467-E	An item with an empty value exists in the specified file. Item = *item-name*	*Cause* The value of a required item is not set in the definition file specified by the option. *Action* Check the contents of the definition file, set the values of the required items, and re-execute the check tool.
KAVX0468-E	The specified file assigns conflicting values for the same item. Item = *item-name*	*Cause* The same item is specified more than once in the definition file specified by the option. *Action* Check the contents of the definition file and make sure that no items are duplicated. Then re-execute the check tool.
KAVX0469-E	The assigned character string for the item exceeds the	*Cause*

Message ID	Message Text	Description
	maximum number of characters. Item = *item-name* Character = *item-value* Maximum number = *maximum-number-of-characters*	The number of characters of an item set in the definition file specified by the option exceeds the maximum limit. *Action* Check the contents of the definition file and enter the value within the allowed number of characters. Then re-execute the check tool.
KAVX0470-E	An attempt to connect the database with assigned resources failed. DB_SERVER_NAME = *database-server-name* INSTANCE_NAME = *instance-name* Cause = *cause*	*Cause* The database could not be connected using the current settings. Possible reasons are as follows. 1. In the definition file specified by the option, the database server name or the instance name set in the file is incorrect. 2. SQL Server is inactive. 3. The user does not have permissions to connect the database. *Action* Perform the applicable step shown below. Then re-execute the check tool. 1. Check the contents of the definition file. If the specified name is not the name of an existing database server or instance, set a name of an existing server or instance. 2. Check the operating status of SQL Server. If SQL Server is inactive, start it. 3. Check the access permission of the user who executes the check tool. The user must belong to the Administrators group for SQL Server (sysadmin) to execute the check tool.
KAVX0471-E	The instance does not contain the specified database. INSTANCE_NAME = *instance-name* TARGET_NAME = *database-name*	*Cause* A database name set in the definition file specified by the option is invalid. *Action* Make sure that the database name set in the definition file exists, and then re-execute the check tool.
KAVX0472-E	The specified database name is invalid. INSTANCE_NAME = *instance-name*	*Cause* A database name set in the definition file specified with the extended command option cannot be backed up to a drive.

Message ID	Message Text	Description
	TARGET_NAME = *database-name*	*Action* Check and, if necessary, revise the database name set in the definition file, and then re-execute the check tool.
KAVX0473-E	An attempt to get information about the instance assigned by *parameter-registration-command-name* has failed. Cause = *cause* INSTANCE_NAME = *instance-name* Initialization command = *parameter-registration-command-name*	*Cause* The parameter registration command (the `drmsqlinit` or `drmorainit` command) was unable to read the information set in the specified instance. *Action* Execute *parameter-registration-command* `-v` *target-instance-name* to check if the target instance information can be obtained. If the information cannot be obtained, execute *parameter-registration-command target-instance-name* to set the information again and re-execute the command.
KAVX0474-E	The directory specified in the file is invalid. Item = *item-name* Directory = *directory-name*	*Cause* This message is displayed when the directory name specified by an option in the definition file is invalid. *Action* Check the definition file contents: make sure that the directory name is correct and is the name of an existing directory. After correcting the settings, re-execute the check tool.
KAVX0475-E	The assigned value for the item exceeds the valid range. Item = *item-name* Value = *specified-value* Valid range = An integer between *minimum* to *maximum*	*Cause* The value specified by the option for an item in the definition file is outside the valid range. *Action* Check the contents of the definition file, specify a value within the range, and then re-execute the check tool.
KAVX0476-E	The assigned value conflicts with the value assigned by *parameter-registration-command-name*. AP_FILE_DIR = *metafile-directory-name-set-in-the-definition-file-for-extended-commands* VDI_METAFILE_DIR = *metafile-directory-name-set-by-the-*	*Cause* Possible causes are as follows: • Metafile directory information in the file specified in the definition file conflicts with the information set with the parameter registration command (`drmsqlinit`). • The case of the actual directory name does not match that of a

Message ID	Message Text	Description
	parameter-registration-command Initialization command = *parameter-registration-command-name*	directory name set in the definition file. *Action* Check for conflicts and differences in case between the actual directory name and the metafile directory name set in the definition file for extended commands. Then, correct the metafile directory information set in the definition file for extended commands, and re-execute the check tool.
KAVX0477-I	The *command-name* command will now start.	*Cause* This message is output when a command executed by an extended command starts. This message is only output when a standard command in the OS (such as `ftp.exe` and `fc.exe`) or a Replication Manager Application Agent internal command (such as the `drmidextract` command) starts. *Action* -
KAVX0478-I	The *command-name* command will now end. Code = *return-value-of-the-command*	*Cause* This message is output when the command executed by the extended command ended successfully. This message is only output when a standard command in the OS (such as `ftp.exe` and `fc.exe`) or a Replication Manager Application Agent internal command (such as the `drmidextract` command) starts. *Action* -
KAVX0479-E	The backup object is invalid. BACKUP_OBJECT = *backup-object-name* (specified in the definition file) Required value = *backup-object-name*	*Cause* The value of the `BACKUP_OBJECT` in the specified definition file is invalid. *Action* Check the `BACKUP_OBJECT` in the definition file, modify the value if necessary, and then re-execute the check tool.
KAVX0480-E	The same target name is specified more than once in the specified file. TARGET_NAME = *file-name-or-directory-name*	*Cause* The indicated file name or directory name is defined more than once in the definition file specified by the option (`TARGET_NAME`). *Action*

Message ID	Message Text	Description
		Check the contents of the definition file, make sure that the indicated file name or directory name is not duplicated, then re-execute the check tool.
KAVX0481-E	The HOST_ROLE specified in the definition file and in the command line parameter do not match. Command option = *host-role* (specified in the parameter) HOST_ROLE = *host-role* (specified in the definition file)	*Cause* The host role specified in the definition file and the host role specified in the parameter of the extended command are different. *Action* Check the host roles both in the definition file and in the parameter of the extended command. Match both host roles and then re-execute the check tool.
KAVX0482-E	An error that stopped processing occurred. Cause = *cause* File or directory = *subject-file-name-or-directory-name*	*Cause* A fatal error occurred, preventing further processing. *Action* For details on the error cause, see DRM-10000 - DRM-19999 on page 2-3.
KAVX0483-E	The command file is not in the stipulated folder. File = *absolute-path-of-the-executed-extended-command*	*Cause* Possible reasons are as follows. • The extended command file was not in the Replication Manager Application Agent installation directory. • A file required for executing the extended command could not be found. *Action* Make sure that the extended command is in the Replication Manager Application Agent installation directory. If the extended command is in the Replication Manager Application Agent installation directory, reinstall Replication Manager Application Agent. If the extended command is not in the Replication Manager Application Agent installation directory, move the extended command to the installation directory, and then re-execute the extended command.
KAVX0484-W	An attempt to obtain information from the message catalog file has failed. Cause = *cause*	*Cause* The system was unable to acquire message information from the

Message ID	Message Text	Description
	Message Catalog File = *message-catalog-file-name*	message catalog file. The message catalog file may be damaged. *Action* Re-install Replication Manager Application Agent.
KAVX0485-W	An attempt to obtain information from the definition file has failed. A default value was assigned. Definition file = *definition-file-name* Item = *item-name* Default value = *value*	*Cause* As the value of `MAX_LOG_LINES` specified in the host environment setup file was not appropriate, the processing was executed with the `MAX_LOG_LINES` value specified to 100,000. *Action* Correct the value of `MAX_LOG_LINES` specified in the host environment setup file and re-execute the check tool.
KAVX0486-E	An error occurred in the metafile. Cause = *cause* File = *metafile-name*	*Cause* The metafile on the SQL Server that was to be operated on by the extended command could not be copied. *Action* Check if a metafile output with the asterisk specification exists, and then take the following corrective action: • If you executed the `EX_DRM_SQLFILE_PACK` command: Execute either the `EX_DRM_SQL_BACKUP` command or the `EX_DRM_TAPE_RESTORE` command to create the metafile. • If you executed the `EX_DRM_SQLFILE_EXTRACT` command: Specify the `EX_DRM_FTP_PUT` command, `EX_DRM_FTP_GET` command, or the `EX_DRM_SQLFILE_PACK` command to transfer the metafile.
KAVX1000-I	Logged on to the SQL Server system.	*(For GUI)* *Cause* Logon to SQL Server was successful. *Action* No user action is required. *(For CLI)* *Cause* An attempt to log on to the SQL Server finished successfully.

Message ID	Message Text	Description
		Action -
KAVX1001-I	Logged off from the SQL Server system.	*(For GUI)* *Cause* Logoff from SQL Server was successful. *Action* No user action is required. *(For CLI)* *Cause* An attempt to log off from the SQL Server finished successfully. *Action* -
KAVX1002-E	The specified database does not exist in this instance of SQL Server. Database name = *database-name*	*(For GUI)* *Cause* The specified SQL database does not exist in SQL Server. *Action* Specify an SQL database that exists in SQL Server. *(For CLI)* *Cause* The specified database does not exist in this instance of SQL Server. *Action* Specify the database in the SQL Server.
KAVX1003-E	An attempt to connect to SQL Server has failed.	*(For GUI)* *Cause* Possible causes are as follows: 1. The specified SQL Server instance does not exist. 2. The specified SQL Server instance is not running. 3. Another user connected to SQL Server during a restore operation when SQL Server was running in single-user mode. *Action* Take the action below whose number corresponds to the number of the cause given above: 1. Specify a valid SQL Server instance.

Message ID	Message Text	Description
		2. Use an administrative tool in SQL Server to check whether the SQL Server instance is running. If the SQL Server instance is not running, start the SQL Server instance, and then try again. 3. If another user connected to SQL Server while the system database was being restored, take action so that other users cannot connect to the target SQL Server instance, and then re-execute the restore operation. If the user who manages Replication Manager Application Agent is not allowed to log in to SQL Server, add an SQL Server login and a System Administrator server role to the user. *(For CLI)* *Cause* Possible causes are as follows: • The specified instance of SQL Server does not exist. • The specified instance of SQL Server is not running. • During restoration, another user connected to SQL Server when SQL Server was started in the single-user mode. • If the cluster software is Veritas Cluster Server for Windows, the virtual server name registered by using the `drmclusinit` command is invalid. *Action* Specify a correct instance of SQL Server. If the specified instance is correct, confirm that the instance is running in administrative tool in SQL Server. If the instance is not running, start an instance and then re-execute this command. If you are restoring the system database and other users connect to the SQL Server during restoration, perform operations so that the other users do not connect to the target instance of SQL Server, and then re-execute restore operations. If the logon user who executed the command is not allowed to log on to SQL Server, grant the user permission

Message ID	Message Text	Description
		to log on to the SQL Server, and then give the user the system administrator server role. If the cluster software is Veritas Cluster Server for Windows, use the `drmclusinit` command to register the appropriate virtual server name.
KAVX1004-E	The specified Instance Name is invalid.	*(For GUI)* *Cause* Possible causes are as follows: 1. The specified SQL Server instance does not exist in SQL Server. 2. An environment for the specified SQL Server instance has not been set up, or no SQL Server instance has been set up. 3. SQL Server has not been installed on the applicable computer. *Action* Take the action below whose number corresponds to the number of the cause given above: 1. Specify the SQL Server instance registered in SQL Server. 2. In the Setup Application Agent window, open the **SQL Options** tab to set up the SQL Server instance. 3. Install SQL Server on the applicable computer, or delete Replication Manager Application Agent for SQL Component. *(For CLI)* *Cause* Possible causes are as follows: • The specified instance name does not exist on SQL Server. • The environment for the specified instance has not been configured. *Action* Depending on the cause, take appropriate action from the following: • Specify an instance name that exists on SQL Server, and then re-execute the command. • Configure the environment by using the `drmsqlinit` command, and then re-execute the command.

Message ID	Message Text	Description
KAVX1008-E	An error occurred during SQL Server processing. Processing = *processing* Code = *error-code-for-SQL-server* Cause = *error-message-for-SQL-server*	*(For GUI)* *Cause* An error occurred in SQL Server processing. *Action* See the SQL Server manual, eliminate the cause of the error, and then retry the operation. *(For CLI)* *Cause* An error occurred during SQL Server processing. *Action* Check the SQL Server documentation, remove the cause of the error, and then re-execute the command.
KAVX1013-E	This version of SQL Server is not supported. SQL Server version = *SQL-Server-version*	*(For GUI)* *Cause* An operation was performed on an unsupported version of SQL Server. *Action* Check the SQL Server version. *(For CLI)* *Cause* A command was executed on a version of SQL Server not supported by Replication Manager Application Agent. *Action* Check the version of SQL Server being used.
KAVX1014-E	The database to be processed does not exist.	*(For GUI)* *Cause* The SQL database specified for the processing target does not exist. *Action* Update the host information with the latest configuration, make sure that the SQL database exists, and then retry the operation. *(For CLI)* *Cause* The specified processing target database does not exist. Possible causes are as follows:

Message ID	Message Text	Description
		• If the `drmsqlbackup` or `drmsqllogbackup` command was executed: No user database existed. • If the `drmsqlrestore` command was executed: No database definition existed in the file specified by the `-f` option. • If the `drmsqlrecovertool` command was executed: No database subject to recovery existed. *Action* Take the following appropriate action: • If the `drmsqlbackup` or `drmsqllogbackup` command was executed: Make sure a user database exists, and then re-execute the command. • If the `drmsqlrestore` command was executed: Check the contents of the file specified by the `-f` option, and then re-execute the command. • If the `drmsqlrecovertool` command was executed: Recovery is unnecessary.
KAVX1015-E	The temporary database tempdb cannot be specified.	*Cause* This message is displayed if the user tries to specify the temporary database `tempdb` using the `-target`, `-f`, or `-transact_log_list` options. *Action* Do not specify `tempdb` as a database name.
KAVX1017-I	SQL Server information is being collected now.	*(For GUI)* *Cause* SQL Server information is being acquired. *Action* No user action is required. *(For CLI)* *Cause* SQL Server information is being collected now. *Action*

Message ID	Message Text	Description
		-
KAVX1018-E	An attempt to stop SQL Server failed.	*Cause* This message is output when an attempt to start SQL Server with the minimum settings fails. *Action* Collect the SQL Server error log and the Windows event log as required, and then check the status of the OS or the SQL Server. If you cannot detect any problems, contact your support center.
KAVX1019-E	A parameter has not been specified for the drmsqlinit command. Parameter name = *parameter-name*	*(For GUI)* *Cause* The specified SQL Server instance has not been set up. *Action* In the Setup Application Agent window, open the **SQL Options** tab to register the SQL Server instance. *(For CLI)* *Cause* Possible causes are as follows: • The `drmsqllogbackup` command was executed without setting up a storage directory for transaction log backup files. • One of the following commands was executed without setting up a storage directory for the undo file: - The `drmsqlrestore` command with the `-undo` option specified. - The `drmsqlrecover` command with the `-undo` option specified. *Action* Set the parameters, and then re-execute the command.
KAVX1020-E	An error occurred during automatic recovery at SQL Server startup. Cause = *cause*	*(For GUI)* *Cause* An error occurred during automatic recovery at SQL Server startup. *Action* Eliminate the cause of the error, and then click **Restore Replica** again. *(For CLI)* *Cause*

Message ID	Message Text	Description
		An error occurred during automatic restoration when starting the SQL Server. *Action* Remove the cause of the error, and then re-execute the `drmsqlrestore` command.
KAVX1100-I	Enter the name of the storage directory for VDI metafiles:	*Cause* The system is waiting for the user to enter the name of the storage directory for VDI metafiles. *Action* -
KAVX1101-I	Enter the timeout interval for VDI generation (in seconds, between 0 and 3600):	*Cause* The system is waiting for the user to enter the timeout interval for VDI generation. *Action* This value should be between 0 and 3600.
KAVX1102-I	Enter the name of the storage directory for undo files:	*Cause* The system is waiting for the user to enter the name of the storage directory for undo files. *Action* -
KAVX1103-I	SQL Server information has been updated.	*(For GUI)* *Cause* SQL Server information has been updated. *Action* No user action is required. *(For CLI)* *Cause* One or more parameters linked with SQL Server have been registered. *Action* -
KAVX1104-W	The specified storage directory for VDI metafiles cannot be found. Directory name = *directory-name*	*(For GUI)* *Cause* Possible causes are as follows: 1. The specified VDI meta file location is wrong.

Message ID	Message Text	Description
		2. The VDI meta file location is not specified by using its absolute path. *Action* Specify the correct VDI meta file location by using its absolute path, and then retry the operation. *(For CLI)* *Cause* Possible causes are as follows: • The name of the storage directory for VDI metafiles (the directory registered by the `drmsqlinit` command) contains an error. • The storage directory for VDI metafiles was not specified with an absolute path. *Action* Specify a correct name for the storage directory for VDI metafiles, and then re-execute the command.
KAVX1105-W	The value specified for the timeout interval for VDI generation is outside of the acceptable range (between 0 and 3600). Timeout interval for VDI generation = *VDI-timeout-second*	*Cause* The value of the timeout interval for VDI generation registered with the `drmsqlinit` command contains an error. *Action* Specify a correct value for the timeout interval for VDI generation, and then re-execute the command.
KAVX1106-W	The specified undo file directory cannot be found. Directory name = *directory-name*	*(For GUI)* *Cause* Possible causes are as follows: 1. The specified UNDO log file location is wrong. 2. The UNDO log file location is not specified by using its absolute path. *Action* Specify the correct UNDO log file location by using its absolute path, and then retry the operation. *(For CLI)* *Cause* Possible causes are as follows: • The name of the storage directory for undo files (the directory

Message ID	Message Text	Description
		registered with the `drmsqlinit` command) contains an error. • The storage directory for undo files is not specified with an absolute path. *Action* Specify a correct name for the storage directory for undo files, and then re-execute the command.
KAVX1107-I	Enter the name of the storage directory for backup-log files:	*Cause* The system is waiting for the user to enter the name of the storage directory for backup-log files. *Action* -
KAVX1108-W	The specified directory cannot be found. Directory name = *directory-name*	*(For GUI)* *Cause* Possible causes are as follows: 1. The specified directory does not exist. 2. The directory is not specified by using its absolute path. *Action* Specify the correct directory name by using an absolute path, and then retry the operation. *(For CLI)* *Cause* Possible causes are as follows: • The specified directory does not exist. • The directory was not specified with an absolute path. *Action* Re-execute the command with a correct directory name specified.
KAVX1110-E	The SQL Server of the specified instance does not exist. Service name = *service-name*	*Cause* The SQL Server service for the SQL Server instance specified in the **SQL Options** tab in the Setup Application Agent window does not exist. *Action* Make sure that the SQL Server instance exists on the system, and then in the Setup Application Agent window, open the **SQL Options** tab to

Message ID	Message Text	Description
		specify the correct SQL Server instance.
KAVX1111-E	The SQL Server of the specified instance is not starting. Service name = *service-name*	*Cause* The SQL Server service for the SQL Server instance specified in the **SQL Options** tab in the Setup Application Agent window is not running. *Action* Make sure that the SQL Server service is running properly.
KAVX1112-E	The specified instance does not exist in the current virtual server. Virtual server name of the instance = *virtual-server name-of-the-instance* Current virtual server name = *current-virtual-server-name*	*Cause* The SQL Server instance specified in the **SQL Options** tab in the Setup Application Agent window is not the one for the specified virtual server name. *Action* In the Setup Application Agent window, open the **SQL Options** tab, and then specify the name of the SQL Server instance that exists on the specified virtual server.
KAVX1113-I	SQL Server of the specified instance is now available. Host name = *virtual-server-name-or-physical-host-name* Instance name = *SQL-Server-instance-name*	*Cause* The instance specified when the `drmsqlinit` command was executed is now an instance available on the host. *Action* -
KAVX1202-E	The copy group specified for the VDI metafile storage directory cannot be the same copy group specified for a data file or transaction log file.	*Cause* A data file, transaction log file, or storage directory for VDI metafiles belong to the same copy group. You cannot allocate the storage directory for VDI metafiles to the copy group to which the data file and transition log file are allocated. *Action* Change the path of the storage directory for VDI metafiles by using the `drmsqlinit` command. To check the copy group, use the `drmsqldisplay` command.
KAVX1203-E	The specified database cannot perform a backup. Database name = *database-name* Cause = *cause*	*Cause* The specified database cannot perform backup processing. *Action*

Message ID	Message Text	Description
		Confirm that the database is able to perform backup processing, and then re-execute the command.
KAVX1204-E	An attempt to back up the specified database has failed because it is stored on a volume from which a directory is mounted. Database name = *database-name*	*Cause* The specified database is stored in a volume mounted to a directory. Backup processing cannot be performed if the database is stored in a volume mounted to a directory. All files should be stored in a volume assigned to a drive letter. *Action* Mount point directories are not supported.
KAVX1205-E	An attempt to back up the specified database has failed because no backup target file exists on the RAID storage device. Database name = *database-name*	*Cause* Not all files that make up the database are stored in the storage system. *Action* Backup processing cannot be performed for databases that include files not stored in a storage system. All files need to be stored in a storage system.
KAVX1207-I	Backing up the database...	*Cause* The database is being backed up. *Action* -
KAVX1209-E	The number of specified databases exceeds the maximum number of databases.	*Cause* The maximum number of databases that can be specified for one command for this product is 64. *Action* Specify a value up to 64 databases, and then re-execute the command.
KAVX1210-E	An attempt to obtain information about the metafile storage destination has failed.	*Cause* This message is output when the SQL Server service of the target instance is canceled during backup, and the storage directory for the primary data file is the same for the metafile and the database. *Action* Start the SQL Server service of the target instance, and then re-execute the command.
KAVX1211-E	The copy group contains a database object that is not subject to backup.	*Cause*

Message ID	Message Text	Description
	Database name = *database-name* Copy group name = *copy-group-name*	Backup could not be performed because there are files other than the target backup database in the same copy group. *Action* Specify all of the databases within the same copy group.
KAVX1212-E	A timeout error occurred. VDI timeout sec = *VDI-timeout-second* (s)	*Cause* This message is output when a VDI metafile cannot be created within the specified time. *Action* Specify a value greater than the VDI generation timeout time (seconds) of the `drmsqlinit` command, and then re-execute the command.
KAVX1213-W	The 'sync with backup' option is not set. Database name = *database-name*	*Cause* In a transaction replication environment, the `sync with backup` option is not set for the distribution database or the publication database. *Action* Check the `sync with backup` option settings.
KAVX1300-I	Restore processing will now start.	*Cause* Restore processing has started. *Action* -
KAVX1301-I	Restore processing has finished.	*Cause* Restore processing finished successfully. *Action* -
KAVX1302-I	Recovery processing will now start.	*(For GUI)* *Cause* The recovery operation has started. *Action* No user action is required. *(For CLI)* *Cause* Recovery processing has started. *Action* -
KAVX1303-I	Recovery processing has finished.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		The recovery operation finished successfully. *Action* No user action is required. *(For CLI)* *Cause* Recovery processing finished successfully. *Action* -
KAVX1304-E	The name of the target definition file for transaction logs specified by the -transact_log_list option is invalid.	*Cause* Possible causes are as follows: • The file does not exist. • You do not have read permission for the file. • The contents of the file are invalid. • The file was not specified with an absolute path. *Action* Make sure of the following, and then re-execute the command: • The name of the target definition file for transaction logs is specified correctly. • The contents of the target definition file for transaction logs are written correctly.
KAVX1305-E	The database specified by the target definition file for transaction logs does not exist in SQL Server. Database name = *database-name*	*Cause* The database specified in the target definition file for transaction logs does not exist in SQL Server. *Action* Make sure that the correct database is specified in the target definition file for transaction logs, and then re-execute the command.
KAVX1306-E	A transaction log file specified by the target definition file for transaction logs does not exist. File name = *transaction-log-file-name*	*Cause* Possible causes are as follows: • The transaction log file specified by the target definition file for transaction logs does not exist. • The transaction log file was not specified with an absolute path. *Action*

Message ID	Message Text	Description
		Confirm that the transaction log file is specified correctly, and then re-execute the command.
KAVX1307-E	The specified database information could not be acquired. Database name = *database-name*	*Cause* If this error occurred in the restore command: The specified backup ID or database backup information related to the instance did not exist. If this error occurred in the log backup command: A transaction log backup was executed for a database for which a full backup had not been executed, for a database whose backup information had been deleted when the resynchronization command was executed, or for a database whose name had been changed after a full backup. *Action* If this error occurred in the restore command: Specify the database where the backup information exists, and then re-execute the command. If this error occurred in the log backup command: Execute a full backup before backing up the transaction log.
KAVX1308-E	The name of the metafile is invalid. Metafile name = *metafile-name*	*Cause* Possible causes are as follows: • No such metafile exists. • You do not have read permission for the metafile. *Action* Make sure that the metafile exists and you have read permission for the metafile, and then re-execute the command. If this message reappears after re-executing the command, restore the immediately preceding backup database. For more information about how to restore backup data, see notes on transaction log application in the

Message ID	Message Text	Description
		manual *Replication Manager Application Agent CLI User Guide*.
KAVX1309-E	The database specified by the -transact_log_list option is not a recovery target. Database name = *database-name*	*Cause* The database specified by the –`transact_log_list` option exists in the target instance, but it has not yet been specified as a target. *Action* Either specify the database as a target, or remove it from the –`transact_log_list` option.
KAVX1310-I	The database has already been recovered. Processing will be skipped. Database name = *database-name*	*(For GUI)* *Cause* A recovery operation was performed when recovery was not necessary, or for an SQL database for which recovery was already performed. *Action* No user action is required. *(For CLI)* *Cause* This message is output when recovery is unnecessary or the database has already been recovered. *Action* If you want to re-execute recovery, execute both restore and recovery.
KAVX1311-E	An attempt to recover the SQL Server database failed. Database name = *database-name* Code = *error-code* Cause = *error-cause*	*(For GUI)* *Cause* The recovery operation for the SQL database failed. *Action* Eliminate the cause of the error, and then click **Restore Replica** again. *(For CLI)* *Cause* An attempt to recover the SQL Server database failed. *Action* Remove the cause of the error, and then re-execute the command.
KAVX1312-E	An attempt to recover the transaction log failed. Database name = *database-name*	*Cause* An attempt to recover the transaction log failed. *Action*

Message ID	Message Text	Description
	Backup file name = *backup-file-name* Code = *error-code* Cause = *error-cause*	Remove the cause of the error, and then re-execute the command.
KAVX1313-I	The cluster resource will now be taken offline.	*Cause* A cluster resource in the cluster environment will now be taken offline. *Action* -
KAVX1314-I	The cluster resource will now be put online.	*Cause* A cluster resource in the cluster environment will now be put online. *Action* -
KAVX1316-I	Performing restore pre-processing...	*Cause* Pre-processing for the restoration is being performed. *Action* -
KAVX1318-I	Performing restore post-processing...	*Cause* Post-processing for the restoration is being performed. *Action* -
KAVX1322-I	The SQL Server will now start.	*Cause* The SQL Server will now start because the database restoration finished successfully. *Action* -
KAVX1323-I	The SQL Server was successfully started.	*Cause* The SQL Server that was stopped due to database restoration has started successfully. *Action* -
KAVX1324-I	The SQL Server will now start in minimal configuration.	*Cause* The SQL Server will now start in a minimal configuration to restore the master database. *Action* -

Message ID	Message Text	Description
KAVX1326-I	SQL Server-dependant services will now start.	*Cause* The SQL Server-dependant services that have been stopped will start after the SQL Server startup. *Action* -
KAVX1327-I	SQL Server-dependant services were successfully started.	*Cause* SQL Server-dependant services, which were stopped, started successfully after the SQL Server startup. *Action* -
KAVX1328-I	The SQL Server will now stop.	*Cause* The SQL Server will stop restoration of a database. *Action* -
KAVX1329-I	The SQL Server has stopped.	*Cause* The SQL Server has stopped restoration of a database. *Action* -
KAVX1330-I	SQL Server-dependant services will now stop.	*Cause* The SQL Server-dependant services will stop after the SQL Server terminates. *Action* -
KAVX1331-I	SQL Server-dependant services have stopped.	*Cause* The SQL Server-dependant services stopped after the SQL Server terminated. *Action* -
KAVX1333-E	The list(s) of the transaction logs are not continuous.	*Cause* Possible causes are as follows: 1. The log continuity was lost when an attempt was made to display a list of transaction log backup files. 2. A transaction log backup was executed several times, and some transaction logs in the backup were used for roll-forward processing. (This occurs due to

Message ID	Message Text	Description
		the inconsistency between the LSN of SQL Server and the LSN managed by Replication Manager Application Agent.) *Action* Depending on the cause, take appropriate action from the following: 1. Even if you use a transaction log backup file whose log continuity was lost, a roll forward cannot be performed using the `drmsqlrecover` command. In the list of transaction-log backup files, use only continuous ones for roll-forward processing. 2. Use the `drmsqllogbackup` command's `-v` option to display the information, and then use the `drmsqllogbackup` command's `-d` option to delete the information contained in the lines beneath the transaction log backup that was used for recovery. Alternatively, re-execute the `drmsqlbackup` command, and then execute the `drmsqllogbackup` command to back up the transaction logs.
KAVX1334-E	The backup ID of the specified transaction log is invalid. Backup ID = *log-backup-ID*	*Cause* This message is output when the log backup ID specified in the `-s` or `-e` option of the `drmsqllogbackup` command is incorrect. You can specify a value from 0001 to 9999 as the log backup ID. *Action* Re-execute the command with a valid log backup ID specified.
KAVX1335-E	The backup information of transaction log could not be obtained.	*Cause* This message is output if the backup information for transaction-log backup files could not be obtained. *Action* Check the transaction-log backup files for the specified backup ID. If they do not have any problems, examine the system log and check whether there is any problem with the OS.
KAVX1336-E	The backup ID of the transaction log has reached the maximum limit of the program.	*Cause* This message is output if the `drmsqllogbackup` command attempted to generate a new log

Message ID	Message Text	Description
		backup ID when the last log backup ID has already reached the maximum, 9,999. The command cannot back up any more transaction logs by using the specified backup ID as the basis for starting start backup. *Action* To create a backup ID on a new basis, execute the `drmsqlbackup` command and then back up the transaction log.
KAVX1337-E	An attempt to update the backup information for the transaction log failed.	*Cause* This message is output if the backup information of transaction-log backup files could not be written. *Action* Examine the transaction-log backup files for the specified backup ID. If they do not have any problems, examine the system log and check whether there is any problem with the OS.
KAVX1338-I	The backup file(s) of the transaction log have been deleted.	*Cause* This message is output when the command successfully deleted transaction-log backup files. *Action* -
KAVX1339-E	The backup file(s) of the transaction log to be processed does not exist.	*Cause* This message is output when none of the transaction-log backup files matches the conditions specified in the option of the `drmsqllogbackup` command. *Action* Check the specified option. If the specified option is incorrect, change it, and then re-execute the command.
KAVX1340-E	The transaction log cannot be backed up because the backup catalog has only the information of the system database associated with the specified backup ID.	*Cause* This message appears when an attempt was made (using the `drmsqlbackup` command) to acquire the backup of the transaction log for the backup ID that backed up only the system database. *Action* The transaction log for the system database cannot be acquired. Take one of the following actions:

Message ID	Message Text	Description
		• Specify the backup ID that backed up the user database, and then execute the `drmsqllogbackup` command. • Back up the user database by executing the `drmsqlbackup` command, and then execute the `drmsqllogbackup` command.
KAVX1341-E	The transaction log of the target database cannot be backed up. Database name = *database-name* Cause = *detailed-message*	*Cause* This message is output when the specified database cannot be backed up. *Action* Examine the detailed message and the status of the database.
KAVX1342-W	The target database does not exist in SQL Server. Processing will be skipped. Database name = *database-name*	*Cause* This message is output if the specified database existed when the `drmsqlbackup` command was executed but did not exist when the transaction log was backed up by using the `drmsqllogbackup` command. *Action* Check whether the specified database exists.
KAVX1343-E	An attempt to delete the backup file of transaction log has failed. Backup file name = *transaction-log-backup-file-name*	*Cause* This message is output if the `drmsqllogbackup` command could not delete the transaction-log backup file. *Action* Examine the transaction-log backup files for the specified backup ID. If they do not have any problems, examine the system log and check whether there is any problem with the OS.
KAVX1344-E	An attempt to back up the transaction log failed. Database name = *database-name* Code = *error-code-for-SQL-server* Cause = *error-message-for-SQL-server*	*Cause* This message is output if the `drmsqllogbackup` command could not back up the transaction log. *Action* Examine the error code and error message, and take appropriate action.
KAVX1346-E	The transaction log cannot be used for backup because the file name of the database to be backed up contains an invalid character.	*Cause* This message is output when the transaction log of the database to be backup up contains one of the following characters:

Message ID	Message Text	Description
	Processing will be skipped. Database name = *database-name*	• "\", "/", ":", ";", "*", "?", "<", ">", "|", or ",". *Action* Do not use these characters in the names of databases required for backup by the transaction log.
KAVX1347-E	A timeout error occurred when starting SQL Server.	*Cause* This message is output when SQL Server does not start successfully, even after the period specified by the SVC_RETRY_TIME timeout value in the configuration file has elapsed. *Action* Check the system log to make sure that no problems exist with either SQL Server or the OS. If no problems are found, change the SVC_RETRY_TIME and SVC_RETRY_WAIT value in the init.conf file, and re-execute the command.
KAVX1348-E	A timeout error occurred when stopping SQL Server.	*Cause* This message is output when SQL Server does not stop within the period specified by the timeout value in the configuration file. *Action* Check the system log to make sure that no problems exist with either SQL Server or the OS. If no problems are found, change the SVC_RETRY_TIME and SVC_RETRY_WAIT values in the init.conf file, and then re-execute the command.
KAVX1349-E	The metafile already exists. File name = *file-name*	*Cause* This message is output when backup is performed using the drmsqlbackup command, and an attempt to create a metafile fails because a metafile with the same name already exists. *Action* If the existing metafile is unnecessary, delete it and then re-execute this command. If the existing metafile is necessary, change the storage location of the metafile by using the drmsqlinit command, and then re-execute this command.

Message ID	Message Text	Description
KAVX1350-E	The transaction log of the system database cannot be backed up.	*Cause* This message is output when the `drmsqllogbackup` command is executed and a system database is specified as the database whose transaction log is to be backed up. *Action* Transaction logs of system databases cannot be backed up.
KAVX1351-W	The database has not been backed up. Processing will be skipped. Database name = *database-name*	*Cause* This message is output if the target database is not backed up by the `drmsqlbackup` command when you execute the `drmsqllogbackup` command. *Action* No user action is required.
KAVX1353-E	You cannot specify the nochk_host option for restoration of a system database.	*Cause* This message is output when a system database is specified with the `-nochk_host` option of the `drmsqlrestore` command. *Action* Do not include a system database in the databases to be restored.
KAVX1354-I	The drmsqlrecover command is running.	*Cause* This message indicates that the `drmsqlrecovertool` command is currently executing the `drmsqlrecover` command. *Action* -
KAVX1355-I	There is a database for which recovery has not finished. Do you want to end anyway?	*Cause* This confirmation message is output if you click the **Exit** button when you are recovering the database by using the `drmsqlrecovertool` command. *Action* -
KAVX1356-W	This file already exists in the list.	*Cause* A file that the user attempted to add to a list with the `drmsqlrecovertool` command was already in the list. *Action*

Message ID	Message Text	Description
		Do not attempt to add the same log file twice, since it cannot be recovered twice.
KAVX1357-W	A network file cannot be added.	*Cause* A file that the user attempted to add to a list with the `drmsqlrecovertool` command was on the network. *Action* Place the file in the local path.
KAVX1358-E	The drmsqlrecover command has failed.	*Cause* An error occurred in the `drmsqlrecover` command that was started by the `drmsqlrecovertool` command. *Action* Examine `drm_output.log` and remove the cause of the unsuccessful `drmsqlrecover` command execution.
KAVX1359-E	The drmsqlrecover command could not be started.	*Cause* Possible causes are as follows: • A failure occurred when the `drmsqlrecovertool` command attempted to start the `drmsqlrecover` command. • The `drmsqlrecovertool` command failed to create a temp file when executing the `drmsqlrecover` command. *Action* Depending on the cause, take one or more of the following actions: • Confirm that the `drmsqlrecover` command exists. • Allocate resources sufficient to start the OS. • Configure access settings appropriately if you do not have the proper access or write permissions.
KAVX1360-E	An item could not be added to the transaction log backup list.	*Cause* The `drmsqlrecovertool` command failed when an item was being added to a list. Either the limit for the number of items in the list was exceeded, or there were insufficient OS resources. *Action*

Message ID	Message Text	Description
		Reduce the number of items or allocate resources, and then re-execute.
KAVX1361-E	The drmsqlrecovertool command is already running.	*Cause* The `drmsqlrecovertool` command is running. *Action* Stop the running `drmsqlrecovertool` command, and then re-execute it.
KAVX1362-I	The recovery model of the specified database is "simple", so it is not subject to the transaction log file backup. Database name = *database-name*	*Cause* The transaction backup was not acquired because the recovery model of the specified database is Simple. *Action* -
KAVX1363-I	The service will now begin. Service name = *service-name*	*Cause* This message is output when a service begins. *Action* -
KAVX1364-I	The service will now be stopped. Service name = *service-name*	*Cause* This message is output when a service stops. *Action* -
KAVX1365-E	The specified database cannot be recovered. Database name = *database-name* Cause = *error-cause*	*Cause* This message is output when the specified database cannot be recovered. *Action* Examine the detailed message and the status of the database.
KAVX1366-E	Detachment is not possible because the database is being used by another user. Database name = *database-name*	*Cause* Detachment was disabled because the database to be restored is being used by another user. *Action* Cancel access to the database to be recovered, and then re-execute the command.
KAVX1367-E	The specified database cannot be restored. Database name = *database-name* Cause = *cause*	*Cause* This message is output when the specified database cannot be recovered. *Action*

Message ID	Message Text	Description
		Examine the detailed message and the status of the database.
KAVX1368-E	The specified backup ID cannot be restored because the SQL Server version used at the backup source is different from that used at the restoration destination. Backup ID = *backup-ID* SQL Server version at the backup source = *SQL-Server-version-at-the-backup-source* SQL Server version at the restoration destination = *SQL-Server-version-at-the-backup-source*	*Cause* The specified backup ID cannot be restored because the version of SQL Server used at the backup source differs from the version of SQL Server used at the restoration destination. If the backup was performed with a version of Protection Manager earlier than 4.3, Unknown is displayed for the version of SQL Server. *Action* Make sure that the SQL Server versions used at the backup source and restoration destination are the same.
KAVX1369-E	The system database cannot be restored to an instance different from the one used at the time of backup.	*Cause* The `-instance` option cannot be specified for restorations that include system databases. *Action* For the databases to be restored, specify user databases only.
KAVX1370-E	An attempt to get the status of the database *database-name* has failed.	*Cause* An attempt to check the status of the database has failed. *Action* See the SQL Server documentation to remove the error cause, and then re-execute the command.
KAVX1371-I	Processing to freeze databases will now start.	*Cause* This message is displayed when processing to freeze a database starts. *Action* -
KAVX1372-I	Processing to thaw databases will now end.	*Cause* This message is displayed when processing to thaw a database finishes. *Action* -
KAVX1401-E	The attempt to acquire backup information for the database failed.	*Cause* This message is displayed when an attempt to read a log backup-start catalog has failed. *Action*

Message ID	Message Text	Description
		No user action is required.
KAVX1500-E	The specified storage group does not exist in Exchange Server. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The specified storage group does not exist in Exchange Server. *Action* Update the host information, make sure that the specified storage group exists, and then retry the operation. *(For CLI)* *Cause* The specified storage group does not exist in Exchange Server. *Action* Check that the specified storage group name is correct, and then re-execute the command.
KAVX1501-E	An error occurred during Exchange Server processing. Processing = *processing* Cause = *error-cause*	*(For GUI)* *Cause* An error has occurred in Exchange Server processing. *Action* See the Exchange Server manual, resolve the cause of the error, and then retry the operation. *(For CLI)* *Cause* An error occurred during Exchange Server processing. *Action* Refer to the Exchange Server documentation, remove the cause of the error, and then re-execute the command.
KAVX1502-E	An error occurred during Exchange Server processing. Processing = *processing* Code = *error-code*	*(For GUI)* *Cause* An error has occurred in Exchange Server processing. *Action* See the Exchange Server manual, resolve the cause of the error, and then retry the operation. *(For CLI)* *Cause* An error occurred during Exchange Server processing.

Message ID	Message Text	Description
		Action Refer to the Exchange Server documentation, remove the cause of the error, and then re-execute the command.
KAVX1503-E	An error occurred during Exchange Server processing. Processing = *processing* Code = *error-code* Cause = *error-cause*	*(For GUI)* *Cause* An error has occurred in Exchange Server processing. *Action* See the Exchange Server manual, resolve the cause of the error, and then retry the operation. *(For CLI)* *Cause* An error occurred during Exchange Server processing. *Action* Refer to the Exchange Server documentation, remove the cause of the error, and then re-execute the command.
KAVX1508-E	Multiple storage groups exist.	*(For GUI)* *Cause* Multiple storage groups exist in Exchange Server 2003 Standard Edition. *Action* Delete any unused storage groups. *(For CLI)* *Cause* Multiple storage groups exist in Exchange Server 2003 Standard Edition. *Action* Delete storage groups that will not be used.
KAVX1509-E	Exchange Server has not yet been installed on this system.	*(For GUI)* *Cause* A registry key set during Exchange Server installation cannot be found, or was not installed on the corresponding Exchange Server server. *Action* Install Exchange Server on the applicable computer, or delete

Message ID	Message Text	Description
		Replication Manager Application Agent for Exchange Component. *(For CLI)* *Cause* The registry key that was set when Exchange Server was installed was not found. Alternatively, Exchange Server has not been installed on this system. *Action* Install Exchange Server on this system.
KAVX1510-E	An attempt to mount the database failed. Storage group name = *storage-group-name* Information store name = *information-store-name*	*(For GUI)* *Cause* An attempt to mount the database has failed. *Action* Make sure that the IIS Admin Service, Microsoft Exchange System Attendant, and Microsoft Exchange Information Store are all running. *(For CLI)* *Cause* An attempt to mount the database failed, after either backup or restore processing. *Action* Make sure that the following services have stopped: • IIS Admin Service • System Attendant Service • Information Store Service Alternatively, there are insufficient transaction logs to perform a roll-forward recovery. In this case, the Exchange Server event log will output the numbers of the insufficient transaction logs. If the transaction log files were deleted by using the `drmexgbackup` command with the `-transact_log_del` option, a roll-forward recovery for backups obtained before that time cannot be performed.
KAVX1511-E	An attempt to dismount the database failed. Storage group name = *storage-group-name* Information store name = *information-store-name*	*(For GUI)* *Cause* An attempt to unmount the database has failed. *Action*

Message ID	Message Text	Description
		Make sure that the IIS Admin Service, Microsoft Exchange System Attendant, and Microsoft Exchange Information Store are all running. *(For CLI)* *Cause* An attempt to dismount the database failed. Neither backup nor restore processing could be performed. *Action* Make sure that the following services have stopped: • IIS Admin Service • System Attendant Service • Information Store Service
KAVX1512-E	The same storage group name is being used on two or more Exchange virtual servers which have the same cluster configuration node set as a priority node. Node name = *node-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* In a cluster configuration, when multiple Exchange virtual servers are set as a priority node for a single node, duplicate storage group names are used on these Exchange virtual servers. *Action* In a cluster configuration, when multiple Exchange virtual servers are set as a priority node for a single node, make sure that these Exchange virtual servers do not have duplicate storage group names. *(For CLI)* *Cause* If two or more Exchange virtual servers in the cluster configuration set the same node as a priority node, these servers will use the same storage group name. *Action* In this case, you will need to specify a separate storage group name for each Exchange virtual server.
KAVX1513-E	The status of the cluster group on the Exchange virtual server is not online. Cluster group name = *cluster-group-name*	*(For GUI)* *Cause* The cluster group for Exchange virtual server is not online. *Action*

Message ID	Message Text	Description
		Make sure that the cluster group for the Exchange virtual server is online, and then retry the operation. *(For CLI)* *Cause* The command could not be executed because the cluster group on Exchange Virtual Server is not in the online status. *Action* Make the Exchange virtual server status online, and then re-execute the command.
KAVX1514-E	An attempt to obtain the Exchange Server information failed.	*(For GUI)* *Cause* An attempt to obtain the Exchange Server information has failed. *Action* Make sure that the DNS server and domain controller for the domain on which Exchange Server is installed are running normally. If no problems can be found, see the Exchange Server manual, and make sure that the Exchange Server is running normally. *(For CLI)* *Cause* This message is output if an error occurs during acquisition of the Exchange Server configuration information. *Action* Check whether the DNS server and domain controller for the domain where Exchange Server is installed are normally operating. If they do not have any problems, refer to the documentation for Exchange Server to check whether Exchange Server is normally operating.
KAVX1515-E	The information of the cluster resource associated with the storage group does not exist. Storage group name = *storage-group-name*	*(For GUI)* *Cause* In a cluster configuration, the cluster resource information for the named storage group is not registered. *Action* Collect maintenance information, and then contact the Support Center. *(For CLI)*

Message ID	Message Text	Description
		Cause This message is output when a cluster system is created but the cluster resource information for the indicated storage group has not been registered. *Action* Re-execute the command after you use the `drmclusinit` command to register the cluster resource information.
KAVX1516-E	The virtual server name is not set for the environment variable DRM_HOSTNAME.	*(For GUI)* *Cause* The Replication Manager Application Agent environment is invalid. *Action* Select a virtual server (or cluster configuration) in the Add Application Agent dialog box, enter information for the Application Agent, and then retry the operation. *(For CLI)* *Cause* This message is output when the environment variable `DRM_HOSTNAME` is not set in the cluster environment. *Action* In the environment variable `DRM_HOSTNAME`, set the name of the Exchange virtual server to be processed, and then re-execute the command.
KAVX1517-E	The virtual host name is not a valid Exchange virtual server name. The virtual server name set by the environment variable DRM_HOSTNAME is not an effective Exchange virtual server name. Virtual server name = *virtual-server-name*	*(For GUI)* *Cause* The Replication Manager Application Agent environment is invalid. *Action* Use the window for adding Application Agent to confirm that the Application Agent is correctly configured, and then retry the operation. *(For CLI)* *Cause* This message is output when, in a cluster environment, the virtual server name specified in the environment variable `DRM_HOSTNAME` is not a valid Exchange virtual server name. *Action*

Message ID	Message Text	Description
		Enter the name of a virtual server that exists on the Exchange Server in the environment variable DRM_HOSTNAME, and execute the command again.
KAVX1518-I	The Information Store Service will now start.	*(For GUI)* *Cause* The Microsoft Exchange Information Store service has started. *Action* No action is required. *(For CLI)* *Cause* This message is output to notify you that the Information Store Service is starting. *Action* -
KAVX1519-I	The Information Store Service was started successfully.	*(For GUI)* *Cause* Start the Microsoft Exchange Information Store service. *Action* No action is required. *(For CLI)* *Cause* This message is output when the Information Store Service has started successfully. *Action* -
KAVX1520-E	The specified storage group is a recovery storage group. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The specified storage group is for recovery. *Action* Check the specified storage group, and then retry the operation. *(For CLI)* *Cause* A recovery storage group was specified for the storage group. *Action* Check the storage group name, and then re-execute the command.

Message ID	Message Text	Description
KAVX1521-E	The information store could not be dismounted. Information store name = *information-store-name*	*(For GUI)* *Cause* An attempt to unmount the information store has failed. *Action* Restart the Microsoft Exchange Information Store service, and then retry the operation. If the Microsoft Exchange Information Store service cannot be stopped, restart the system. *(For CLI)* *Cause* This message is output when an attempt to dismount an information store fails. *Action* Restart the information store service, and then re-execute the command. If you cannot stop the information store service, restart the system.
KAVX1522-E	An attempt to obtain the Active Directory information has failed.	*(For GUI)* *Cause* An error occurred during the acquisition of Active Directory information. *Action* Make sure that the DNS server and domain controller for the domain on which Exchange Server is installed are running normally. *(For CLI)* *Cause* This message is output if an error occurs when Active Directory information is being obtained. *Action* Make sure that the DNS server of the domain where the Exchange Server is installed and the domain controller are running normally.
KAVX1523-E	The Exchange Server name does not exist in Active Directory. Exchange Server name = *Exchange-Server-name*	*(For GUI)* *Cause* The Exchange server name does not exist in Active Directory. *Action*

Message ID	Message Text	Description
		Make sure that the DNS server and domain controller for the domain on which Exchange Server is installed are running normally. *(For CLI)* *Cause* This message is output when the Exchange Server name does not exist in Active Directory. *Action* Make sure that the DNS server of the domain where Exchange Server is installed and the domain controller are running normally.
KAVX1524-E	Connection with Active Directory was not possible.	*(For GUI)* *Cause* A connection cannot be established to Active Directory. *Action* Make sure that the user name and password for the logged-in user can be used to connect to the domain controller. Also, make sure that the domain controller, DNS service, and network are running normally. Collect the event logs as necessary for the server on which this program is running, domain controller, and DNS service, and check the OS status. *(For CLI)* *Cause* This message is output when an attempt to connect to Active Directory fails. *Action* Make sure you can connect to the domain controller with your current logon user name and password. Also, make sure that the domain controller, DNS service, and network are running normally. If required, collect event log information from the server that runs this program, the domain controller, and the DNS service, and then check the OS status.
KAVX1525-E	The status of the cluster resource on the Exchange virtual server is not "online". Cluster resource name = *cluster-resource-name*	*(For GUI)* *Cause* The cluster resource for the Exchange virtual server is not online. *Action*

Message ID	Message Text	Description
		Make sure that the cluster resource for the Exchange virtual server is online, and then retry the operation. *(For CLI)* *Cause* The command cannot be executed because the status of the cluster resource on the Exchange virtual server is not online. *Action* Bring the cluster resource on the Exchange virtual server online, and then re-execute the command.
KAVX1526-I	The Exchange environment configuration file has been read. Exchange environment configuration file = *Exchange-environment-configuration-file-name*	*(For GUI)* *Cause* The Exchange Server environment settings file could not be loaded. *Action* No action is required. *(For CLI)* *Cause* This message appears when an Exchange environment configuration file has been read. *Action* -
KAVX1527-E	The Exchange environment configuration file does not exist. Exchange environment configuration file = *Exchange-environment-configuration-file-name*	*(For GUI)* *Cause* The Exchange Server environment settings file does not exist. *Action* Specify the environment settings file for an existing Exchange Server. *(For CLI)* *Cause* The specified Exchange environment configuration file does not exist. *Action* Check the location where the Exchange environment configuration files have been registered, and then specify an existing Exchange environment configuration file. For details about the Exchange environment configuration file, see the *Replication Manager Application Agent CLI User Guide*.

Message ID	Message Text	Description
KAVX1528-E	An attempt to open the Exchange environment configuration file has failed. Exchange environment configuration file = *Exchange-environment-configuration-file-name*	*(For GUI)* *Cause* The Exchange Server environment settings file could not be opened. *Action* Make sure that access permissions for the file exist. *(For CLI)* *Cause* The specified Exchange environment configuration file cannot be opened. *Action* Check the access permissions for the Exchange environment configuration file, and then set the required access permissions. For details about the Exchange environment configuration file, see the *Replication Manager Application Agent CLI User Guide*.
KAVX1529-E	A parameter required in the Exchange environment configuration file has not been specified. Parameter name = *parameter-name*	*(For GUI)* *Cause* A required parameter is not specified in the Exchange Server environment settings file. *Action* Check the contents of the Exchange Server environment settings file. *(For CLI)* *Cause* A required parameter has not been set in the specified Exchange environment configuration file. *Action* Check the contents of the Exchange environment configuration file, and specify the required parameter. For details about the Exchange environment configuration file, see the *Replication Manager Application Agent CLI User Guide*.
KAVX1530-E	A parameter value in the Exchange environment configuration file is invalid. Parameter name = *parameter-name*	*(For GUI)* *Cause* The value of a parameter set in the Exchange Server environment settings file is invalid. *Action*

Message ID	Message Text	Description
	Parameter value = *parameter-value*	Check the contents of the Exchange Server environment settings file. *(For CLI)* *Cause* The value of a parameter in the specified Exchange environment configuration file is invalid. *Action* Check the contents of the Exchange environment configuration file, and set the correct parameter value. For details about the Exchange environment configuration file, see the *Replication Manager Application Agent CLI User Guide*.
KAVX1531-E	The specified information store does not exist in Exchange Server. Specify a valid information store name, and then re-execute the command. Information store name = *Information store name*	*(For GUI)* *Cause* The specified information store does not exist in Exchange Server. *Action* Update the host information, make sure that the specified information store exists in Exchange Server, and then retry the operation. *(For CLI)* *Cause* The specified information store does not exist in Exchange Server. *Action* Specify a valid information store name, and then re-execute the command.
KAVX1532-E	An attempt to mount the database failed. Make sure that the Information Store service has not stopped. Information store name = *Information store name*	*(For GUI)* *Cause* An attempt to mount the information store has failed, possibly because the Microsoft Exchange Information Store service stopped. *Action* Check whether the Microsoft Exchange Information Store service has started correctly. *(For CLI)* *Cause* An attempt to mount the information store has failed. *Action*

Message ID	Message Text	Description
		Check whether the information store service has stopped.
KAVX1533-E	An attempt to dismount the database failed. Make sure that the Information Store service has not stopped. Information store name = *Information store name*	*(For GUI)* *Cause* An attempt to dismount an information store has failed because the Microsoft Exchange Information Store service stopped. *Action* Check whether the Microsoft Exchange Information Store service has started correctly. *(For CLI)* *Cause* An attempt to unmount the information store has failed. *Action* Check whether the information store service has stopped.
KAVX1534-E	The specified information store is a recovery database. Specify an information store that is not a recovery database, and then re-execute the command. Information store name = *Information store name*	*(For GUI)* *Cause* The specified information store is a recovery database. *Action* Check the specified information store, and then retry the operation. *(For CLI)* *Cause* The specified information store is a recovery database. *Action* Specify an information store that is not a recovery database, and then re-execute the command.
KAVX1600-I	Backup processing will now start.	*Cause* Backup processing has started. *Action* -
KAVX1601-I	Backup processing has finished.	*Cause* Backup processing finished successfully. *Action* -

Message ID	Message Text	Description
KAVX1602-E	A transaction log file is being stored in the same copy group in which an information store is stored. Storage group name = *storage-group-name* Copy group name = *copy-group-name*	*(For GUI)* *Cause* The copy group in which the data files (`*.edb` and `*.stm` files) are being stored in an Exchange Server configuration also contains transaction log files. *Action* Separate the information store containing copy groups from log files containing copy groups. *(For CLI)* *Cause* The transaction log file is included in the copy group in which Exchange configuration data files (`*.edb` and `*.stm`) are stored. *Action* Separate the following: the copy group in which the information store is stored, and the copy group in which the log files are stored.
KAVX1603-E	An attempt to delete a transaction log file has failed. Storage group name = *storage-group-name* Transaction log file name = *transaction-log-file-name*	*(For GUI)* *Cause* An attempt to delete a transaction log file has failed. *Action* Make sure that the read-only attribute is not set for the transaction log file to be deleted, and that access permissions for the file exist, and delete the file manually. *(For CLI)* *Cause* An error occurred when an attempt was made to delete a transaction log file. *Action* If access privileges for the transaction log file to be deleted are read-only, cancel the read-only attribute, delete the file manually or specify the `-transact_log_del` option, and then perform backup processing again.
KAVX1604-E	A transaction log file could not be deleted. Storage group name = *storage-group-name*	*(For GUI)* *Cause* An attempt to delete a transaction log file has failed.

Message ID	Message Text	Description
		Action Make sure that the read-only attribute is not set for the transaction log file to be deleted, that access permissions for the file exist, and then delete the file manually. *(For CLI)* *Cause* An error occurred during deletion processing of a transaction log file, and the transaction log file of the corresponding storage group could not be deleted. *Action* Specify the `-transact_log_del` option and perform backup processing again.
KAVX1605-E	The cluster resource of Exchange depends on the physical disk resources to be backed up. Exchange virtual server name = *virtual-server-name*	*(For GUI)* *Cause* The Exchange Server cluster resource is dependent on the physical drive for which the replica is to be created. *Action* Change Microsoft Exchange System Attendant or Microsoft Information Store on the cluster resource so that it does not depend on the drive subject to replica creation, and then retry the operation. *(For CLI)* *Cause* The `-transact_log_del` option was specified for the `drmexgbackup` command, but the Microsoft Exchange System Attendant or Microsoft Information Store cluster resource is dependent on a physical disk resource on which an information store object to be backed up is stored. *Action* Re-execute the `drmexgbackup` command with both the `-transact_log_del` option and the `-c online` option. Or, set up the Microsoft Exchange System Attendant or Microsoft Information Store cluster resource so that it is not dependent on a physical disk resource on which an information store to be backed up in stored.

Message ID	Message Text	Description
KAVX1606-E	A transaction log file/ checkpoint file is being stored in a copy group where an information store is stored. Storage group name = *storage-group-name* Copy group name = *copy-group-name*	*(For GUI)* *Cause* A transaction log file or check point file is stored in a storage group for which a replica is to be created. *Action* Store the transaction log file or check point file in a copy group other than that for database files, and then execute the command again. *(For CLI)* *Cause* This message appears when a transaction log file or a checkpoint file is stored in the data file of the storage group for backup. *Action* Store the transaction log file or checkpoint file in a different copy group to the database file, and then re-execute the command.
KAVX1608-E	Information stores that have not been mounted exist. For a storage group to be backed up using VSS, all information stores must be mounted.	*(For GUI)* *Cause* An unmounted information store exists. *Action* Mount all information stores within the storage group for which the replica is to be created, and then perform the backup again. *(For CLI)* *Cause* This message is output during VSS backup if processing is canceled from an Exchange Information Store service that is not running, or when an information store that has not been mounted exists. *Action* Mount all the information stores contained in the storage group backup targets, and then perform backup processing.
KAVX1609-E	The system stops processing if information from Active Directory and VSS do not match.	*(For GUI)* *Cause* The VSS information and Active Directory information are different. *Action*

Message ID	Message Text	Description
		Do not change the Exchange Server configuration or mount or unmount an information store while a replica is being created. If the storage group name or the information store name is changed while a mount operation is being processed, unmount all the information stores under the applicable storage group, and then retry the mount operation. *(For CLI)* *Cause* This message is output when differences between the information obtained from VSS and Active Directory cause processing to stop. Possible causes are as follows: • The Exchange Server configuration was changed while the backup command was being executed. • The information store was mounted or unmounted while the backup command was being executed. • The name of the storage group that was being mounted or the information store name was changed. *Action* Do not perform the above operations while the backup command is being executed. If the name of the storage group that is being mounted or the information store name were changed, dismount all the information stores in the target storage group, and then perform re-mount operations.
KAVX1610-I	Verification of the database on the backup server will now be performed. Storage group name = *storage-group-name* File size = *file-size* MB	*(For GUI)* *Cause* Database verification processing will now start on the backup server. *Action* No action is required. *(For CLI)* *Cause* Database verification for the backup results will now start.

Message ID	Message Text	Description
		Action -
KAVX1611-I	Verification has finished successfully.	*Cause* Database verification for the backup results has completed. *Action* -
KAVX1612-E	Necessary files for ESEUTIL were missing on the backup server.	*(For GUI)* *Cause* A required file could not be found on the backup server. *Action* Collect maintenance information, and then contact the Support Center. *(For CLI)* *Cause* The `ESEUTIL` command has not been installed on the backup server. *Action* In the *Replication Manager Application Agent CLI User Guide*, see the explanation on how to specify settings when using VSS, and install the `ESEUTIL` command.
KAVX1613-W	Verification detected a database error on the backup server. A retry will be performed with a VSS backup.	*(For GUI)* *Cause* A database problem was detected during verification processing on the backup server. *Action* No action is required. *(For CLI)* *Cause* An abnormality was detected during verification of the Exchange database from the backup results. A retry will be performed from VSS backup processing. *Action* No action is required.
KAVX1614-E	Verification detected a database error on the backup server. Processing will now stop.	*(For GUI)* *Cause* A problem was detected as a result of verifying the Exchange database for the created replica.

Message ID	Message Text	Description
		Action Make sure that the version of Exchange Server installed on the database server matches the version of the Exchange management tool and its service pack, as installed on the backup server. If these are correct, collect maintenance information, and then contact the Support Center. *(For CLI)* *Cause* An abnormality was detected during verification of the Exchange database from the backup results. Processing will stop, because the retry count has been exceeded. *Action* Check whether the version of Exchange Server (including the version of the service pack) installed on the database server is the same as the version of Exchange Management Console (including the version of the service pack) installed on the backup server. If Exchange Server 2003 is being used, check whether the version of the `ESEUTIL` command is the same on both the database server and the backup server. If the version is correct, collect maintenance information, and then contact the Support Center.
KAVX1615-W	The VSS backup processing will be retried. Retry frequency = *retry-frequency* Present retry frequency = *present-retry-frequency* Standby time = *standby-time*	*(For GUI)* *Cause* The processing to create a VSS replica will now be reattempted. *Action* No action is required. *(For CLI)* *Cause* Processing to back up VSS will now be retried. *Action* No action is required.
KAVX1617-E	According to the event log, the Exchange database status is not correct.	*(For GUI)* *Cause* A log indicating that an Exchange database is invalid was output to the event logs.

Message ID	Message Text	Description
	Time event log was generated = *event-log-generated-date-and-time*	*Action* See Microsoft's technical information, fix the status, and then perform backup again. *(For CLI)* *Cause* The application event log indicates that the Exchange database is incorrect. The occurrence date and time of the event log is output in the format `YYYY/MM/DD hh:mm:ss`. *Action* See the Microsoft Knowledge Base to fix the status, and then perform backup again.
KAVX1618-E	A file necessary for verification on the backup server could not be found.	*(For GUI)* *Cause* The Exchange management tool required for verification processing is not installed on the backup server. *Action* Install the Exchange management tool on the backup server. *(For CLI)* *Cause* Exchange Management Console, which is required for verification, is not installed on the backup server. *Action* Install Exchange Management Console.
KAVX1619-E	Microsoft Exchange Replication Service has not started. Check the status of the service.	*(For GUI)* *Cause* The Microsoft Exchange Replication service has not started. *Action* Start the Microsoft Exchange Replication service. *(For CLI)* *Cause* The cause is as follows: [Exchange Server 2007] An attempt was made to acquire a VSS backup in a CCR or SCR environment, but Microsoft Exchange Replication service was not running. [Exchange Server 2010/2013/2016]

Message ID	Message Text	Description
		An attempt was made to acquire a VSS backup in a DAG environment, but Microsoft Exchange Replication service was not running. *Action* Start the Microsoft Exchange Replication service.
KAVX1620-E	The replication function of Exchange Server is not operating normally. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The CCR replication function is not running normally. *Action* Make sure that the CCR replication function is running normally, as shown in the Exchange Server manual. *(For CLI)* *Cause* The CCR replication function is not working normally. *Action* For details on how to configure CCR to perform the replication function normally, see the Exchange Server documentation.
KAVX1621-E	The replication function of Exchange Server is not operating normally. Target = *target-name* Storage group name = *storage-group*	*(For GUI)* *Cause* The SCR replication function is not running normally. *Action* Make sure that the SCR replication function is running normally, as shown in the Exchange Server manual. *(For CLI)* *Cause* The SCR replication function is not working normally. *Action* For details on how to configure SCR to perform the replication function normally, see the Exchange Server documentation.
KAVX1622-E	The backup cannot be performed because the backup target is a storage group for which circular logging is set. Storage group name = *storage-group-name*	*(For GUI)* *Cause* A replica could not be created, because the storage group for which circular logs are set is the replica creation target.

Message ID	Message Text	Description
		Action Do not set the circular logs in the storage group for which the replica is to be created. *(For CLI)* *Cause* The backup cannot be performed because the backup target is a storage group for which circular logging has been set. *Action* Do not set circular logging for a storage group that you want to back up.
KAVX1623-E	A transaction log file or checkpoint file is being stored in a copy group where a database file is stored. Store the transaction log file or checkpoint file in a copy group where a database file is not stored, and then re-execute the command. Information store name = *information-store-name* Copy group name = *copy-group-name*	*(For GUI)* *Cause* A transaction log file or a checkpoint file is contained in the copy group that manages the database files of the information store that is to be replicated. *Action* Store the transaction log file or checkpoint file in a copy group that does not contain database files, and then retry the operation. *(For CLI)* *Cause* Transaction log files or checkpoint files are stored together with the data files for an information store to be backed up. *Action* Store the transaction log files or checkpoint files in a different copy group from the database files, and then re-execute the command.
KAVX1624-E	One or more information stores have not been mounted. An information store to be backed up using VSS must be mounted. Information store name = *information-store-name*	*(For GUI)* *Cause* A replica for the information store was not created due to either of the following causes: • The Exchange Information Store service has not started. • The information stores that are to be replicated have not been mounted. *Action*

Message ID	Message Text	Description
		Make sure that all of the information stores to be replicated have been mounted, and then retry replica creation. *(For CLI)* *Cause* The cause of this problem is either of the following: • An attempt was made to use VSS to acquire a backup, but the Exchange Information Store service was not running. • An attempt was made to use VSS to acquire a backup, but one or more information stores were not mounted. *Action* Mount the information stores to be backed up, and then retry the backup operation.
KAVX1625-I	The database on the backup server will now be verified. Information store name = *information-store-name* File size= *file-size* MB	*Cause* The database will now be verified. *Action* -
KAVX1626-E	The replication function of Exchange Server is not operating normally. Configure DAG so that the replication function operates normally. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*(For GUI)* *Cause* The information store replication function on the indicated Exchange server is not operating correctly. *Action* Specify the settings so that the DAG replication function can operate correctly as described in the Exchange Server documentation. *(For CLI)* *Cause* The replication function is not running properly for an information store on the Exchange Server in the message. *Action* Use the Exchange Server manual to properly configure the DAG replication function.
KAVX1627-E	The target information store cannot be backed up because it is an information store for which circular logging is set. Do not set circular logging for an	*(For GUI)* *Cause*

Message ID	Message Text	Description
	information store that you want to back up. Information store name = *information-store-name*	A target information store cannot be backed up because circular logging is set for that information store. *Action* Do not set circular logging for information stores to be replicated. *(For CLI)* *Cause* The information store cannot be backed up because circular logs are enabled. *Action* Do not enable circular logs for information stores that will be backed up.
KAVX1628-E	A service required by the executed command is not running. Check the status of the service. Service name = *service-name*	*Cause* A service required by the executed command is not running. *Action* Start the service indicated in the message.
KAVX1629-E	COM registration of a library necessary for using Exchange Management Shell failed.	*Cause* .NET Framework, which is required by Exchange Server, might not be installed correctly. *Action* Verify that .NET Framework, which is required by Exchange Server, is installed correctly, and then retry the command.
KAVX1700-I	Restore processing will now start.	*(For GUI)* *Cause* The restoration has started. *Action* No action is required. *(For CLI)* *Cause* Restore processing will now start. *Action* -
KAVX1701-I	Restore processing has finished.	*(For GUI)* *Cause* The restoration has completed. *Action* No action is required.

Message ID	Message Text	Description
		(For CLI) *Cause* Restore processing finished successfully. *Action* -
KAVX1702-E	When the circulation log is to be used, do not set the -recovery option when restoring. Storage group name = *storage-group-name*	*(For GUI)* *Cause* Circular logs cannot be used for backup in the VSS mode. Storage groups backed up with circular logs set cannot be restored. *Action* Perform settings so that circular logs are no longer used, and then perform backup again. *(For CLI)* *Cause* If a storage group that was backed up in the cold mode or the offline mode has been restored: When using the circulation log, do not specify the `-recovery` option if restore processing is to be performed. You cannot restore by roll-forward if the circulation log is being used. If a storage group that was backed up in the VSS mode has been restored: The circulation log cannot be used in the VSS backup mode. Restoration processing cannot be performed for a storage group that has been backed up using the circulation log. *Action* If a storage group that was backed up in the cold mode or the offline mode has been restored: Re-execute the command without specifying the `-recovery` option. If a storage group that was backed up in the VSS mode has been restored: Change the settings so as not to use the circulation log for the storage group, and then re-execute VSS backup.

Message ID	Message Text	Description
KAVX1703-E	Inconsistencies exist in the sequence of the transaction log files. Storage group name = *storage-group-name*	*(For GUI)* *Cause* A transaction log file contains a skipped generation and a non-matching signature. *Action* Collect maintenance information, and then contact the Support Center. *(For CLI)* *Cause* Possible causes are as follows: • In the .edb file and .stm files, the LogSignature of the file with the smallest generation number in the final integrated log is not consistent with the signature of the transaction log file corresponding to the generation number. • There is a discontinuity or inconsistency in the signatures in the generated transaction log file. *Action* In this case, contact your support center.
KAVX1705-I	Creating temporary files...	*(For GUI)* *Cause* A temporary file is being created. *Action* No action is required. *(For CLI)* *Cause* A temporary file is being created for one of the following types of files in the storage group to be restored: • Data files (`*.edb` or `*.stm`) • Transaction log files (`*.log`) *Action* -
KAVX1706-E	An attempt to create a temporary restore file has failed.	*(For GUI)* *Cause* An attempt to create a temporary file for the restoration target has failed. *Action*

Message ID	Message Text	Description
		Select **Point-in-Time** in the restoration replica wizard, and then perform a restoration. *(For CLI)* *Cause* An attempt is being made to create a temporary file for one of the following types of files in the storage group to be restored: • Data files (`*.edb` or `*.stm`) • Transaction log files (`*.log`) *Action* Re-execute the command without specifying the `-recovery` option.
KAVX1707-W	An attempt to delete a temporary file has failed. Temporary file = *temporary-file*	*(For GUI)* *Cause* An attempt to delete a temporary file has failed. *Action* Make sure that the read-only attribute is not set for the temporary file to be deleted, that access permissions for the file exist, and then delete the file manually. *(For CLI)* *Cause* An attempt to delete a temporary file has failed. The file is read-only. *Action* Access privileges for the temporary file are read-only. Check the `file` attributes, cancel the read-only attribute, and then delete the file manually.
KAVX1709-E	The copy group contains objects that have not been backed up. Storage group name = *storage-group-name* Copy group name = *copy-group-name*	*(For GUI)* *Cause* The backup cannot be performed, because the copy group also contains files other than those for the storage group to be backed up. *Action* Specify all storage groups in the same copy group. *(For CLI)* *Cause*

Message ID	Message Text	Description
		A backup could not be performed because both files related to and files unrelated to the storage group to be backed up exist in the same copy group. *Action* Specify all of the storage groups within the same copy group.
KAVX1711-E	The backup information for the specified storage group cannot be obtained. Storage group name = *storage-group-name*	*(For GUI)* *Cause* Replica information could not be obtained for the specified storage group. *Action* Update host information, and then retry the operation. *(For CLI)* *Cause* This message is output if the specified storage group does not exist in the backup data with the specified backup ID when the `drmexgrestore` command is executed with the backup ID and storage group. *Action* Re-execute the command with a correct backup ID and storage group name specified.
KAVX1712-E	The -recovery option has not been specified for the specified backup ID.	*(For GUI)* *Cause* A restoration was performed with **Point-in-Time** selected, for a replica for which **Roll-forward-Time** needs to be selected. *Action* Select **Roll-forward-Time** in the restoration replica wizard, and then perform a restoration. *(For CLI)* *Cause* The backup data that needs the roll-forward recovery has been performed without using the `-recovery` option. *Action* Execute the `drmexgrestore` command together with the `-recovery` option.

Message ID	Message Text	Description
KAVX1713-E	The Storage group was not recovery because the specified transaction log does not exist. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The recovery cannot be performed, because transaction logs do not exist for the specified storage group. *Action* Check the Exchange configuration, and then re-create the replica. Select **Point-in-Time** in the restoration replica wizard, and then perform a restoration. *(For CLI)* *Cause* This message is output when the transaction log file for the storage group to be recovered does not exist. *Action* Check the Exchange configuration and restart from backup, or restore without specifying the `-recovery` option.
KAVX1714-E	Information stores that have not been mounted exist. For a storage group to be restored using VSS, all information stores must be mounted.	*(For GUI)* *Cause* During a VSS restoration, the Microsoft Exchange Information Store service was not running or an unmounted information store existed. *Action* Make sure that all information stores to be restored are mounted, and then perform a restoration again. *(For CLI)* *Cause* This message is output during VSS restoration if processing is canceled when an Exchange Information Store service is not running, or when an information store that has not been mounted exists. *Action* Mount all of the Information Stores contained in the storage group restore targets, and then perform the restore processing. If you cannot mount the Information Stores, see the notes on restoring Exchange databases in the manual *Replication Manager Application Agent CLI User Guide*, and then mount the Information Stores.

Message ID	Message Text	Description
KAVX1715-E	The physical disk resources to be restored could not be deleted from dependence with the Exchange System Attendant cluster resource. Physical disk resource = *physical-disk-resources-to-be-restored*	*(For GUI)* *Cause* A physical disk resource to be restored cannot be deleted from a dependency with an Exchange System Attendant cluster resource while an offline restoration for an Exchange database is being performed. *Action* Start the cluster administrator, and add all physical disk resources to be restored as physical disk resources dependent on the Exchange System Attendant cluster resource. *(For CLI)* *Cause* While a restoration was being performed for an Exchange database, the physical disk resource to be restored could not be deleted from a dependency relation with the Exchange System Attendant cluster resource. *Action* Start Cluster Administrator and then add all the physical disk resources to be restored as physical disk resources having a dependency relation with the Exchange System Attendant cluster resource.
KAVX1716-E	The physical disk resources to be restored could not be added to dependence with the Exchange System Attendant cluster resource. Physical disk resource = *physical-disk-resources-to-be-restored*	*(For GUI)* *Cause* A physical disk resource to be restored could not be added to a dependency with an Exchange System Attendant cluster resource while an offline restoration for an Exchange database was being performed *Action* Start the cluster administrator, and add all physical disk resources to be restored as physical disk resources dependent on the Exchange System Attendant cluster resource. *(For CLI)* *Cause* While offline restoration was being performed for an Exchange database, the physical disk resource to be restored could not be added to a dependency relation with the Exchange System Attendant cluster resource.

Message ID	Message Text	Description
		Action Start Cluster Administrator and then add all the physical disk resources to be restored as physical disk resources having a dependency relation with the Exchange System Attendant cluster resource.
KAVX1717-W	The command will be ended with the dependence of the physical disk resources to be restored deleted. Please set the dependence with the Exchange System Attendant cluster resource again.	*(For GUI)* *Cause* Due to an error, a dependency was deleted and processing will end without continuing. *Action* Re-set the dependency between the physical disk resource to be restored and the Exchange System Attendant resource. *(For CLI)* *Cause* The command ended with the dependency relation of the physical disk resources being deleted, because an error occurred. *Action* Reset the dependency relation of the physical disk resources to be restored and with the Exchange System Attendant resource.
KAVX1718-W	The command will end but a setting for the physical disk resources to be restored has changed. Please undo the setting.	*(For GUI)* *Cause* Due to an error, a command ended while the physical disk resource was in one of the states below. When a message indicating that the disk resource is set in extended maintenance mode is output at the same time: Extended maintenance mode is enabled for the disk resource. When no message is output at the same time: The settings for the `Looks Alive` polling interval and `Is Alive` polling interval for the disk resource have changed. *Action* When a message indicating that the disk resource is set in extended

Message ID	Message Text	Description
		maintenance mode is output at the same time: Disable extended maintenance mode for any physical disk resources to be restored, for which a message indicating that extended maintenance mode was cleared for the disk resource was not output. When no message is output at the same time: Revert the `Looks Alive` polling interval and `Is Alive` polling interval for the physical disk resource to be restored. *(For CLI)* *Cause* The command ended but a setting for the physical disk resources to be restored changed because an error occurred during execution of the command. *Action* Depending on whether the KAVX5135-I error message was output, take appropriate action from the following: • If the KAVX5135-I error message was output: The extended maintenance mode has not been released for the disk resources. Release the extended maintenance mode for the physical disk resources to be restored, for which the KAVX5136-I error message corresponding to the KAVX5135-I error message has not been output. • If the KAVX5135-I error message was not output: The settings of the `Looks Alive` polling interval and the `Is Alive` polling interval of the disk resources has been changed. Restore the original values for the `Looks Alive` polling interval and the `Is Alive` polling interval of the physical disk resources. If you are not sure about the original values, search the detailed trace log for the following line: `If it has failed this processing, please execute`

Message ID	Message Text	Description
		`the following command for recovery the properties of the cluster resource` Executing the command following this line enables you to restore the `Looks Alive` polling interval and the `Is Alive` polling interval of the physical disk resources to their original values.
KAVX1719-E	It failed in rename of the log file. File name before it changes = *file-name-before-it-changes* File name after it changes = *file-name-after-it-changes*	*(For GUI)* *Cause* This might be due to one of the following: • No files exist with the specified original name. • A file already exists with the specified new file name. • The modify permission is not enabled for the file. *Action* Before executing the command, make sure that the file to be renamed exists, and that a file with the new file name does not exist. Also, make sure that the modify permission is enabled for the file. *(For CLI)* *Cause* Possible causes are as follows: • A file with the name from before the change does not exist. • A file already exists. • You do not have permission to change the file. *Action* Before executing this command, make sure of the following: • A file with the name from before the change exists. • A file with the name after the change does not already exist. • You have permission to change the file.
KAVX1720-E	Restoration cannot be performed in units of information stores because the specified backup ID is not VSS backup data.	*(For GUI)* *Cause* The specified replica was not obtained by using VSS. *Action*

Message ID	Message Text	Description
		In order to restore information stores, be sure to use VSS to create the replicas. *(For CLI)* *Cause* The data corresponding to the specified backup ID was not obtained using VSS. *Action* To perform restoration in units of information stores, specify a backup ID for VSS backup data.
KAVX1721-E	Backup information for the specified information store could not be acquired. Storage group name = *storage-group-name* Information store name = *information-store-name*	*(For GUI)* *Cause* Replica information could not be obtained for the specified information store. *Action* Update host information, and then retry the operation. *(For CLI)* *Cause* The information store name specified for the specified backup ID does not exist. *Action* Specify the correct backup ID and information store name, and then re-execute the command.
KAVX1722-E	Restoration cannot be performed in units of information stores because the recovery option has not been specified.	*(For GUI)* *Cause* The restoration cannot be performed per information store, because **Roll-forward-Time** was not selected. *Action* Select **Roll-forward-Time** in the restoration replica wizard, and then perform a restoration. *(For CLI)* *Cause* Restoration could not be performed in units of information stores because the `-recovery` option is not specified. *Action* To restore in units of information stores, specify the `-recovery` option.

Message ID	Message Text	Description
KAVX1723-E	When using the same storage group name, restoration cannot be performed by simultaneously specifying both storage groups and information stores as the restoration units. Storage group name = *storage-group-name*	*(For GUI)* *Cause* Restoration cannot be performed with the same storage group name, when specified to be performed per storage group and per information store. *Action* Specify restoration to be performed either per storage group or per information store, and then perform restoration again. *(For CLI)* *Cause* Restoration cannot be performed when the storage groups and information stores are specified at the same time, for the same storage name. *Action* Specify either restoration by storage group or restoration by information store, and then re-execute the command.
KAVX1724-E	When the data for multiple storage groups is on the same copy group, restoration cannot be performed in units of information stores. Storage group name = *storage-group-name*	*(For GUI)* *Cause* Information stores cannot be restored in configurations in which the data of multiple storage groups is stored on the same drive. *Action* Restore storage groups. *(For CLI)* *Cause* One or more information stores cannot be restored because the data for multiple storage groups is contained in the same copy group. *Action* Individually restore the information stores.
KAVX1725-E	Backup results of an Exchange Server version that does not support restoration were specified.	*(For GUI)* *Cause* A replica of an Exchange Server version that does not support restorations was specified. *Action* Collect maintenance information, and then contact the Support Center.

Message ID	Message Text	Description
		(For CLI) *Cause* - *Action* Check the version of Exchange Server from the backup result.
KAVX1726-E	The physical disk resources to be restored could not be removed from dependency on the Exchange Information Store cluster resource. Physical disk resource = *physical-disk-resources-to-be-restored*	*(For GUI)* *Cause* A physical disk resource to be restored has a dependency with a Microsoft Exchange Information Store cluster resource that cannot be deleted while an Exchange database is being restored offline. *Action* Start the cluster administrator, and add all physical disk resources to be restored as physical disk resources that are dependent on the Microsoft Exchange Information Store cluster resource. *(For CLI)* *Cause* The physical disk resources to be restored could not be deleted from items dependent on the Exchange Information Store cluster resource while executing offline restore processing of the Exchange database. *Action* Start Cluster Administrator, and then add all the physical disk resources to be restored as physical disk resources having a dependency on the Exchange Information Store cluster resource.
KAVX1727-E	The physical disk resources to be restored could not be made dependent on the Exchange Information Store cluster resource. Physical disk resource = *physical-disk-resources-to-be-restored*	*(For GUI)* *Cause* A physical disk resource to be restored cannot be added as having a dependency with a Microsoft Exchange Information Store cluster resource while an Exchange database is being restored offline. *Action* Start the cluster administrator, and add all physical disk resources to be restored as physical disk resources that are dependent on the Microsoft Exchange Information Store cluster resource.

Message ID	Message Text	Description
		(For CLI) *Cause* The physical disk resources to be restored could not be added to items dependent on the Exchange Information Store cluster resource while executing offline restore processing of the Exchange database. *Action* Start Cluster Administrator, and then add all the physical disk resources to be restored as physical disk resources having a dependency on the Exchange Information Store cluster resource.
KAVX1728-W	The dependency on the physical disk resources to be restored will remain deleted. Please set up the dependency on the Exchange Information Store cluster resource again.	*(For GUI)* *Cause* Due to an error, a dependency was deleted and processing will end without continuing. *Action* Re-set the dependency between the physical disk resource to be restored and the Microsoft Exchange Information Source resource *(For CLI)* *Cause* An error occurred while executing the command. The command will end with the dependency of the physical disk resources deleted. *Action* Reset the dependency between the physical disk resources to be restored and the Exchange Information Store resources.
KAVX1729-E	The Exchange Information Store cluster resource depends on the physical disk resource to be restored. Physical disk resource = *physical-disk-resources-to-be-restored*	*(For GUI)* *Cause* A dependency with the physical disk resource to be restored is set for the Microsoft Exchange Information Store cluster resource. *Action* Start the cluster administrator, and delete all physical disk resources to be restored as physical disks dependent on the Microsoft Exchange Information Store cluster resource. *(For CLI)* *Cause*

Message ID	Message Text	Description
		The Exchange Information Store cluster resource depends on the physical disk resource to be restored. *Action* Start Cluster Administrator and then delete all the physical disk resources to be restored from a dependency relation with the Exchange Information Store cluster resource.
KAVX1730-E	Restoration cannot be performed in a standby server in a CCR environment.	*(For GUI)* *Cause* Restoration was performed for a CCR environment standby server. *Action* Perform a restoration for the active server on the CCR environment. When performing a restoration for this server, first switch the Exchange virtual server to this server, and then perform restoration. *(For CLI)* *Cause* Restoration cannot be performed because the server that you want to perform a restoration process on is a standby server in a CCR environment. *Action* Retry restoration on the primary server (Exchange virtual server) in a CCR environment. If you are restoring backup data obtained from the standby server, switch from a standby server to a primary server and then retry the restoration.
KAVX1731-E	The replication function of Exchange Server has not been stopped. When a point-in-time restore is performed, the replication function of Exchange Server must be stopped. Storage group name = *storage-group-name*	*(For GUI)* *Cause* CCR replication functionality has not been stopped. *Action* Stop the CCR replication function as shown in the Exchange Server manual. *(For CLI)* *Cause* The CCR replication function has not been stopped. *Action* To perform a point-in-time restoration, you must stop the replication function of Exchange Server. For details on how

Message ID	Message Text	Description
		to stop the CCR replication function, see the Exchange documentation.
KAVX1732-I	The replication function of Exchange Server has stopped. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function was stopped. *Action* No action is required. *(For CLI)* *Cause* The Exchange Server replication function has stopped. If an error occurs between output of this message and output of the KAVX1734-I message (for the same storage group), the replication function is still stopped. *Action* After referring to the Exchange Server documentation, resume the replication function manually.
KAVX1733-E	The replication function of Exchange Server could not be stopped. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function could not be stopped. *Action* Stop the replication function as shown in the Exchange Server manual. *(For CLI)* *Cause* The Exchange Server replication function could not be stopped. *Action* After referring to the Exchange Server documentation, stop the replication function.
KAVX1734-I	The replication function of Exchange Server has resumed. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function has restarted. *Action* No action is required. *(For CLI)* *Cause* The Exchange Server replication function has started again.

Message ID	Message Text	Description
		Action -
KAVX1735-E	The replication function of Exchange Server could not be resumed. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function could not be restarted. *Action* Restart the replication function as shown in the Exchange Server manual. *(For CLI)* *Cause* The Exchange Server replication function could not be resumed. *Action* After referring to the Exchange Server documentation, resume the replication function.
KAVX1736-I	The seed processing will now start. Storage group name = *storage-group-name*	*(For GUI)* *Cause* Seed processing will now start. *Action* No action is required. *(For CLI)* *Cause* The seed processing will now start. *Action* -
KAVX1737-I	The seed processing has finished. Storage group name = *storage-group-name*	*(For GUI)* *Cause* Seed processing has completed. *Action* No action is required. *(For CLI)* *Cause* The seed processing has finished. *Action* -
KAVX1738-E	Deletion of a file failed during seed processing. Storage group name = *storage-group-name*	*(For GUI)* *Cause* A file could not be deleted on the standby server during seed processing. *Action*

Message ID	Message Text	Description
		Check the access permissions for the storage group files output on the standby server. Perform seed processing manually as shown in the Exchange Server manual. *(For CLI)* *Cause* The file could not be deleted on the standby server during seed processing. *Action* On the standby server, check the access permissions for the database file of the storage group. For the storage group for which automatic seed processing failed, refer to the Exchange Server documentation and then perform the seed processing manually.
KAVX1739-E	Data resynchronization failed during seed processing. Storage group name = *storage-group-name*	*(For GUI)* *Cause* Data resynchronization with the standby server could not be performed during seed processing. *Action* Perform seed processing manually, as shown in the Exchange Server manual. *(For CLI)* *Cause* Data could not be resynchronized with the standby server during seed processing. *Action* Refer to the Exchange Server documentation and then perform the seed processing manually.
KAVX1740-W	The replication function of Exchange Server has already stopped. Storage group name = *storage-group-name*	*(For GUI)* *Cause* An attempt was made to stop the Exchange Server replication function, but it was already stopped. *Action* No action is required. *(For CLI)* *Cause* An attempt was made to stop the Exchange Server replication function, but is had already been stopped.

Message ID	Message Text	Description
		Action No action is required.
KAVX1741-I	The replication function of Exchange Server has stopped. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function was stopped for the displayed target. *Action* No action is required. *(For CLI)* *Cause* The Exchange Server replication function for the displayed target has stopped. *Action* After this message was output, if an error occurred before the message KAVX1734-I was output for the storage group indicated in this message, manually resume the replication function.
KAVX1742-E	The replication function of Exchange Server could not be stopped. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function could not be stopped for the displayed target. *Action* Stop the replication function as shown in the Exchange Server manual. *(For CLI)* *Cause* The Exchange Server replication function for the displayed target could not be stopped. *Action* Refer to the Exchange Server documentation, and stop the replication function.
KAVX1743-I	The replication function of Exchange Server has resumed. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function was restarted for the displayed target. *Action* No action is required. *(For CLI)*

Message ID	Message Text	Description
		Cause The Exchange Server replication function for the displayed target has resumed. *Action* -
KAVX1744-E	The replication function of Exchange Server could not be resumed. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* The Exchange Server replication function could not be restarted for the displayed target. *Action* Restart the replication function as shown in the Exchange Server manual. *(For CLI)* *Cause* The Exchange Server replication function for the displayed target could not be resumed. *Action* Refer to the Exchange Server documentation, and resume the replication function.
KAVX1745-I	The seed processing will now start. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* Seed processing will now start for the displayed target. *Action* No action is required. *(For CLI)* *Cause* The seed processing for the displayed target has started. *Action* -
KAVX1746-I	The seed processing has finished. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* Seed processing has completed for the displayed target. *Action* No action is required. *(For CLI)* *Cause* The seed processing for the displayed target has finished.

Message ID	Message Text	Description
		Action -
KAVX1747-E	Deletion of a file failed during seed processing. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* A file could not be deleted on the target during seed processing. *Action* Check the access permissions for the storage group files output on the target. Perform seed processing manually, as shown in the Exchange Server manual. *(For CLI)* *Cause* The file could not be deleted from the target during seed processing. *Action* On the target, check the file's access permission in the storage group in this message.
KAVX1748-E	Data resynchronization failed during seed processing. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* Data resynchronization with the target could not be performed during seed processing. *Action* Perform seed processing manually, as shown in the Exchange Server manual. *(For CLI)* *Cause* Data resynchronization could not be performed for the target during seed processing. *Action* Perform seed processing manually, as shown in the Exchange Server manual.
KAVX1749-W	The replication function of Exchange Server has already stopped. Target = *target-name* Storage group name = *storage-group-name*	*(For GUI)* *Cause* An attempt was made to stop the replication function for the target, but it was already stopped. *Action* No action is required. *(For CLI)* *Cause*

Message ID	Message Text	Description
		An attempt was made to stop the Exchange Server replication function for the target, but the function had already been stopped. *Action* No action is required.
KAVX1750-E	Microsoft Exchange Replication Service on the target server has not started yet. Target = *target-name*	*(For GUI)* *Cause* SCR seeding cannot be performed, because the Microsoft Exchange Replication service has not started on the target. *Action* Make sure that the status of the Microsoft Exchange Replication service for the displayed target is normal, and execute the command again. If the target cannot be recovered, perform one of the following, and then execute the command again: • Perform restoration without using the SCR seed function. • Disable SCR replication settings for the displayed target. *(For CLI)* *Cause* Change the state of the Microsoft Exchange Replication Service for the displayed target to a valid state, and then execute the command again. *Action* If it is difficult to restore the state, perform either of the following, and then execute the command: • Perform restoration without using the SCR seed function. • Disable the SCR replication settings for the displayed target.
KAVX1751-W	Microsoft Exchange Replication Service on the target server has not started yet. Replication operations will not be performed for the target server. Target = *target-name*	*(For GUI)* *Cause* The following operations cannot be performed because the Microsoft Exchange Replication service has not started on the target: • SCR replication stoppage • SCR seeding • SCR replication restart *Action*

Message ID	Message Text	Description
		Make sure that the replication status for the Microsoft Exchange Replication service is normal for the displayed target. *(For CLI)* *Cause* The following replication operations could be performed because the Microsoft Exchange Replication Service has not yet started for the target: • Stopping the SCR replication • SCR seed • Resuming the SCR replication *Action* Check the state of the Microsoft Exchange Replication Service for the displayed target, and if necessary, set the replication state to a valid state.
KAVX1752-E	The copy group contains files other than the information store to be backed up. Specify all information stores that are contained within the same copy group. Information store name = *information-store-name* Copy group name = *copy-group-name*	*(For GUI)* *Cause* A replica of the information stores cannot be created because files of information stores that are not to be replicated are included in the same copy group. *Action* Specify only information stores that are in the same copy group, and then try to create a replica again. *(For CLI)* *Cause* The information store cannot be backed up because the copy group contains one or more files that are not part of the information store to be backed up. *Action* Specify all the information stores in the copy group.
KAVX1753-I	The replication function of Exchange Server has stopped. If the replication function does not resume automatically, manually resume the replication function. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*Cause* The replication function has been suspended for an information store on the Exchange Server. *Action* If the replication function for the Exchange Server in the message does not automatically resume, manually resume the function.

Message ID	Message Text	Description
KAVX1754-E	The replication function of Exchange Server could not be stopped. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*(For GUI)* *Cause* An attempt to interrupt the information store replication function on the indicated Exchange server has failed. *Action* Interrupt the replication function as described in the Exchange Server documentation. *(For CLI)* *Cause* The replication function could not be suspended for an information store on the Exchange Server. *Action* Use the Exchange Server manual to suspend the replication function.
KAVX1755-I	The replication function of Exchange Server has resumed. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*Cause* The replication function has been resumed for an information store on the Exchange Server. *Action* -
KAVX1756-E	The replication function of Exchange Server could not be resumed. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*(For GUI)* *Cause* An attempt to resume the information store replication function on the indicated Exchange server has failed. *Action* Resume the replication function as described in the Exchange Server documentation. *(For CLI)* *Cause* The replication function could not be resumed for an information store on the Exchange Server. *Action* Use the Exchange Server manual to resume the replication function.
KAVX1757-I	Seed processing will now start. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*Cause* Seed processing has started for an information store on the Exchange Server in the message. *Action*

Message ID	Message Text	Description
		-
KAVX1758-I	Seed processing has finished. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*Cause* Seed processing has completed for an information store on the Exchange Server in the message. *Action* -
KAVX1759-E	A data resynchronization attempt failed during seed processing. Perform the seed processing manually. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*(For GUI)* *Cause* A data resynchronization attempt failed during seed processing for the information store on the indicated Exchange server. *Action* Manually perform seed processing as described in the Exchange Server documentation. *(For CLI)* *Cause* Data resynchronization failed during the seed processing for an information store on the Exchange Server in the message. *Action* Use the Exchange Server manual to manually seed the information store.
KAVX1760-W	The replication function of Exchange Server has already stopped. Exchange Server name = *Exchange-Server-name* Information store name = *information-store-name*	*(For GUI)* *Cause* An attempt was made to interrupt the information store replication function on the indicated Exchange server, but the function had already been interrupted. *Action* No action is required. *(For CLI)* *Cause* An attempt to suspend the replication function failed for an information store on the Exchange Server in the message because the function was already suspended. *Action* -
KAVX1761-E	The Microsoft Exchange Replication service on the Exchange Server has not	*(For GUI)* *Cause*

Message ID	Message Text	Description
	started yet. Start the Microsoft Exchange Replication service, and then re-execute the command. Exchange Server name = *Exchange-Server-name*	DAG seed processing could not be performed because Microsoft Exchange Replication Service had not started yet on the indicated Exchange server. *Action* Make sure that the status of Microsoft Exchange Replication Service on the indicated Exchange server is correct, and then re-execute the command. If restoration of the Exchange server is difficult, take either of the following actions, and then re-execute the command: • Perform restoration without using the DAG seed function. • Disable the DAG replication setting for the indicated Exchange server. *(For CLI)* *Cause* DAG seed processing cannot be performed because the Microsoft Exchange Replication service is not running on the Exchange Server in the message. *Action* Start the Microsoft Exchange Replication service on the Exchange Server in the message, and then re-execute the command. If the Exchange Server cannot be recovered, perform either of the following, and then re-execute the command: • Restore the Exchange Server without using the DAG seed function. • Disable DAG replication for the Exchange Server in the message.
KAVX1762-W	The Microsoft Exchange Replication service on the Exchange Server has not started yet. Replication cannot be performed for the specified Exchange Server. Start the Microsoft Exchange Replication service, set the replication state to a valid state, and then manually perform seed processing.	*Cause* None of the following can be performed because the Microsoft Exchange Replication service is not running on the Exchange Server in the message: • DAG replication suspension • DAG seed processing • DAG replication resume processing *Action* Start the Microsoft Exchange Replication service on the Exchange

Message ID	Message Text	Description
	Exchange Server name = *Exchange-Server-name*	Server in the message, return the replication status to normal, and then use the Exchange Server manual to manually perform DAG seed processing.
KAVX1763-E	The backup information for the specified information store cannot be obtained. Specify a valid backup ID and information store. Information store name = *information-store-name*	*(For GUI)* *Cause* The replica information for the specified information store could not be obtained. *Action* Update the host information, and then make sure that the specified information store exists. Then, retry the operation. *(For CLI)* *Cause* The backup catalog with the specified backup ID does not contain backup information for the specified information store. *Action* Specify a valid backup ID and information store.
KAVX1764-E	The mailbox database copy cannot be restored because it is passive. Switch the mailbox database copy to be restored to active, and then re-execute the restore command. Information store name = *information-store-name*	*(For GUI)* *Cause* An attempt was made to restore the mailbox database from its copy, but the copy was in passive status. *Action* Switch the status of the copy of the mailbox database used for restoration to active status, and then retry the operation. *(For CLI)* *Cause* An attempt was made to restore a passive mailbox database copy. *Action* Make the mailbox database copy to be backed up an active mailbox database copy, and then re-execute the restore command.
KAVX1800-W	The information store has already been dismounted. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The database was already unmounted during replica creation or restoration. *Action*

Message ID	Message Text	Description
	Information store name = *information-store-name*	No action is required. *(For CLI)* *Cause* The database was already dismounted during backup or restore processing. *Action* No action is required.
KAVX1801-W	The information store has already been mounted. Storage group name = *storage-group-name* Information store name = *information-store-name*	*(For GUI)* *Cause* The database was already mounted during replica creation or restoration. *Action* No action is required. *(For CLI)* *Cause* The database was already mounted during backup or restore processing. *Action* No action is required.
KAVX1802-E	Inconsistencies exist in the information store. Storage group name = *storage-group-name* Information store name = *information-store-name*	*(For GUI)* *Cause* The information store contains an inconsistency. *Action* See the Exchange Server manual, make sure that the information store can be mounted or unmounted normally, and then retry the operation. *(For CLI)* *Cause* Either the statuses of the .edb and .stm files are inconsistent, or are not the same as LastConsistent. *Action* Refer to the Exchange Server documentation, confirm that the information store can be mounted or dismounted successfully, and then re-execute the command.
KAVX1803-E	Inconsistencies exist between the transaction log files and the checkpoint files. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The transaction log file and check point file contain an inconsistency. *Action* See the Exchange Server manual, make sure that the information store

Message ID	Message Text	Description
		can be mounted or unmounted normally, and then retry the operation. *(For CLI)* *Cause* The generation number of the transaction file indicated in the checkpoint file (the .chk file in the system path) is not the latest transaction log file. *Action* Refer to the Exchange Server documentation, confirm that the information store can be mounted or dismounted successfully, and then re-execute the command.
KAVX1804-E	The signature of the information store is invalid. Storage group name = *storage-group-name* Information store name = *information-store-name*	*(For GUI)* *Cause* The information store signature is invalid. *Action* The information store data file might be damaged. Contact the Support Center. *(For CLI)* *Cause* The signature of the information store does not match DBSignature of either the .edb file or the .stm file. A data file in the information store may have been destroyed. *Action* Contact your support center for more information.
KAVX1805-I	The information store will now be dismounted. Storage group name = *storage-group-name*	*(For GUI)* *Cause* The database is not mounted. *Action* No action is required. *(For CLI)* *Cause* The information store will now be dismounted so that backup or restore processing can be performed. *Action* -
KAVX1806-I	The information store will now be mounted.	*(For GUI)* *Cause*

Message ID	Message Text	Description
	Storage group name = *storage-group-name*	The database is mounted. *Action* No action is required. *(For CLI)* *Cause* The information store will now be mounted, since either backup or restore processing has been performed. *Action* -
KAVX1807-E	The target database file does not exist.	*(For GUI)* *Cause* The specified storage group contains no information stores. *Action* Specify a storage group with at least one information store, and then retry the operation. *(For CLI)* *Cause* Possible causes are as follows: 1. You specified the `-target` option, and the specified storage group did not include an information store. 2. No storage groups exist on Exchange Server if you have not specified the `-target` option, or storage groups that contain information stores do not exist. *Action* Depending on the cause, take appropriate action from the following: 1. If you specify the `-target` option, specify a storage group that includes an information store, and then re-execute the command. 2. If you do not specify the `-target` option, make sure that at least one storage group that contains an information store, and then re-execute the command.
KAVX1808-I	The information store will now be dismounted. Information store name = *information-store-name*	*Cause* The specified database to be backed up or restored is being unmounted. *Action*

Message ID	Message Text	Description
		-
KAVX1809-I	The information store will now be mounted. Information store name = *information-store-name*	*Cause* The specified database to be backed up or restored is being mounted. *Action* -
KAVX1810-W	The information store has already been dismounted. Information store name = *information-store-name*	*Cause* The database to be backed up or restored has already been unmounted. *Action* No action is required.
KAVX1811-W	The information store has already been mounted. Information store name = *information-store-name*	*Cause* The database to be backed up or restored has already been mounted. *Action* No action is required.
KAVX2500-E	You cannot assign the same directory name for AP_FILE_DIR and DB_DATA_FILE_DIR. Directory =*directory-name*	*Cause* In the definition file, the same directory name is specified for both AP_FILE_DIR and DB_DATA_FILE_DIR. *Action* Check the contents of the definition file, specify different directory names for AP_FILE_DIR and DB_DATA_FILE_DIR, and then re-execute the check tool.
KAVX2501-E	You cannot assign the same directory name for AP_FILE_DIR and BK_DATA_FILE_DIR. Directory = *directory-name*	*Cause* In the definition file, the same directory name is specified for both AP_FILE_DIR and BK_DATA_FILE_DIR. *Action* Check the contents of the definition file, specify different directory names for AP_FILE_DIR and BK_DATA_FILE_DIR, and then re-execute the check tool.
KAVX2502-E	The user does not have permission to execute this command.	*Cause* You do not have permission to execute the specified command. *Action* Re-execute the command as a user who has the proper permissions.
KAVX2503-E	An attempt to execute the *command-name* command has failed.	*Cause* A failure occurred in an extended command.

Message ID	Message Text	Description
	Cause = *cause*	*Action* Make sure that you can execute the command output in the message, and then re-execute the extended command.
KAVX2504-E	A copy group name is duplicated in the specified file. Copy group = *copy-group-name*	*Cause* The system ignores the duplicate copy group in the copy group batch definition file. *Action* Correct the copy group batch definition file so that no copy group file name is duplicated, then re-execute the check tool.
KAVX2505-E	An attempt to transmit files has failed. Cause = *cause* FTP server = *FTP-server-name* File or directory = *target-file-name-or-directory-name*	*Cause* A file transfer failed at the FTP server. Possible causes are as follows: 1. When this message is displayed during file transmission: - The specified directory does not exist on the FTP server. - The user who executed the command did not have write permission for the specified directory on the FTP server. - There is not enough unused capacity in the specified directory on the FTP server. 2. When this message is displayed during file reception: - The specified directory does not exist on the FTP server. - The user who executed the command did not have read permission for the specified directory on the FTP server. *Action* Check the above causes, if there are no problems then make sure of the following: • That the network status is normal. • That the FTP service is running.
KAVX2506-E	An attempt to transmit files has failed. Cause = *cause* File or directory = *target-file-name-or-directory-name*	*Cause* A file transfer failed at an FTP client. Possible causes are as follows: 1. When this message is displayed during file reception: - The specified directory does not exist on the local server.

Message ID	Message Text	Description
		- The user who executed the command did not have write permissions for the specified directory on the local server. - There is not enough unused capacity in the specified directory on the local server. 2. When this message is displayed during file transmission: - The specified directory does not exist on the local server. - The user who executed the command did not have read permission for the specified directory on the local server. *Action* Check the above causes; if there are no problems then make sure of the following: • That the network status is normal. • That the FTP service is running.
KAVX2507-E	The specified file path is invalid. File = *file-name*	*Cause* The path to the definition file is not specified correctly. *Action* Check that the definition file was specified with an absolute path, and then re-execute the command.
KAVX2508-E	The specified file does not exist. File = *file-name*	*Cause* The specified definition file does not exist. *Action* Make sure that the specified definition file exists.
KAVX2509-E	The copy group specified in the file does not exist. Copy group = *copy-group-name*	*Cause* The copy group name specified in the copy group batch definition file does not exist in the Replication Manager Application Agent dictionary map. *Action* Use the `drmcgctl` command to output a list of copy groups registered in the Replication Manager Application Agent dictionary map. Then check that the specified copy group exists in the list.
KAVX2510-E	The copy group specified in the file is invalid.	*Cause*

Message ID	Message Text	Description
	Copy group = *copy-group-name*	The specification format of the copy group name is invalid in the copy group batch definition file. *Action* Specify copy group name left-justified and then re-execute the command.
KAVX2511-E	The mount point directory specified in the definition file, or the file that lists mount point directories, does not exist. INSTANCE_NAME = *mount-point-directory-name-or-mount-point-batch-definition-file-name*	*Cause* The mount point or the mount point target definition file with the name specified in the operation definition file does not exist. *Action* Make sure that the specified mount point name or the mount point target definition file exists, and that it can be referenced.
KAVX2512-E	A backup-target file or directory specified in the definition file does not exist. TARGET_NAME = *file-name-or-directory-name*	*Cause* A backup target file or directory with the name specified in the operation definition file does not exist. *Action* Make sure that the specified backup target file or directory name exists, and that it can be referenced.
KAVX2513-E	A backup-target file or directory specified in the definition file does not exist in the mount point directory specified in the same definition file. INSTANCE_NAME = *mount-point-directory-name-or-mount-point-batch-definition-file-name* TARGET_NAME = *file-name-or-directory-name*	*Cause* The file name or directory name specified as being subject to backup in the operation definition file does not exist in the mount point directory specified in the operation definition file. *Action* Set the mount point directory that contains the file name or directory name subject to backup, make sure that the file or directory to be backed up can be referenced, and then re-execute the command.
KAVX2514-I	The processing of the *command-name* command will now continue in another window. Check any displayed messages, and enter any required value if prompted.	*Cause* This message is displayed when a command requiring message monitoring or an interactive operation on the screen is started in a separate window within an extended command. *Action* Check the message displayed in the window and enter information, if necessary. If the command does not need to wait for an entry, the window

Message ID	Message Text	Description
		closes automatically upon completion of the processing.
KAVX2515-I	The processing of the *command-name* command in another window will now end. This processing will resume in this window.	*Cause* This message indicates that the command that was started within an extended command and that was executing in a separate window has terminated. *Action* -
KAVX2516-E	The directory structure specified as *item-name* in the file is invalid. Item = *item-name* Directory = *directory-name* Operation ID = *operation-ID*	*Cause* The subdirectory corresponding to the value specified in the operation ID does not exist in the directory written in the operation definition file. *Action* Make sure that the item displayed in this message conforms to the rules of a temporary directory for extended commands described in the manual *Replication Manager Application Agent CLI User Guide*. Check the contents of the operation definition file, and then re-execute the check tool.
KAVX2517-E	The server name specified in the file is not set in, or conflicts with the name in, the configuration file. DB_SERVER_NAME = *value-of-DB_SERVER_NAME-in-definition-file* Configuration file = *configuration-file-name*	*Cause* The value of `DB_SERVER_NAME` in the operation definition file does not match the server name (the value of `DRM_HOSTNAME`) defined for `DRM_DB_PATH` in the Replication Manager Application Agent configuration definition file (`init.conf`). *Action* Check the contents of the definition file for the extended command and the `init.conf` file, change the value of `DB_SERVER_NAME`, and then re-execute the check tool. When changing a value in the `init.conf` file, follow the Replication Manager Application Agent environment setup procedure.
KAVX2518-E	The content of the specified copy group target definition file is invalid. File = *file-name*	*Cause* The copy group has not been set in the copy group batch definition file. *Action*

Message ID	Message Text	Description
		Register the copy group name in the copy group batch definition file and then re-execute the check tool.
KAVX2519-E	The mount point in the file that lists mount point directories (the file specified in the definition file) does not exist. File that lists mount point directories = *file-name* Mount point name = *mount-point-name*	*Cause* The mount point registered in the mount point batch definition file does not exist. *Action* Check the mount point batch definition file and then re-execute the command.
KAVX2520-E	No mount point is coded in the file that lists mount point directories (the file specified in the definition file). File that lists mount point directories = *file-name*	*Cause* No mount point has been registered in the mount point batch definition file. *Action* Register a mount point in the mount point batch definition file and then re-execute the command.
KAVX2521-E	An attempt to obtain information from the configuration file has failed. Cause = *cause* Configuration file = *configuration-file-name*	*Cause* Required information could not be obtained from the Replication Manager Application Agent configuration file. *Action* Check that the configuration file displayed in the message exists. If the file exists, check the contents of the file.
KAVX2522-W	The path specified in the file contains at least one extra '/'. These characters are ignored. Item = *item-name* Directory = *directory-name*	*Cause* The specified directory contains an extra slash (/). *Action* Eliminate the extra slash (/) from the directory name displayed in the message, and then re-execute the check tool.
KAVX2523-E	The value specified in the file contains non-numeric characters. Item = *item-name* Value = *item-value*	*Cause* In the definition file, the value of the item displayed in the message contains a non-numeric character. *Action* Specify the value using the numeric characters only, and then re-execute the check tool.
KAVX2524-E	The backup ID cannot be found in the input information.	*Cause* Information about the backup ID created by Replication Manager Application Agent could not be obtained.

Message ID	Message Text	Description
		Action See the system log to check whether an error has occurred in the OS.
KAVX2525-E	The syntax of the specified file's contents is wrong. Target file = *file-name*	*Cause* A syntax error exists in the entries coded in the definition file. *Action* Check the entries in the definition file, correct the syntax error, and then re-execute the check tool.
KAVX2526-E	A mount point is invalid in the file that lists mount point directories (the file specified in the definition file). File = *mount-point-batch-definition-file-name* Mount Point = *mount-point-name*	*Cause* A mount point contained in the mount point batch definition file is invalid. *Action* Make sure that the displayed mount point is contained in the absolute path, and make sure that it exists. Set the appropriate value, and then re-execute the check tool.
KAVX2527-E	A mount point is duplicated in the file that lists mount point directories (the file specified in the definition file). File = *mount-point-batch-definition-file-name* Mount Point = *mount-point-name*	*Cause* Duplicate mount points are contained in the mount point batch definition file. *Action* Correct the duplicate mount point value specified in the mount point batch configuration definition file, and then re-execute the check tool.
KAVX2528-E	One of the following is invalid: the mount point directory name specified in the definition file, or the name of the file that lists mount point directories. INSTANCE_NAME = *mount-point-directory-name-or-mount-point-directory-batch-definition-file-name*	*Cause* In the operation definition file, either the specified mount point directory name or the mount point directory batch definition file is invalid. *Action* Check whether the specified mount point directory name or mount point directory batch definition file is specified correctly, correct it if necessary, and then re-execute the check tool.
KAVX2529-E	The directory name of *item-name* specified in the file is invalid. Item = *item-name* Directory = *directory-name* DB_SERVER_NAME = *database-name* INSTANCE_NAME = *instance-name*	*Cause* This message is output when no matching subfolder exists for the string specified for `DB_SERVER_NAME` and `INSTANCE_NAME` in the folder specified in the operation definition file. *Action*

Message ID	Message Text	Description
		The following needs to be specified: *FTP-root-folder**value-specified-for-DB_SERVER_NAME**value-specified-for-INSTANCE_NAME*. Check the contents of the operation definition file, specify an appropriate value for the displayed item, and then re-execute the check tool.
KAVX2530-E	The storage directory name of the dictionary map file could not be obtained.	*Cause* While the extended command was processing, the `drmfsdisplay -v` command was executed, but the dictionary map file storage directory name could not be obtained. *Action* In the operation definition file, check the values specified for `DB_SERVER_NAME` and `SET_DRM_HOSTNAME`, correct them if necessary, and then re-execute the check tool.
KAVX2531-E	An attempt to create a directory has failed. Directory name = *directory-name*	*Cause* An attempt to create a directory has failed. *Action* Check the path of the directory that an attempt was made to create. If the path is correct, see the system logs to check whether problems exist in the OS. If there is no problem, contact your support center.
KAVX2532-I	The directory was created successfully. Directory name = *directory-name*	*Cause* This message is output when a directory is created successfully. *Action* -
KAVX2533-E	The directory name specified for FTP_SUB_DIR in the definition file is invalid. Directory = *directory-name*	*Cause* The string specified for `FTP_SUB_DIR` in the operation definition file either contains invalid characters, or is an absolute path. *Action* Correct the value for `FTP_SUB_DIR`, and then re-execute the check tool.
KAVX2534-E	The value of VDI_METAFILE_DIR, assigned by the initialization command, is the same as the temporary	*Cause* This message is output when the value for `VDI_METAFILE_DIR` and the value automatically created for

Message ID	Message Text	Description
	directory used by the extended commands. Directory = *directory-name* Initialization command = *initial-settings-command-name*	DB_DATA_FILE_DIR by the extended command are the same. *Action* Check the value for VDI_METAFILE_DIR, and then re-execute the check tool.
KAVX2535-I	The file could not be saved because the save-source files do not exist. Source file = *saving-source-file-name*	*Cause* File saving was not executed because there was no source file to be saved. *Action* -
KAVX2536-I	The file could not be expanded because the expansion-source files do not exist. Source file = *extraction-source-file-name*	*Cause* File extraction was not executed because there was no file to be extracted. *Action* -
KAVX2544-E	The specified Exchange Server was not found. Exchange Server name = *Exchange-Server-name*	*Cause* - *Action* If the system displays this message when executing the check tool EX_DRM_EXG_DEF_CHECK, verify the Exchange Server name that is specified in an item (DB_SERVER_NAME) of the definition file. Additionally, ensure that the Exchange Server specified in the definition file actually exists. If the system displays this message when executing the extended command EX_DRM_EXG_BACKUP, verify that the Exchange Server that is specified by -hostname option actually exists.
KAVX2545-E	The storage group specified in the definition file was not found. Exchange Server name = *Exchange-Server-name* TARGET_NAME = *storage-group-name*	*Cause* - *Action* Verify the storage group name that is specified in an item (TARGET_NAME) of the definition file. Additionally, ensure that the storage group specified in the definition file actually exists.
KAVX2546-E	The characters specified in the definition file are invalid for a storage group name. TARGET_NAME = *character-string*	*Cause* - *Action*

Message ID	Message Text	Description
		Verify the storage group name that is specified in an item (TARGET_NAME) of the definition file. Additionally, ensure that the storage group specified in the definition file actually exists.
KAVX2547-E	Exchange Server has not yet been installed on this system.	*Cause* Exchange Server has not yet been installed on the appropriate machine. *Action* Install Exchange Server on the appropriate machine.
KAVX2548-E	A value specified in the definition file is invalid. Item = *item-name* Current value = *current-value* Required value = *value-to-be-specified*	*Cause* The value of an item specified in the definition file is invalid. *Action* Verify the definition file according to the displayed message to modify the value of the item, and then re-execute the check tool.
KAVX2800-E	The storage group specified in the definition file is a recovery storage group. Exchange Server name = *Exchange-Server-name* TARGET_NAME = *storage-group-name*	*Cause* A recovery storage group was specified in TARGET_NAME of the definition file. *Action* Remove the recovery storage group name from the storage group names specified in TARGET_NAME of the definition file.
KAVX5000-E	Backup by VSS cannot be performed in this OS.	*(For GUI)* *Cause* A replica that uses VSS cannot be created in an OS that does not support VSS. *Action* Change the OS to a version that supports VSS, or use another method to perform a backup. *(For CLI)* *Cause* This message is output when a command using VSS functionality is executed on an OS that does not support VSS functionality. *Action* The command or option cannot be used with the OS on which the error occurred.

Message ID	Message Text	Description
KAVX5001-E	Backup by VSS cannot be performed in the cluster environment.	*(For GUI)* *Cause* VSS cannot be used to create a replica in a cluster configuration. *Action* Revise the configuration, and then retry. *(For CLI)* *Cause* This message is output when a command using VSS functionality is executed in a cluster environment. *Action* The command or option cannot be used with a cluster environment.
KAVX5002-E	The system environment variable VSHTCHOMRCF_MUN is not set, or an illegal value is set. Make sure that VSS has been set up correctly.	*(For GUI)* *Cause* The system is not properly configured to support VSS. *Action* Check the configuration, and then reconfigure the system from the Setup Application Agent dialog box. *(For CLI)* *Cause* This message is output when the backup generation for VSS backup is incorrect. Possible causes are as follows: • The system environment variable VSHTCHOMRCF_MUN has not been set up. • The system was not restarted after the system environment variable VSHTCHOMRCF_MUN was set up. • MU# in the system environment variable VSHTCHOMRCF_MUN contains an error. *Action* Check the system environment variable VSHTCHOMRCF_MUN or RAID Manager settings.
KAVX5003-E	RM Shadow Copy Provider could not be used. Make sure that VSS has been set up correctly.	*(For GUI)* *Cause* This message is output when the VSS hardware provider (RM Shadow Copy

Message ID	Message Text	Description
		Provider) does not operate. Possible causes are as follows: • RM Shadow Copy Provider has not been installed. • The system environment variables for using VSS have not been set up correctly. • The system was not restarted after the system environment variables for using VSS were set up. *Action* For details, in the *Replication Manager Application Agent CLI User Guide*, see the explanation on how to specify settings when using VSS, and make sure that the environment settings for VSS backup have been set up correctly. In addition, an event log (whose source is RMVSSPRV) that shows error details might be output to the application event log on the database server. For details on this event log, see the RAID Manager manual. *(For CLI)* *Cause* This message is output when the VSS hardware provider (RM Shadow Copy Provider) does not operate. Possible causes are as follows: • RM Shadow Copy Provider has not been installed. • The system environment variable `VSHTCHORCMINST_LOCAL` has not been set up correctly. • The system was not restarted after the system environment variable `VSHTCHORCMINST_LOCAL` was set up. *Action* Make sure that the environment settings for VSS backup have been set up correctly. In addition, an event log (whose source is RMVSSPRV) that shows error details might be output to the application event log on the database server. For details on this event log, see the RAID Manager manual.
KAVX5004-E	A timeout error occurred in the writer.	*(For GUI)*

Message ID	Message Text	Description
	Writer name = *writer-name*	*Cause* A timeout error occurred. *Action* Contact the Support Center. *(For CLI)* *Cause* This message is output when an attempt to acquire backup has failed because a static timeout occurred in the writer. Possible causes are as follows: • It took a long time to split a pair because a large number of drives were used for storage groups. • It took a long time to split a pair because system workload was considerably high. *Action* -
KAVX5005-E	The VSS definition file does not exist.	*(For GUI)* *Cause* The VSS definition file is missing. *Action* Check whether *replication-manager-application-agent-installation-directory*`\conf\vss\vsscom.conf` exists. If it does not exist, copy *replication-manager-application-agent-installation-directory*`\conf\vsscom.conf.model` to *replication-manager-application-agent-installation-directory*`\conf\vsscom.conf`, and then create the VSS definition file. *(For CLI)* *Cause* The VSS definition file does not exist. *Action* When the `-vf` option is specified: Check whether the *Replication-Manager-Application-Agent-installation-destination*`\DRM\conf\vss\`*VSS-definition-file-name* directory exists. If it does not exist, copy the file *Replication-Manager-Application-Agent-installation-destination*`\DRM\conf\vsscom.conf.model` to the *Replication-Manager-Application-*

Message ID	Message Text	Description
		Agent-installation-destination\DRM\conf\vss*VSS-definition-file-name* directory, to create the VSS definition file. When the -vf option is not specified: Check whether the *Replication-Manager-Application-Agent-installation-destination*\DRM\conf\vsscom.conf file exists. If it does not exist, copy the file *Replication-Manager-Application-Agent-installation-destination*\DRM\conf\vsscom.conf.model to *Replication-Manager-Application-Agent-installation-destination*\DRM\conf\vsscom.conf, to create the VSS definition file.
KAVX5006-E	An attempt to open the VSS definition file has failed.	*(For GUI)* *Cause* The VSS definition file exists, but cannot be accessed. *Action* Confirm that you have permission to access *replication-manager-application-agent-installation-directory*\conf\vss\vsscom.conf. *(For CLI)* *Cause* An attempt to open the VSS definition file has failed. *Action* When the -vf option is specified: Check the access permissions for *Replication-Manager-Application-Agent-installation-destination*\DRM\conf\vss*VSS-definition-file-name*. When the -vf option is not specified: Check the access permissions for *Replication-Manager-Application-Agent-installation-destination*\DRM\conf\vsscom.conf.
KAVX5007-E	A necessary parameter setting for the VSS definition file is invalid. Parameter name = *parameter-name*	*(For GUI)* *Cause* The VSS definition file does not contain the required parameter setting, or the total length of the parameters in a line exceeds 256 bytes.

Message ID	Message Text	Description
		Action Change the required parameter setting in the VSS definition file. *(For CLI)* *Cause* An invalid parameter has been set in the VSS definition file. *Action* Check the parameters set in the file.
KAVX5008-E	The value of a parameter in the VSS definition file is invalid. Parameter name = *parameter-name* Parameter value = *parameter-value*	*(For GUI)* *Cause* The VSS definition file contains an invalid parameter value. *Action* Specify a valid parameter value. *(For CLI)* *Cause* An invalid parameter has been set in the VSS definition file. *Action* Check the parameters set in the file.
KAVX5012-E	The VSHTCHORCMINST_REMOTE system environment variable is missing, or has been assigned an invalid value. Check whether VSS setup has been correctly performed.	*(For GUI)* *Cause* The Replication Manager Application Agent environment is invalid. *Action* Open the Setup Application Agent dialog box on the backup-server side, and then reconfigure the secondary instance to be used. *(For CLI)* *Cause* The system environment variable `VSHTCHORCMINST_REMOTE` is not set correctly. *Action* Make sure that an appropriate value is set for this variable.
KAVX5013-E	The port number is already in use. Port number = *port-number*	*(For GUI)* *Cause* A specified port number is already in use. *Action*

Message ID	Message Text	Description
		Check the setup procedure, and then reassign an unused port number to services. *(For CLI)* *Cause* The port number is already in use. *Action* For details, in the *Replication Manager Application Agent CLI User Guide*, see the explanation on how to specify settings when using VSS, and change the port number.
KAVX5023-E	An error occurred on the backup server. Cause = *detailed-message*	*(For GUI)* *Cause* An error occurred on the backup server. *Action* Troubleshoot the cause of the error. *(For CLI)* *Cause* An error occurred on the backup server, for which processing could not continue. *Action* For details about the error and how to recover from it, see DRM-10000 - DRM-19999 on page 2-3.
KAVX5024-E	A memory shortage occurred in the Protection Manager service. Host name = *host-name*	*(For GUI)* *Cause* A memory shortage occurred in the Application Agent service. *Action* Add memory to the target host. Or, change the virtual memory setting. *(For CLI)* *Cause* A memory shortage occurred on the connection-destination host. *Action* Either increase the amount of memory, or change the virtual memory settings.
KAVX5025-W	An attempt to delete the backup metadata file has failed.	*Cause* An attempt to delete the backup metadata file on the primary volume has failed.

Message ID	Message Text	Description
		Action Check the permissions for the file and the folder in which it is stored.
KAVX5026-E	The backup metadata file already exists on the backup server.	*(For GUI)* *Cause* The file already exists on the backup server. *Action* Reattempt the backup. *(For CLI)* *Cause* Backup metadata already exists. *Action* Delete the backup metadata file on the primary volume, and perform backup again.
KAVX5027-E	An attempt to load the backup metadata file on the backup server has failed.	*(For GUI)* *Cause* An attempt to load the file on the backup server failed. *Action* Contact the Support Center. *(For CLI)* *Cause* An attempt to read the backup metadata file has failed. *Action* Check whether backup metadata exists on the secondary volume.
KAVX5028-E	An attempt to write the backup metadata file on the backup server has failed.	*(For GUI)* *Cause* An attempt to write to the file on the backup server failed. *Action* Reattempt the backup. *(For CLI)* *Cause* An attempt to write the backup metadata file has failed. *Action* Check that write permissions exist for the primary volume.

Message ID	Message Text	Description
KAVX5029-E	An attempt to mount the target drive on the backup server has failed.	*(For GUI)* *Cause* An attempt to mount the target drive on the backup server failed. *Action* Make sure that the correct mount point directory is specified on the backup server. If the specified mount point directory is correct, check the OS system log to see whether an error occurred. *(For CLI)* *Cause* - *Action* Check whether the secondary volume has already been mounted. Note that attempts to perform a mount during backup may fail when another volume is mounted in the directory on the volume to be backed up.
KAVX5030-E	The target drive is already mounted on the backup server.	*(For GUI)* *Cause* The target drive is already mounted on the backup server. *Action* The target drive is already mounted as another volume. Unmount the target drive, and then retry the operation. *(For CLI)* *Cause* The secondary volume to be restored is already mounted. *Action* Execute the `drmexgcat` command with the `-backup_id` option to display the copy groups, and then execute the `drmumount` command with the `-copy_group` option to unmount the copy group to be restored. If this does not remove the error, execute the `drmmount` command with the `-copy_group` option to mount the copy group to be restored, and then execute the `drmumount` command with the `-copy_group` option to unmount the copy group to be restored.

Message ID	Message Text	Description
KAVX5031-E	An attempt to unmount the target drive on the backup server has failed.	*(For GUI)* *Cause* An attempt to unmount the target drive on the backup server failed. *Action* Confirm the following on the backup server: • The drive to be unmounted is not being used by another process. • The drive to be unmounted is not being used as the current directory. If the correct mount point directory is specified, check the system log and confirm that there are no problems with the OS. *(For CLI)* *Cause* An attempt to unmount the secondary volume from the backup server has failed. *Action* Execute the `drmumount` command on the backup server to perform an unmount, and then retry the operation. If you cannot unmount the volume by using the `drmumount` command, use the `drmmount` command to mount the volume, and then retry the unmount operation.
KAVX5032-E	An attempt to acquire the mount information on the backup server has failed.	*(For GUI)* *Cause* An attempt to acquire the mount information on the backup server failed. *Action* Contact the Support Center. *(For CLI)* *Cause* An attempt to acquire the mount information on the backup server has failed. *Action* Use the `drmmount` command to mount the secondary volume to be restored on the backup server, and then use the `drmumount` command to unmount

Message ID	Message Text	Description
		the volume. If this operation does not resolve the problem, check whether a problem exists in the Replication Manager Application Agent environment on the backup server. If no problem exists in the Replication Manager Application Agent operating environment, see troubleshooting in the manual *Replication Manager Application Agent CLI User Guide*, collect the appropriate materials, and then contact your support center.
KAVX5033-E	An attempt by the backup server to import the VSS snapshot has failed. Make sure that VSS has been set up correctly.	*(For GUI)* *Cause* This message is output when an attempt to import the VSS snapshot fails on the backup server. Possible causes are as follows: • RM Shadow Copy Provider has not been installed on the backup server. • The system environment variables for using VSS have not been set correctly. • The system was not restarted after the system environment variables for using VSS were set up. • The system environment variables (`HORCMINST`, `HORCC_MRCF`, and `HORCMPERM`), which cannot be specified on the backup server, have been set. • The `-m noread` option was not specified during a pair generation. *Action* For details, in the *Replication Manager Application Agent CLI User Guide*, see the explanation on how to specify settings when using VSS, and make sure that the environment settings for VSS backup have been set up correctly. In addition, an event log (whose source is RMVSSPRV) that shows error details might be output to the application event log on the backup server. For details on this event log, see the RAID Manager manual. A tool that cannot be used during command execution might also be running. For details, see Tools that Cannot Be Used When Executing Commands in the

Message ID	Message Text	Description
		manual *Replication Manager Application Agent CLI User Guide*. *(For CLI)* *Cause* This message is output when an attempt to import the VSS snapshot fails on the backup server. Possible causes are as follows: • RM Shadow Copy Provider has not been installed on the backup server. • The system environment variable `VSHTCHORCMINST_REMOTE` has not been set correctly, or no restart has been performed since it was set. • The system environment variables (`HORCMINST`, `HORCC_MRCF`, and `HORCMPERM`), which cannot be specified on the backup server, have been set. • The `-m noread` option was not specified during a pair generation. *Action* In addition, an event log (whose source is RMVSSPRV) that shows error details might be output to the application event log on the database server. For details on this event log, see the RAID Manager manual. A tool that cannot be used during command execution might also be running. For details, see *Tools that Cannot Be Used When Executing Commands* in the manual *Replication Manager Application Agent CLI User Guide*.
KAVX5034-E	The system environment variable to be used in VSS (VSHTCRMENVF or VSHTCHOMRCF_MUN) has not been set. Make sure that VSS setup has been performed correctly.	*(For GUI)* *Cause* The system is not correctly configured to support VSS. *Action* Specify the system environment variable `VSHTCRMENVF` as follows: *Replication-Manager-Application-Agent-installation-directory* `\conf \vssprv.conf` *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message is displayed when neither of the environment variables, VSHTCRMENVF or VSHTCHOMRCF_MUN, have been set. *Action* If the generation management function of VSS, the -rc option, or the -cascade option is used, set the system environment variable VSHTCRMENVF. Otherwise, set VSHTCHOMRCF_MUN. For details about how to set these variables, see the section on settings for using VSS in the manual *Replication Manager Application Agent CLI User Guide*.
KAVX5035-E	To use the -rc or -cascade option, the system environment variable VSHTCRMENVF must be specified.	*(For GUI)* *Cause* The Replication Manager Application Agent environment is invalid. *Action* Revise the Application Agent settings. Change the setting for the environment variable VSHTCRMENVF. *(For CLI)* *Cause* This message appears when the -rc or -cascade option has been specified but the system environment variable VSHTCRMENVF has not been set. *Action* Correctly set the system environment variable VSHTCRMENVF by referring to the section on settings for using VSS in the manual *Replication Manager Application Agent CLI User Guide*.
KAVX5036-E	The version of the VSS import server is invalid.	*(For GUI)* *Cause* An older version of the VSS-import server is used. *Action* Check the version of Replication Manager Application Agent that is installed on the backup server. *(For CLI)* *Cause* This message appears when the version of the VSS import server is old. *Action*

Message ID	Message Text	Description
		Check the version of any Replication Manager Application Agent that has been installed on the backup server.
KAVX5037-E	The backup metadata file contains an inconsistency.	*(For GUI)* *Cause* A file used by the backup server has been corrupted for some unknown reason, causing inconsistencies in the file. *Action* Because there are inconsistencies in a file used by the backup server, backup data cannot be restored. *(For CLI)* *Cause* An inconsistency exists in the backup metadata file because the file is corrupted. *Action* The backup data cannot be restored because the backup metadata file is in an inconsistent state.
KAVX5038-E	Backup by VSS cannot be performed in the OS of the backup server.	*(For GUI)* *Cause* The OS that runs on the backup server does not support the creation of VSS replicas. *Action* Change the OS to a version that is supported. *(For CLI)* *Cause* - *Action* VSS cannot be used in the OS of the specified backup server.
KAVX5039-E	The system environment variable VSHTCHORCMINST_REMOTE is not set in the backup server, or an invalid value is set. Make sure the settings related to VSS are correct.	*(For GUI)* *Cause* The system is not properly configured to support VSS. *Action* Open the Setup Application Agent dialog box on the backup server side, and then reconfigure the secondary instance to be used. *(For CLI)* *Cause*

Message ID	Message Text	Description
		The system environment variable VSHTCHORCMINST_REMOTE is not set in the backup server. *Action* Set the system environment variable VSHTCHORCMINST_REMOTE in the backup server.
KAVX5040-I	A timeout error occurred in the writer. The VSS backup processing will be retried. Retry count = *retry-count* Present retry = *present-retry* Standby time = *standby-time*	*Cause* Processing to back up VSS will be retried because a freeze timeout occurred in the writer. *Action* -
KAVX5041-E	A timeout error occurred in the VSS operation. Standby time = *standby-time-for-VSS-processing*	*Cause* A timeout error occurred in the VSS operation. *Action* Execute the recovery action described below, and then re-execute the command. If the error occurs repeatedly, contact customer support. If the KAVX5041-E error occurred while a backup command was in progress: • If secondary volumes of copy groups to be backed up are mounted on the backup server, unmount those secondary volumes. If the KAVX5041-E error occurred while a restore command was in progress: • You do not need to execute any recovery action.
KAVX5100-E	The specified copy parameter definition file does not exist. File name = *file-path*	*(For GUI)* *Cause* The file used by Replication Manager Application Agent cannot be found. *Action* Change the configuration, and then retry the operation. If the problem persists, contact the Support Center. *(For CLI)* *Cause*

Message ID	Message Text	Description
		The copy parameter definition file specified by the `-pf` option does not exist. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5101-I	The value specified in the following definition is considered as valid for the copy parameter. *parameter-name=value* [*parameter-acquisition-source-file*]	*Cause* This message is output when the copy parameter definition file specified by the `-pf` option and the RAID Manager linkage definition file (`DEFAULT.dat`) are read and a valid definition is defined. *Action* -
KAVX5102-E	A required parameter is not defined in the definition file used for linking with RAID management software (DEFAULT.dat). Parameter name = *parameter-name*	*(For GUI)* *Cause* The file required to link with RAID management software was read, but it does not contain a necessary parameter. *Action* Confirm that the system is correctly configured, and then retry the operation. *(For CLI)* *Cause* A parameter that must be defined was not entered in the read results of the RAID Manager linkage definition file (`DEFAULT.dat`). *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5103-E	The pair identifiers in the copy group to be backed up do not match. Copy group name [MU#] = *copy-group-name* [*MU-number*], *copy-group-name* [*MU-number*]	*(For GUI)* *Cause* The backup command was executed when the `CONFIRM_GENERATION_IDENTIAL=ENABLE` parameter was specified in the CCI

Message ID	Message Text	Description
		configuration definition file and CCI-linkage definition file (DEFAULT.dat), and automatic copy group selection was enabled. As the result, the pair identifiers do not match. This error might also occur if VSS is used. *Action* Use one of the following methods to resolve the error: 1. Lock the copy groups. Or, use a method that enables the same pair identifier to be selected. 2. Specify the CONFIRM_GENERATION_IDENTIAL=DISABLE parameter in the linkage definition file for CCI (DEFAULT.dat), and then retry the operation. (This method is only valid if a local copy is used and VSS is not used.) *(For CLI)* *Cause* The pair identifiers (MU#) did not match when the copy group was automatically selected by executing the backup command with ENABLE specified for the CONFIRM_GENERATION_IDENTICAL parameter of the RAID Manager linkage definition file (DEFAULT.dat). This error may also occur when VSS is being used. *Action* Resolve by one of the following methods: • Perform an operation to ensure that the same pair identifiers are selected, such as locking the copy group. • Specify DISABLE in the CONFIRM_GENERATION_IDENTICAL parameter of the RAID Manager linkage definition file (DEFAULT.dat), and then re-execute the command (only valid when VSS is not being used for the local site backup).
KAVX5104-W	The pair identifiers in the copy group to be backed up do not match. Restore processing may fail.	*Cause* The pair identifiers (MU#) did not match when the copy group was automatically selected by executing the backup command with DISABLE

Message ID	Message Text	Description
	Copy group name [MU#] = *copy-group-name* [*MU-number*], *copy-group-name* [*MU-number*]	specified for the CONFIRM_GENERATION_IDENTICAL parameter of the RAID Manager linkage definition file (DEFAULT.dat), or when the CONFIRM_GENERATION_IDENTICAL parameter had not been entered. *Action* When restoring, perform pair-split processing for all copy groups that have the same primary volume.
KAVX5105-W	Completed volume restoring, but failed to reverse the primary and secondary volumes.	*Cause* This message is output when a command ends with the primary and secondary volumes reversed from restore processing that targets the copy group of remote copy. *Action* To restore the data in the secondary volume by using pair resynchronization, which swaps the primary and secondary volumes, see Actions to be taken for KAVX5105-W on page 2-2032.
KAVX5106-E	The status of the copy group to be processed is invalid.	*(For GUI)* *Cause* The status of a copy group to be processed is invalid. *Action* Update the copy group information to be processed, and then acquire the status of the copy group. If the problem persists, change the copy group status back to the normal status. *(For CLI)* *Cause* This message is output when the status of the copy group subject to processing is invalid. *Action* Check the contents of the copy group that had an invalid status, and then change that copy group to a valid status.
KAVX5107-E	The status of the copy group associated with processing is invalid.	*(For GUI)* *Cause* The status of a copy group associated with processing is invalid.

Message ID	Message Text	Description
		Action Update the copy group information to be processed, and then acquire the status of the copy group. If the problem persists, change the copy group status back to the normal status. *(For CLI)* *Cause* This message is output when the status of the copy group not subject to processing is invalid. *Action* Check the contents of the copy group that had an invalid status, and then change that copy group to a valid status.
KAVX5108-I	Resynchronizing a copy group. Copy group name = *copy-group-name*	*Cause* This message is output when resynchronization of the copy group is executed. *Action* -
KAVX5109-I	Dividing a copy group in pair. Copy group name = *copy-group-name*	*Cause* This message is output when splitting the pair of the copy group is executed. *Action* -
KAVX5110-I	Performing mounting. Mount point name = *mount-point-name*	*Cause* This message is displayed when mounting is executed. *Action* -
KAVX5111-I	Performing unmounting. Mount point name = *mount-point-name*	*Cause* This message is displayed when unmounting is executed. *Action* -
KAVX5112-I	Making a cluster resource online. Cluster resource name = *cluster-resource-name*	*Cause* This message is displayed when the cluster resource is made online. *Action* -
KAVX5113-I	Making a cluster resource offline.	*Cause*

Message ID	Message Text	Description
	Cluster resource name = *cluster-resource-name*	This message is displayed when the cluster resource is made offline. *Action* -
KAVX5114-I	The disk group will now be deported. Disk group name = *disk-group-name*	*Cause* This message is displayed when a disk group is being deported. *Action* -
KAVX5115-I	The disk group will now be imported. Disk group name = *disk-group-name*	*Cause* This message is displayed when a disk group is being imported. *Action* -
KAVX5116-E	The logical volume configuration of the secondary volume is incorrect.	*(For GUI)* *Cause* The actual logical volume configuration acquired from the secondary volume does not match the volume in the replica history or copy group mount definition. 1. Even though the logical volume configuration of the primary volume has been changed, the backup catalog before the change was specified. 2. Even though no copy group mount definition was created, an attempt was made to mount a dynamic disk by specifying a copy group. *Action* 1. Confirm that the specified replica history was created at the time of the replication for the logical volume configuration of the current primary volume. Make sure that you specify the replica history for the current primary volume configuration. If the logical volume configuration of the primary volume was changed, reconfigure the system and mount the secondary volume. 2. If a copy group configured by a dynamic disk is specified, confirm that the copy group mount definition file was created. Before specifying a copy group, you must

Message ID	Message Text	Description
		create a copy group mount definition file. Confirm that the system is correctly configured to mount the secondary volume. 3. If none of the above conditions apply, reconfigure the system so that the secondary volume can be mounted. *(For CLI)* *Cause* This message is output when the actual logical volume configuration obtained from the secondary volume does not match the logical volume configuration of the backup catalog or the copy group mount definition. Possible causes are as follows: • The logical volume configuration of the primary volume has been changed, but the backup catalog from before the configuration change is specified. • An attempt was made to mount a dynamic disk with a copy group specified, but the copy group mount definition has not been created. *Action* Take appropriate action as follows: • Make sure that the backup catalog specified for the backup ID was created when the logical volume configuration of the current primary volume was backed up. • Specify the backup ID of the backup information corresponding to the current primary volume configuration. • If you changed the logical volume configuration of the primary volume, specify the settings again to mount the secondary volume. • If you specified a copy group with dynamic disk configuration, make sure that the copy group mount definition file has been created. The copy group mount definition file should be created in advance. Check the settings to mount the secondary volume.

Message ID	Message Text	Description
		• If none of the above is the reason, specify the settings again to mount the secondary volume.
KAVX5118-E	Confirm that the pair status is *pair-status*.	*(For GUI)* *Cause* The actual pair status of a copy group is different from the expected status. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when the pair status of the copy group differs from the expected status. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5119-E	The retry of the pair status confirmation has timed out. Wait pair status = *pair-status* *retry-count-parameter-name* = *retry-count-parameter-value*-(times) *retry-wait-time-parameter-name* = *retry-wait-time-parameter-value*-(10ms)	*(For GUI)* *Cause* The pair status does not change as expected after the number of checks is specified in the retry count parameter. Each check is conducted after the specified length of time in the retry wait time parameter elapses. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when the system does not detect the anticipated status despite checking at the intervals specified in the *retry-wait-time-parameter-name* parameter, and checking for the number of times specified in the *retry-count-parameter-name* parameter. *Action* A detailed message, output after this message, indicates the cause of the

Message ID	Message Text	Description
		KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5120-E	An error occurred in the processing of the copy group. Copy group name = *copy-group-name*	*(For GUI)* *Cause* An error occurred in the target copy group. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when an error occurs in the target copy group. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5121-E	An error occurred in the processing that compares the backup catalog and the current configuration. Cause = *cause*	*(For GUI)* *Cause* A restoration cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. *Action* A restore operation cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. Re-acquire the replica. *(For CLI)* *Cause* This message is output when restoration cannot be executed because the drive configuration for restoration execution differs from that for backup execution. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take

Message ID	Message Text	Description
		appropriate action to remove the error.
KAVX5122-E	An error occurred in the processing of a logical volume. Mount point name = *mount-point-name* Volume name = *volume-name*	*(For GUI)* *Cause* The mount point cannot be mounted or unmounted. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when an attempt to mount or unmount a mount point fails. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5123-E	An attempt to acquire the mount point name has failed. Volume name = *volume-name*	*(For GUI)* *Cause* An attempt to acquire or unmount a mount point has failed. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when an attempt to acquire (unmount) a mount point fails. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5124-E	An error occurred in the processing that selects the copy group. Physical drive name = *physical-drive-name*	*(For GUI)* *Cause*

Message ID	Message Text	Description
	Cause = *cause*	There was no generation name or number for the selected copy group when the replica was created. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output if a user-specified generation or a usable generation does not exist when you select the name identifying the generation of a copy group during backup execution. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5125-E	A file necessary for restoration is not specified. File name = *file-name* Disk group name = *disk-group-name*	*(For GUI)* *Cause* Not all of the files in a disk group were specified when a replica was restored. *Action* See the details message (which is output after this message) that caused KAVX0051-E or KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when some of the files in the disk group are not specified during restoration execution. *Action* A detailed message, output after this message, indicates the cause of the KAVX0051-E or KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5126-E	An error occurred in the processing for a logical volume. Mount point name = *mount-point-name* Cause = *cause*	*(For GUI)* *Cause* An error occurred while the target local volume is being processed. *Action*

Message ID	Message Text	Description
		See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when an error occurs in target logical volume processing. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5127-E	An error occurred in the processing related to RAID Manager. Instance number = *instance-number*	*(For GUI)* *Cause* An error occurred during the startup or shutdown of a CCI instance. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output if an error occurs when a RAID Manager instance is being started or stopped. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5128-E	An error occurred in the processing that compares the backup catalogs with the current configuration. Backup catalog information Disk group name = *disk-group-name* Physical drive name = *physical-drive-name* LDEV number = *LDEV-number* SERIAL number = *SERIAL-number*	*(For GUI)* *Cause* A restoration cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. *Action* A restore operation cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. Reacquire the replica.

Message ID	Message Text	Description
	Partition style = *partition-style*	*(For CLI)* *Cause* This message is output when restoration cannot be executed because the drive configuration for restoration execution differs from that for backup execution. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5129-E	An error occurred in the processing that compares the backup catalogs with the current configuration. Backup catalog information Disk group name = *disk-group-name*	*(For GUI)* *Cause* A restoration cannot be performed, because the configuration of the drive has been changed from the configuration of the replicated drive. *Action* A restore operation cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. Reacquire the replica. *(For CLI)* *Cause* This message is output when restoration cannot be executed because the drive configuration for restoration execution differs from that for backup execution. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5130-E	An error occurred in the processing for a logical volume. Disk group name = *disk-group-name* Physical drive name = *physical-drive-name*	*(For GUI)* *Cause* A logical volume on the physical drive cannot be identified. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)*

Message ID	Message Text	Description
		Cause This message is output when an attempt to identify a logical volume on a physical drive fails. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5131-E	An error occurred in the processing for a disk group. Disk group name = *disk-group-name*	*(For GUI)* *Cause* The name of the disk group (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when an attempt to acquire the name of a disk group where the error occurred was successful. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5132-E	An error occurred in the mount point of the object. Mount point name = *mount-point-name*	*(For GUI)* *Cause* The name of the mount point (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is output when an attempt to acquire the name of a

Message ID	Message Text	Description
		mount point where the error occurred was successful. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5133-E	An error occurred in the processing for the physical drive. Physical drive name = *physical-drive-name*	*(For GUI)* *Cause* The name of the physical drive (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is displayed when the name of the physical drive for which an error occurred can be obtained. *Action* A detailed message, output after this message, indicates the cause of the KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5134-E	An error occurred in the processing for the disk resource. Disk resource name = *disk-resource-name*	*(For GUI)* *Cause* The name of the disk resource (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message is displayed when the name of the disk resource for which an error occurred can be obtained. *Action* A detailed message, output after this message, indicates the cause of the

Message ID	Message Text	Description
		KAVX0006-E message. Check the detailed message, and then take appropriate action to remove the error.
KAVX5135-I	Extended maintenance mode was set for *disk-resource-name*.	*Cause* This message is displayed when the extended maintenance mode is set for the disk resource. *Action* -
KAVX5136-I	Extended maintenance mode was released for *disk-resource-name*.	*Cause* This message is displayed when the extended maintenance mode is released for the disk resource. *Action* -
KAVX5137-E	The physical disk resource cannot be placed online because the disk signature has changed. Cluster resource name = *cluster-resource-name* Physical drive name = *physical-drive-name* Disk signature = *disk-signature(before-change) -> disk-signature(after-change)*	*(For GUI)* *Cause* The disk signature for the secondary volume has changed and the secondary volume has been restored to the primary volume. A physical drive resource that includes a volume whose disk signature has changed cannot be placed from offline to online. *Action* Contact the Support Center. For details on what to do when the restoration command for the primary volume has been interrupted due to changes in the disk signature, see Actions to be taken for KAVX5137-E or KAVX0006-E/DRM-10041 on page 2-2033. *(For CLI)* *Cause* The restoration command for the primary volume has been interrupted because the disk signature of the secondary volume has been changed. *Action* For details on what to do when the restoration command for the primary volume has been interrupted due to changes in the disk signature, see Actions to be taken for KAVX5137-E or KAVX0006-E/DRM-10041 on page 2-2033.

Message ID	Message Text	Description
KAVX5138-E	An attempt to acquire the disk signature has failed. Physical drive name = *physical-drive-name*	*(For GUI)* *Cause* This message appears if an attempt to acquire a disk signature fails. *Action* Check the system log, and then check whether the message that indicates the target physical drive error has been output. If any error message is found, resolve the error. *(For CLI)* *Cause* An attempt to acquire the disk signature has failed. *Action* Examine the system log, check whether any messages have been output that show errors in the target physical drive, and then remove the cause of the error.
KAVX5139-E	An attempt to update the disk signature has failed. Copy group name = *copy-group-name* Physical drive name = *physical-drive-name*	*(For GUI)* *Cause* An attempt to update the disk signature for the physical drive (displayed in the message) containing the copy group failed. *Action* Check the OS system log, and if an error message related to the target physical drive was output, take action by following the message. If the operating status of the physical drive device is displayed as UNKNOWN, the physical drive device is hidden. Disable the hiding by specifying a backup ID or copy group. If the physical drive device is not hidden, change the configuration of both the CCI and storage system, and then confirm that each copy group volume is correctly mapped on the server as a physical drive device. *(For CLI)* *Cause* An attempt to update the disk signature has failed. *Action* Execute the `drmdevctl` command with the `-sigview` option specified, and see if the physical drive is displayed.

Message ID	Message Text	Description
		If the physical drive is displayed: An error occurred while attempting to write to the physical drive. Check the status of the physical drive. You cannot access the physical drive if the cluster software has set the status to offline. You cannot access if you do not have write permissions for the storage system (for example, when the copy groups are in the pair status). If the cause is other than above, examine the system log, check whether any messages have been output that show errors in the target physical drive, and then remove the cause of the error. If UNKNOWN is displayed for *physical-drive-name*: The physical drive might be concealed. Release the device with the backup ID or copy groups specified. If the physical drive has not been concealed, review the settings for RAID Manager as well as for the storage system, and then check whether the volume of the copy group has been mapped correctly to the physical drive of the server.
KAVX5140-I	The disk signature was updated. Physical drive name = *physical-drive-name*	*Cause* This message notifies that the disk signature has been updated successfully. *Action* Execute the `drmdevctl` command with the `-sigview` option specified, and reconfirm if the disk signature has been correctly updated.
KAVX5141-E	The disk signature cannot be updated using this backup information.	*(For GUI)* *Cause* The disk signature cannot be updated, because the signature has not been recorded in the replica history. *Action* Check the following: • Replica information

Message ID	Message Text	Description
		• Executing the `drmdevctl` command with the `-sigview` option displays a value other than `--------` as the backup disk signature If a replica history is for when a replica was created by an earlier version of Replication Manager Application Agent, the signature displayed is `--------`. Thus, the disk signature cannot be updated by specifying the replica information. To update the disk signature, you must specify a copy group. *(For CLI)* *Cause* The disk signature cannot be updated because it has not been recorded in the backup catalog. *Action* Execute the `drmdevctl` command with the `-sigview` option specified together with the backup ID, and then, for the backup disk signature, check whether the value displayed is `--------`. If the disk signature was updated in an earlier version of Replication Manager Application Agent, sometimes `--------` is displayed for the back up catalog. In such a case, the disk signature specified with the backup ID cannot be updated. Update the disk signature with a copy group specified.
KAVX5142-E	The specified disk signature argument is invalid. Argument = *argument*	*(For GUI)* *Cause* An invalid disk signature is specified as the command argument. *Action* The disk signature must be a hexadecimal number of no more than eight digits. The format of the specified disk signature depends on the drive partition style. MBR drive: 8-digit hexadecimal number GPT drive: GUID number

Message ID	Message Text	Description
		Specify the disk signature in an appropriate format, and then retry the command. *(For CLI)* *Cause* The specified command argument for the disk signature is invalid. The disk signature does not match the format set by the drive partition style. For an MBR disk: 8-digit, hexadecimal For a GPT disk: GUID format *Action* Specify a valid disk signature, and then re-execute the command.
KAVX5143-W	Current handles to the volume have been invalidated. Mount point name = *mount-point-name*	*Cause* This message is displayed when all open handles to the logical volume have been invalidated, and the processing has continued. *Action* Confirm whether the target volume is being used by another application. If another application is using the target volume, we recommend that you release the target volume from the application before executing the command.
KAVX5144-E	An attempt to invalidate current handles to the volume failed. Mount point name = *mount-point-name*	*(For GUI)* *Cause* An open handle for the logical volume could not be checked, or the system could not invalidate all of the open handles for the logical volume. *Action* Check whether the target volume is being used by another application. If it is being used, stop the application. If the target volume is not being used, check the system log, and then check whether the message that indicates the target volume error has been output. If any error message is found, resolve the error. *(For CLI)* *Cause* This message is displayed in either of the following conditions: • When an attempt to detect current handles to the logical volume fails.

Message ID	Message Text	Description
		• When an attempt to invalidate all open handles to the logical volume fails. *Action* Confirm whether the target volume is being used by another application. If another application is using the target volume, the target volume must be released from the application. If another application is not using the target volume, refer to the system logs, and use the error messages relating to the target volume in order to correct the cause of the error.
KAVX5145-E	The dirty bit is set for the logical volume. Volume name = *logical-volume-name*	*(For GUI)* *Cause* A cluster resource was placed offline and a dirty bit was specified in the logical volume. *Action* Perform the following procedure to repair the dirty bit, and then retry: 1. Confirm that the resource is offline. 2. Execute `CHKDSK /F /X` *logical-volume-name*. 3. Place the resource offline. *(For CLI)* *Cause* This message is displayed when the cluster resource is offline and the dirty bit is set for a logical volume. If the dirty bit is set for a logical volume, placing the cluster resource online fails and processing is canceled. *Action* Use the following procedure to clear the dirty bit, and then re-execute the command: 1. Confirm that the cluster resource is offline. 2. Execute the `CHKDSK` command. `CHKDSK /F /X` *logical-volume-name* 3. Place the cluster resource online.
KAVX5146-E	The secondary volume is mounted.	*(For GUI)* *Cause* A secondary volume is mounted.

Message ID	Message Text	Description
	Copy group name = *copy-group-name* Mount point = *name-of-mount-point-directory-on-backup-server*	*Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* The secondary volume is mounted. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX0006-E message, and then take appropriate action.
KAVX5147-E	The secondary volume is not hidden. Copy group name = *copy-group-name* Physical drive name = *physical-drive-name-on-backup-server* Serial Number = *serial-number* LDEV Number = *LDEV-number*	*(For GUI)* *Cause* A secondary volume drive is not hidden. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. If the copy group is defined by its virtual ID in the configuration definition file (`horcm`*n*`.conf`) of RAID Manager, then the serial number and LDEV number displayed in the message are virtual ID information. From the displayed virtual ID information, identify the physical ID information, and then take the appropriate action for the target resource. *(For CLI)* *Cause* The drive on the secondary volume is not hidden. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX0006-E message, and then take appropriate action.
KAVX5148-E	The secondary volume must be hidden because the primary volume is a cluster resource and the primary volume is paired with multiple	*(For GUI)* *Cause* This message indicates the reason for the KAVX5147-E error when the error is displayed.

Message ID	Message Text	Description
	generations of secondary volumes.	*Action* See the details message (which is output after this message) that caused KAVX5147-E and KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message indicates the cause that output the KAVX5147-E error message. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX5147-E and KAVX0006-E messages, and then take appropriate action.
KAVX5149-E	The secondary volume must be hidden because VSS backup is performed and the primary volume is paired with multiple generations of secondary volumes.	*(For GUI)* *Cause* This message indicates the reason the KAVX5147-E error is output. *Action* See the details message (which is output after this message) that caused KAVX5147-E and KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* This message indicates the cause that output the KAVX5147-E error message. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX5147-E and KAVX0006-E messages, and then take appropriate action.
KAVX5150-E	The secondary volume must be hidden because the primary volume is a dynamic disk and the primary volume is paired with multiple generations of secondary volumes.	*(For GUI)* *Cause* This message indicates the reason for the KAVX5147-E error when the error is displayed. *Action* See the details message (which is output after this message) that caused KAVX5147-E and KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause*

Message ID	Message Text	Description
		This message indicates the cause that output the KAVX5147-E error message. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX5147-E and KAVX0006-E messages, and then take appropriate action.
KAVX5151-E	The pair status on the secondary volume side is invalid. Copy group name = *copy-group-name* MU# of the secondary volume = *MU-number-of-secondary-volume* Pair status = *pair-status*	*(For GUI)* *Cause* The status of the copy group on a remote site is invalid. *Action* See the details message (which is output after this message) that caused KAVX5147-E and KAVX0006-E, and then take the appropriate action. *(For CLI)* *Cause* The status of the copy group at the remote site is incorrect. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX5147-E and KAVX0006-E messages, and then take appropriate action.
KAVX5152-I	An attempt to split pairs will now be performed because an error occurred during backup processing. Even if the attempt to split pairs fails, processing will continue.	*Cause* An error occurred when the backup command was executed with the `RECOVERY_MODE_ON_BACKUP_ABORTING=PAIRSPLIT` parameter coded in the RAID Manager linkage definition file (`DEFAULT.dat`). *Action* -
KAVX5153-I	An attempt to split pairs has been performed for all copy groups.	*Cause* An error occurred when the backup command was executed with the `RECOVERY_MODE_ON_BACKUP_ABORTING=PAIRSPLIT` parameter coded in the RAID Manager linkage definition file (`DEFAULT.dat`). *Action* -
KAVX5154-I	The copy group pair was split successfully.	*Cause*

Message ID	Message Text	Description
		The pair-split processing executed after outputting KAVX5152-I ended successfully. *Action* -
KAVX5155-W	An attempt to split a copy group pair has failed.	*Cause* The pair-split processing executed after outputting KAVX5152-I has failed. *Action* Check the pair status of the copy group that failed in the pair-split processing, and then split the pair if the status is PAIR.
KAVX5156-I	The backup catalog will now be exported. Host name = *host-name* Backup ID = *backup-ID*	*Cause* This message is output when export processing is performed. *Action* -
KAVX5157-I	The backup catalog was exported.	*Cause* This message is output when export processing has successfully ended. *Action* -
KAVX5158-I	The backup catalog will now be imported. Host name = *host-name*	*Cause* This message is output when connecting to the backup server and transferring and importing catalogs. *Action* -
KAVX5159-I	The backup catalog has been imported. Dictionary map file path = *dictionary-map-file-path* Imported backup ID = *imported-backup-id*	*Cause* The backup catalog on the backup server has been successfully imported. *Action* -
KAVX5160-E	Importing the backup catalog has failed.	*(For GUI)* *Cause* Importing the replica history on the backup server failed. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. After the replica is complete, try to import again.

Message ID	Message Text	Description
		(For CLI) *Cause* Importing the backup catalog on the backup server has failed. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX0006-E message, and then take appropriate action. Execute the `drmdbexport` and `drmdbimport` commands to perform the import processing again because the backup has finished.
KAVX5161-E	Exporting the backup catalog has failed.	*(For GUI)* *Cause* Exporting the replica history failed. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. After the replica is complete, try to import again. *(For CLI)* *Cause* Export of the backup catalog failed. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX0006-E message, and then take appropriate action. Execute the `drmdbexport` and `drmdbimport` commands to perform the import processing again because the backup has finished.
KAVX5162-I	The secondary volume will now be mounted. Host name = *host-name* Imported backup ID = *imported-backup-id*	*Cause* The secondary volume is mounted by connecting to the backup server. *Action* -
KAVX5163-I	The secondary volume has been mounted.	*Cause* The mount processing on the backup server has successfully ended. *Action* -
KAVX5164-E	Mounting the secondary volume failed.	*(For GUI)* *Cause*

Message ID	Message Text	Description
		A mount operation on the backup server failed. *Action* See the details message (which is output after this message) that caused KAVX0006-E, and then take the appropriate action. After the replica is complete, try to mount the replica history again. *(For CLI)* *Cause* The mount processing on the backup server has failed. *Action* Check the detailed message that is output after this message and indicates the cause of the KAVX0006-E message, and then take appropriate action. Execute the `drmmount` command to perform the mount processing again because the backup has finished.
KAVX5165-E	The DRM_DB_PATH has not been set in the configuration definition file (init.conf).	*(For GUI)* *Cause* No valid shared data path has been specified. *Action* Confirm that a shared data path has been specified. *(For CLI)* *Cause* There is no valid description of `DRM_DB_PATH` in the configuration definition file (`init.conf`). *Action* Make sure the `DRM_DB_PATH` is specified in the configuration definition file (`init.conf`).
KAVX5166-W	An attempt to confirm pair status has failed. Please confirm the pair status regardless of the success or failure of splitting pairs.	*Cause* The pair status confirmation executed after outputting the KAVX5152-I has failed. *Action* Check the pair status of the copy group whose pair you attempted to split, and then split the pair if the status is PAIR.

Message ID	Message Text	Description
KAVX5167-I	The setting that changes the pair status if a backup error occurs is now enabled.	*Cause* This message is output when all of the following conditions are satisfied: • The setting has been performed so that the pair status is changed when an error occurs in the RAID Manager linkage definition file (`DEFAULT.dat`) during backup processing. • Preparations have been completed for executing pair-split processing when an error occurs during backup processing. *Action* Pair-split processing is executed when an error occurs after this message.
KAVX5168-E	An error occurred during processing for a remote copy of the cascade configuration.	*Cause* An error occurred during processing for the copy group of the remote copy defined in the definition file for the cascade configuration. *Action* Check the detailed message, which indicates the cause of the KAVX0006-E message, that is output after this message and then take appropriate action.
KAVX5169-E	An error occurred during the processing for a disk group. Disk group name = *disk-group-name* Cause = *cause*	*(For GUI)* *Cause* An error occurred while processing a disk group. *Action* Confirm the message that describes possible causes, and then take the appropriate action to resolve the error. *(For CLI)* *Cause* An error occurred during processing for a disk group. *Action* Check the details about the cause of the problem, and then take the appropriate action.
KAVX5170-E	The format of the disk signature differs from the physical drive partition style. Disk signature = *disk-signature*	*(For GUI)* *Cause* The specified disk signature format and the target drive partition style are different.

Message ID	Message Text	Description
	Physical drive name = *physical-drive-name*	*Action* Specify the disk signature in a format that matches the drive partition style, and then retry the command. *(For CLI)* *Cause* An attempt to specify a disk signature failed because the disk signature format is different from the drive partition style. *Action* Specify a disk signature of the proper format for the drive partition style, and then re-execute the command.
KAVX5171-E	The physical drive partition style has been changed.	*(For GUI)* *Cause* The drive partition style recorded in the replica history and the current drive partition style are different. *Action* Confirm that the partition style for the replicated drive matches the current drive partition style, and then retry the command. *(For CLI)* *Cause* The drive partition style specified in the backup catalog is different from the current drive partition style. *Action* Make sure that the current drive partition style is the same as the drive partition style that was used when the backup was performed, and then re-execute the command.
KAVX5200-E	The Job scheduler command failed. Cause : *cause-description*	*Cause* An error occurred because the job scheduler command failed. *Action* Make sure to take the appropriate action based on the cause.
KAVX5201-E	The backup command failed. Command : *command-string*	*Cause* An error occurred because the backup command failed. *Action* Refer to the **Job Output** in the Backup Job Results window and take

Message ID	Message Text	Description
		appropriate action based on the message ID.
KAVX5202-I	The job scheduler started.	*Cause* The job scheduler started. *Action* -
KAVX5203-I	The Job scheduler ended normally.	*Cause* The job scheduler ended normally. *Action* -
KAVX5204-E	The command line format is invalid. Cause = *cause-description*	*Cause* An error occurred while invoking the job scheduler. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5205-I	The *operation-name* operation started.	*Cause* The operation started. *Action* -
KAVX5206-I	The *operation-name* operation ended normally.	*Cause* The operation ended normally. *Action* -
KAVX5207-E	The *operation-name* operation ended abnormally. Cause = *cause-description*	*Cause* An error occurred during the job operation. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5208-E	An attempt to open the configuration file has failed. File = *file-name* Cause = *cause-description*	*Cause* An error occurred while opening the configuration file. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5209-W	An attempt to read the schedule configuration file has failed. The default value will be loaded. File = *file-name* Cause = *cause-description*	*Cause* An error occurred while reading the configuration file. *Action* Take the appropriate action based on the cause indicated in the message.

Message ID	Message Text	Description
KAVX5210-E	An attempt to read the schedule configuration file has failed. File = *file-name* Cause = *cause-description*	*Cause* An error occurred while reading the schedule configuration file. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5211-E	An attempt to create { schedule map file | execution output log file } has failed. File = *file-name* Hostname = *host-name* Cause = *cause-description*	*Cause* Creating the schedule map file or execution log file has failed due to the cause indicated in the message. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5212-E	An attempt to open { schedule map file | execution output log file } has failed. File = *file-name* Hostname = *host-name* Cause = *cause-description*	*Cause* Opening the schedule map file or execution log file has failed due to the cause indicated in the message. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5213-E	An attempt to read the configuration file has failed. File = *file-name* Cause = *cause-description*	*Cause* An error occurred while reading the configuration file. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5214-E	An attempt to read the job information from { schedule map file | execution output log file } has failed. File = *file-name* Hostname = *host-name* Cause = *cause-description*	*Cause* Loading the schedule map file or execution log file failed due to the cause indicated in the message. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5215-E	An attempt to write the job information to { schedule map file | execution output log file } has failed. File = *file-name* Hostname = *host-name* Cause = *cause-description*	*Cause* Writing to the schedule map file or execution log file failed due to the cause indicated in the message. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5216-E	An attempt to delete the job information from { schedule map file | execution output log file } has failed. File = *file-name* Hostname = *host-name*	*Cause* An error occurred while information from the schedule map file or execution log file was deleted due to the cause indicated in the message. *Action*

Message ID	Message Text	Description
	Cause = *cause-description*	Take the appropriate action based on the cause indicated in the message.
KAVX5217-W	The value specified for the key in the schedule configuration file is incorrect. The default value will be loaded. Key = { MAX_JOB_REGISTRATION_COUNT | MAX_JOB_RESULT_COUNT } Cause = *cause-description*	*Cause* The default value will be loaded because an incorrect value is specified for the key in the schedule configuration file. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5218-E	An attempt to update the job has failed. Cause = *cause-description*	*Cause* An error occurred while updating the job. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5219-E	An attempt to update the job has failed due to a partial updation. Cause = *cause-description*	*Cause* An error occurred while updating the job because the schedule information and the task scheduler were partially updated. *Action* The schedule information is invalid for the job that was to be updated, so delete the job and create it again.
KAVX5220-E	An attempt to delete the job has failed due to a partial deletion. Cause = *cause-description*	*Cause* An error occurred while deleting the job because the schedule information and the task scheduler were partially deleted. *Action* The schedule information is invalid, so delete the job and create it again.
KAVX5222-E	An attempt to create a job in Task Scheduler has failed. Cause = *cause-description*	*Cause* An error occurred while creating the job in the task scheduler. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5223-E	An attempt to acquire job information from Task Scheduler has failed. Cause = *cause-description*	*Cause* An error occurred while acquiring the job information from the task scheduler. *Action* Take the appropriate action based on the cause indicated in the message.

Message ID	Message Text	Description
KAVX5224-E	An attempt to update job information in Task Scheduler has failed. Cause = *cause-description*	*Cause* An error occurred while updating the job information in the task scheduler. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5225-E	An attempt to update the job information in the Task Scheduler has partially failed. Cause = *cause-description*	*Cause* An error occurred while updating the job because the information in the task scheduler was partially updated. *Action* The schedule information is invalid for the job that was to be updated, so delete the job and create it again.
KAVX5226-E	An attempt to delete { schedule map file | execution output log file } has failed. File = *file-name* Hostname = *host-name* Cause = *cause-description*	*Cause* Deleting the schedule map file or execution log file failed due to the cause indicated in the message. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5227-I	The backup command started successfully. Command = *command-string*	*Cause* The backup command started successfully. *Action* -
KAVX5228-I	The backup command ended normally. Command = *command-string*	*Cause* The backup command ended normally. *Action* -
KAVX5229-E	An attempt to delete a job in Task Scheduler has failed. Cause = *cause-description*	*Cause* An error occurred while deleting a job in the task scheduler. *Action* Take the appropriate action based on the cause indicated in the message.
KAVX5230-E	An attempt to execute a job in Task Scheduler has failed. Cause = *cause-description*	*Cause* An error occurred while executing a job in the task scheduler. *Action* Take the appropriate action based on the cause indicated in the message.

Message ID	Message Text	Description
KAVX5400-I	Backup pre-processing will now be performed by using *host-name*.	*Cause* This message is displayed before preprocessing at a remote site, during backup of the cascade configuration. *Action* -
KAVX5401-I	Backup pre-processing was performed by using *host-name*.	*Cause* This message is displayed after preprocessing at a remote site, during backup of the cascade configuration. *Action* -
KAVX5402-E	Backup pre-processing was performed by using *host-name*.	*Cause* An error occurred during processing at a remote site, during backup of the cascade configuration. *Action* Check the message that is output after this message, remove the cause of the error at the remote site, and then re-execute the command. If a copy group had been locked at a remote site after the KAVX5402-E error message was output, unlock the copy group by using the `drmcgctl` command and then re-execute the command.
KAVX5403-I	Processing to resynchronize a copy group will now be performed by using *host-name*.	*Cause* This message is displayed before the copy group is resynchronized at a remote site, during backup of the cascade configuration. *Action* -
KAVX5404-I	Processing to resynchronize a copy group was performed by using *host-name*.	*Cause* This message is displayed after the copy group is resynchronized at a remote site, during backup of the cascade configuration. *Action* -
KAVX5405-I	Backup post-processing will now be performed by using *host-name*.	*Cause* This message is displayed before postprocessing at a remote site, during backup of the cascade configuration. *Action* -

Message ID	Message Text	Description
KAVX5406-I	Backup post-processing was performed by using *host-name*.	*Cause* This message is displayed after postprocessing at a remote site, during backup of the cascade configuration. *Action* -
KAVX5407-E	The virtual server name is not set for the environment variable DRM_HOSTNAME.	*(For GUI)* *Cause* The Replication Manager Application Agent environment is invalid. *Action* Update the configuration, and then retry the operation. If the problem persists, contact the Support Center. *(For CLI)* *Cause* The value for the environment variable DRM_HOSTNAME was not set when you attempted to back up the cascade configuration. *Action* Specify the name of the virtual server to be processed for the value of DRM_HOSTNAME, and then re-execute the command.
KAVX5408-E	The definition file for the cascade configuration does not exist. File name = *file-name*	*Cause* The definition file for the cascade configuration did not exist when the backup of the cascade configuration was executed. *Action* Check the following, and then re-execute the command: • Make sure the definition file for the cascade configuration exists. • Make sure the virtual server name specified for the environment variable DRM_HOSTNAME is correct. • Make sure you have access permissions for the definition file for the cascade configuration. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.

Message ID	Message Text	Description
KAVX5409-E	The content of the definition file for the cascade configuration is invalid. File name = *file-name* Section = *section* Parameter = *parameter* Detail = *detail*	*Cause* The contents of the definition file for the cascade configuration were invalid when the backup of the cascade configuration was executed. *Action* Correct the file contents, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
KAVX5410-E	A parameter required for the definition file for the cascade configuration is not defined. File name = *file-name* Section = *section* Parameter = *parameter*	*Cause* A necessary parameter for the definition file for the cascade configuration has not been defined. *Action* Correct the file contents, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
KAVX5411-E	A timeout occurred during processing at the remote site. Remote site = *host-name* Parameter name of timeout = *parameter-name-of-timeout*	*Cause* A time-out occurred in processing at a remote site, during backup of the cascade configuration. *Action* Change the time-out period specified in the definition file for the cascade configuration to a longer time than the expected necessary time, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
KAVX5412-I	The values in the following section of the definition file for the cascade configuration will be used. Local site = *site-name* Remote site = *site-name*	*Cause* This message is displayed if a valid section is enabled, during backup of the cascade configuration. *Action* -
KAVX5413-E	A remote copy cannot be the target of a backup in a cascade configuration.	*Cause* A remote copy was specified by using the `-rc` option, when a backup of a cascade configuration was executed. A backup of the cascade configuration can be executed for a local copy only.

Message ID	Message Text	Description
		Action Re-execute the command by one of the following methods: • Do not specify the `-rc` option. • In the `-rc` option, specify the generation identification name (local_X) that indicates a local copy.
KAVX5415-E	Information about the local site did not exist in the definition file for the cascade configuration. File name = *file-name*	*Cause* The section, for the local site, did not exist in the definition file for the cascade configuration when the backup of the cascade configuration was executed. *Action* Correct the file contents, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
KAVX5416-E	Information about the remote site did not exist in the definition file for the cascade configuration. File name = *file-name*	*Cause* The section, for the remote site, did not exist in the definition file for the cascade configuration when the backup of the cascade configuration was executed. *Action* Correct the file contents, and then re-execute the command. For details on the definition file for the cascade configuration, see the *Replication Manager Application Agent CLI User Guide*.
KAVX5417-E	An error occurred while reading the definition file for the cascade configuration. File name = *file-name*	*Cause* An error occurred in reading the definition file for the cascade configuration when the backup of the cascade configuration was executed. *Action* Make sure that you have access permissions for the definition file for the cascade configuration, and then re-execute the command.

Actions to be taken for certain messages

This section provides actions to be taken for certain messages.

Actions to be taken for KAVX5105-W

This section describes the cause when the message KAVX5105-W is output, and the actions to be taken.

To restore data backed up by TrueCopy or Universal Replicator, Replication Manager Application Agent restore the data in the secondary volume by using pair resynchronization, which swaps the primary and secondary volumes.

Replication Manager Application Agent restore the data backed up by TrueCopy or Universal Replicator as follows:

1. Swap the primary volume and secondary volume to resynchronize the pair.
2. Restore the data to the volume connected to the file server or the database server.
3. Swap the primary and secondary volumes again to return them to the original state.

If, however, an error occurs during restoration, the operations on the pair may be interrupted.

If the KAVX5105-W message is output, then the swapping of the secondary and primary volumes in step 3 has failed, so that the volume connected to the file server or the database server remains a secondary volume when the restoration finishes. Because the restoration of the volume connected to the file server or the database server has finished, operation on the volume from the file server or the database server is allowed while the actual primary volume is recognized as the secondary volume.

Under these conditions, you cannot execute Replication Manager Application Agent commands, such as a backup command, on this copy group.

First check the RAID Manager log information to identify the cause of the failure of the swapping of the primary and secondary volumes, remove the error, and then carry out the following procedures to restore the volume status:

To recover from failure of the swapping of the primary and secondary volumes:

1. Make sure that the RAID Manager instance managing both the primary and secondary volumes is running.
2. Set up the instance that manages the volumes connected to the file server or the database server, and the environment variable used to manipulate the pair volumes for TrueCopy or Universal Replicator.

   In the following example, the instance that manages RAID Manager is indicated by `HORCMINST=0`, and the environment variable that manipulate the pair volumes for TrueCopy or Universal Replicator is `HORCC_MRCF=`.

   ```
   PROMPT> set HORCMINST=0
   PROMPT> set HORCC_MRCF=
   ```
3. Check the copy group that was restored.

   In the following example, the copy group whose backup ID is `0000000001` was restored:

```
PROMPT > drmsqlcat default -backup_id 0000000001
INSTANCE: default
BACKUP-ID: 0000000001 BACKUP-MODE: ONLINE INSTANCE: default
ORIGINAL-ID: 0000000001
START-TIME: 2002/06/01 10:00:00 END-TIME: 2002/06/01 10:03:00
HOSTNAME: SQL1
T  DB   OBJECT    FILE              FS  DG  DEVICE     COPY-GROUP
M  DB1  METAFILE  C:\METADIR\Meta1 C:  -   -          -
D  DB1  DATAFILE  D:\SQL\data1     D:  -   Harddisk1  TC01,dev01
-  -    -         -                 -   -   -          TC01,dev01
PROMPT>
```

4. Check the pair status of the copy group.

   Make sure that the status of the primary volume is `PSUS`, and the status of the secondary volume is `SSWS`. In the example below, the copy group is indicated by `TC01` and `dev01`.

   ```
   PROMPT > pairdisplay -g TC01 -d dev01 -fc
   ```

5. Perform pair resynchronization on the copy group to swap the primary and secondary volumes, and then wait until the status changes to `PAIR`.

   ```
   PROMPT> pairresync -g TC01 -d dev01 -swaps
   PROMPT> pairevtwait -g TC01 -d dev01 -s pair -t 300
   ```

6. Check the pair status of the copy group.

   Make sure that the status of both the primary and secondary volumes are `PAIR`.

   ```
   PROMPT> pairdisplay -g TC01 -d dev01 -fc
   ```

7. Split the copy group pair, and wait until the status changes to `PSUS`.

   ```
   PROMPT> pairsplit -g TC01 -d dev01 -rw
   PROMPT> pairevtwait -g TC01 -d dev01 -s psus -t 300
   PROMPT> pairdisplay -g TC01 -d dev01 -fc
   ```

8. Check the pair status of the copy group.

   Make sure that the status of the primary volume is `PSUS`, and the status of the secondary volume is `SSUS`.

   ```
   PROMPT>pairdisplay -g TC01 -d dev01 -fc
   ```

Actions to be taken for KAVX5137-E or KAVX0006-E/DRM-10041

This section describes why the KAVX5137-E and KAVX0006-E/DRM-10041 messages are output, the corrective action to take if one of the messages is output, and how the outputting of the messages can be prevented.

If the KAVX5137-E or KAVX0006-E/DRM-10041 message is output, change the disk signatures of the secondary volumes on the backup server to appropriate values, and then restore the secondary volumes by using the file server or database server. For details about the restoration procedure, see (2) Restoration procedure (on the backup server) on page 2-2034 and (3) Restoration procedure (on the file server or database server) on page 2-2037.

(1) Cause

The KAVX5137-E or KAVX0006-E/DRM-10041 message is output when all of the following conditions are met:

- Either Microsoft Cluster Service or Microsoft Failover Cluster is used for the cluster software.
- Secondary volumes are used on the backup server.
- Backup data for multiple generations is stored on multiple secondary volumes.
- Multiple secondary volumes are recognized on the backup server.
- The same disk signature is used for multiple secondary volumes.

If secondary volumes containing backup data for the same primary volume have the same disk signatures, Windows on the backup server changes the disk signatures of the secondary volumes. In a cluster environment that uses Microsoft Cluster Service or Microsoft Failover Cluster, if the disk signatures of secondary volumes are changed, restore commands fail, causing the KAVX5137-E or KAVX0006-E/DRM-10041 message to be output.

Note, however, that the cause described here applies to the KAVX0006-E/DRM-10041 message only when the following events have been logged on the database server and backup server:

- Event log on the database server:
  Event ID: 1034
- Event log on the backup server:
  Event ID: 58

(2) Restoration procedure (on the backup server)

On the backup server, change the disk signatures of the secondary volumes to appropriate values.

In a Windows Server 2003 environment, perform only the procedure described in *Changing a disk signature*.

Procedure required before changing a disk signature

In a Windows Server 2008 or later environment, you must perform the following procedure to make sure that the disk statuses of secondary volumes is `Online` beforehand:

1. From the command prompt, execute the `inqraid $Phys -CLI` RAID Manager command to check the disk numbers of the secondary volumes whose disk signatures have been changed.
   The following shows an example of executing the `inqraid $Phys -CLI` command:

```
D:\HORCM\etc>inqraid $Phys -CLI
DEVICE_FILE     PORT    SERIAL  LDEV CTG  H/M/12  SSID R:Group
PRODUCT_ID
Harddisk1       CL1-D   77010114     0   -       -  0000 5:00-00
DF600F-CM
Harddisk2       CL1-D   77010114   803   -  s/S/ss  0000 5:00-00
DF600F
Harddisk3       CL1-D   77010114   804   -  s/S/ss  0000 5:00-00
DF600F
```

```
Harddisk4       CL1-D   77010114   805   -  s/S/ss  0000 5:00-00
DF600F
```

The values in the DEVICE_FILE column are the disk numbers.

2. Start the diskpart command.
3. Enter list disk to display the current disk statuses.

   Disks connected to the server are displayed in a list. The values in the Disk ### column are the disk numbers. Confirm that Offline is displayed under the Status column for the disks whose disk numbers match the disk numbers of the secondary volumes confirmed in step 1.
4. Perform the following operations for each target secondary volume whose disk status is Offline:

   - Enter select disk *disk-number*.

     The following message appears: Disk *disk-number* is now the selected disk
   - Enter online disk.

     The following message appears: DiskPart successfully placed the selected disk online.
   - Enter attributes disk clear readonly.

     The following message appears: Disk attributes cleared successfully.
   - Enter attributes disk.

     Confirm that the following is displayed: Read-only : No
5. Enter list disk to display the current disk statuses.

   Confirm that Online is displayed under the Status column for the secondary volume disks whose disk signatures have been changed.
6. Enter exit to terminate the diskpart command.

Changing a disk signature

To change the disk signature of a secondary volume on the backup server:

1. Check the disk signatures recorded in the backup catalogs.

   Execute the drmdevctl command with the -sigview option specified to check the disk signatures.

   The following shows an example of executing the drmdevctl command:

```
BKServer > drmdevctl 0000000001 -sigview
COPY_GROUP   DEVICE       TYPE   CUR_DISKID BKU_DISKID
VG01,dev01   Harddisk10   MBR    ABCDEF04   ABCDEF01
VG01,dev02   Harddisk11   MBR    ABCDEF05   ABCDEF02
VG01,dev03   Harddisk12   MBR    ABCDEF06   ABCDEF03
```

   The above example shows that the disk signature (CUR_DISKID) of the current point, and the disk signature (BKU_DISKID) recorded at the time of the backup, are different because the disk signature has been changed after the backup.

2. In regards to the disk signature recorded at the time of backup (BKU_DISKID), identify the backup catalog among all the backup catalogs in the system that has the value expected by the cluster.

   For the value expected by the cluster, see the description of event 1034 logged on the database server.

3. Change the disk signature of the secondary volume.

   Execute the drmdevctl command with the -sigset option specified to change the current disk signature to the disk signature that was recorded at the time of the backup, which was confirmed in step 3.

   The following shows an example of executing the drmdevctl command:

```
BKServer > drmdevctl 0000000001 -sigset
```

4. Confirm that the disk signature of the secondary volume has been successfully changed.

   Execute the drmdevctl command with the -sigview option specified.

   Always confirm that the disk signatures were successfully changed because Windows might re-change the disk signature if, for example, the same disk signature is already used for another drive.

   The following shows an example of executing the drmdevctl command:

```
BKServer > drmdevctl 0000000001 -sigview
COPY_GROUP   DEVICE       TYPE   CUR_DISKID BKU_DISKID
VG01,dev01   Harddisk10   MBR    ABCDEF01   ABCDEF01
VG01,dev02   Harddisk11   MBR    ABCDEF02   ABCDEF02
VG01,dev03   Harddisk12   MBR    ABCDEF03   ABCDEF03
```

Procedure required after changing a disk signature

In a Windows Server 2008 or later environment, use the following procedure to change the disk status of secondary volumes to Offline again:

1. Use the inqraid $Phys -CLI RAID Manager command to check the disk numbers of the secondary volumes whose disk signatures have been changed.

   The following shows an example of executing the inqraid $Phys -CLI command:

```
D:\HORCM\etc>inqraid $Phys -CLI
DEVICE_FILE     PORT    SERIAL  LDEV CTG  H/M/12  SSID R:Group
PRODUCT_ID
Harddisk1       CL1-D   77010114     0   -       -  0000 5:00-00
DF600F-CM
Harddisk2       CL1-D   77010114   803   -  s/S/ss  0000 5:00-00
DF600F
Harddisk3       CL1-D   77010114   804   -  s/S/ss  0000 5:00-00
DF600F
Harddisk4       CL1-D   77010114   805   -  s/S/ss  0000 5:00-00
DF600F
```

   The values in the DEVICE_FILE column are the disk numbers.

2. Start the diskpart command.

3. The disks connected to the server are displayed in a list. The values in the Disk ### column are the disk numbers. Confirm that Online is displayed

under the Status column for the disks whose disk numbers match the disk numbers of the secondary volumes confirmed in step 1.

4. Perform the following operations for each target secondary volume whose disk status is Online:
   - Enter select disk *disk-number*.
     The following message appears: Disk *disk-number* is now the selected disk
   - Enter offline disk.
     The following message appears: DiskPart successfully placed the selected disk offline.
5. Enter list disk to display the current disk statuses.
   Confirm that Offline is displayed under the Status column for the secondary volume disks whose disk signatures have been changed.
6. Enter exit to terminate the diskpart command.

(3) Restoration procedure (on the file server or database server)

The following describes how to restore secondary volumes by using RAID Manager commands on the file server or database server.

To restore secondary volumes:

1. Change the status of the cluster resource so that a secondary volume can be restored.

   When restoration was executed while the cluster resource is offline:

   Make sure that the status of the physical disk resource of the cluster resource is Offline or Failed.

   When restoration was executed while the cluster resource is online:

   Change the status of the physical disk resource of the cluster resource.

   In Windows Server 2003:

   Use the following procedure to change the status of the physical disk resource to Online (Ext Maintenance, Internal State 'Offline'):

   - Execute the following command to change the status of the physical disk resource from Online to Online (Maintenance):

   ```
   FSServer > CLUSTER RESOURCE "resource-name" /
   MAINTENANCEMODE:ON
   ```

   - Execute the following command to change the status of the physical disk resource from Online (Maintenance) to Online (Ext Maintenance, Internal State 'Offline'):

   ```
   FSServer > CLUSTER RESOURCE "resource-name" /
   EXTMAINTENANCEMODE:ON
   ```

   In Windows Server 2008 or later#:

   Execute the following command to change the status of the physical disk resource from Online to Online (Maintenance):

```
FSServer > CLUSTER RESOURCE "resource-name" /
MAINTENANCEMODE:ON
```

If the CLUSTER command returns system error code 997, wait a few seconds. Processing will terminate normally.

#: In Windows Server 2012, you must install the FailoverCluster-CmdInterface component.

2. Using the RAID Manager commands, restore the secondary volume.

After you use the pairdisplay command to check the pair status, execute the pairresync and pairsplit commands. Before executing the pairresync command, confirm that the pair status is PSUS-SSUS. Before executing the pairsplit command, confirm that the pair status is PAIR-PAIR.

The following shows an example of executing the pairresync command and pairsplit command:

```
FSServer > pairdisplay –g VG01
FSServer > pairresync -g VG01 -restore
FSServer > pairdisplay –g VG01
FSServer > pairsplit -g VG01
```

3. Place the cluster resources online.

When restoration was executed while the cluster resource is offline:

Launch the cluster administrator, and place all cluster resources in the cluster group online.

When restoration was executed while the cluster resource is online:

Change the status of the physical disk resource in the cluster resource.

In Windows Server 2003:

Use the following procedure to change the status of the physical disk resource to Online:

- Execute the following command to change the status of the physical disk resource from Online (Ext Maintenance, Internal State 'Offline') to Online (Maintenance):

```
FSServer > CLUSTER RESOURCE "resource-name" /
EXTMAINTENANCEMODE:OFF
```

- Execute the following command to change the status of the physical disk resource from Online (Maintenance) to Online:

```
FSServer > CLUSTER RESOURCE "resource-name" /
MAINTENANCEMODE:OFF
```

In Windows Server 2008 or later#:

Execute the following command to change the status of the physical disk resource from Online (Maintenance) to Online:

```
FSServer > CLUSTER RESOURCE "resource-name" /
MAINTENANCEMODE:OFF
```

If the CLUSTER command returns system error code 997, wait a few seconds. Processing will terminate normally.

#: In Windows Server 2012, you must install the FailoverCluster-CmdInterface component.

4. To make the restoration command executable, perform the following operation:

   If the backup is of an Exchange database:

   Start the system manager, and re-mount the information store.

   If the backup is of an SQL Server database:

   For the conditions that an SQL Server database must satisfy for command execution, see the *Replication Manager Application Agent CLI User Guide*.

5. Re-execute the restore command

   Re-execute the restore command of the Replication Manager Application Agent.

(4) Preventive measures

Do one of the following procedures to avoid the KAVX5137-E and KAVX0006-E/DRM-10041 error:

- Conceal all the secondary volumes from the backup server.

  To prevent disk signatures from being changed, before using Replication Manager Application Agent to perform backup and restore operations, execute the `drmdevctl` command for the entire system to conceal all secondary volumes. Note that because disk signatures are sometimes changed before secondary volumes are concealed from the backup server, after concealing the secondary volumes, create a backup of all the secondary volumes. When secondary volumes are concealed, they are overwritten. If the backing up of secondary volumes is necessary, back them up onto tapes or other recording media before concealing the secondary volumes.

  For details about how to conceal all secondary volumes from the backup server, see the *Replication Manager Application Agent CLI User Guide*.

- Check and update the disk signatures before restoring

  Before restoring secondary volumes, check whether disk signatures have been changed. If disk signatures have been changed, change them to unique values, and then perform a restoration. For details about how to check and change disk signatures, see (2) Restoration procedure (on the backup server) on page 2-2034 in *Changing a disk signature*.

Messages with IDs beginning with KDJE

This section describes messages related to Hitachi Command Suite Common Component.

KDJE40000 - KDJE49999

The following table describes messages related to Hitachi Command Suite Common Component.

Table 2-34 KDJE40000 - KDJE49999 (messages output by Hitachi Command Suite Common Component)

Message ID	Message Text	Description
KDJE41000-E	Failed to connect to Web container. errno=*aa...aa*, *bb...bb*, *cc...cc* *aa...aa*: System-specific error number *bb...bb*: Web container IP address used to communicate with the web server *cc...cc*: Web container port number used to communicate with the web server Output destinations: syslog/ Eventlog	An attempt to connect to the Web container has failed. Make sure that: 1. The worker port number is correct. 2. The worker host name or IP address is correct. 3. The queue for web container execution does not exceed the maximum limit. 4. The web container has started. Remove the cause of the error by following the error's system-specific error number (this is a value defined in `errno.h` in a UNIX system, and the return value of `WSAGetLastError()` in a Windows system).
KDJE41001-E	Redirection to worker *aa...aa* failed. *aa...aa*: Worker name Output destinations: syslog/ Eventlog	An error occurred while communicating with the worker. An error occurred while communicating to worker *aa...aa*. Follow the message last output (such as KDJE41000) to solve the problem.
KDJE41002-E	Could not redirect the request to worker. Because redirector could not access the definition file : *aa...aa* *aa...aa*: File name Output destinations: syslog/ Eventlog	The request could not be redirected to the worker because the redirector could not access the definition file. The definition file of *aa...aa* could not be accessed. Check the access permissions and whether the definition file exists, and restart the web server.
KDJE41003-W	Invalid parameter value is specified in *aa...aa* file : (*bb...bb*=*cc...cc*). Default parameter value is used : *dd...dd* *aa...aa*: File name *bb...bb*: Parameter name *cc...cc*: Value *dd...dd*: Default value Output destinations: syslog/ Eventlog	The value specified in the parameter is invalid. The default value will be used. To change the value of the *bb...bb* parameter of *aa...aa* file from the default value to an appropriate value, and restart the web server.
KDJE41004-E	Could not redirect the request to a worker because request header was too long.	The redirector could not make a request to the worker, because the header size of the HTTP request is too large.

Message ID	Message Text	Description
	Output destinations: syslog/ Eventlog	Remove the cause of the overly large HTTP request header, and re-access the worker. A possible cause is that the HTTP GET method is being used instead of the POST method.
KDJE41005-E	Could not redirect the request to a worker because worker name which is specified in the mapping definition file was not defined to worker.list parameter in the workers definition file. (worker name=*aa...aa*) *aa...aa*: Worker name Output destinations: syslog/ Eventlog	The redirector cannot redirect the request to the worker because the worker specified in the mapping definition file is not defined in the `worker.list` parameters. Specify the worker name (*aa...aa*) defined in the mapping definition file (default name: `uriworkermap.properties`) in the `worker.list` parameters of the worker definition file (default name: `uriworkermap.properties`), and restart the web server.
KDJE41006-E	Could not redirect the request to a worker because a required parameter was not specified in the workers definition file. (parameter=*aa...aa*) *aa...aa*: Parameter name Output destinations: syslog/ Eventlog	The redirector cannot redirect the request to the worker because a required parameter has not been specified in the worker definition file. Specify the *aa...aa* parameter in the worker definition file (default name: `workers.properties`), and restart the web server.
KDJE41007-E	Could not redirect the request to a worker because invalid value was specified in the workers definition file. (parameter=*aa...aa*,value=*bb...bb*) *aa...aa*: Parameter name *bb...bb*: Value Output destinations: syslog/ Eventlog	The redirector could not redirect the request to the worker because the parameter value specified in the worker definition file is invalid. Specify an appropriate value for the worker definition file (default name: `workers.properties`) parameter (*aa...aa*), and restart the web server.
KDJE41008-W	Invalid parameter value is specified in the workers definition file (parameter=*aa...aa*,value=*bb...bb*). Default parameter value is used : *cc...cc* *aa...aa*: Parameter name *bb...bb*: Value *cc...cc*: Default value Output destinations: syslog/ Eventlog	The parameter value specified in the worker definition file is invalid. The default value will be used. To change the worker definition file (default name: `workers.properties`) parameter (*aa...aa*) from the default value, specify an appropriate value in the *aa...aa* parameter, and restart the web server.
KDJE41009-E	Could not create worker because it is out of memory.	The worker could not be created because memory is insufficient.

Message ID	Message Text	Description
	Output destinations: syslog/ Eventlog	Memory has become insufficient. Secure more memory for the system, and restart the web server. This happens when a value specified in the worker definition `file` parameter (`worker.`*worker-name*`.cachesize`) is too large. The `worker.`*worker-name*`.cachesize` value consumes memory as per the following formula: Memory consumption = (`worker.`*worker-name*`.cachesize` value) * 10 kilobytes
KDJE41010-E	Failed to connect to web client. errno=*aa...aa* *aa...aa*: System-specific error number Output destinations: syslog/ Eventlog	An attempt to communicate with the client that submitted the requested has failed. The client who submitted the request may have stopped during communication. Remove the cause of the error by following the error's system-specific error number (this is the definition value of `errno.h` in a UNIX system, and the return value of `WSAGetLastError()` in a Windows system).
KDJE41012-E	The uri pattern that does not start with '/' was specified in the *aa...aa* file. This parameter is ignored(*bb...bb* to *cc...cc*). *aa...aa*: File name *bb...bb*: URI pattern *cc...cc*: Worker name Output destinations: syslog/ Eventlog	The URI pattern specified in the definition file does not start with the "`/`" character. This parameter will be ignored. To validate the specified URI pattern and worker name, start the *bb...bb* URI pattern of the *aa...aa* file with a "`/`" character, and restart the web server.
KDJE41016-E	Could not redirect the request because it is out of memory. Output destinations: syslog/ Eventlog	The redirector cannot transfer the request because memory is insufficient. Memory has become insufficient. Secure more memory for the system, and restart the web server.

Messages with IDs beginning with KFP*x*

This section describes messages related to HiRDB.

Details of KFP*x* messages

This section lists and describes the error messages related to HiRDB.

Table 2-35 Description of error messages output by HiRDB

Table	Table title	Table contents	Message description and action
Table 2-36 HiRDB messages (KFPH) on page 2-2045	HiRDB Messages (KFPH)	Messages are classified by prefix and described in each table.	Follow the instructions in the *Description and Action* column for each message.
Table 2-37 HiRDB messages (KFPO) on page 2-2046	HiRDB Messages (KFPO)		
Table 2-38 HiRDB messages (KFPR) on page 2-2048	HiRDB Messages (KFPR)		
Table 2-39 HiRDB messages (KFPS) on page 2-2048	HiRDB Messages (KFPS)		
Table 2-40 HiRDB messages (no action required) on page 2-2048	HiRDB Messages (which require no action)	Messages that are not output frequently are classified according to the required action, and listed in each table.	No action is required for the message.
Table 2-41 HiRDB messages (require collecting maintenance information and contacting customer support)	HiRDB Messages (which require collection of maintenance information, and contact to customer support)		Collect maintenance information, and then contact customer support.

Table	Table title	Table contents	Message description and action
on page 2-2050			
Table 2-42 HiRDB messages (require re-executing the operation) on page 2-2052	HiRDB Messages (which require re-execution of the operation)		Re-execute the operation in which an error occurred. If the same message is output, collect maintenance information, and then contact customer support.
Table 2-43 HiRDB messages (require restoring the database) on page 2-2053	HiRDB Messages (which require restoration of the database)	Messages that are not output frequently are classified according to the required action, and listed in each table.	Use the `hcmdsdb` command to restore the database by using the backup obtained by the `hcmdsbackups` command.
Table 2-44 HiRDB messages (require restarting the system and re-executing the operation) on page 2-2053	HiRDB Messages (which require the system to be restarted, and re-execution of the operation)		Stop the service programs of the Hitachi program products, restart the system, and then re-execute the operation. If the same message is output, collect maintenance information, and then contact customer support.

A HiRDB error message consists of a message ID and the error message text. The format is as follows:

- **Format:**

  `KFPA`*mmmmm-z message-text* (see Table 2-41 HiRDB messages (require collecting maintenance information and contacting customer support) on page 2-2050)

  `KFPC`*mmmmm-z message-text* (see Table 2-40 HiRDB messages (no action required) on page 2-2048 and Table 2-41 HiRDB messages (require collecting maintenance information and contacting customer support) on page 2-2050)

  `KFPD`*mmmmm-z message-text* (see Table 2-40 HiRDB messages (no action required) on page 2-2048 and Table 2-42 HiRDB messages (require re-executing the operation) on page 2-2052)

KFPH*mmmmm*-*z message-text* (see Table 2-36 HiRDB messages (KFPH) on page 2-2045, and Table 2-40 HiRDB messages (no action required) on page 2-2048 to Table 2-43 HiRDB messages (require restoring the database) on page 2-2053)

KFPI*mmmmm*-*z message-text* (see Table 2-42 HiRDB messages (require re-executing the operation) on page 2-2052 and Table 2-43 HiRDB messages (require restoring the database) on page 2-2053)

KFPK*mmmmm*-*z message-text* (see Table 2-41 HiRDB messages (require collecting maintenance information and contacting customer support) on page 2-2050)

KFPL*mmmmm*-*z message-text* (see Table 2-40 HiRDB messages (no action required) on page 2-2048 to Table 2-44 HiRDB messages (require restarting the system and re-executing the operation) on page 2-2053)

KFPO*mmmmm*-*z message-text* (see Table 2-37 HiRDB messages (KFPO) on page 2-2046 and Table 2-41 HiRDB messages (require collecting maintenance information and contacting customer support) on page 2-2050)

KFPR*mmmmm*-*z message-text* (see Table 2-38 HiRDB messages (KFPR) on page 2-2048, and Table 2-40 HiRDB messages (no action required) on page 2-2048 to Table 2-43 HiRDB messages (require restoring the database) on page 2-2053)

KFPS*mmmmm*-*z message-text* (see Table 2-39 HiRDB messages (KFPS) on page 2-2048 to Table 2-44 HiRDB messages (require restarting the system and re-executing the operation) on page 2-2053)

KFPU*mmmmm*-*z message-text* (see Table 2-40 HiRDB messages (no action required) on page 2-2048 to Table 2-42 HiRDB messages (require re-executing the operation) on page 2-2052)

KFPX*mmmmm*-*z message-text* (see Table 2-40 HiRDB messages (no action required) on page 2-2048 to Table 2-43 HiRDB messages (require restoring the database) on page 2-2053)

mmmmm is the message number, and *z* is one of the following message levels:

I: Information

Q: Question

W: Warning

E: Error

- **Output destination:**
  The error message is output to original log trace.

Table 2-36 HiRDB messages (KFPH)

Message ID	Message Text	Description
KFPH00135-E	*aa....aa* command failed, server = SDS01 *aa....aa*: Command name Output destination: original log trace	The server SDS01 could not execute the operation command *aa....aa*. The system cancels the operation from the server SDS01, and continues processing.

Message ID	Message Text	Description
		Re-execute the operation executed immediately before this message was output. If the same message is output, collect maintenance information, and then contact customer support.
KFPH20004-E	Server SDS01 termination failed, function=*aa....aa*, return code=*bbbb* *aa....aa*: Function resulting in the error *bbbb*: Return code Output destination: original log trace	During termination of the server SDS01, a *bbbb* error occurred in *aa....aa*. The system stops termination of the server SDS01. An operation submitted before termination of the server was submitted has not finished. Wait until the executing operation finishes, and then re-execute termination of the server. If the same message is output, collect maintenance information, and then contact customer support.
KFPH23006-E	Failed to allocate semaphore, errno=*aa....aa* *aa....aa*: Error cause code 4: The semaphore count per semaphore identifier exceeded the maximum value of the system. 8: The number of semaphores used by the entire system or the number of semaphore identifiers exceeded the maximum value of the system. Output destination: original log trace	An attempt to allocate the semaphore resource has failed. The system terminates abnormally. Restart the system. If the same message is output, collect maintenance information, and then contact customer support.

Table 2-37 HiRDB messages (KFPO)

Message ID	Message Text	Description
KFPO00113-E	"shmget(manager)" failed. size=*aa....aa*, errno=*bbb* *aa....aa*: Size of the shared memory to be obtained (in bytes) *bbb*: Value of errno for the shmget system call Output destination: original log trace	The `shmget` system call that was issued in order to obtain shared memory resulted in an error. The system terminates abnormally. Stop the service programs of the Hitachi Command Suite program products, restart the system, and then re-execute the operation. If the same message is output, take appropriate actions according to the value of `errno` for the `shmget` system call (see *Note*).
KFPO00114-E	"shmget(*aa....aa*)" failed. size=*bb....bb*, errno=*ccc* *aa....aa*: Server identifier	When obtaining the shared memory used by the server *aa....aa*, the `shmget` system call resulted in an error. The system terminates processing.

Message ID	Message Text	Description
	bb....bb Size of the shared memory to be obtained (in bytes) *ccc*: Value of errno for the shmget system call Output destination: original log trace	Stop the service programs of the Hitachi Command Suite program products, restart the system, and then re-execute the operation. If the same message is output, take appropriate actions according to the value of `errno` for the `shmget` system call (see *Note*).

Note: The table below shows the cause of the error and actions to be taken for each `errno`.

Errno	Cause		Action	
	Windows systems	Solaris, Linux systems	Windows systems	Solaris, Linux systems
12	Resources are insufficient.	The size of the shared memory to be obtained exceeds the memory size of the machine.	Check whether the performance of the system in which the Hitachi Command Suite program products are set up satisfies the requirements. If the system does not satisfy the requirements, tune it appropriately. If the system satisfies the requirements, collect maintenance information, and then contact customer support.	
22	A work file in the HiRDB installation directory might have been deleted while HiRDB was operating.	The size of the shared memory to be obtained exceeds the value specified in the OS kernel parameter `shmmax`.	Use the `hcmdssrv /stop` command to stop the Hitachi Command Suite Common Component service, and then use the `hcmdssrv /start` command to restart the Hitachi Command Suite Component service.	Solaris: Specify a larger value in the kernel parameter `shmsys:shminfo_shmmax`, and then restart the corresponding server. Linux: Specify a larger value in the kernel parameter `kernel.shmmax`, and then restart the corresponding server.
28	The capacity of the installation drive is insufficient.	The number of identifiers for the shared memory exceeds the maximum for the OS.	In the installation drive, reserve a space larger than the shared memory.	Perform the following: - Reduce the number of shared memory segments in a single machine - Increase the value specified in the kernel parameter `shmmni`.

Errno	Cause		Action	
	Windows systems	Solaris, Linux systems	Windows systems	Solaris, Linux systems
Others	---	---	Collect maintenance information, and then contact customer support.	

Table 2-38 HiRDB messages (KFPR)

Message ID	Message Text	Description
KFPR26032-E	Unable to remove temporary file, host=*aa....aa*, file=*bb....bb* *aa....aa*: Name of the host where the file that cannot be deleted is located *bb....bb*: Name of the file that cannot be deleted Output destination: original log trace	A temporary file cannot be deleted. The system continues processing. After the operation finishes, delete the file *bb....bb*. If the same message is output, collect maintenance information, and then contact customer support.
KFPR26243-E	Unable to remove temporary file, host=*aa....aa*, file=*bb....bb* *aa....aa*: Name of the host where the file that cannot be deleted is located *bb....bb*: Name of the file that cannot be deleted Output destination: original log trace	A temporary file cannot be deleted. The system continues processing. After the operation finishes, delete the file *bb....bb*. If the same message is output, collect maintenance information, and then contact customer support.

Table 2-39 HiRDB messages (KFPS)

Message ID	Message Text	Description
KFPS00719-E	Message output error. message ID= *aaa* *aaa*: Message ID of the message to be output Output destination: original log trace	Memory was insufficient when a message was output. The system continues processing. Stop the service programs of the Hitachi Command Suite program products, and then restart the system. Follow the instructions described in the *Description and Action* column for the message with the ID *aaa*.

Table 2-40 HiRDB messages (no action required)

Prefix	Message ID
KFPC	KFPC00101-I
KFPD	KFPD00029-W

Prefix	Message ID
KFPH	KFPH00035-W, KFPH00110-I, KFPH00115-I, KFPH00130-I, KFPH00134-I, KFPH00157-W, KFPH00210-I, KFPH00211-I, KFPH00212-I, KFPH00213-W, KFPH00372-I, KFPH20006-W, KFPH20007-W, KFPH20008-W, KFPH20009-W, KFPH20010-W, KFPH20015-I, KFPH22004-W, KFPH22012-W, KFPH22017-I, KFPH22019-I, KFPH22020-W, KFPH22021-W, KFPH22022-E, KFPH22023-W, KFPH22024-I, KFPH22030-W, KFPH22031-W, KFPH22034-W, KFPH23008-W, KFPH23013-W, KFPH23014-W, KFPH23017-W, KFPH23018-W, KFPH23024-I, KFPH23030-I, KFPH23201-W, KFPH23202-W, KFPH24004-I, KFPH26001-I, KFPH26010-I, KFPH29005-W, KFPH29006-W, KFPH29008-I
KFPL	KFPL00700-I, KFPL00701-I, KFPL00702-I, KFPL00703-I, KFPL00704-I, KFPL00705-I, KFPL00707-I, KFPL00708-I, KFPL00709-I, KFPL00710-I, KFPL00712-I, KFPL00713-I, KFPL00714-I, KFPL00715-I, KFPL00716-I, KFPL00717-I, KFPL00719-I, KFPL00720-I, KFPL00721-I, KFPL00722-I, KFPL00723-I, KFPL00724-I, KFPL00725-I, KFPL00726-I, KFPL00727-I, KFPL00728-I, KFPL00732-I, KFPL00733-I, KFPL00734-I, KFPL00735-I, KFPL00736-I, KFPL00738-I, KFPL00739-I, KFPL00750-I, KFPL00751-I, KFPL00800-I, KFPL00810-I, KFPL00900-I, KFPL22222-I, KFPL22223-I, KFPL25700-I, KFPL50000-I, KFPL50001-I
KFPR	KFPR00754-I, KFPR00756-I, KFPR00757-I, KFPR00758-I, KFPR00764-I, KFPR00765-I, KFPR00766-I, KFPR00767-I, KFPR00768-I, KFPR00786-I, KFPR16110-I, KFPR26022-I, KFPR26023-I, KFPR26028-I, KFPR26029-I, KFPR26052-I, KFPR26053-I, KFPR26057-I, KFPR26058-I, KFPR26060-I, KFPR26061-W, KFPR26062-W, KFPR26063-I, KFPR26109-I, KFPR26222-I, KFPR26233-I, KFPR26241-W, KFPR26257-I, KFPR26258-I, KFPR26262-W, KFPR26264-I, KFPR26265-I, KFPR26270-W, KFPR26272-W, KFPR26275-I, KFPR26276-I
KFPS	KFPS00056-I, KFPS00354-W, KFPS00441-I, KFPS00444-I, KFPS00446-W, KFPS00447-I, KFPS00450-W, KFPS00451-I, KFPS00610-I, KFPS00611-I, KFPS00847-W, KFPS00860-W, KFPS00958-I, KFPS00971-I, KFPS00972-I, KFPS00973-I, KFPS00980-W, KFPS00983-I, KFPS00985-I, KFPS00986-W, KFPS00988-I, KFPS00990-I, KFPS00991-I, KFPS00993-I, KFPS01001-I, KFPS01008-I, KFPS01011-I, KFPS01012-I, KFPS01041-I, KFPS01043-I, KFPS01044-I, KFPS01051-I, KFPS01060-I, KFPS01061-I, KFPS01062-I, KFPS01063-I, KFPS01104-W, KFPS01108-W, KFPS01109-W, KFPS01114-W, KFPS01116-W, KFPS01128-W, KFPS01130-W, KFPS01151-I, KFPS01152-W, KFPS01153-I, KFPS01154-I, KFPS01155-W, KFPS01156-I, KFPS01157-W, KFPS01161-I, KFPS01162-W, KFPS01163-W, KFPS01175-W, KFPS01182-I, KFPS01206-W, KFPS01211-I, KFPS01212-I, KFPS01213-W, KFPS01215-I, KFPS01216-I, KFPS01217-I, KFPS01218-I, KFPS01221-I, KFPS01222-I, KFPS01224-I, KFPS01225-I, KFPS01227-W, KFPS01228-W, KFPS01229-I, KFPS01234-I, KFPS01250-I, KFPS01252-I, KFPS01253-I, KFPS01255-W, KFPS01258-W, KFPS01262-I, KFPS01263-I, KFPS01265-I, KFPS01266-I, KFPS01269-I, KFPS01271-I, KFPS01278-W, KFPS01279-W, KFPS01800-I, KFPS01803-I, KFPS01813-I, KFPS01814-I, KFPS01819-I, KFPS01826-I, KFPS01830-I, KFPS01831-I, KFPS01832-I, KFPS01833-I, KFPS01836-W, KFPS01837-I, KFPS01838-W, KFPS01840-I, KFPS01842-I, KFPS01843-I, KFPS01849-W, KFPS01872-I, KFPS01877-I, KFPS01878-I, KFPS01888-W, KFPS01890-I, KFPS01894-I, KFPS01900-I, KFPS02101-I, KFPS02104-W, KFPS02105-W, KFPS02112-W, KFPS02118-I, KFPS02119-I, KFPS02122-W, KFPS02123-W, KFPS02124-W, KFPS02125-W, KFPS02127-W, KFPS02176-I, KFPS02177-I, KFPS02179-I, KFPS02181-I, KFPS02183-I, KFPS02185-I, KFPS02186-W, KFPS02187-I, KFPS02188-I, KFPS02189-W, KFPS02194-I, KFPS02195-W, KFPS02196-W, KFPS02240-W, KFPS04320-W, KFPS04321-W, KFPS04322-W, KFPS04323-W, KFPS04370-W, KFPS04371-W, KFPS04372-I,

Prefix	Message ID
	KFPS04373-I, KFPS04605-W, KFPS04620-I, KFPS04624-I, KFPS04629-I, KFPS04643-I, KFPS04644-I, KFPS04650-I, KFPS04651-W, KFPS04654-W, KFPS04660-I, KFPS04661-I, KFPS04663-W, KFPS04664-I, KFPS05024-I, KFPS05025-I, KFPS05048-Q, KFPS05072-W, KFPS05078-I, KFPS05110-I, KFPS05753-W
KFPU	KFPU00210-W, KFPU00211-W, KFPU00212-W
KFPX	KFPX14045-W, KFPX14046-W, KFPX14047-W, KFPX14078-W, KFPX14245-W, KFPX14246-W, KFPX14247-W, KFPX14250-I, KFPX18507-W, KFPX24012-I, KFPX24013-I, KFPX24212-I, KFPX24213-I, KFPX24225-I, KFPX24226-I, KFPX24237-I, KFPX24239-I, KFPX24261-I, KFPX24402-E, KFPX24404-I, KFPX28400-I, KFPX28401-I, KFPX28402-I

Table 2-41 HiRDB messages (require collecting maintenance information and contacting customer support)

Prefix	Message ID
KFPA	KFPA20005-E, KFPA20006-E
KFPC	KFPC00102-E, KFPC00103-I, KFPC00104-E
KFPD	KFPD00011-E, KFPD00013-E, KFPD00014-E, KFPD00024-W, KFPD00030-W
KFPH	KFPH00131-E, KFPH00133-E, KFPH00141-E, KFPH00142-E, KFPH00153-E, KFPH00154-E, KFPH00155-W, KFPH00156-E, KFPH20001-E, KFPH20011-E, KFPH20012-E, KFPH20013-E, KFPH20016-E, KFPH22005-E, KFPH22006-E, KFPH22007-E, KFPH22008-E, KFPH22009-E, KFPH22010-E, KFPH22011-E, KFPH22014-E, KFPH22015-E, KFPH22016-E, KFPH23001-E, KFPH23002-E, KFPH23009-E, KFPH23010-E, KFPH23011-W, KFPH23012-E, KFPH23015-E, KFPH23016-E, KFPH23021-E, KFPH23029-E, KFPH23031-E, KFPH23032-E, KFPH23033-E, KFPH23034-E, KFPH25101-E, KFPH26000-E, KFPH27000-E, KFPH27004-E, KFPH27009-E, KFPH27010-E, KFPH27011-E, KFPH27030-E, KFPH27032-E, KFPH28001-E
KFPK	KFPK00204-E
KFPL	KFPL10000-E, KFPL10001-E, KFPL10002-E, KFPL10003-E, KFPL10004-E, KFPL10005-E, KFPL10006-E, KFPL11111-E, KFPL15010-E, KFPL15030-E, KFPL15036-E, KFPL15046-E, KFPL15047-E, KFPL15052-E, KFPL15059-E, KFPL15060-E, KFPL15061-E, KFPL15062-E, KFPL15063-E, KFPL15064-E, KFPL15065-E, KFPL15066-E, KFPL15067-E, KFPL15068-E, KFPL15069-E, KFPL15070-E, KFPL15199-E, KFPL15224-E, KFPL15225-E, KFPL15226-E, KFPL15229-E, KFPL15231-E, KFPL15234-E, KFPL15246-E, KFPL15281-E, KFPL15282-E, KFPL15283-E, KFPL15288-E, KFPL15300-E, KFPL15301-E, KFPL15302-E, KFPL15305-E, KFPL15308-E, KFPL15310-E, KFPL15311-E, KFPL15312-E, KFPL15313-E, KFPL15314-E, KFPL15315-E, KFPL15316-E, KFPL15317-E, KFPL15318-E, KFPL15319-E, KFPL15321-E, KFPL15322-E, KFPL15323-E, KFPL15326-E, KFPL15331-E, KFPL15333-E, KFPL15334-E, KFPL15335-E, KFPL15336-E, KFPL15337-E, KFPL15338-E, KFPL15339-E, KFPL15340-E, KFPL15341-E, KFPL15342-E, KFPL15343-E, KFPL15344-W, KFPL15346-W, KFPL15347-E, KFPL15348-E, KFPL15349-E, KFPL16300-E, KFPL16310-E, KFPL16320-E, KFPL16321-E, KFPL16322-E, KFPL16323-E, KFPL16324-E, KFPL16325-W, KFPL16327-E, KFPL17000-E, KFPL17001-E,

Prefix	Message ID
	KFPL17010-E, KFPL20005-E, KFPL20090-E, KFPL20091-E, KFPL20100-E, KFPL22001-E, KFPL23100-E, KFPL23500-E, KFPL24100-E, KFPL24152-E, KFPL24500-E, KFPL24509-E, KFPL24510-E, KFPL25040-E, KFPL25200-E, KFPL25210-E, KFPL25212-E, KFPL25213-E, KFPL25222-W, KFPL25338-E, KFPL25339-E, KFPL25340-E, KFPL25342-E, KFPL25343-E, KFPL25344-E, KFPL25347-E, KFPL25352-E, KFPL25353-E, KFPL25354-E, KFPL25355-E, KFPL25356-E, KFPL25357-E, KFPL25358-E, KFPL25359-E, KFPL25710-E, KFPL25999-E, KFPL26339-E, KFPL26340-E, KFPL26342-E, KFPL27100-E, KFPL27500-E, KFPL28000-E, KFPL28002-E, KFPL28101-E, KFPL28102-E, KFPL28103-E, KFPL28104-E, KFPL51203-E
KFPO	KFPO00100-E, KFPO00109-E, KFPO00111-E, KFPO00112-E, KFPO00115-E
KFPR	KFPR16003-E, KFPR16014-E, KFPR16101-E, KFPR16102-E, KFPR16108-E, KFPR16126-E, KFPR16127-E, KFPR16128-E, KFPR16203-E, KFPR16214-E, KFPR16301-E, KFPR16302-E, KFPR16303-E, KFPR16308-E, KFPR16318-E, KFPR16328-E, KFPR16330-E, KFPR16333-E, KFPR16334-E, KFPR16338-E, KFPR16339-E, KFPR26003-E, KFPR26005-E, KFPR26006-E, KFPR26007-E, KFPR26008-E, KFPR26009-E, KFPR26010-E, KFPR26011-E, KFPR26012-E, KFPR26015-E, KFPR26016-E, KFPR26018-E, KFPR26020-E, KFPR26021-E, KFPR26024-E, KFPR26025-E, KFPR26026-E, KFPR26027-E, KFPR26030-E, KFPR26031-E, KFPR26033-E, KFPR26051-E, KFPR26054-E, KFPR26055-E, KFPR26056-E, KFPR26059-E, KFPR26110-E, KFPR26111-E, KFPR26203-E, KFPR26205-E, KFPR26206-E, KFPR26207-E, KFPR26208-E, KFPR26209-E, KFPR26210-E, KFPR26212-E, KFPR26215-E, KFPR26216-E, KFPR26218-E, KFPR26220-E, KFPR26221-E, KFPR26224-E, KFPR26225-E, KFPR26226-E, KFPR26227-E, KFPR26228-E, KFPR26229-E, KFPR26230-E, KFPR26232-E, KFPR26234-E, KFPR26235-E, KFPR26236-E, KFPR26237-E, KFPR26238-E, KFPR26239-E, KFPR26240-E, KFPR26242-E, KFPR26244-E, KFPR26254-E, KFPR26255-E, KFPR26273-E, KFPR26277-E, KFPR26280-E
KFPS	KFPS00345-W, KFPS00346-E, KFPS00347-E, KFPS00348-E, KFPS00349-E, KFPS00412-E, KFPS00440-W, KFPS00442-E, KFPS00448-E, KFPS00452-E, KFPS00612-E, KFPS00700-E, KFPS00701-E, KFPS00707-E, KFPS00709-E, KFPS00710-E, KFPS00712-E, KFPS00713-E, KFPS00714-E, KFPS00715-E, KFPS00717-E, KFPS00720-E, KFPS00722-E, KFPS00729-E, KFPS00803-E, KFPS00835-E, KFPS00840-E, KFPS00841-E, KFPS00850-E, KFPS00856-E, KFPS00857-E, KFPS00957-E, KFPS00961-E, KFPS00962-E, KFPS00992-E, KFPS01005-E, KFPS01006-E, KFPS01009-E, KFPS01010-E, KFPS01040-E, KFPS01042-E, KFPS01064-E, KFPS01070-E, KFPS01090-E, KFPS01121-E, KFPS01129-E, KFPS01150-E, KFPS01160-E, KFPS01220-E, KFPS01226-E, KFPS01275-E, KFPS01277-E, KFPS01301-E, KFPS01820-E, KFPS01823-E, KFPS01824-E, KFPS01835-E, KFPS01862-E, KFPS01864-E, KFPS01865-E, KFPS01866-E, KFPS01868-E, KFPS01874-E, KFPS01875-E, KFPS01891-E, KFPS01898-E, KFPS02102-E, KFPS02111-E, KFPS02126-E, KFPS02135-E, KFPS02137-E, KFPS02139-E, KFPS02141-E, KFPS02143-E, KFPS02144-E, KFPS02145-E, KFPS02147-E, KFPS02148-E, KFPS02149-E, KFPS02153-E, KFPS02154-E, KFPS02155-E, KFPS02156-E, KFPS02157-E, KFPS02158-E, KFPS02160-E, KFPS02173-E, KFPS02190-E, KFPS02256-E, KFPS03302-E, KFPS04621-E, KFPS04622-E, KFPS04623-E, KFPS04625-E, KFPS04670-E, KFPS05047-E, KFPS05076-E, KFPS05091-E, KFPS05100-E, KFPS05101-E, KFPS05102-E, KFPS05111-E, KFPS05236-E
KFPU	KFPU00215-E, KFPU00216-E, KFPU00217-E, KFPU00218-E, KFPU00219-E, KFPU00220-E, KFPU00222-E, KFPU00223-E, KFPU00240-E, KFPU00241-E, KFPU00242-E, KFPU00243-E, KFPU00244-E, KFPU00245-E, KFPU00246-E, KFPU00247-E, KFPU00248-E, KFPU00249-E, KFPU00250-E, KFPU00251-E

Prefix	Message ID
KFPX	KFPX14004-E, KFPX14017-E, KFPX14018-E, KFPX14019-E, KFPX14020-E, KFPX14023-E, KFPX14024-E, KFPX14025-E, KFPX14026-E, KFPX14027-E, KFPX14029-E, KFPX14030-E, KFPX14035-E, KFPX14051-E, KFPX14204-E, KFPX14217-E, KFPX14218-E, KFPX14220-E, KFPX14223-E, KFPX14224-E, KFPX14225-E, KFPX14226-E, KFPX14227-E, KFPX14229-E, KFPX14230-E, KFPX14235-E, KFPX14236-E, KFPX14238-E, KFPX14251-E, KFPX14253-E, KFPX14255-W, KFPX14259-E, KFPX14262-E, KFPX14268-W, KFPX14280-E, KFPX14302-W, KFPX18502-E, KFPX18506-E, KFPX18508-E, KFPX18550-E, KFPX18551-E, KFPX18555-E, KFPX18560-E, KFPX18562-E, KFPX18563-E, KFPX18566-E, KFPX24004-E, KFPX24005-E, KFPX24006-E, KFPX24007-E, KFPX24009-W, KFPX24011-W, KFPX24018-E, KFPX24019-E, KFPX24020-E, KFPX24022-E, KFPX24025-W, KFPX24026-E, KFPX24028-W, KFPX24029-W, KFPX24030-E, KFPX24202-E, KFPX24204-E, KFPX24205-E, KFPX24206-E, KFPX24207-E, KFPX24211-W, KFPX24218-E, KFPX24219-E, KFPX24220-E, KFPX24222-E, KFPX24223-E, KFPX24227-E, KFPX24228-E, KFPX24229-E, KFPX24230-E, KFPX24231-W, KFPX24232-E, KFPX24233-E, KFPX24234-E, KFPX24235-E, KFPX24236-E, KFPX24238-W, KFPX24240-W, KFPX24241-E, KFPX24242-W, KFPX24243-E, KFPX24244-I , KFPX24246-W, KFPX24262-E, KFPX24263-E, KFPX24264-E, KFPX24265-E, KFPX24266-E, KFPX24268-E, KFPX24269-E, KFPX24270-E, KFPX24271-E, KFPX24272-E, KFPX24273-E, KFPX24274-E, KFPX24275-E, KFPX24403-E, KFPX24407-E, KFPX24408-E, KFPX24409-E, KFPX24410-E, KFPX28405-E, KFPX28407-E, KFPX28502-E, KFPX28503-E, KFPX28504-W

Table 2-42 HiRDB messages (require re-executing the operation)

Prefix	Message ID
KFPD	KFPD00012-E, KFPD00020-E, KFPD00021-E
KFPH	KFPH00132-E, KFPH00145-E, KFPH20003-E, KFPH21001-E, KFPH22002-E, KFPH22013-E, KFPH23003-E, KFPH23004-E, KFPH23005-E, KFPH23025-E, KFPH23026-E, KFPH25002-E, KFPH27005-E, KFPH29009-W
KFPI	KFPI21582-E
KFPL	KFPL15040-E, KFPL15048-E, KFPL15240-E, KFPL20001-E, KFPL20003-E, KFPL20200-E, KFPL22000-E, KFPL25341-E
KFPR	KFPR16005-E, KFPR16205-E, KFPR26001-E, KFPR26002-E, KFPR26017-E, KFPR26201-E, KFPR26202-E, KFPR26217-E
KFPS	KFPS00430-E, KFPS00443-I, KFPS00460-E, KFPS00609-E, KFPS00703-E, KFPS00836-E, KFPS00854-W, KFPS00855-W, KFPS00888-W, KFPS00889-E, KFPS00900-I, KFPS00955-E, KFPS00965-E, KFPS01091-E, KFPS01099-E, KFPS01103-E, KFPS01113-E, KFPS01115-E, KFPS01125-E, KFPS01200-E, KFPS01201-E, KFPS01204-E, KFPS01205-E, KFPS01223-E, KFPS01274-E, KFPS01300-E, KFPS01303-E, KFPS01812-E, KFPS01844-E, KFPS01847-E, KFPS01861-E, KFPS01871-E, KFPS02182-E, KFPS02200-E, KFPS02210-E, KFPS02255-E, KFPS04652-E
KFPU	KFPU00221-E
KFPX	KFPX18410-E, KFPX24001-E, KFPX24015-E, KFPX24024-E, KFPX24201-E, KFPX24208-E, KFPX24215-E, KFPX24405-E

Table 2-43 HiRDB messages (require restoring the database)

Prefix	Message ID
KFPH	KFPH00306-E, KFPH00307-E, KFPH00308-E, KFPH00309-E, KFPH20005-E, KFPH22001-E, KFPH22003-E, KFPH22018-W, KFPH22025-E, KFPH22026-E, KFPH23007-E, KFPH23023-I, KFPH23100-E, KFPH23101-E, KFPH25000-E, KFPH25001-E, KFPH27006-E, KFPH27007-E, KFPH27008-E
KFPI	KFPI21561-E, KFPI21562-E
KFPL	KFPL20020-E
KFPR	KFPR26072-E
KFPS	KFPS01180-E, KFPS01181-E, KFPS01183-E, KFPS01184-E, KFPS01185-E, KFPS01202-E, KFPS01203-E, KFPS01251-E, KFPS01256-E, KFPS01257-E, KFPS01260-E, KFPS01261-E, KFPS01264-E, KFPS01267-E, KFPS01268-E, KFPS01270-E, KFPS01272-E, KFPS01273-E, KFPS01302-E, KFPS02174-E, KFPS02220-E
KFPX	KFPX24017-E, KFPX24217-E

Table 2-44 HiRDB messages (require restarting the system and re-executing the operation)

Prefix	Message ID
KFPL	KFPL20000-E, KFPL23000-E, KFPL23001-E
KFPS	KFPS00403-E, KFPS00705-E, KFPS00830-E, KFPS01821-E, KFPS01845-E, KFPS01846-E, KFPS01851-E, KFPS01870-E, KFPS02110-E, KFPS02114-E, KFPS02115-E, KFPS02159-E, KFPS02254-E, KFPS04655-E

Messages with IDs beginning with RPM

This section describes messages related to Replication Manager.

RPM-00000 - RPM-09999

The following table describes messages RPM-00000 to RPM-09999, which are related to Replication Manager.

Table 2-45 RPM-00000 - RPM-09999 (messages output by Replication Manager)

Message ID	Message Text	Description
RPM-00001	The selected volume is a command device. (volume = *Volume*)	*Cause* A command device has been selected. *Action*

Message ID	Message Text	Description
		Remove the indicated volume as a pair-operation target.
RPM-00002	The selected volume is used as a pool or journal volume. (volume = *Volume*)	*Cause* A pool volume or a journal volume has been selected. *Action* Remove the indicated volume as a pair-operation target.
RPM-00003	The selected volume is an unsupported storage volume. (volume = *Volume*)	*Cause* A storage volume for which pair specification is not supported has been selected. *Action* Remove the indicated volume as a pair-operation target.
RPM-00004	The selected volume has already been paired. (primary volume = *Primary Volume*, secondary volume = *Secondary Volume*)	*Cause* A volume that is already part of a volume pair has been selected. *Action* Remove the indicated volume as a pair-operation target.
RPM-00005	The selected volume has host I/O suppression mode enabled. (volume = *Volume*)	*Cause* A volume for which host I/O suppression mode is enabled has been selected. *Action* Disable host I/O suppression mode for the indicated volume. Alternatively, remove the indicated volume as a pair-operation target.
RPM-00006	The selected volume has been reserved by another workflow. (workflow = *Workflow Name*, volume = *Volume*)	*Cause* A volume reserved by another workflow has been selected. *Action* Remove the reserved volume as a pair-operation target. If you want to perform a pair operation on the reserved volume, delete the workflow, and then retry the operation.
RPM-00007	No pair management server exists that recognizes the command device of the storage system to which the selected volume belongs.	*Cause* There is no pair management server that recognizes the command device. *Action* Perform either of the following:

Message ID	Message Text	Description
		• Provide a pair management server that recognizes the command device, and have Replication Manager recognize it. • Disable security mode for the command device recognized by the pair management server, or allocate a pair volume to the pair management server.
RPM-00008	The selected volumes do not belong to the same storage system.	*Cause* Volumes that belong to different storage systems have been selected. *Action* Select volumes in the same storage system.
RPM-00009	The emulation type of the selected volume is not OPEN-V. (volume = *Volume*)	*Cause* A volume whose emulation type is not OPEN-V has been selected as the primary volume of the pair. *Action* Change the emulation type of the indicated volume to OPEN-V. Alternatively, remove the volume as a pair-operation target.
RPM-00010	No pool is set up for the controller of the selected volume. (volume = *Volume*)	*Cause* A volume for which no pool has been set up for the controller has been selected as the primary volume of the pair. *Action* Set up a pool for the controller of the indicated volume. Alternatively, remove the volume as a pair-operation target.
RPM-00011	The selected volume is a virtual volume. (volume = *Volume*)	*Cause* A virtual volume has been selected as the primary volume of the pair. *Action* Remove the indicated volume as a pair-operation target.
RPM-00012	The selected volume has the attribute S-VOL Disable. (volume = *Volume*)	*Cause* A volume for which the S-Vol Disable attribute is set has been selected. *Action* Clear the S-Vol Disable attribute of the indicated volume. Alternatively, remove the volume as a pair-operation target.

Message ID	Message Text	Description
RPM-00013	The selected volume is a virtual volume. (volume = *Volume*)	*Cause* A virtual volume is selected as the secondary volume of the pair. *Action* Remove the indicated volume as a pair-operation target.
RPM-00014	The selected volume is not a virtual volume. (volume = *Volume*)	*Cause* A volume that is not a virtual volume has been selected. *Action* Remove the indicated volume as a pair-operation target.
RPM-00015	The emulation type of the selected volume is not OPEN-V. (volume = *Volume*)	*Cause* A volume whose emulation type is not OPEN-V has been selected as the secondary volume of the pair. *Action* Change the emulation type of the indicated volume to OPEN-V. Alternatively, remove the volume as a pair-operation target.
RPM-00016	No pool is set up for the controller of the selected volume. (volume = *Volume*)	*Cause* A volume for which no pool has been set up for the controller has been selected as the secondary volume of the pair. *Action* Set up a pool for the controller of the indicated volume. Alternatively, remove the volume as a pair-operation target.
RPM-00017	The default port controller and current port controller of the selected volume do not match. (volume = *Volume*)	*Cause* A volume whose default port controller and current port controller do not match has been selected. *Action* Match the default port controller and the current port controller of the indicated volume. Alternatively, remove the volume as a pair-operation target.
RPM-00018	The emulation type of the primary volume differs from that of the secondary volume. (primary volume = *Primary Volume*, secondary volume = *Secondary Volume*)	*Cause* Volumes with different emulation types have been selected. *Action* Specify the same emulation type for the primary and secondary volumes.

Message ID	Message Text	Description
RPM-00019	The capacity or block size of the primary volume differs from that of the secondary volume. (primary volume = *Primary Volume*, secondary volume = *Secondary Volume*)	*Cause* The capacity or block size of the primary volume differs from that of the secondary volume. *Action* Select volumes that have the same capacity or block size.
RPM-00020	The default port controller of the primary volume differs from that of the secondary volume. (primary volume = *Primary Volume*, secondary volume = *Secondary Volume*)	*Cause* Volumes that have different default port controllers have been selected. *Action* Select volumes that have the same default port controller.
RPM-00021	The volumes selected as primary volumes include volumes with different CLPRs.	*Cause* The volumes selected as primary volumes include volumes whose CLPR is different. *Action* Select as primary volumes whose CLPR is the same.
RPM-00022	The volumes selected as secondary volumes include volumes with different CLPRs.	*Cause* The volumes selected as secondary volumes include volumes with different CLPRs. *Action* Select as secondary volumes whose CLPR is the same.
RPM-00023	The selected volumes do not belong to the same copy group.	*Cause* Volumes from different copy groups have been selected. *Action* Select volumes from the same copy group.
RPM-00024	The selected copy group includes storage volumes for which pair specification is not supported or storage volumes that are not managed by Replication Manager.	*Cause* A copy group that includes storage volumes for which pair specification is not supported or storage volumes that are not managed by Replication Manager has been selected. *Action* Make sure that all the volumes in the copy group are storage volumes for which pair specification is supported or storage volumes managed by Replication Manager, and then retry the operation.

Message ID	Message Text	Description
RPM-00025	The selected copy group includes more than one copy type.	*Cause* A copy group that includes multiple copy types has been selected. *Action* Make sure that the selected copy group does not include multiple copy types, and then retry the operation.
RPM-00026	No pair management server exists that recognizes the command device of the storage system to which volumes in the selected copy group belong.	*Cause* There is no pair management server that recognizes the command device. *Action* Make sure that a pair management server exists that recognizes the command device of the storage system to which the volumes of the copy group belong, and then retry the operation.
RPM-00027	The name of the copy group includes a space.	*Cause* The copy group name includes a space. *Action* Remove the space from the copy group name.
RPM-00028	A hash mark (#) or minus sign (-) has been used as the first character in the name of the copy group.	*Cause* A hash mark (#) or a minus sign (–) is used at the beginning of the copy group name. *Action* Delete the # or – from the beginning of the copy group name.
RPM-00029	The length of the name of the copy group exceeds 31 bytes.	*Cause* The copy group name contains more than 31 bytes. *Action* Use no more than 31 bytes for the copy group name.
RPM-00030	The instance number of the CCI / RAID Manager configuration definition file is outside the range 0-4094.	*Cause* The instance number of the configuration definition file is outside the range from 0 to 4094. *Action* Use a value in the range from 0 to 4094 as the instance number of the configuration definition file.

Message ID	Message Text	Description
RPM-00031	The UDP port number of the CCI / RAID Manager configuration definition file is outside the range 1-65535.	*Cause* The UDP port number of the configuration definition file is outside the range from 1 to 65535. *Action* Use a value in the range from 1 to 65535 as the UDP port number of the configuration definition file.
RPM-00032	The same CCI / RAID Manager configuration definition file has been selected for the primary and secondary sides.	*Cause* The same configuration definition file has been selected for the primary and secondary sites. *Action* Select a different configuration definition file for the primary and secondary sites.
RPM-00033	The CCI / RAID Manager configuration definition file is invalid.	*Cause* The configuration definition file is invalid. *Action* Verify that the configuration definition file is in a format supported by the Device Manager agent. If the configuration definition file was edited, refresh the storage system information, and then retry the operation.
RPM-00034	The UDP port number specified for the CCI / RAID Manager configuration definition file is already being used for another CCI / RAID Manager configuration definition file.	*Cause* A UDP port number that is already being used for another configuration definition file has been selected. *Action* Change the UDP port number.
RPM-00035	No pool volumes are registered in the specified pool.	*Cause* A pool in which no pool volumes have been registered has been selected. *Action* Select a pool in which pool volumes have been registered. Alternatively, register a pool volume in the specified pool.
RPM-00036	No journal volumes are registered in the specified journal group.	*Cause* A journal group in which no journal volumes have been registered has been selected. *Action*

Message ID	Message Text	Description
		Select a journal group in which journal volumes have been registered. Alternatively, register a journal volume in the specified journal group.
RPM-00037	The specified journal group is being used for a mainframe system.	*Cause* A journal group that is being used for a mainframe system has been specified. *Action* Specify a journal group that is not being used for a mainframe system.
RPM-00038	The specified journal group is being used for another copy group.	*Cause* A journal group that is being used for another copy group has been specified. *Action* Specify a journal group that is not being used for any other copy group.
RPM-00040	The attribute S-Vol Disable is specified for the secondary volume.	*Cause* The S-VOL Disable attribute is specified for the secondary volume. *Action* Clear the volume's S-VOL Disable attribute.
RPM-00041	The attribute S-Vol Disable is specified for the primary volume.	*Cause* The S-VOL Disable attribute is specified for the primary volume. *Action* Clear the volume's S-VOL Disable attribute.
RPM-00042	The information necessary for checking the pair settings does not exist.	*Cause* The information necessary for checking the pair settings could not be acquired because the configuration was changed or the information was not specified correctly. *Action* Update the configuration information, and then retry the operation. If you start the Pair Configuration Wizard from the *database-server-name* subwindow, which is opened from the Applications subwindow, the instance number might not have been set correctly in the Setup Application Agent window, which opens after you click the **Setup Agent** button. In the

Message ID	Message Text	Description
		Setup Application Agent window, specify the instance number of the configuration definition file to which the target copy group belongs.
RPM-00043	The selected volumes do not belong to the copy group.	*Cause* The pair settings cannot be specified because the selected volume does not belong to the copy group. *Action* Make sure that the volumes belong to a copy group, and then retry the operation.
RPM-00044	The selected copy group includes pairs with the same primary volume.	*Cause* A copy group that includes pairs with the same primary volume was selected. *Action* Make sure that the selected copy group does not include pairs that have the same primary volume, and then retry the operation.
RPM-00045	The selected copy group configuration is an unsupported configuration.	*Cause* The selected copy group belongs to a configuration that does not support pair settings. *Action* Make sure that the copy group is in a supported configuration, and then retry the operation.
RPM-00046	No remote path is set up from the storage system of the secondary volume to the storage system of the primary volume.	*Cause* No remote path is set up from the storage system of the secondary volume to the storage system of the primary volume. *Action* Set up a remote path from the secondary volume side storage system to the primary volume side storage system.
RPM-00047	No DMLU is set up to the selected storage system.	*Cause* No DMLU is set up for the selected storage system. *Action* Set up a DMLU for the selected storage system.
RPM-00048	No remote path is set up from the storage system of the primary volume to the storage	*Cause* No remote path is set up from the storage system of the primary volume

Message ID	Message Text	Description
	system of the secondary volume.	to the storage system of the secondary volume. *Action* Set up a remote path from the primary volume side storage system to the secondary volume side storage system.
RPM-00049	No bidirectional CU-Free remote path is set up between the storage system of the primary volume and the storage system of the secondary volume.	*Cause* No bidirectional CU-Free remote path is set up between the storage system of the primary volume and the storage system of the secondary volume. *Action* Set up a bidirectional CU-Free remote path between the primary volume side storage system and the secondary volume side storage system.
RPM-00050	The specified copy group name is already being used in the same CCI / RAID Manager configuration definition file. (pair management server = *Pair Management Server*, instance number = *Instance Number*, group name = *Group Name*)	*Cause* The specified copy group name is already being used in the same configuration definition file. *Action* If an attempt to create a task failed, change the specified copy group name or configuration definition file. If an attempt to execute a task failed, change the specified copy group name or configuration definition file, and then re-create the task.
RPM-00051	The specified pair name is already being used in the same CCI / RAID Manager configuration definition file. (pair management server = *Pair Management Server*, instance number = *Instance Number*, pair name = *Pair Name*)	*Cause* The specified pair name is already being used in the same configuration definition file. *Action* If an attempt to create a task failed, change the specified pair name or configuration definition file. If an attempt to execute a task failed, change the specified pair name or configuration definition file, and then re-create the task.
RPM-00052	Log file initialization failed. Log data will not be output to this log file. (log file path: *Log File Path*)	*Cause* Either the directory does not exist, or you do not have the write permission. *Action* Check the directory.

Message ID	Message Text	Description
RPM-00053	The selected volumes do not belong to the same prefix.	*Cause* Volumes that belong to different prefixes were selected. *Action* Select volumes that belong to the same prefix.
RPM-00054	The selected volumes do not belong to the same disk config.	*Cause* Volumes that belong to different disk configuration definition files were selected. *Action* Select volumes that belong to the same disk configuration definition files.
RPM-00055	The copy group contains a primary or secondary volume spanning multiple storage systems.	*Cause* A copy group in a configuration that does not support pair specification was selected. *Action* Make sure that the copy group is in a supported configuration, and then retry the operation.
RPM-00056	The selected group is a container.	*Cause* A container was selected. *Action* Select a copy group and then retry the operation.
RPM-00057	A copy group that cannot be edited is included.	*Cause* A copy group that cannot be edited is included. *Action* Exclude the copy group from the operation.
RPM-00059	The pairs or the copy group of storage that are not supported for pair operation are selected.	*Cause* The pairs or the copy group of a storage for which pair operations are not supported was selected. *Action* Make sure that the selected pairs or the pairs in the copy group are the pairs of a storage for which pair operations are supported, and then retry the operation.
RPM-00060	The Primary DAD or Secondary DAD of the selected copy group	*Cause* The Primary DAD or Secondary DAD for the specified copy group is not

Message ID	Message Text	Description
	has not been registered as a BCM initialization parameters. Register the relevant DAD as a BCM initialization parameters or distribute the DAD from a host registered in a BCM initialization parameters, and then retry execution.	registered in the BCM initial settings parameter. *Action* Either register the corresponding DAD in the BCM initial settings parameter, or distribute the DAD from the host registered in the BCM initial settings parameter, and then retry the operation.
RPM-00061	The DAD of the selected volume has not been registered as a BCM initialization parameters. Register the DAD as a BCM initialization parameters or distribute the DAD from a host registered in a BCM initialization parameters, and then retry execution.	*Cause* The DAD to which the specified volume belongs is not registered in the BCM initial settings parameter. *Action* Either register the corresponding DAD in the BCM initial settings parameter, or distribute the DAD from the host registered in the BCM initial settings parameter, and then retry the operation.
RPM-00062	The target copy pair or copy group was created by Mainframe Agent, so Replication Manager cannot be used to perform operations on it.	*Cause* Mainframe Agent was used to create the target copy pair or copy group. *Action* Use Business Continuity Manager to create the target copy pair or copy group, and then retry the operation.
RPM-00063	The selected volumes include both unpaired volumes and simplex volumes.	*Cause* The selected volumes include both unpaired volumes and simplex volumes. *Action* If you select multiple volumes to start the Pair Configuration Wizard, select either only unpaired volumes or only simplex volumes.
RPM-00064	More than *Manageable Generation Size* generations exist for a multi-target configuration.	*Cause* The maximum number of generations that Replication Manager can manage was exceeded. *Action* Decrease the number of generations for the multi-target configuration and then retry the operation.
RPM-00065	An existing task that corresponds to the instance (identified by the specified pair management server and instance number) uses a	*Cause* An existing task that corresponds to the instance (identified by the specified pair management server and

Message ID	Message Text	Description
	different UDP port number. Change the instance number or the UDP port number.	instance number) uses a different UDP port number. *Action* Change the instance number or the UDP port number.
RPM-00066	The ALU attribute has been set for the selected volume. (volume = *Volume*)	*Cause* A volume for which the `ALU` attribute is set has been selected. *Action* Remove the volume as a pair-operation target.
RPM-00067	Replication Manager failed to display a window because an operation to display another window was performed before Replication Manager had finished displaying a preceding window. Retry the operation, and then redisplay the window.	*Cause* Replication Manager failed to display a window because an operation to display another window was performed before Replication Manager had finished displaying a preceding window. *Action* Retry the operation, and then redisplay the window.
RPM-00068	The *Volume Attribute* attribute is set for the selected volume. (volume = *Volume*)	*Cause* A volume that has an attribute that is not supported for pair operations is selected. *Action* Remove the volume as a pair-operation target.
RPM-00400	Access permission for the specified user is invalid.	*Cause* There is no access permission for Device Manager. *Action* You must specify a user account which has the Modify permission for Device Manager and for which *All Resources* has been assigned as a resource group. If an error occurs even though you have the appropriate permissions, contact the Support Center.
RPM-00412	An attempt to acquire copy pair information has failed.	*Cause* An attempt to acquire the target copy pair information failed because another client deleted the storage settings. *Action* Use Web Client in Replication Manager to refresh all the storage system

Message ID	Message Text	Description
		information, and then retry the operation.
RPM-00429	Resource information might already have been deleted.	*Cause* Resource information might have already been deleted. *Action* Check whether the resource information exists. If it does, refresh the storage system information, and then refresh the configuration.
RPM-00430	The EXCTG settings are invalid.	*Cause* The EXCTG settings are invalid. *Action* When operation targets are copy groups, clear all the settings for EXCTG. When operation targets are containers, add information necessary for the EXCTG setting by using Business Continuity Manager and refresh configuration information.
RPM-00431	An attempt to acquire Device Manager settings information has failed.	*Cause* An attempt to acquire the Device Manager settings has failed. *Action* Check the Device Manager settings, update the configuration, and then retry the operation. If the error occurs again, contact the Support Center.
RPM-00432	An attempt to acquire Business Continuity Manager settings information has failed.	*Cause* An attempt to acquire the Business Continuity Manager settings has failed. *Action* Check the Business Continuity Manager settings, update the configuration, and then retry the operation. If the error occurs again, contact the Support Center.
RPM-00433	Device Manager refresh processing has timed out. (timeout = *Time out period* minutes)	*Cause* The processing time to refresh storage in Device Manager exceeded the timeout period of Replication Manager. *Action* For the storage systems managed by Replication Manager, determine the

Message ID	Message Text	Description
		longest processing time that Device Manager takes to refresh the storage information of a storage system. Then, in `base.properties` in the base.refreshstorage.polling.timeout file, specify a value greater than the longest processing time.
RPM-00434	The requested processing cannot be executed because processing is stopping.	*Cause* The processing was requested during stop processing of Replication Manager. Alternatively, the processing was requested for a deleted information source. *Action* Make sure that Replication Manager is active and that the information source has not been deleted, and then retry the operation.
RPM-00435	An attempt to acquire information necessary refresh processing has failed.	*Cause* An attempt to acquire information necessary for refresh processing has failed. *Action* Retry the operation. If the problem persists, refresh the storage system information, and then retry the operation.
RPM-00436	Processing was canceled.	*Cause* Processing was canceled due to one of the following operations: • Stopping Replication Manager • Switching from maintenance mode to normal mode, or vice versa • Deleting an information source *Action* No action is required.
RPM-00440	The name of the resource group is invalid.	*Cause* The name of the resource group is invalid. *Action* Check and correct the specified value, and then retry the operation.
RPM-00441	The description of the resource group is invalid.	*Cause* The description of the resource group is invalid. *Action*

Message ID	Message Text	Description
		Check and correct the specified value, and then retry the operation.
RPM-00442	The name of the site is invalid.	*Cause* The name of the site is invalid. *Action* Check and correct the specified value, and then retry the operation.
RPM-00443	The description of the site is invalid.	*Cause* The description of the site is invalid. *Action* Check and correct the specified value, and then retry the operation.
RPM-00444	The workflow cannot be deleted due to its status.(workflow name = *Workflow*)	*Cause* The status of the workflow does not allow the workflow to be deleted. *Action* Check and correct the status of the workflow, and then retry the operation.
RPM-00445	The workflow cannot be edited due to its status.(workflow name = *Workflow*)	*Cause* The status of the workflow does not allow the workflow to be edited. *Action* Check and correct the status of the workflow, and then retry the operation.
RPM-00446	You do not have the user permissions required to delete the workflow. (workflow name = *Workflow*)	*Cause* You do not have the user permissions required to delete the workflow. *Action* Check and correct the user permissions, and then retry the operation.
RPM-00447	You do not have the user permissions required to edit the workflow. (workflow name = *Workflow*)	*Cause* You do not have the user permissions required to edit the workflow. *Action* Check and correct the user permissions, and then retry the operation.
RPM-00448	Workflows cannot be created because the number of registered workflows exceeds the maximum. (maximum = *Number of Workflow*)	*Cause* No more workflows can be created. *Action*

Message ID	Message Text	Description
		Check and correct the number of registered workflows, and then retry the operation.
RPM-00449	Tasks cannot be created because the number of registered tasks exceeds the maximum. (maximum = *Number of Task*, current = *Number of current Tasks* , adding attempted = *Number of adding Tasks*)	*Cause* No more tasks can be created. *Action* Check and correct the number of tasks shown in the details, and then try again.
RPM-00450	The storage system "Storage System" and port/Host Group/LUN "{*Port*|*Host Group*|*LUN*}" are already being used for a workflow.	*Cause* The LUN for the storage system is already being used for another workflow. *Action* Either delete the workflow to which the corresponding LUN belongs, or remove the corresponding LUN from the pair operation target, and then retry the operation, if necessary.
RPM-00451	You do not have the proper permissions for this operation, or access to the resource is restricted by the resource group.	*Cause* You do not have the proper permissions for this operation, or access to the resource is restricted by the resource group. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. If you do not have the proper permissions for the operation, specify a different resource, or acquire the required role or a higher role for the specified resource. If access to the resource is restricted by the resource group, specify another resource, or acquire the required access permissions for the specified resource. Only Replication Manager users with Admin permissions for a resource can perform the above settings. If a Replication Manager license is not set, Device Manager users with the Admin role for the target resource can set access permissions for the resource.
RPM-00452	The specified site has already been deleted.	*Cause* The specified site has already been deleted.

Message ID	Message Text	Description
		Action Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00453	Resources that have already been registered to another site exist.	*Cause* Some resources already belong to another site. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00454	The specified resource group has been already deleted.	*Cause* The resource group has already been deleted. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00455	Resources that have already been registered to another resource group exist.	*Cause* Some resources already belong to another resource group. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00456	An unauthorized resource was specified.	*Cause* An operation was attempted for an authorized resource. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. If you do not have the proper permissions for the operation, specify a different resource, or acquire the Modify role or a higher role for the specified resource. If access to the resource is restricted by the resource group, specify another resource, or acquire the required access

Message ID	Message Text	Description
		permissions for the specified resource. Only Replication Manager users with Admin permissions for a resource can perform the above settings. If a Replication Manager license is not set, Device Manager users with the Admin role for the target resource can set access permissions for the resource.
RPM-00457	The same copy group included in the specified LUN does not exist.	*Cause* The same copy group does not belong to the specified LUN. *Action* Specify a LUN that belongs to the same copy group.
RPM-00458	The specified pair group already exists in the topology.	*Cause* The specified pair group already exists in the topology. *Action* Specify the name of a pair group that does not already exist in the topology.
RPM-00459	The specified copy type is invalid.	*Cause* The specified copy type is invalid. *Action* Check and correct the pair configuration of the group, and then retry the operation.
RPM-00460	The name of the pair group is invalid.	*Cause* The pair group name is invalid. *Action* Check and correct the specified value, and then retry the operation.
RPM-00461	The specified group is in a configuration that cannot be deleted.	*Cause* The specified group is in a configuration that cannot be deleted. *Action* Check the configuration of the specified group. Delete the pair group if the configuration is either of the following: When the configuration includes only one pair group: Create a new pair group by using the same LUN as the primary LUN of the pair group that you want to delete, and then delete the pair group.

Message ID	Message Text	Description
		When the configuration includes a child group: Delete any child groups of the pair group that you want to delete, and then delete the pair group.
RPM-00462	The specified pair group has already been assigned to a copy group.	*Cause* The specified pair group has already been assigned to a copy group. *Action* No action is required.
RPM-00463	The specified pair group has already been released.	*Cause* The specified pair group has already been released. *Action* No action is required.
RPM-00464	The name of the copy group is invalid.	*Cause* The copy group name is invalid. *Action* Check and correct the specified value, and then retry the operation.
RPM-00465	The same LUN has already been added to the Copy Pair List.	*Cause* The same LUN already exists in the Copy Pair List. *Action* Specify a LUN that does not exist in the Copy Pair List.
RPM-00466	The specified number of secondary LUNs does not match the number of primary LUNs.	*Cause* The specified number of secondary LUNs does not match the number of primary LUNs. *Action* Specify the same number of secondary and primary LUNs.
RPM-00467	A secondary LUN already exists in the specified pair.	*Cause* A secondary LUN already exists in the specified pair. *Action* Specify a copy pair that does not include a secondary LUN, and then retry the operation.
RPM-00468	The pair name is invalid.	*Cause* The pair name is invalid. *Action*

Message ID	Message Text	Description
		Check and correct the specified value, and then retry the operation.
RPM-00469	The specified LUN does not exist in the Copy Pair List.	*Cause* The specified LUN does not exist in the copy pair list. *Action* Check and correct the status of the copy pair list, and then retry the operation.
RPM-00470	An attempt to specify the type of task operation has failed.	*Cause* An attempt to specify the type of task operation has failed. *Action* Check and correct the specified value, and then retry the operation.
RPM-00471	An attempt to specify a specifiable command option has failed.	*Cause* An attempt to specify a specifiable command option has failed. *Action* Check and correct the type of the task operation, and then retry the operation.
RPM-00472	The specified value for the command option is invalid. (option name = *Option name*)	*Cause* The value of the specified command option is invalid. *Action* Check and correct the specified value, and then retry the operation.
RPM-00473	An attempt to acquire the value of an unspecifiable command option has failed. (option name = *Option name*)	*Cause* An attempt to acquire the value of an unspecifiable command option has failed. *Action* Check which command options are valid and correct any that are invalid, and then retry the operation.
RPM-00474	The specified journal group ID is not registered.	*Cause* The specified journal group ID is not registered. *Action* Check and correct the specified journal group ID, and then retry the operation.
RPM-00475	The specified pool ID is not registered.	*Cause* The specified pool ID is not registered.

Message ID	Message Text	Description
		Action Check and correct the specified pool ID, and then retry the operation.
RPM-00476	An operation was attempted for a resource that has already been deleted from the system.	*Cause* The specified resource has already been deleted from the system. *Action* Refresh the window, and then retry the operation. If the problem has not been resolved, refresh the configuration to show the latest information.
RPM-00477	The specified task execution request time is invalid.	*Cause* The specified task execution request time is invalid. *Action* Revise the specified task execution request time, and then retry the operation.
RPM-00478	An operable copy pair does not exist.	*Cause* No copy pairs that can be operated upon exist. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After verifying that the copy pair is displayed, refresh the copy pair status and verify that the copy pair is in an operable status.
RPM-00479	A selectable copy type does not exist.	*Cause* No selectable copy types exist. *Action* Check the configuration of the copy group you want to create.
RPM-00480	Asynchronous remote copy pairs for 3DC Delta Resync must be created after creating other remote copy pairs in the same 3DC multi-target configuration.	*Cause* Asynchronous remote copy pairs for 3DC Delta Resync must be created after creating other remote copy pairs in the same 3DC multi-target configuration. *Action* Create asynchronous remote copy pairs for 3DC Delta Resync after creating other remote copy pairs in

Message ID	Message Text	Description
		the same 3DC multi-target configuration.
RPM-00481	The specified MCU is already connected to the maximum number of RCUs.	*Cause* The specified MCU is already connected to the maximum number of RCUs. *Action* The number of RCUs connected to the MCU has reached the maximum number possible. Revise the number of RCUs that are connected.
RPM-00482	The specified RCU is already connected to the maximum number of MCUs.	*Cause* The specified RCU is already connected to the maximum number of MCUs. *Action* The number of MCUs connected to the RCU has reached the maximum number possible. Revise the number of MCUs that are connected.
RPM-00483	The specified SSID or path group ID is already registered.	*Cause* The value set for the SSID or path group ID is invalid. *Action* Set a unique value for the SSID or path group ID.
RPM-00484	Another pair is associated with the selected path.	*Cause* Another pair is associated with the selected path. *Action* Delete the associated pair, and then retry the operation.
RPM-00485	The local storage system is already connected to the maximum number of remote paths.	*Cause* The local storage system is already connected to the maximum number of remote paths. *Action* The number of remote paths connected to the local storage system has reached the maximum number of remote paths that can be set. Revise the number of remote paths.
RPM-00486	The selected remote storage system is already connected to the maximum number of remote paths.	*Cause* The selected remote storage system is already connected to the maximum number of remote paths. *Action*

Message ID	Message Text	Description
		The number of remote paths registered to the remote storage system has reached the maximum number of remote paths that can be set. Revise the number of remote paths.
RPM-00487	The function cannot be executed because the version of Device Manager is old.	*Cause* The version of Device Manager does not support the function. *Action* Check the prerequisite version of Device Manager. If an older version is being used, upgrade the Device Manager version to a version that supports the function.
RPM-00488	The same MCU - RCU combination already exists.	*Cause* The same MCU - RCU combination already exists. *Action* The same MCU - RCU combination already exists. Revise the MCU and RCU settings.
RPM-00489	The specified port has already been added.	*Cause* The specified port has already been added. *Action* Revise the port information, and then retry the operation.
RPM-00490	The specified port has already been deleted.	*Cause* The specified port has already been deleted. *Action* Revise the port information, and then retry the operation.
RPM-00491	An attempt was made to set nine or more remote paths.	*Cause* An attempt was made to set nine or more remote paths. *Action* The maximum number of remote paths that can be set is 8. Revise the number of remote paths.
RPM-00492	An attempt was made to set 0 remote paths.	*Cause* An attempt was made to set 0 remote paths. *Action*

Message ID	Message Text	Description
		The number of remote paths cannot be set to 0. Revise the number of remote paths.
RPM-00493	Any port related to an Local(Initiator) port cannot be specified as an Local(RCU Target) port.	*Cause* Any port related to an Local(Initiator) port cannot be specified as an Local(RCU Target) port. *Action* Revise the port information, and then retry the operation.
RPM-00494	Any port related to an Remote(RCU Target) port cannot be specified as an Remote(Initiator) port.	*Cause* Any port related to an Remote(RCU Target) port cannot be specified as an Remote(Initiator) port. *Action* Revise the port information, and then retry the operation.
RPM-00495	The specified local storage system is already acting as a remote storage system in a Remote Path and is connected to maximum number of remote paths.	*Cause* The local storage system is already operating as a remote storage system to which the maximum number of paths are connected. *Action* Review the settings of the local and remote storage systems, and then retry the operation.
RPM-00496	The specified remote storage system is already acting as a local storage system in a Remote Path and is connected to maximum number of remote paths.	*Cause* The remote storage system is already operating as a local storage system to which the maximum number of paths are connected *Action* Review the settings of the local and remote storage systems, and then retry the operation.
RPM-00497	The specified remote storage system is already acting as a remote storage system in a Remote Path and is connected to maximum number of remote paths.	*Cause* The remote storage system is already operating as a local storage system to which the maximum number of paths are connected. *Action* Review the settings of the local and remote storage systems, and then retry the operation.
RPM-00498	The specified local storage system is already acting as a remote storage system in a	*Cause* The local storage system cannot be set as a local storage system because it is already operating as a remote

Message ID	Message Text	Description
	Remote Path and can not act as a local storage system.	storage system to which the maximum number of paths are connected. *Action* Review the settings of the local and remote storage systems, and then retry the operation.
RPM-00499	The specified remote storage system is already acting as a local storage system in a Remote Path and can not act as a remote storage system.	*Cause* The remote storage system cannot be set as a remote storage system because is already operating as a local storage system. *Action* Review the settings of the local and remote storage systems, and then retry the operation.
RPM-00500	An attempt to acquire information necessary for pair configuration has failed.	*Cause* An attempt to acquire information necessary for pair configuration has failed because the configuration was changed after the task was created. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After refreshing the configuration, make sure that the resource targeted by the operation is displayed in the configuration information of Replication Manager, and then re-execute the task. If the configuration has been changed after the task was created, re-create the task.
RPM-00501	An attempt to acquire the specified alert setting has failed. (alert name = *Alert Name*)	*Cause* The specified alert setting might have already been deleted. *Action* Check the alert settings, and correct if necessary.
RPM-00502	An attempt to acquire information required to apply the effects of the executed task to the configuration has failed. The configuration might have been changed before or during execution of the task.	*Cause* The configuration was changed before or during execution of the task. As a result, an attempt to apply the effects of the executed task to the configuration failed. *Action*

Message ID	Message Text	Description
		Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After refreshing the configuration, make sure that the task execution results were applied to the configuration information of Replication Manager. If the task execution results were applied, you do not need to re-execute the task. If the task execution results were not applied, re-execute the task. If a related task has not been completed, re-create the task and then execute it again.
RPM-00503	An attempt to acquire the copy pair status from the agent has failed. (host name = *Host Name*, instance number = *Instance Number*, copy group name = *Copy Group Name*)	*Cause* The configuration might have changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00504	An attempt to acquire the copy pair status has failed. (pair name = *Copy Pair Name*, primary host name = *Primary Host Name*, secondary host name = *Secondary Host Name*)	*Cause* The configuration might have changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After verifying that the copy pair is displayed, refresh the copy pair status and verify that the copy pair is in the Completed status.
RPM-00505	The final confirmation of the task was canceled.	*Cause* Although the command was executed successfully, confirmation-completion processing was canceled because the service was stopped. *Action* Check the copy pair and make sure that the status of the copy pair indicates completion.

Message ID	Message Text	Description
RPM-00506	The copy pair status did not change to the one that indicates completion. (pair name = *Copy Pair Name*, primary copy pair status = *Primary Copy Pair Status* secondary copy pair status = *Secondary Copy Pair Status*)	*Cause* The command was successfully executed, but a copy pair is in the processing status or some status other than the complete status, or acquisition of the copy pair status failed. *Action* From the copy pair list, check the status of the specified copy pair. If the copy pair is not in the desired status, change the pair status again. If the secondary pair status is split(SSWS), a swap operation cannot be performed. In that case, perform takeover-recovery(resync) or takeover-recovery(recreate) to recover the copy pair. If the status of the copy pair is Pair(PFUL), the used capacity of the journal volume or the pool volume has exceeded the threshold value. From the copy pair list, check the most recent status of the copy pair, and then perform one of the following steps to resolve the problem: 1. If the status of the copy pair is Pair(PAIR), release the LDEVs. To release the LDEVs, delete the workflow and tasks of the corresponding copy pair. 2. If the status of the copy pair is not Pair(PAIR), analyze the cause of the used capacity of the journal volume or the pool volume exceeding the threshold value, and resolve the problem. After doing so, if the copy pair is not in the desired status, change the pair status. The main cause might be one of the following: ∘ The used capacity of the journal volume or pool volume is insufficient. ∘ The load on the storage systems is too high when a task is executed. ∘ The load on the network is too high. If unknown is displayed for the status of the copy pair, acquisition of the

Message ID	Message Text	Description
		copy pair status might have failed. Verify that both the Device Manager agent and RAID Manager are running correctly, and then refresh the pair status.
RPM-00508	No pair management server that can acquire pool usage rates exists.	*Cause* There is no pair management server that can acquire the pool usage rate of the enterprise-class storage system. *Action* Have Replication Manager recognize the pair management server that recognizes the command device of the storage system. If Replication Manager already recognizes the pair management server, confirm that the pair management server is available. If the copy group is defined by the device group, check the security settings for the connection between the Device Manager server and Replication Manager.
RPM-00509	No pair management server that can acquire pool usage rates exists.	*Cause* There is no pair management server that can acquire the pool usage rate of the midrange storage system. *Action* Have Replication Manager recognize the pair management server that manages the pairs that use a storage system pool.
RPM-00510	No pair management server that can acquire journal usage rates exists.	*Cause* There is no pair management server that can acquire the journal usage rate. *Action* Have Replication Manager recognize the pair management server that recognizes the command device of the storage system. If Replication Manager already recognizes the pair management server, confirm that the pair management server is available. If the copy group is defined by the device group, check the security settings for the connection between

Message ID	Message Text	Description
		the Device Manager server and Replication Manager.
RPM-00511	A volume scan has failed. (scan range = *scan-range*, details = *Business Continuity Manager-error-code Business Continuity Manager-error-message* (*Business Continuity Manager-return-code*))	*Cause* A volume scan has failed. *Action* Correct the Business Continuity Manager error shown in "details", and then retry the operation.
RPM-00512	A volume scan has partially failed. (scan range = *scan-range*, details = *Business Continuity Manager-error-code Business Continuity Manager-error-message (Business Continuity Manager-return-code)*)	*Cause* A volume scan has partially failed. *Action* Correct the Business Continuity Manager error shown in "details", and then retry the operation.
RPM-00513	An attempt to create a Disk Configuration Definition File has failed. (details = *Business Continuity Manager-error-code Business Continuity Manager-error-message (Business Continuity Manager-return-code)*)	*Cause* An attempt to create a disk configuration definition file has failed. *Action* Correct the Business Continuity Manager error shown in "details", and then retry the operation.
RPM-00515	An attempt to distribute a Disk Configuration Definition File has failed. (distribution destination = {*Information Source*|*Prefix*}, details = *Business Continuity Manager-error-code Business Continuity Manager-error-message (Business Continuity Manager-return-code)*)	*Cause* An attempt to distribute a disk configuration definition file has failed. *Action* Correct the Business Continuity Manager error shown in "details", and then retry the operation.
RPM-00517	An attempt to acquire information necessary for creating a configuration definition file has failed.	*Cause* The configuration might have been changed. Alternatively, an attempt might have been made to distribute a disk configuration definition file that had only been allocated. *Action* Refresh the configuration, and then retry the operation. If the same error occurs again, check the configuration to make sure that the operation is available, and then retry the operation.
RPM-00518	The volume scan result was 0. (scan range = *scan-range*)	*Cause* The result of the volume scan was 0. *Action*

Message ID	Message Text	Description
		Check and correct the scan range, and then retry the operation.
RPM-00519	Dummy device numbers could not be assigned. (scan range = *scan-range*, first dummy device number = *Dummy DEVN Start Number*)	*Cause* Dummy device numbers could not be assigned. *Action* Check and correct the first dummy device number for the specified range, and then retry the operation.
RPM-00520	An attempt to acquire the configuration information has failed because the storage system information of Device Manager is being updated. Please wait a few minutes, and then try again. If the same error occurs again, refresh the storage system information of Device Manager, and then try again.	*Cause* An attempt to acquire the configuration information failed because the storage system information of Device Manager is being updated. *Action* Wait a few minutes, and then retry the operation. If the same error occurs again, retry the operation after the storage system information of Device Manager has been updated.
RPM-00521	A volume scan cannot be performed because the remote scan range does not contain a command device. (command device serial number = *Command Device SerialNumber*, command-device-LDEV-number = *Command Device LDEVNumber*)	*Cause* A volume scan cannot be performed because the remote scan range does not contain a command device. *Action* Specify the remote scan range so that it contains the command device for the target DKC, and then retry the operation.
RPM-00523	The target task does not exist.	*Cause* The target task might have been deleted. *Action* Display the window again, and then retry the operation.
RPM-00524	The target task cannot be executed because the task is already executing.	*Cause* The target task is currently executing. *Action* Wait a while, and then retry the operation.
RPM-00525	Another task with the same definition has already been registered. (existing task ID = *Existing Task ID*)	*Cause* An attempt is being made to create a new task with the same contents already defined in another task. *Action*

Message ID	Message Text	Description
		Only one task with identical definition contents can be created. Edit or delete the corresponding task, and then retry the operation.
RPM-00526	An attempt to update the schedule information has failed because the number of registered tasks has exceeded the maximum. (maximum number of tasks = *Maximum Number of Tasks*)	*Cause* The task cannot be created because the maximum number of creatable tasks has already been reached. *Action* Revise the number of registered tasks, and then retry the operation.
RPM-00527	Information was successfully acquired from the database server, but information necessary to perform a mount or unmount operation failed to be acquired from the backup server. (backup server name = *Backup Server Name*, details = *Replication Manager Application Agent-error-code Replication Manager Application Agent-error-message*)	*Cause* Information was obtained from the database server, but information necessary for a mount or unmount operation could not be obtained from the backup server. *Action* If a mount or unmount operation is needed, resolve the Replication Manager Application Agent problem displayed in *details*, and then retry the operation.
RPM-00528	There is no information about information sources in the database. The information about the selected information sources might have been deleted.	*Cause* There is no information about the information source in the database. The information about the selected information source might have been deleted. *Action* Display the window again, and then retry the operation.
RPM-00529	Acquisition of information required for application-linkage processing has failed.	*Cause* An attempt to obtain the information required to process the application-linkage function has failed. *Action* Update the host information, and refresh the configuration.
RPM-00530	An attempt to access a database has failed.	*Cause* An attempt to access a database has failed. *Action* Try to access again.
RPM-00531	An attempt to acquire the copy pair status has failed. (group name = *Copy Group Name*, primary host name = *Primary*	*Cause* The configuration might have changed.

Message ID	Message Text	Description
	Host Name, secondary host name = *Secondary Host Name*)	*Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After verifying that the copy pair is displayed, refresh the copy pair status and verify that the copy pair is in the Completed status.
RPM-00532	The Device Manager agent does not support creating a copy pair with a consistency group.	*Cause* The connected Device Manager agent does not support creation of a copy pair that uses a consistency group. *Action* Update the Device Manager agent to the same version as Replication Manager.
RPM-00533	A prefix without a local site DADID has been specified in the initialization parameters.	*Cause* The initialization parameters contain a prefix for which a local site DADID has not been specified. *Action* Check and correct the initialization parameters, and then retry the operation.
RPM-00534	A DADID has been specified with multiple scan types in the initialization parameters.	*Cause* One DADID specified in the initialization parameters has the multiple scan types. *Action* Check and correct the initialization parameters, and then retry the operation.
RPM-00535	A different Non Gen'ed DADID has been specified for each prefix in the initialization parameters.	*Cause* A different Non Gen'ed DADID is specified for each prefix in the initialization parameters. *Action* Check and correct the initialization parameters, and then retry the operation.
RPM-00536	The same DADID in the initialization parameters is being used by another initialization parameters of Business Continuity Manager or Mainframe Agent.	*Cause* A DADID specified in the initialization parameters has also been registered in the initialization parameters of another Business Continuity Manager or Mainframe Agent registered in Replication Manager.

Message ID	Message Text	Description
		Action Check and correct the initialization parameters, and then retry the operation.
RPM-00537	The Business Continuity Manager or Mainframe Agent initialization parameters differ from those registered with Replication Manager.	*Cause* The initialization parameter settings are different from the settings registered in Replication Manager. *Action* Delete the instance of Business Continuity Manager or Mainframe Agent from Replication Manager and register it again. Alternatively, return the settings of the initialization parameters to those registered in Replication Manager.
RPM-00538	The version of Business Continuity Manager or Mainframe Agent is invalid. (information source = *Information Source*)	*Cause* The version of Business Continuity Manager or Mainframe Agent might have been downgraded. *Action* Check whether the version of Business Continuity Manager or Mainframe Agent has been downgraded. To use the Business Continuity Manager or Mainframe Agent that has been downgraded from the previously used version, delete the relevant Business Continuity Manager or Mainframe Agent as an information source and register it again.
RPM-00539	You cannot perform operations on the Configuration file because it has been created by using a version of Replication Manager and either Business Continuity Manager or Mainframe Agent that does not support the Configuration file. (Configuration file version = *Configuration-file-version*)	*Cause* The Configuration file has been created by using a version of Replication Manager and Business Continuity Manager or Mainframe Agent that does not support the Configuration file. *Action* Upgrade the Replication Manager and Business Continuity Manager or Mainframe Agent to a version that supports the Configuration file.
RPM-00540	There is a Business Continuity Manager whose version is not permitted by Replication Manager. Alternatively, operation of the mainframe system is not possible because the contents of the initialization	*Cause* There is a Business Continuity Manager whose version is not permitted by Replication Manager. Alternatively, the same local DADID is set in the initialization parameters of multiple Business Continuity

Message ID	Message Text	Description
	parameters of Business Continuity Manager are invalid.	Managers registered in Replication Manager. *Action* Check the version and initialization parameters of the instances of Business Continuity Managers operating in the entire system.
RPM-00541	The task cannot be executed because a prerequisite task has not been successfully executed yet.	*Cause* A prerequisite task has not been executed successfully. *Action* Make sure that the prerequisite task has executed successfully, and then retry the operation.
RPM-00542	The latest Disk Configuration Definition File has not been distributed to the host. (host name = *Host Name*, prefix = *Prefix*, DAD ID = *DADID*)	*Cause* The latest disk configuration definition file has not been distributed. *Action* Distribute the latest disk configuration definition file to the host, and execute the task again.
RPM-00543	An attempt to acquire copy group information has failed. (copy group name = *Copy Group Name*)	*Cause* The configuration might have been changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After that, verify that the copy group is displayed.
RPM-00544	An attempt to acquire volume information has failed. (volume name = *Volume Name*)	*Cause* The configuration might have been changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After that, verify that the target volume is displayed.
RPM-00545	Operations cannot be performed on the specified copy group. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* A pair operation was attempted on a copy group that cannot be performed in Replication Monitor. *Action*

Message ID	Message Text	Description
		Use software that can perform the pair operation.
RPM-00546	An attempt to acquire information about the destination copy group for the distribution has failed.	*Cause* The configuration might have been changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00547	You cannot perform operations on the Configuration file because the version of the Business Continuity Manager or Mainframe Agent does not support it.	*Cause* You cannot perform operations on the Configuration file because the version of the Business Continuity Manager or Mainframe Agent does not support operations on the configuration file. *Action* Upgrade Business Continuity Manager or Mainframe Agent Configuration to a version that supports operations on the configuration file.
RPM-00548	A prefix is not specified in the initialization parameters.	*Cause* A prefix is not specified in the initialization parameters. *Action* Check and correct the initialization parameters, and then retry the operation.
RPM-00549	The value of the specified mirror ID is different from the existing copy group definition. (mirror ID = *mirrorID*, existing mirror ID = *Existing mirrorID*)	*Cause* The value of the specified mirror ID is different from the existing copy group definition. *Action* Specify the same mirror ID value for all the copy group definitions. To change the mirror ID, delete all pairs in the copy group definition.
RPM-00550	An attempt to acquire the copy pair status has failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* The configuration might have been changed. *Action* Refresh the configuration, and then retry the operation. After confirming that the copy pair is displayed, refresh the copy pair status and make sure that it indicates completion.

Message ID	Message Text	Description
RPM-00551	An attempt to acquire the copy pair status from Business Continuity Manager or Mainframe Agent has failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* The configuration might have been changed. *Action* Refresh the configuration to show the latest information.
RPM-00552	The copy pair status did not change to one that indicates completion. (resource-ID = *Resource ID*, primary copy pair status = *Primary Copy Pair Status*, secondary copy pair status = *Secondary Copy Pair Status*)	*Cause* Although the command was executed successfully, the status of the copy pair does not indicate either in-process or completion. *Action* Check the status of the copy pair. If the status of the copy pair is not the expected result, change the status.
RPM-00553	An error occurred in a part of the processing. (target = *target*, details = *Business Continuity Manager-error-code Business Continuity Manager-error-message (Business Continuity Manager-return-code)*)	*Cause* An error occurred while the Business Continuity Manager command was executing. The following information is output for *target*: For a distribution task: *host-name/prefix* For other tasks: *resource-ID* *Action* Take action according to the Business Continuity Manager message. If the configuration information of Business Continuity Manager differs from that of Replication Manager, update the configuration information.
RPM-00554	You cannot perform operations on the Configuration file of distribution origin because it has been created by using a version of Replication Manager and either Business Continuity Manager or Mainframe Agent that does not support the Configuration file. (Configuration file version = *Configuration-file-version*)	*Cause* A version of Mainframe Agent not supported by Replication Manager and Business Continuity Manager or a version of Business Continuity Manager not supported by Replication Manager and Mainframe Agent has been used to create the configuration file at the distribution source. *Action* Upgrade the source distribution destination Replication Manager and Business Continuity Manager or Mainframe Agent for the distribution to a version that supports the configuration file.
RPM-00555	You cannot perform operations on the Configuration file of	*Cause*

Message ID	Message Text	Description
	distribution target because it has been created by using a version of Replication Manager and either Business Continuity Manager or Mainframe Agent that does not support the Configuration file. (Configuration file version = *Configuration-file-version*)	A version of Mainframe Agent not supported by Replication Manager and Business Continuity Manager or a version of Business Continuity Manager not supported by Replication Manager and Mainframe Agent has been used to create the configuration file at the distribution destination. *Action* Upgrade the distribution destination Replication Manager and Business Continuity Manager or Mainframe Agent to a version that supports the configuration file.
RPM-00556	A pair definition cannot be deleted because a pair which copy status is not Simplex exists.	*Cause* A pair definition cannot be deleted because there is a pair whose copy status is not SIMPLEX. *Action* Refresh the configuration to display the latest information, and then take either of the following actions: 1. If the status of the copy pair to be deleted is not SIMPLEX, change the copy pair status to SIMPLEX, and then execute the pair deletion task. 2. If the copy pair does not appear in the configuration information, the pair definition might have already been deleted. Use Business Continuity Manager to check whether the pair definition exists. If the pair definition has been deleted, you do not need to execute the pair definition task on Replication Manager.
RPM-00557	The pair cannot be deleted because the pair status is "swapping". (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* The status of the pair does not permit pair deletion *Action* Change the pair to a status that permits the pair to be deleted, and then retry the operation.
RPM-00558	The configuration definition file has not been distributed to the host. (Origin Host Name/Prefix = {*Origin Host Name*|*Prefix*}, Destination Host Name/Prefix = {*Destination Host Name*| *Prefix*}, DAD ID = *DADID*)	*Cause* The disk configuration definition file has not been distributed to the copy group distribution source or destination. *Action*

Message ID	Message Text	Description
		If the copy groups at the source and destination are displayed, delete the copy group at the destination, distribute the disk configuration definition file to the host, and execute the task again.
RPM-00559	The copy group does not meet the distribution requirement.	*Cause* The copy group does not meet the requirements for distribution. *Action* See the manual *Hitachi Command Suite Replication Manager User Guide* and make sure that the copy group meets the requirements for distribution.
RPM-00560	An attempt to acquire the backup status has timed out.	*Cause* An attempt to acquire the backup status has timed out because the backup status could not be acquired for more than 24 hours. *Action* Check whether information is correctly obtained from Replication Manager Application Agent. If information is obtained correctly, update task information to the latest status.
RPM-00561	There is no schedule information in Replication Manager Application Agent.	*Cause* There is no schedule information in Replication Manager Application Agent. *Action* Update the host information, and refresh the configuration.
RPM-00562	A task could not be executed at the scheduled time. Reconfigure the date and time for the task.	*Cause* Replication Manager was stopped at the task execution time. *Action* Set the task execution time again.
RPM-00563	Acquisition of Replication Manager Application Agent setup information has failed.	*Cause* An attempt to acquire the Replication Manager Application Agent settings has failed. *Action* Revise the Replication Manager Application Agent settings.

Message ID	Message Text	Description
RPM-00564	Acquisition of the Replication Manager Application Agent host name has failed.	*Cause* An attempt to acquire the Replication Manager Application Agent host name has failed. *Action* Update the Replication Manager Application Agent information.
RPM-00565	An attempt to acquire the copy pair status has failed. (host name = *Host Name*, prefix = *Prefix*, copy group name = *Copy Group Name*)	*Cause* The configuration might have been changed. *Action* Refresh the configuration to show the latest information. After confirming that the copy pair exists, retry the operation.
RPM-00566	Deleting or modifying all the existing pairs is not allowed in the copy group.	*Cause* You cannot delete or modify all the pairs in a copy group. Also, you cannot perform an operation where the number of pairs to be deleted or modified is the same as the number of existing pairs. *Action* To delete all the pairs in a copy group, delete the copy group. To modify all the pairs, divide the pairs into smaller groups, and then perform one or more operations on each group, or delete the copy group, and then re-create the pairs.
RPM-00567	An attempt to acquire the pair status failed because the configuration information was being refreshed.	*Cause* An attempt to acquire the pair status failed because the configuration information was being refreshed. *Action* After the configuration information is refreshed, retry the operation.
RPM-00568	You cannot perform operations on the Configuration file of distribution because a version of Replication Manager and Business Continuity Manager does not support distributing configuration file. (Configuration file version = *Configuration-file-version*)	*Cause* A version of Replication Manager and Business Continuity Manager does not support distributing Configuration file. *Action* Upgrade the Business Continuity Manager to a version that supports distributing Configuration file.
RPM-00569	Acquisition of the configuration information failed because the	*Cause* Acquisition of the configuration information failed because the

Message ID	Message Text	Description
	previous storage system refresh terminated with an error and the configuration information is inconsistent. Refresh the storage system information of Device Manager, and then try again.	previous storage system refresh terminated with an error and the configuration information is inconsistent. *Action* Refresh the storage system information of Device Manager, and then try again.
RPM-00577	A selectable Pool ID does not exist.	*Cause* A Pool ID does not exist. *Action* Create a Pool. If a pool already exists, refresh the configuration.
RPM-00578	A selectable JNLG ID or Pool ID does not exist.	*Cause* Journal Group ID or Pool ID does not exist. *Action* Create Journal Group or Pool. If it already exists, execute Refresh Configuration.
RPM-00579	The target of the operation has been updated by another user, or is not in a state in which the operation can be performed. Check the status of the target of the operation, and then retry the operation.	*Cause* The target of the operation has been updated by another user, or is not in a state in which the operation can be performed. *Action* Check the status of the target of the operation, and then retry the operation.
RPM-00580	The specified record does not exist in the database.	*Cause* The specified record does not exist in the database. *Action* The data related to the specified object might have been deleted by another user. Re-display the window and make sure that the target object exists. If the same problem occurs frequently, contact the Support Center.
RPM-00581	An unexpected error occurred. (*detail*)	*Cause* An unexpected error occurred in the Replication Manager internal interface. *Action* Contact the Support Center.
RPM-00590	An unexpected error occurred.	*Cause*

Message ID	Message Text	Description
		An unexpected error occurred in the Replication Manager internal interface. *Action* Contact the Support Center.
RPM-00591	The database is inconsistent. (table name = *table*, key = *key*)	*Cause* An unexpected error occurred in the Replication Manager internal interface due to an inconsistency in the database. *Action* Contact the Support Center.
RPM-00592	An attempt to modify the database has failed.	*Cause* An attempt to modify the database has failed. *Action* If the error occurred immediately after you performed an upgrade installation, restore the database from the backup, and then restart Replication Manager. If the error occurred immediately after you imported data, import the data again, and then restart Replication Manager. If the action you take does not resolve the problem, collect the maintenance information, and then contact the Support Center.
RPM-00593	The specified pool ID is already registered.	*Cause* The specified pool ID has already been registered. *Action* If necessary, revise the status of the pool list, and then retry the operation.
RPM-00594	The specified journal group ID is already registered.	*Cause* The specified journal group ID has already been registered. *Action* If necessary, revise the status of the journal group list, and then retry the operation.
RPM-00595	The DMLU has already been deleted. (volume = *Volume*)	*Cause* The DMLU has already been deleted. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device

Message ID	Message Text	Description
		Manager, refresh the storage system from Device Manager.
RPM-00596	The specified remote path is not registered.	*Cause* The specified remote path has not been registered. *Action* The remote path might have already been deleted. Refresh the storage system information, and then refresh the configuration.
RPM-00597	Editing of the remote paths finished, but the port attributes could not be changed to "Target".	*Cause* Some remote paths might be left on a port to be changed, or on ports related to it. *Action* If remote paths are set for any ports, first delete the remote paths, and then retry the operation.
RPM-00600	An attempt to get a part of information has failed. Perform Refresh Storage Systems and try again.	*Cause* Part of the information cannot be acquired because the data differs from the actual configuration. *Action* Refresh the storage system information, and then retry the operation.
RPM-00601	The alert name is incorrect.	*Cause* The alert name is invalid. *Action* Check the specified value, and if necessary correct it, and then retry the operation.
RPM-00602	The monitored pair status is invalid.	*Cause* The monitored pair status is invalid. *Action* Check the specified value, and if necessary correct it, and then retry the operation.
RPM-00603	The mail server is incorrect.	*Cause* The mail server is invalid. *Action* Check the specified value, and if necessary correct it, and then retry the operation.
RPM-00604	The address (To) is incorrect.	*Cause* The address is invalid.

Message ID	Message Text	Description
		Action Check the specified value, and if necessary correct it, and then retry the operation.
RPM-00605	The subject is incorrect.	*Cause* The title is invalid. *Action* Check the specified value, and if necessary correct it, and then retry the operation.
RPM-00606	The message is incorrect.	*Cause* The email body is invalid. *Action* Check the specified value, and if necessary correct it, and then retry the operation.
RPM-00607	A replica was not found for some of the selected storage groups.	*Cause* Some of the selected restore targets are not included in the replica. *Action* Create a replica that includes the target storage group.
RPM-00608	The password is incorrect.	*Cause* The password is invalid. *Action* Check the specified value, and if necessary correct it, and then retry the operation.
RPM-00609	The selected storage groups do not belong to the same replica.	*Cause* The selected storage groups do not belong to the same replica. *Action* Select one storage group at a time, or select a replica from the replica history list, and execute a restore.
RPM-00610	The data type is incorrect.	*Cause* The data type is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00611	The data retention period is incorrect.	*Cause* The data retention period is invalid. *Action*

Message ID	Message Text	Description
		Check the specified value, correct it if necessary, and then retry the operation.
RPM-00612	The time for deleting expired data is invalid.	*Cause* The start time is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00613	The interval is invalid.	*Cause* The interval is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00614	The refresh interval setting for the agent is incorrect.	*Cause* The refresh interval setting for the agent is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00615	The name is invalid.	*Cause* The name is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00616	The host ID is incorrect.	*Cause* The host ID is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00617	The port is incorrect.	*Cause* The port is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00618	The user ID is incorrect.	*Cause* The user ID is invalid. *Action*

Message ID	Message Text	Description
		Check the specified value, correct it if necessary, and then retry the operation.
RPM-00619	The refresh interval setting for Device Manager is incorrect.	*Cause* The refresh interval setting for Device Manager is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00620	The sender entry is invalid.	*Cause* The sender is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00621	The host is incorrect.	*Cause* The host is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00622	The community is incorrect.	*Cause* The community is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00623	The template is incorrect.	*Cause* The template is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00624	The start time is incorrect.	*Cause* The start time is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00625	The date/time entry is invalid.	*Cause* The date or time is invalid. *Action*

Message ID	Message Text	Description
		Check the specified value, correct it if necessary, and then retry the operation.
RPM-00626	The period entry is invalid.	*Cause* The period specification is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00627	The Recent entry is invalid.	*Cause* The recent data is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00628	The threshold is incorrect.	*Cause* The threshold is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00629	A metric is incorrect.	*Cause* The metric is invalid. *Action* Check the specified value, correct it if necessary, and then retry the operation.
RPM-00630	The number of set information sources exceeds the maximum. (maximum = *the-maximum-number-of-settable-information-source*)	*Cause* No more information sources can be registered because the number of registered information sources has reached the maximum. *Action* Delete any unnecessary information sources, and then retry the operation.
RPM-00631	A prerequisite version is missing. (prerequisite version = *prerequisite-version*, information source = *information-source-version*)	*Cause* The version of the product you attempted to register in the information source is not the prerequisite version for Replication Manager. *Action* Make sure that the information about the connection target you attempted to register in the information source is correct. Alternatively, after making sure that the version of the

Message ID	Message Text	Description
		information source can be updated to the prerequisite version, perform installation, and then retry the operation.
RPM-00632	The number of set alert settings exceeds the maximum. (maximum = *the-maximum-number-of-settable-alert*, number set = *the-store-number-of-registered-alert*)	*Cause* No more alert settings can be registered because the number of registered alert settings has reached the maximum, or because registering all the resources to be added would cause the number of registered alert settings to exceed the maximum. *Action* Delete any unnecessary alert settings, and then retry the operation. Alternatively, reduce the number of resources to be added, and then retry the operation.
RPM-00633	The specified monitor setting does not exist. (name = *name*)	*Cause* An attempt was made to view information that did not exist. *Action* Check if another administrator had deleted the information source.
RPM-00634	Information about the specified information source does not exist.	*Cause* An attempt was made to view information that did not exist. *Action* Check if another administrator had deleted the information source.
RPM-00635	The specified configuration setting does not exist. (name = *name*)	*Cause* An attempt was made to view information that did not exist. *Action* Check if another administrator had deleted the information source.
RPM-00636	An attempt to acquire installation information has failed.	*Cause* An attempt to read the Replication Manager installation information has failed. *Action* Make sure that the Replication Manager property file exists at the installation destination and that it can be viewed. If the property file does not exist, uninstall Replication Manager and then re-install it.

Message ID	Message Text	Description
RPM-00637	An attempt to analyze installation information has failed. (prerequisite version = *prerequisite-version*, information source = *information-source-version*)	*Cause* An attempt to analyze the prerequisite version information for Replication Manager or the version information for the information source has failed. *Action* Make sure that the version of the information source is the prerequisite version. If the version is correct, contact the Support Center.
RPM-00638	"My Copy Groups" does not exist in the configuration information. (My Copy Groups = *my-copy-group*)	*Cause* The registered My Copy Group does not exist in the current configuration information for Replication Manager. *Action* Use the **Edit My Copy Groups** dialog box to check the registered settings of My Copy Groups. If any unnecessary My Copy Groups are registered, clear the registration, and then click the **Refresh My Copy Groups** button to refresh the information.
RPM-00639	The number of registered "My Copy Groups" exceeds the maximum. (maximum = *the-maximum-number-of-settable-my-copy-group*, number set = *the-number-of-registering-my-copy-group*)	*Cause* The specified My Copy Groups cannot be registered because the number of registered My Copy Groups has reached the maximum. *Action* Reduce the number of My Copy Groups to be registered, and then retry the operation.
RPM-00640	The specified backup server does not exist.	*Cause* The instance of Application Agent on the specified backup server has not been registered in Replication Manager. *Action* Register the instance of Application Agent on the specified backup server, and then retry the operation.
RPM-00641	The specified backup server for local replication does not exist.	*Cause* The instance of Application Agent on the specified backup server has not been registered in Replication Manager. *Action*

Message ID	Message Text	Description
		Register the instance of Application Agent on the specified backup server, and then retry the operation.
RPM-00642	The specified backup server for remote replication does not exist.	*Cause* The instance of Application Agent on the specified backup server has not been registered in Replication Manager. *Action* Register the instance of Application Agent on the specified backup server, and then retry the operation.
RPM-00643	The mirror IDs of remote copy groups must not be the same in a 3DC multi-target configuration.	*Cause* In a 3DC multi-target configuration, the mirror IDs for a remote copy must have different values. *Action* Specify different values for the mirror IDs of a remote copy in a 3DC multi-target configuration.
RPM-00644	The specified forward supervisor DKC is invalid. (Group Name = *Group Name*)	*Cause* The specified forward super DKC is invalid. *Action* Specify a correct super DKC.
RPM-00645	The specified reverse supervisor DKC is invalid. (Group Name = *Group Name*)	*Cause* The specified reverse super DKC is invalid. *Action* Specify a correct super DKC.
RPM-00646	The specified EXCTG ID is already being used by another copy group. (group name = *Group Name*, storage system name = *Storage System Name*, EXCTG ID = *EXCTG ID*)	*Cause* The specified EXCTG ID is already being used by another copy group. *Action* Specify an unused EXCTG ID.
RPM-00647	The specified arbitration command device is already being used by another copy group. (group name = *Group Name*, storage system name = *Storage System Name*, arbitration command device = *Arbitration Command Device*)	*Cause* The specified arbitration command device is already being used by another copy group. *Action* Specify an unused arbitration command device.
RPM-00648	The specified pair group name already exists in the topology.	*Cause* The specified pair group name already exists in the topology.

Message ID	Message Text	Description
		Action Specify another pair group name.
RPM-00649	The selected pair group has already been assigned to a copy group.	*Cause* The selected pair group has already been assigned a copy pair. *Action* No action is required.
RPM-00650	The selected pair group has not been assigned to a copy group.	*Cause* The selected pair group has not been assigned a copy pair. *Action* No action is required.
RPM-00651	The same DEVN has already been added to the copy pair list.	*Cause* The same DEVN has already been added to the Copy Pair List. *Action* Specify a DEVN that is not already in the copy pair list.
RPM-00652	The specified number of secondary DEVNs does not match the number of primary DEVNs.	*Cause* The specified number of secondary DEVNs does not match the number of primary DEVNs. *Action* Make sure that the specified number of secondary DEVNs and the number of primary DEVNs are the same.
RPM-00653	The specified DEVN does not exist in the copy pair list.	*Cause* The specified DEVN is not in the copy pair list. *Action* Check and correct the specified value, and then retry the operation.
RPM-00654	A secondary DEVN already exists in the specified pair.	*Cause* The secondary DEVN is already in the specified pair. *Action* Specify a DEVN that is not in the copy pair list.
RPM-00655	No changes were made to the existing task in the replica configuration. (task ID = *TASKID*)	*Cause* The task will not be reconfigured, because there are no changes to the input. *Action* No action is required.

Message ID	Message Text	Description
RPM-00656	A dataset has not been allocated to the specified disk configuration file.	*Cause* A dataset has not been allocated to the specified disk configuration definition file. *Action* Review the configuration, and then retry the operation.
RPM-00657	The specified volume range has already been scanned under the same disk configuration file or another disk configuration file of the same BCM.	*Cause* The specified volume range has already been scanned for the same disk configuration file or another disk configuration file of the same BCM. *Action* A volume range that contains a scanned volume cannot be specified. Check and correct the set value, and then retry the operation.
RPM-00658	A local scan (Non-Gen'ed) or remote scan operation cannot be performed because a local scan (Gen'ed) has not been performed on the candidate storage systems.	*Cause* A local scan (Non-Gen'ed) or a remote scan cannot be performed because a local scan (Gen'ed) has not been performed for the candidate storage system. *Action* To perform a local scan (Non-Gen'ed) or a remote scan, a local scan (Gen'ed) must have been performed for the storage system that is to be scanned. Review the configuration, and then retry the operation.
RPM-00659	The remote backup server for managing the replica is not registered on the host. (host name = *Host Name*)	*Cause* The remote backup server for managing replicas has not been registered. *Action* If the remote backup server has not been added, add the remote backup server by using the Add Application Agent dialog box. If the remote backup server has been added, configure the replica management server by using the Edit Application Agent dialog box.
RPM-00660	A local scan (Non-Gen'ed) or remote scan operation cannot be performed because the route list is not available for candidate storage systems.	*Cause* A local scan (Non-Gen'ed) or a remote scan cannot be performed because a route list is not set for the candidate storage system.

Message ID	Message Text	Description
		Action To perform a local scan (Non-Gen'ed) or a remote scan, a route list must be set for the storage system that is to be scanned. Review the configuration, and then retry the operation.
RPM-00661	The specified volume ranges cannot be deleted because the volumes in the specified range are paired or reserved.	*Cause* The specified volume range cannot be deleted because it contains a volume that is part of a copy pair or that is a reserved volume. *Action* See the **Paired** tab of the **LDEVs** list in the storage systems view or hosts view to make sure that the volume range does not contain a volume that is part of a copy pair. Also make sure that none of the volumes displayed on the **Unpaired** page is part of a copy pair in simplex status. If you want to delete the volume range you selected in the hosts view, delete all copy pairs that contain volumes in the selected range, and then retry the operation.
RPM-00662	The specified host has already been deleted by another user.	*Cause* The specified host has been already deleted by another user. *Action* Display the list of hosts again, make sure that the specified host is in the list, and then retry the operation.
RPM-00663	One or more pairs that cannot be operated on are included.	*Cause* The pair(s) that cannot be operated is included. *Action* Make sure that operations can be performed on all selected pairs.
RPM-00664	LDEV *LDEVName* is reserved for another workflow.	*Cause* Another workflow has already reserved the selected LDEV or its storage system. *Action* Make sure that the LDEV or its storage system has not been reserved by any other workflow, and then retry the operation.

Message ID	Message Text	Description
RPM-00665	The Device Manager service has stopped.	*Cause* The Device Manager server service is not running. *Action* Start the service, and then retry processing.
RPM-00666	A shared data path has not been configured for the selected virtual host (cluster). (host name = *Host Name*)	*Cause* The selected virtual host does not have a shared data path. *Action* Set a shared data path by using the Edit Application Agent dialog box, and then recreate the replica.
RPM-00667	The maximum number of V-VOL groups that can be created has been exceeded.	*Cause* The maximum number of V-VOL groups that can be created has been reached. *Action* Delete any unnecessary V-VOL groups.
RPM-00668	The maximum number of V-VOLs that can be added to a V-VOL group has been exceeded.	*Cause* The maximum number of V-VOLs that can be added to a V-VOL Group has been reached. *Action* Delete any unnecessary V-VOLs.
RPM-00669	The specified V-VOL has already been deleted.	*Cause* The V-VOL has already been deleted. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00670	The specified V-VOL cannot be deleted because a path has been defined for it.	*Cause* The specified V-VOL cannot be deleted because a path is defined for it. *Action* Delete the defined path, and then retry the operation.
RPM-00671	The backup server for managing the replica is not registered on the host. (host name = *Host Name*)	*Cause* The backup server for managing replicas has not been registered. *Action*

Message ID	Message Text	Description
		If the backup server has not been added, add the backup server by using the Add Application Agent dialog box. If the backup server has been added, configure the replica management server by using the Edit Application Agent dialog box.
RPM-00672	The specified V-VOL cannot be deleted because it is being used as a secondary volume.	*Cause* The specified V-VOL cannot be deleted because it is used as secondary volume. *Action* Dissolve the Snapshot pair, and then retry the operation.
RPM-00673	The local backup server for managing the replica is not registered on the host. (host name = *Host Name*)	*Cause* The local backup server for managing replicas has not been registered. *Action* If the local backup server has not been added, add the local backup server by using the Add Application Agent dialog box. If the local backup server has been added, configure the replica management server by using the Edit Application Agent dialog box.
RPM-00674	The selected V-VOL group has already been deleted.	*Cause* The selected V-VOL Group has already been deleted. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00675	The specified Application Agent has already been deleted.	*Cause* The selected Application Agent has already been deleted by another user. *Action* The specified Application Agent has been already deleted. If you want to execute restoration, add Application Agent.
RPM-00676	The selected information store does not contain any replicas.	*Cause* A replica does not exist for the selected information store. *Action* Create a replica.

Message ID	Message Text	Description
RPM-00677	Acquisition of the results of deleting a V-VOL failed.	*Cause* An attempt to acquire the results of processing on a V-VOL deletion has failed. *Action* In the V-VOL List window, check the results of the processing.
RPM-00678	The secondary replica information could not be acquired.	*Cause* The secondary replica information could not be acquired. *Action* Revise the configuration so that the secondary replica information can be acquired, and then retry the operation.
RPM-00679	Acquisition of the results of creating a V-VOL failed.	*Cause* An attempt to acquire the results of processing on a V-VOL creation has failed. *Action* In the V-VOL List window, check the results of the processing.
RPM-00680	The maximum number of primary LDEVs that can be added has been exceeded.	*Cause* The maximum number of Primary LDEVs that can be added has been reached. *Action* Delete any unnecessary primary LDEVs from the target LDEV list.
RPM-00681	The specified V-VOL group already exists.	*Cause* The specified V-VOL Group already exists. *Action* Check the status of the V-VOL list, and then retry the operation.
RPM-00682	Acquisition of the information of the backup server for the database server (*Host Name*) failed.	*Cause* The task of the specified replica might have been deleted. *Action* Recreate the replica, and then retry the operation.
RPM-00683	Acquisition of storage group information for the selected task failed. (task ID = *TASK ID*)	*Cause* The storage group might have been deleted. *Action*

Message ID	Message Text	Description
		Check whether the storage group exists in the selected task. If the storage group exists, choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, and then retry the operation. If the storage group does not exist, create a new task.
RPM-00684	The specified V-VOL cannot be deleted because the V-VOL group it belongs to has V-VOL in which the path is defined.	*Cause* The specified V-VOL cannot be deleted because the V-VOL group it belongs to includes a V-VOL for which a path is defined *Action* Delete all paths from the V-VOL group, and then retry the operation.
RPM-00685	The specified V-VOL cannot be deleted because the V-VOL group it belongs to has V-VOL used as secondary volume.	*Cause* The specified V-VOL cannot be deleted because the V-VOL group it belongs to includes a V-VOL that is being used as a secondary volume. *Action* Delete all Snapshot pairs from the V-VOL group, and then retry the operation.
RPM-00686	The storage system could not complete processing.	*Cause* The storage system could not complete the processing. *Action* Check the Device Manager server log, and then resolve the problem.
RPM-00687	Primary DAD or Secondary DAD of selected pair(s) or copy group has not been registered as BCM initialization parameters.	*Cause* The Primary DAD or Secondary DAD for the specified pair or copy group is not registered in the BCM initial settings parameter. *Action* Make sure that the Primary DAD and Secondary DAD for the specified pair or copy group is registered in the BCM initial settings parameter, and then retry the operation.
RPM-00688	The selected DMLU is already at maximum capacity. (maximum capacity = *Max Capacity* GB)	*Cause* The selected DMLU is already at maximum capacity. *Action*

Message ID	Message Text	Description
		The selected DMLU is already at maximum capacity. No more capacity can be added to the DMLU. No action is necessary.
RPM-00689	The operation failed because the DMLU status is *Status*. Capacity can be added to a DMLU only while the DMLU status is Normal or Regression.	*Cause* DMLU status is incorrect. Add DMLU Capacity wizard can be invoked only when DMLU status is either Normal or Regression. *Action* Confirm that the DMLU status is Normal or Regression, and then retry the operation.
RPM-00690	No Parity Groups exist that can be used for adding capacity.	*Cause* In order to extend DMLU, the Parity Group which has continuous available capacity. *Action* Secure the capacity to be added to the DMLU via a Parity Group, and then retry the operation.
RPM-00691	An attempt to acquire information required for adding capacity to the DMLU failed.	*Cause* An attempt to acquire information required for adding capacity to the DMLU failed. *Action* Refresh the configuration, and then retry the operation.
RPM-00701	The operation cannot be performed because the selected copy pair is a quorum drive.	*Cause* The operation cannot be performed because one or both of volumes in the selected copy pair is on the quorum drive. *Action* Select a copy pair whose volumes are not on the quorum drive, and then retry the operation.
RPM-00702	The operation cannot be performed because the selected copy pair is a HAM copy pair.	*Cause* The operation cannot be performed because the selected copy pair is a HAM copy pair. *Action* Select a non-HAM copy pair, and then retry the operation.
RPM-00703	An attempt to create information for sending email	*Cause* The email parameter might be invalid.

Message ID	Message Text	Description
	has failed. (cause = *Detail Message of the Exception*)	*Action* Based on the information displayed as the cause of the error, make sure that the email parameter setting is valid. If the setting is invalid, re-register it.
RPM-00704	An attempt to connect to the mail server has failed. (cause = *Detail Message of the Exception*)	*Cause* The mail server setting might be invalid, or the specified mail server might not have started. *Action* Based on the information displayed as the cause of the error, make sure that the email server setting is valid. If the setting is invalid, re-register it. Also, make sure that the receive port for the mail server is set to 25 and that the mail server has started.
RPM-00705	An attempt to send mail has failed. (cause = *Detail Message of the Exception*)	*Cause* An attempt to send email has failed. *Action* Based on the information displayed as the cause of the error, make sure that the email parameter setting is valid. If the setting is invalid, re-register it.
RPM-00706	An attempt to create SNMP trap-sending information has failed.	*Cause* The parameters necessary for SNMP trap notification might not be set correctly. *Action* Check whether the parameter settings necessary for SNMP trap notification are correct. If the settings are not correct, specify them correctly.
RPM-00707	An attempt to execute an internal command has failed. (command file name = *command-file-name*)	*Cause* An attempt to execute a command used internally in Replication Manager has failed. *Action* Check the amount of free memory on the computer that runs Replication Manager. If there is not enough free space, increase the amount of available memory by stopping concurrently running programs that are not necessary, or by increasing the amount of memory. If this message still appears, uninstall Replication Manager and then re-install it.

Message ID	Message Text	Description
RPM-00708	An attempt to send an SNMP trap has failed. (cause = *Detail Message of the Exception*)	*Cause* The parameters necessary for SNMP trap notification might not be set correctly. *Action* Using the information displayed as the cause of the error, check whether the parameter settings necessary for SNMP trap notification are correct. If the settings are not correct, specify them correctly.
RPM-00709	An error occurred while connecting to the host. (cause = *Detail Message of the Exception*)	*Cause* The parameters necessary for SNMP trap notification might not be set correctly. *Action* Using the information displayed as the cause of the error, check whether the host name necessary for SNMP trap notification is set correctly. If the setting is not correct, specify it correctly.
RPM-00710	The IP address of the host is invalid. (cause = *Detail Message of the Exception*)	*Cause* The parameters necessary for SNMP trap notification might not be set correctly. *Action* Using the information displayed as the cause of the error, check whether the IP address necessary for SNMP trap notification is set correctly. If the setting is not correct, specify it correctly.
RPM-00711	An unexpected error occurred.	*Cause* The parameters necessary for SNMP trap notification might not be set correctly. *Action* Check whether the parameter settings necessary for SNMP trap notification are correct. If the settings are not correct, specify them correctly.
RPM-00713	You do not have the user permissions required for this operation.	*Cause* You do not have the required user permissions for this operation. *Action* If you are a Modify user, you will need an Admin user to allocate the appropriate resource group.

Message ID	Message Text	Description
		If you are an Admin user, allocate the appropriate resource group yourself.
RPM-00714	The specified primary CTGID/ JNLGID of "*Group Name*" is being used by another copy group.	*Cause* The specified primary CTGID/JNLGID is being used by another copy group. *Action* Specify a CTG/JNLGID that is not being used by another copy group.
RPM-00715	The specified secondary CTGID/ JNLGID of "*Group Name*" is being used by another copy group.	*Cause* The specified secondary CTGID/ JNLGID is being used by another copy group. *Action* Specify a CTG/JNLGID that is not being used by another copy group.
RPM-00716	The LDEV is already being used for another workflow. (Storage System = *Storage System Name*, LDEV = *LDEV name*)	*Cause* Another workflow is already using the LDEV. *Action* Select another LDEV, and then retry the operation.
RPM-00717	The specified configuration has been changed. (Group Name = *Group Name*)	*Cause* The specified configuration has been changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-00718	The specified arbitration command device is invalid. (Group Name = *Group Name*, Storage System = *Storage System Name*, Arbitration CMD = *Arbitration Command*)	*Cause* The specified arbitration command device is invalid. *Action* Specify an available arbitration command device, and then retry the operation.
RPM-00719	This topology configuration is not supported. The same primary volume has been paired with multiple secondary volumes within the same copy group.	*Cause* This topology configuration is unsupported. The same primary volume has been paired with more than one secondary volume within the same copy group. *Action* For an open system configuration, use CCI to modify the settings so that only one secondary volume is

Message ID	Message Text	Description
		associated with only one primary volume. For a mainframe system configuration, use BC Manager to modify the settings so that only one secondary volume is associated with only one primary volume.
RPM-00720	This configuration is not supported. The number of pairs in the 3DC configuration copy groups is different.	*Cause* This configuration is not supported. The number of pairs in the 3DC configuration copy groups is different. *Action* Use CCI to make the number of pairs in the 3DC configuration copy groups the same.
RPM-00721	This topology configuration is not supported. The same secondary volume has been paired with multiple primary volumes within the same copy group.	*Cause* This topology configuration is unsupported. Same secondary volume has been paired with more than one primary volume within the same group. *Action* For an open system configuration, use CCI to modify the settings so that only one primary volume is associated with only one secondary volume. For a mainframe system configuration, use BC Manager to modify the settings so that only one primary volume is associated with only one secondary volume.
RPM-00722	This topology configuration is not supported. Multiple storage systems are associated with the primary volume of a copy group in the topology.	*Cause* This topology configuration is unsupported. More than one storage system is associated with the primary volumes of a copy group in the topology. *Action* For an open system configuration, use CCI to modify the settings so that the primary volumes of the copy group are in the same storage system. For a mainframe system configuration, use BC Manager to modify the settings so that the primary volumes of the copy group are in the same storage system.
RPM-00723	This topology configuration is not supported. Multiple storage	*Cause* This topology configuration is unsupported. More than one storage

Message ID	Message Text	Description
	systems are associated with the secondary volume of a copy group in the topology.	system is associated with the secondary volumes of a copy group in the topology. *Action* For an open system configuration, use CCI to modify the settings so that the secondary volumes of the copy group are in the same storage system. For a mainframe system configuration, use BC Manager to modify the settings so that the secondary volumes of the copy group are in the same storage system.
RPM-00724	This topology configuration is not supported. Multiple copy types are assigned to a single copy group in the topology.	*Cause* This topology configuration is unsupported. More than one copy type is assigned to a single copy group in the topology. *Action* For an open system configuration, use CCI to modify the settings so that only one copy type is assigned to the copy pairs in the copy group. For a mainframe system configuration, use BC Manager to modify the settings so that only one copy type is assigned to the copy pairs in the copy group.
RPM-00730	The same DEVN has already been added to the copy pair list.	*Cause* The same DEVN has already been added to the copy pair list. *Action* Select a DEVN that has not yet been added to the copy pair list.
RPM-00731	No valid pairs are selected for pair operation.	*Cause* No valid pairs have been selected for the operation. *Action* Make sure that valid pairs have been selected for the operation, and then retry the operation.
RPM-00732	An attempt to acquire copy group information has failed.	*Cause* The configuration might have been changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system

Message ID	Message Text	Description
		from Device Manager. After that, verify that the copy group is displayed.
RPM-00733	The selected resources cannot be deleted because it is not possible to delete all the resources from the Resource List.	*Cause* All resources in the Resource List were selected for deletion. *Action* Select resources without emptying the Resource List.
RPM-00734	Creating V-VOL processing has timed out.	*Cause* Another user might be using the target storage system, or an internal configuration change might be in progress. *Action* Because the configuration might not show the latest information, refresh the configuration, make sure that the target storage system is not in use, and then retry the operation.
RPM-00736	Mainframe information was acquired via Device Manager because BC Manager could not be found. The selected operation failed because it requires BC Manager.	*Cause* Mainframe information was obtained via Device Manager. Therefore, the specified operation cannot be performed. *Action* To perform operations for mainframes, install BC Manager.
RPM-00737	The specified pair operation is invalid.	*Cause* The specified pair operation is invalid. *Action* Recreate the task, and then retry the operation.
RPM-00738	The specified pair operation cannot be edited.	*Cause* The specified pair operation task cannot be edited. *Action* Recreate the task, and then retry the operation.
RPM-00739	The specified pair operation cannot be executed.	*Cause* The specified pair operation task cannot be executed. *Action* Recreate the task, and then retry the operation.

Message ID	Message Text	Description
RPM-00740	The specified instance configuration has already been added.	*Cause* The same instance information has already been set. *Action* No action is required.
RPM-00741	An information source with the same name has already been registered. (name = *App Agent Name*)	*Cause* An information source with the same name has already been registered. *Action* Specify another name, and then retry the operation.
RPM-00742	Acquisition of component information failed. (Application Agent name = *App Agent Name*, host ID = *Host ID*)	*Cause* An attempt to acquire component information has failed. *Action* From the Application Agent Settings List window, update the Agent information, and then retry the operation.
RPM-00743	Information about the specified Application Agent does not exist. (name = *App Agent Name*)	*Cause* Information about the specified Application Agent has already been deleted. *Action* Refresh the Application Agent Settings List window.
RPM-00744	An Application Agent with the same "Host ID" has already been registered. (host ID = *Host ID*)	*Cause* An Application Agent with the same host ID has already been registered. *Action* No action is required.
RPM-00745	The Replication Manager Application Agent for Exchange component and the Replication Manager Application Agent for SQL component are not installed on the specified host. (name = *App Agent Name*, host ID = *Host ID*)	*Cause* The Replication Manager Application Agent for Exchange component and the Replication Manager Application Agent for SQL component are not installed on the specified host. *Action* Please install the appropriate component on the specified host.
RPM-00746	The number of "To" addresses in Email "Options" exceeds the maximum. (maximum = *Maximum Count*)	*Cause* The number of addresses specified for the email option exceeds the maximum. *Action*

Message ID	Message Text	Description
		Specify 10 or fewer email addresses, and then retry the operation.
RPM-00747	This Application Agent version is not supported.	*Cause* The Application Agent version is not supported. *Action* Check the Application Agent version, and then retry the operation.
RPM-00748	Acquisition of cluster node information failed. (name = *App Agent Name*)	*Cause* And attempt to obtain information about a cluster node has failed. *Action* Revise the specified value or configuration, and then retry the operation.
RPM-00749	The number of set Application Agent information sources exceeds the maximum. (Maximum = *Maximum Count*)	*Cause* The number of items of Application Agent information that can be added exceeds the maximum. *Action* Delete any unnecessary information sources, and then retry the operation.
RPM-00750	The specified Application Agent does not exist. (Host ID = *Host ID*)	*Cause* The specified Application Agent does not exist. *Action* Revise the configuration, and then retry the operation.
RPM-00751	The specified cluster node does not exist. (Cluster Node = *Cluster Node*)	*Cause* The specified cluster node does not exist. *Action* Revise the configuration, and then retry the operation.
RPM-00752	The specified cluster node already exists. (Cluster Node = *Cluster Node*)	*Cause* The specified cluster node already exists. *Action* Revise the configuration, and then retry the operation.
RPM-00753	The active node of the cluster configuration is not specified in the cluster nodes.	*Cause* The active node of the cluster configuration is not specified. *Action*

Message ID	Message Text	Description
		Add the Application Agent on the active node to the information source.
RPM-00754	The value of the "*Key*" acquired from "*File Name*" file exceeds the maximum limit.	*Cause* The length of the value acquired from the configuration file exceeds the maximum limit. *Action* Modify the value of the key specified in the configuration file, and then retry the operation.
RPM-00755	An unauthorized host was accessed by the specified user.	*Cause* Permissions do not exist to access the database server. *Action* To perform this operation, grant access permissions to the database server. If permissions do not exist to grant access permissions, ask the administrator to grant access permissions.
RPM-00756	The information necessary for checking the storage group does not exist.	*Cause* No information exists to check the storage group. *Action* Choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, and then refresh the configuration. If this still cannot be executed, revise the configuration.
RPM-00757	Either no copy pairs have been created for the selected storage group, or there are no copy pairs of the same copy type.	*Cause* The selected storage group or groups do not contain any copy pairs, or the copy pairs are not of the same copy type. *Action* Create copy pairs of the same copy type for the selected storage group or groups. After that, choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, and then retry the operation.
RPM-00758	Acquisition of task information failed. (task ID = *TaskID*)	*Cause* Task information might have been deleted. *Action*

Message ID	Message Text	Description
		Close the wizard, and then check for any tasks.
RPM-00759	The selected option is invalid.	*Cause* The selected option is invalid. *Action* Modify the `set` option value.
RPM-00760	The selected schedule is invalid.	*Cause* The selected schedule is invalid. *Action* Modify the selected schedule.
RPM-00761	The maximum start time that can be registered has been exceeded.	*Cause* The maximum number that can be registered as the start time has been reached. *Action* Reduce the number of different start times of replica creation tasks on the same host, and then retry the operation.
RPM-00762	The LDEV in the selected storage group is already reserved by the workflow. (storage group = *Storage Group*)	*Cause* An LDEV belonging to the selected storage group is reserved by a workflow. *Action* Wait until all tasks for the Pair Configuration Wizard are completed or clear their reservations, and then retry the operation. Reservations can be cleared by deleting the corresponding workflow and task.
RPM-00763	Acquisition of the name identifying the generation failed. (storage group = *Storage Group*)	*Cause* An attempt to obtain the generation ID has failed. *Action* Choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, and then refresh the configuration. If this still cannot be performed, revise the configuration.
RPM-00764	The same replica configuration and start times are available in the existing task. (task ID = *TaskID*)	*Cause* An existing task is already set with the same replica location, targets, options, schedule type, and start time. *Action*

Message ID	Message Text	Description
		To add a start time, use the Edit icon in the Task List window.
RPM-00765	The same replica configuration is available in the existing task. (task ID = *TaskID*)	*Cause* An existing task is already set with the same replica location, targets, options, and schedule type. *Action* Another task with the same replica settings cannot be created. Instead, use the Task List window to change the start time of the existing task with the appropriate settings.
RPM-00766	The selected replica volume is already unmounted.	*Cause* The selected volume is already unmounted. *Action* No action is required.
RPM-00767	The selected replica volume is already mounted.	*Cause* The selected volume is already mounted. *Action* No action is required.
RPM-00768	The Application Agent for the selected target was not found.	*Cause* The Application Agent that corresponds to the selected target does not exist. *Action* Choose Resources and Application, select the corresponding host from the displayed window, update the host information, and then refresh the configuration. If Application Agent is not present, add it.
RPM-00769	The selected storage group does not contain any replicas.	*Cause* There is no replica in the selected storage group. *Action* Create a replica.
RPM-00770	The backup mode of the selected replica is not VSS.	*Cause* Operation cannot be performed unless the backup mode of the selected replica is VSS. *Action* To perform restoration, use VSS when creating a replica.

Message ID	Message Text	Description
RPM-00771	The target (storage group or information store) of the selected replica does not exist.	*Cause* There is no target (storage group or information store) for the selected replica. *Action* Choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, and refresh the configuration.
RPM-00772	The secondary volume of the selected target is mounted.	*Cause* The secondary volume for the selected target is mounted. *Action* Unmount the volume, and then retry the operation.
RPM-00773	The backup server of the selected target does not exist.	*Cause* There is no backup server for the selected target. *Action* Recreate the replica.
RPM-00774	The selected storage group does not have a replica.	*Cause* No replica has been created for the selected target. *Action* To perform restoration, create a replica.
RPM-00775	The name identifying the generation in the selected storage group does not match.	*Cause* The generation IDs do not match for the selected storage groups. *Action* Unify the MU numbers of all pairs kept by the selected storage group.
RPM-00776	The selected storage group does not have any information stores. (storage group = *Storage Group*)	*Cause* There is no information store for the selected storage group. *Action* Create an information store for the target storage group, update the host information, and then retry the operation.
RPM-00777	The secondary LDEV in the pair that belongs to the storage group is already reserved by the workflow. (storage group = *Storage Group*)	*Cause* The secondary LDEV in the storage group pair has been reserved by a workflow. *Action*

Message ID	Message Text	Description
		Either wait for the tasks in the Pair Configuration Wizard to complete or clear their reservations, and then retry the operation. Reservations can be cleared by deleting the corresponding workflows and tasks.
RPM-00778	The selected task is currently executing. (task ID = *TASK ID*)	*Cause* The selected task is executing. *Action* After the task is finished executing, retry the operation.
RPM-00779	The pair operation in the selected storage group is currently executing.	*Cause* The selected storage group contains an executing pair. Because problems might occur if multiple pairs execute at the same time, a task to be executed immediately cannot be created. *Action* After the task execution for the currently executing pair is completed, retry the operation.
RPM-00780	An LDEV of the selected target contains both log files and data files.	*Cause* Restoration cannot be performed, because data files and log files exist on the same LDEV. *Action* To perform restoration, log files and data files need to exist on different LDEVs. Create a replica for a configuration in which log files and data files are allocated to different LDEVs, and then restore the created replica.
RPM-00781	Restoration failed because the selected target does not have a copy pair.	*Cause* Restoration cannot be performed because there is no copy pair in the selected target. *Action* Create a copy pair for restoration, and then create a replica.
RPM-00782	The generation in the replica target does not match the generation in the selected task. (task ID = *TASK ID*)	*Cause* The target generation in the selected target and the target generation in the selected task are different. *Action* Unify the target generations, and then retry the operation. To unify the

Message ID	Message Text	Description
		target generations, the MU numbers must also be unified.
RPM-00783	The specified user has already been deleted by another user.	*Cause* The specified user has already been deleted by another user. *Action* Reopen the User Role window to refresh the information.
RPM-00784	One or more selected storage groups do not have any volumes assigned to them on a storage system.	*Cause* No storage system volumes are allocated to the selected storage groups. *Action* Allocate one or more storage system volumes to the storage group, and then choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, and then retry the operation.
RPM-00785	Volumes allocated to one more selected storage groups are not managed by Device Manager.	*Cause* The volume allocated to the selected storage group is not managed by HDvM. *Action* To manage the volumes from Replication Manager, add the storage system from Device Manager, and then update the configuration information from Replication Manager.
RPM-00786	The copy group configuration for the selected storage group is invalid.	*Cause* The selected storage groups consist of multiple copy groups. *Action* To manage a storage group from Replication Manager, a copy group must manage all volumes in the storage group. If the copy group can manage only some of the volumes in the storage group, modify the configuration so that all the volumes in the storage group are included in the copy group.
RPM-00787	The specified task has already been deleted by another user.	*Cause* The selected task has already been deleted by another user. *Action*

Message ID	Message Text	Description
		The specified task has already been deleted. Refresh the window.
RPM-00788	A task involving the copy group is in the "Executing" state.	*Cause* The task of a copy group that is being used in another target, is currently executing. *Action* After execution ends for the copy group that is being used in another target, retry the operation.
RPM-00789	Remote copy groups involved in 3DC multi-target configuration contains Mirror ID as zero.	*Cause* 0 is specified as the mirror ID of a remote copy in the 3DC multi-target configuration. *Action* Specify anything other than 0 for the mirror ID of a remote copy in the 3DC multi-target configuration.
RPM-00790	Another user has changed the permissions of specified user "*User Name*".	*Cause* The permissions for the specified user were changed by other users. *Action* Reopen the User Role window to refresh the information.
RPM-00791	One or more selected storage groups do not contain any local pairs.	*Cause* There are no local copy pairs in the selected storage group. *Action* Create a local copy pair, choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, refresh the configuration, and then retry the operation.
RPM-00792	The secondary host information required to mount a volume was not found.	*Cause* The secondary host information required for mounting a volume does not exist. *Action* Make sure the following conditions are satisfied: 1. The task for creating a replica exists. 2. The task for creating a replica has been executed successfully at least once. 3. After the task for creating a replica has been executed

Message ID	Message Text	Description
		successfully, and by choosing **Resources**, **Application**, the host information has been updated from the window that displays the list.
RPM-00793	One or more selected storage groups do not contain any remote pairs.	*Cause* The selected storage groups do not contain a remote pair. *Action* Create a remote copy pair, choose **Resources** and **Application**, select the corresponding host from the displayed window, update the host information, refresh the configuration, and then retry the operation.
RPM-00794	The secondary host information required to unmount a volume was not found.	*Cause* The secondary host information required for unmounting a volume does not exist. *Action* Make sure that the following conditions are satisfied: 1. The task for creating a replica exists. 2. The task for creating a replica has been executed successfully at least once. 3. After the task for creating a replica has been executed successfully, and by choosing **Resources**, **Application**, the host information has been updated from the window that displays the list.
RPM-00795	The selected task operations are not supported.	*Cause* An option that is not supported by Replication Manager is set in the selected task. Operations other than deleting or canceling cannot be performed for this task. *Action* Operations other than deleting or canceling cannot be performed for tasks that contain settings with options that are not supported by Replication Manager.
RPM-00796	The message was deleted because its data retention period expired.	*Cause* The message for the corresponding task cannot be used, because the

Message ID	Message Text	Description
		data retention period set for the task has expired. *Action* The corresponding task is deleted due to data retention period expiration. Refresh the window to display the latest information.
RPM-00797	The selected copy group does not contain any copy pairs. (copy group = *Copy Group Name*)	*Cause* If all pairs in the target copy group have been deleted for the task to change the copy pair status, the Execute Task button cannot be clicked to open the Task Execution window. *Action* If a copy pair definition exists, create a copy pair. If no copy pair definition exists, the task cannot be executed.
RPM-00798	The selected storage group contains copy groups that do not extend across all primary volumes.	*Cause* One or more of the copy groups in the selected storage group does not use all primary volumes. *Action* Start the Pair Configuration Wizard from other than the application view, and then edit the configuration definition file. If you edit the configuration definition file directly, refresh the configuration after editing.
RPM-00799	A task that operates on the copy group has been scheduled to run.	*Cause* This operation cannot be performed, because the task related to the current operation target copy group is still executable, or is waiting for scheduled execution. *Action* Cancel all tasks (executable or set for scheduled execution) related to the operation target copy group, and then retry the operation.
RPM-00820	A connection with the Common Component database cannot be established.	*Cause* A connection with the Hitachi Command Suite Common Component database cannot be established. Alternatively, the Common Component database is not running. *Action*

Message ID	Message Text	Description
		Use the `hcmdssrv` command to terminate Hitachi Command Suite Common Component, and then start this component. If the problem cannot be corrected by taking the above actions, collect the maintenance information and then contact the Support Center.
RPM-00821	Acquisition of data from the Common Component database has failed.	*Cause* Acquisition of data from the Hitachi Command Suite Common Component database has failed. *Action* Using Web Client of Replication Manager, refresh the information of the entire system.
RPM-00822	An attempt to write data to the Common Component database has failed.	*Cause* An attempt to write data to the Hitachi Command Suite Common Component database has failed. *Action* Using Web Client of Replication Manager, refresh the information of the entire system. If this message still appears, terminate Hitachi Command Suite Common Component by using the `hcmdssrv`command, and then restart it. If this message still appears even after taking the above action, uninstall Hitachi Command Suite products and then re-install it. Note that this operation will delete all data previously specified in Hitachi Command Suite products.
RPM-00823	The data in the Common Component database is invalid.	*Cause* The data in the Hitachi Command Suite Common Component database is invalid. *Action* Using Web Client of Replication Manager, refresh the information of the entire system. If this message still appears even after taking the above action, uninstall Hitachi Command Suite products and then re-install it. Note that this operation will delete all data previously specified in Hitachi Command Suite products.
RPM-00824	The storage area of the Common Component database is full.	*Cause*

Message ID	Message Text	Description
		In the Hitachi Command Suite Common Component database, the storage area allocated is insufficient. *Action* Allocate sufficient capacity on the disk, such as by deleting any unnecessary files.
RPM-00831	An unexpected error occurred.	*Cause* The data for internal processing is invalid. *Action* None
RPM-00853	The definition information is incorrect.	*Cause* The content of a file created during installation is incorrect. *Action* Uninstall Hitachi Command Suite products, and then re-install it. Note that this operation will delete all data previously specified in Hitachi Command Suite products.
RPM-00854	An attempt to execute an internal command has failed. (command file name = *command-file-name*)	*Cause* An attempt to execute a command used internally in Replication Manager has failed. *Action* Check the amount of free memory on the computer that runs Replication Manager. If there is not enough free memory, increase it by stopping unnecessary programs that are running concurrently. If this message still appears even after taking the above action, uninstall Hitachi Command Suite products and then re-install it. Note that this operation will delete all data previously specified in Hitachi Command Suite products.
RPM-00855	A file required to execute processing does not exist. (file name = *file-name*)	*Cause* A file required for internal processing of Replication Manager was not found. *Action* Uninstall Hitachi Command Suite products, and then re-install it. Note that this operation will delete all data previously specified in Hitachi Command Suite products.

Message ID	Message Text	Description
RPM-00856	An error occurred during communication with the Common Component database.	*Cause* A database access error occurred during internal processing of Replication Manager. *Action* Check whether the Hitachi Command Suite Common Component service is running. If the service is running, terminate Hitachi Command Suite Common Component by using the `hcmdssrv`command, and then restart it. If this message still appears even after taking the above action, uninstall Hitachi Command Suite products and then re-install it. Note that this operation will delete all data previously specified in Hitachi Command Suite products.
RPM-00857	An attempt to delete data for the Common Component database has failed.	*Cause* An attempt to delete data for the Hitachi Command Suite Common Component database has failed. *Action* Using Web Client for Replication Manager, refresh the information of the entire system. If this message still appears, terminate Hitachi Command Suite Common Component by using the `hcmdssrv`command, and then restart it. If this message still appears even after taking the above action, uninstall Hitachi Command Suite products and then re-install it. Note that this operation will delete all data previously specified in Hitachi Command Suite products.
RPM-00858	A deadlock occurred in the Common Component database.	*Cause* A deadlock occurred in the Hitachi Command Suite Common Component database. *Action* Using Web Client for Replication Manager, refresh the information of the entire system. If this message still appears, terminate Hitachi Command Suite Common Component by using the `hcmdssrv`command, and then restart it. If this message still appears even after taking the above action, uninstall Hitachi Command Suite products and then re-install it. Note

Message ID	Message Text	Description
		that this operation will delete all data previously specified in Hitachi Command Suite products.
RPM-00861	Database processing was canceled because the service is stopping.	*Cause* Database processing was canceled because the Hitachi Command Suite Common Component service is stopping. *Action* Database processing was canceled because processing to stop a service was performed. After restarting the service, check the windows where processing was in progress. If the windows do not reflect the operation results, try the operation again.
RPM-00862	The Replication Manager server database is blocked.	*Cause* The Replication Manager server database is blocked. *Action* None
RPM-00863	An identifier with the same name is already defined.	*Cause* An identifier with the same name is already defined. *Action* No user action is required.
RPM-01000	The URL for calling the Device Manager server function is invalid. (URL = *URL*)	*Cause* The URL for calling the Device Manager server function is invalid. Alternatively, the Device Manager server has not started. *Action* Make sure that the Device Manager server to be connected has started. Alternatively, make sure that the port number of the Device Manager to be connected is set correctly. If the value is invalid, correct it. If the problem persists, contact the Support Center.
RPM-01001	An attempt to authenticate the user for calling the Device Manager server function has failed.	*Cause* Authentication for accessing the Device Manager server has failed. *Action* Make sure that the user ID and the password for accessing the Device Manager server are correct.

Message ID	Message Text	Description
		If the problem persists, contact the Support Center.
RPM-01002	The request to the Device Manager server function is invalid.	*Cause* The Device Manager server has not accepted the request. *Action* Make sure that the correct version of the Device Manager server is installed correctly. If the problem persists, contact the Support Center.
RPM-01003	The response from the Device Manager server could not be parsed.	*Cause* The response information from the Device Manager server could not be parsed. The Device Manager server response might be unknown. *Action* Make sure that the correct version of the Device Manager server is installed correctly. If the problem persists, contact the Support Center.
RPM-01004	An attempt to call the Device Manager server function has failed. (Device Manager server's error code = *Device-Manager-error-code*, Device Manager server's error message = *Device-Manager-error-message*)	*Cause* An error occurred during processing on the Device Manager server. *Action* See this manual and check the Device Manager error code and error message displayed in the message. If necessary, also see the Device Manager server log, and correct the problem. An error might have occurred due to Replication Manager not having the latest configuration information. Refresh the storage system information so that Replication Manager has the latest configuration information.
RPM-01005	Information required to proceed with processing is lacking.	*Cause* Information required to perform the processing is lacking. *Action* Make sure that Replication Manager is installed correctly. If the problem persists, contact the Support Center.

Message ID	Message Text	Description
RPM-01006	Processing could not proceed because information required to proceed with processing is invalid.	*Cause* Information required to perform the processing is invalid. *Action* Make sure that Replication Manager is installed correctly. If the problem persists, contact the Support Center.
RPM-01007	An attempt to call the Device Manager server function has failed. (Device Manager server's error code = *Device-Manager-error-code*, Device Manager server's error message = *Device-Manager-error-message*)	*Cause* A warning occurred during processing on the Device Manager server. *Action* See this manual and check the Device Manager error code and error message displayed in the message. If necessary, also see the Device Manager server log, and correct the problem.
RPM-01008	The call to the Device Manager server function timed out.	*Cause* Calling of the Device Manager server function has timed out. *Action* Processing might take a long time in a large-scale configuration. If this is the case, increase the value of `ssif.socketTimeout` in the `serverstorageif.properties` file, and then retry the operation.
RPM-01009	The connection to the Device Manager server has timed out.	*Cause* The connection to the Device Manager server has timed out. *Action* Connection processing might take a long time, depending on the load on the Device Manager server. Make sure that the load on the Device Manager server is not heavy, and then retry the operation. If the problem persists, contact the Support Center.
RPM-01010	An unexpected error occurred.	*Cause* An internal error occurred. The library used internally by Replication Manager might be invalid. *Action* Make sure that the correct version of the Device Manager server is installed correctly. Also make sure that

Message ID	Message Text	Description
		Replication Manager is installed correctly. If the problem persists, contact the Support Center.
RPM-01011	An error occurred during user ID and password encoding.	*Cause* The specified character encoding is not supported. The library used internally by Replication Manager might be invalid. *Action* Make sure that Replication Manager is installed correctly. If the problem persists, contact the Support Center.
RPM-01012	The response is invalid.	*Cause* The response information from the Device Manager server is invalid. *Action* Make sure that the correct version of Device Manager server is installed correctly. Alternatively, make sure that the port number of the Device Manager to be connected is set correctly. If the value is invalid, correct it. If the problem persists, contact the Support Center.
RPM-01013	An error occurred while connecting to the Device Manager server.	*Cause* An error occurred during connection to the Device Manager server. *Action* Take the following actions: 1. Check the status of the Device Manager server service. If the service has stopped, start the service and then retry the operation. 2. Make sure that the setting of the Device Manager server to be connected is correct. Check the setting in the Device Manager subwindow. (To display this subwindow, from the Explorer menu, choose **Administration**, **Information Source**, and then **Device Manager**.) If the value is invalid, correct it. 3. If these actions do not correct the problem, collect maintenance

Message ID	Message Text	Description
		information and contact the Support Center.
RPM-01014	An error occurred while communicating with the Device Manager server.	*Cause* An error occurred during data communication from the Device Manager server. *Action* Check the status of the Device Manager server service. If the service has stopped, start the service, and then retry the operation. If the service is running, make sure that the network and the Device Manager server are not heavily loaded, and then retry the operation. If this problem occurs in Hitachi Virtual Storage Platform or Hitachi Virtual Storage Platform G1000, the following note might be applied: The maximum number of V-VOLs that can be created at the same time by using the Create V-VOL Wizard is 900. Note that if you set 141,500 for the `server.http.entity.maxLength` property (the maximum data length that can be received by the Device Manager server) in the `server.properties` file of the Device Manager server, you can change the maximum number of V-VOLs that can be created at the same time by using Create V-VOL Wizard to 1,024. For details about how to set the above property, see the *Hitachi Command Suite Administrator Guide*. If the problem persists, contact the Support Center.
RPM-01015	An error occurred while communicating with the Device Manager server.	*Cause* There might be a problem in the security settings related to communication between management servers. *Action* Take the following actions: 1. See *Hitachi Command Suite Replication Manager Configuration Guide*, and check the security settings related to communication between management servers.

Message ID	Message Text	Description
		2. Check the security settings related to communication with the connected product. 3. If these actions do not resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-01400	The URL for calling the Business Continuity Manager or Mainframe Agent function is invalid. (URL = *URL*)	*Cause* The URL for calling the Business Continuity Manager or Mainframe Agent function is invalid. *Action* Make sure that the IP address and port number used to connect to Business Continuity Manager or Mainframe Agent are correct. If the problem is not the IP address and port number, make sure that Business Continuity Manager or Mainframe Agent is set up correctly. If neither of these actions corrects the problem, contact the Support Center.
RPM-01401	An attempt to authenticate the user for calling the Business Continuity Manager or Mainframe Agent function has failed.	*Cause* An attempt to authenticate the user to Business Continuity Manager or Mainframe Agent has failed. *Action* Make sure that the user ID and password used for accessing Business Continuity Manager or Mainframe Agent are correct. If the problem persists, contact the Support Center.
RPM-01402	The request to the Business Continuity Manager or Mainframe Agent function is invalid.	*Cause* Business Continuity Manager or Mainframe Agent did not accept the request. *Action* Make sure that the correct version of Business Continuity Manager or Mainframe Agent is installed correctly. If the problem persists, contact the Support Center.
RPM-01403	The response from Business Continuity Manager or Mainframe Agent could not be parsed.	*Cause* The information returned from Business Continuity Manager or Mainframe Agent could not be analyzed. The response from Business Continuity Manager or Mainframe Agent might be unknown data.

Message ID	Message Text	Description
		Action Make sure that the correct version of Business Continuity Manager or Mainframe Agent is installed correctly. If the problem persists, contact the Support Center.
RPM-01404	An attempt to call the Business Continuity Manager or Mainframe Agent function has failed. (error code = *error-code*, error message = *error-message*)	*Cause* An error occurred during processing by Business Continuity Manager or Mainframe Agent. *Action* See Hitachi Business Continuity Manager Messages or the Hitachi Command Suite Mainframe Agent Installation and Configuration Guide to check the error code and error message displayed in the message. If necessary, also check the log data for Business Continuity Manager or Mainframe Agent. Use this information to correct the problem.
RPM-01405	Information required to proceed with processing is lacking.	*Cause* Information required to perform the processing is lacking. *Action* Make sure that Replication Manager is installed correctly. If the problem cannot be corrected, contact the Support Center.
RPM-01406	Processing could not proceed because required information is invalid.	*Cause* Information required to perform the processing is invalid. *Action* Make sure that Replication Manager is installed correctly. If the problem persists, contact the Support Center.
RPM-01407	An attempt to call the Business Continuity Manager or Mainframe Agent function has failed. (error code = *error-code*, error message = *error-message*)	*Cause* A warning occurred during processing by Business Continuity Manager or Mainframe Agent. *Action* See Hitachi Business Continuity Manager Messages or the Hitachi Command Suite Mainframe Agent Installation and Configuration Guide to check the error code and error message displayed in the message.

Message ID	Message Text	Description
		If necessary, also check the log data for Business Continuity Manager or Mainframe Agent. Use this information to correct the problem.
RPM-01408	The call to the Business Continuity Manager or Mainframe Agent function timed out.	*Cause* The call to the Business Continuity Manager or Mainframe Agent function has timed out. *Action* In a large-scale configuration, the acquisition of information might take a long time. Make sure that the network load and the Business Continuity Manager or Mainframe Agent load are not heavy, and then retry the operation. If the problem persists, contact the Support Center.
RPM-01409	The connection to the Business Continuity Manager or Mainframe Agent has timed out.	*Cause* An attempt to establish a connection to the Business Continuity Manager or Mainframe Agent has timed out. *Action* Take the following actions: 1. Make sure that the Business Continuity Manager or Mainframe Agent is running correctly. 2. Processing to establish a connection might require time depending on the Business Continuity Manager or Mainframe Agent load. Make sure that the Business Continuity Manager or Mainframe Agent is not under heavy load, and then perform the processing again. 3. Make sure that the setting of the Business Continuity Manager or Mainframe Agent to be connected is correct. Check the setting in the BC Manager or Mainframe Agent subwindow. (To display this subwindow, from the Explorer menu, choose **Administration**, **Information Source**, and then **BC Manager or Mainframe Agent**.) If the value is invalid, correct it. 4. If the problem cannot be corrected, contact the Support Center.

Message ID	Message Text	Description
RPM-01410	An unexpected error occurred.	*Cause* An internal error occurred. The library used internally by Replication Manager might be invalid. *Action* Make sure that the correct version of Business Continuity Manager or Mainframe Agent is installed correctly. Also make sure that Replication Manager is installed correctly. If the problem persists, contact the Support Center.
RPM-01411	An error occurred during user ID and password encoding.	*Cause* The character code set used is not supported. The library used in Replication Manager might be invalid. *Action* Make sure that Replication Manager is installed correctly. If the problem persists, contact the Support Center.
RPM-01412	The response is invalid.	*Cause* The response information from Business Continuity Manager or Mainframe Agent is invalid. *Action* Make sure that the correct version of Business Continuity Manager or Mainframe Agent is installed correctly. If the problem persists, contact the Support Center.
RPM-01413	An error occurred while connecting to the Business Continuity Manager or Mainframe Agent.	*Cause* An error occurred during connection to the Business Continuity Manager or Mainframe Agent. *Action* Take the following actions: 1. Make sure the correct version of Business Continuity Manager or Mainframe Agent is installed correctly. 2. Make sure that the Business Continuity Manager or Mainframe Agent is running correctly. 3. Make sure that the setting of the Business Continuity Manager or Mainframe Agent to be connected is correct. Check the setting in the BC Manager or Mainframe

Message ID	Message Text	Description
		Agent subwindow. (To display this subwindow, from the Explorer menu, choose **Administration**, **Information Source**, and then **BC Manager or Mainframe Agent**.) If the value is invalid, correct it. 4. If the problem cannot be corrected, contact the Support Center.
RPM-01414	An error occurred while communicating with the Business Continuity Manager or Mainframe Agent.	*Cause* An error occurred during data communication with Business Continuity Manager or Mainframe Agent. *Action* Make sure that the correct version of Business Continuity Manager or Mainframe Agent is installed correctly. Also, make sure that the network, Business Continuity Manager, and Mainframe Agent are not heavily loaded, and then retry the operation. If the problem persists, contact the Support Center.
RPM-01415	The request was not accepted by Business Continuity Manager or Mainframe Agent.	*Cause* The request from Replication Manager could not be processed because Business Continuity Manager or Mainframe Agent was under a heavy load. *Action* Retry the operation. If the problem persists, contact the Support Center.
RPM-01416	This function is not supported by the Business Continuity Manager or Mainframe Agent.	*Cause* The version of Business Continuity Manager or Mainframe Agent might be an old version. *Action* Make sure that the correct version of Business Continuity Manager or Mainframe Agent has been installed properly. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-01417	An error occurred while communicating with the Business Continuity Manager or Mainframe Agent.	*Cause* There might be a problem in the security settings related to

Message ID	Message Text	Description
		communication between management servers. *Action* Take the following actions: 1. See *Hitachi Command Suite Replication Manager Configuration Guide*, and check the security settings related to communication between management servers. 2. Check the security settings related to communication with the connected product. 3. If these actions do not resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-01600	The argument is invalid.	*Cause* An invalid argument was passed during internal processing by the Replication Manager agent. *Action* Contact the Support Center.
RPM-01601	An attempt to connect to the service control process of the Device Manager agent has failed.	*Cause* An attempt to connect to the service control process of the Device Manager agent has failed. *Action* Take the following actions: 1. Make sure that the Device Manager agent is installed correctly. 2. Make sure that the Device Manager agent service is running. 3. If the value of `server.agent.port` in the `server.properties` file of the Device Manager agent has been changed, refresh the configuration to show the latest information. 4. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-01602	An attempt to connect to the service execution process of the Device Manager agent has failed.	*Cause* An attempt to connect to the service execution process of the Device Manager agent has failed. *Action*

Message ID	Message Text	Description
		Take the following actions: 1. Make sure that the Device Manager agent is installed correctly. 2. Make sure that the Device Manager agent service is running. 3. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-01603	An attempt to connect to the service control process of the Device Manager agent has been refused.	*Cause* Possible causes are as follows: 1. An attempt to connect to the service control process of the Device Manager agent was refused. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-01604	An attempt to connect to the service execution process of the Device Manager agent has been refused.	*Cause* Possible causes are as follows: 1. An attempt to connect to the service execution process of the Device Manager agent was refused. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device

Message ID	Message Text	Description
		Manager agent property `server.http.entity.maxLength`.
RPM-01605	An attempt to connect to the service control process of the Device Manager agent has been refused.	*Cause* An attempt to connect to the service control process of the Device Manager agent was refused. *Action* Retry the operation. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-01606	An invalid response was received from the service control process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An invalid response was received from the service control process of the Device Manager agent. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. 3. The Device Manager agent's has a memory error. *Action* If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`. If the cause of the problem is 3, change the value of `server.agent.maxMemorySize` of the Device Manager agent. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-01607	An invalid response was received from the service execution process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An invalid response was received from the service execution process of the Device Manager agent. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action*

Message ID	Message Text	Description
		If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-01608	An unrecognizable request was received.	*Cause* A request that the Replication Manager agent did not recognize was received. *Action* Make sure that the Device Manager agent is installed correctly. Also, make sure that the Replication Manager server version and the Replication Manager agent version meet the prerequisite requirements. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-01609	The connection to the Device Manager agent has timed out.	*Cause* The connection to the Device Manager agent has timed out. *Action* Make sure that the load on the host on which the Replication Manager agent is installed is not heavy. Also note that processing might take a long time if the Replication Manager agent is handling many pairs. If this is the case, increase the value of `agentif.responseTimeout` in the `agentif.properties` file, and then retry the operation.
RPM-01610	CCI / RAID Manager was not found.	*Cause* CCI was not found. *Action* If CCI has not been installed, install it. If CCI has been installed, specify a value of `server.agent.rm.location` or `server.agent.rmxp.location` in the `server.properties` file, and then retry the operation.
RPM-01611	The CCI / RAID Manager version is old.	*Cause* The version of CCI is old. *Action*

Message ID	Message Text	Description
		Install a new version of CCI.
RPM-01612	The connection to the Device Manager agent has timed out.	*Cause* The connection to the Device Manager agent has timed out. *Action* Make sure that the load on the host on which the Replication Manager agent is installed is not heavy. If the load on the host is heavy, increase the value of `agentif.responseTimeout` in the `agentif.properties` file, and then retry the operation.
RPM-01613	An unexpected error occurred.	*Cause* An unexpected error occurred. *Action* Make sure that the correct version of the Device Manager agent is installed correctly. If the problem persists, contact the Support Center.
RPM-01614	An error occurred while communicating with the service execution process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An attempt to communicate with the service execution process of the Device Manager agent has failed. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent has started successfully. Also, make sure that the network and the host on which the Device Manager agent is installed are not heavily loaded, and then retry the operation. If the problem cannot be corrected, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-01615	An error occurred while communicating with the service control process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An attempt to communicate with the service control process of the Device Manager agent has failed.

Message ID	Message Text	Description
		2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent has started successfully. Also, make sure that the network and the host on which the Device Manager agent is installed are not heavily loaded, and then retry the operation. If the problem persists, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-01618	An unexpected parsing error occurred.	*Cause* An unexpected error occurred during internal processing. *Action* Make sure that the correct version of the Device Manager agent is installed correctly. If the problem persists, contact the Support Center.
RPM-01619	The environment is invalid.	*Cause* The environment settings are invalid. *Action* Check the Device Manager agent settings file.
RPM-01620	A Java runtime error occurred.	*Cause* A Java runtime error occurred. *Action* Contact the Support Center.
RPM-01621	An internal read/write error occurred.	*Cause* An error occurred during reading or writing to the file. *Action* Update the configuration information, and then retry the operation. If the error occurs again, contact the Support Center.
RPM-01622	A time out occurred while executing a CCI / RAID Manager command.	*Cause* A timeout occurred during execution of the CCI command. *Action*

Message ID	Message Text	Description
		Retry the operation. If the error occurs again, contact the Support Center.
RPM-01623	The CCI / RAID Manager command was not executed.	*Cause* The CCI command was not executed. *Action* Retry the operation. If the error occurs again, contact the Support Center.
RPM-01624	The process timed out because the Device Manager agent did not return the response within the allotted time.	*Cause* A timeout occurred during synchronous execution between the Replication Manager server and the Device Manager agent. *Action* Change the value of `agent.rm.TimeOut` in the `agent.properties` file of the Device Manager agent.
RPM-01625	An attempt to stop the CCI / RAID Manager instance has failed.	*Cause* An attempt to stop the CCI instance (HORCM instance) has failed. *Action* Check the return code of the `horcmshutdown` command of CCI, which stops an instance.
RPM-01626	The CCI / RAID Manager environment is invalid.	*Cause* The CCI environment is invalid. *Action* Make sure that the correct version of the CCI is installed correctly. If the problem cannot be corrected, contact the Support Center.
RPM-01627	The configuration information is not the most recent.	*Cause* Configuration information cannot be obtained because the configuration has been changed. *Action* Update configuration information, and then retry the operation.
RPM-01628	The HORCM instance specified for monitoring is already in use.	*Cause* There might be a problem with the instance number used in the monitoring configuration definition file. *Action*

Message ID	Message Text	Description
		In the `agent.properties` file of the appropriate host, change the values of one or more of the following: `agent.rm.horcmInstance`, `agent.rm.horcmService`, and agent.rm.`horcm`Range. For descriptions of `agent.rm.horcmInstance`, `agent.rm.horcmService`, and agent.rm.`horcm`Range, see the Hitachi Command Suite Administrator Guide.
RPM-01629	An attempt to call the Device Manager agent has failed. (Agent-error-code: *Device-Manager-Agent-error-code*)	*Cause* An error occurred in the service execution process of the Device Manager agent. *Action* Make sure that the Device Manager agent is running correctly. If the problem cannot be corrected, collect the maintenance information and contact the Support Center.
RPM-01630	The request from the Replication Manager server could not be processed because the host is under a heavy load.	*Cause* A Replication Manager request could not be handled because the load on the host is too heavy at the moment. *Action* If multiple Replication Manager server instances are monitoring hosts, perform one of the following: • Have only one Replication Manager server instance perform host monitoring. • Put all Replication Manager server instances except one in maintenance mode.
RPM-01631	The request could not be processed because the request came from multiple Replication Manager servers.	*Cause* The request could not be processed because requests from multiple Replication Manager server instances were received. *Action* Perform either of the following: • Have only one Replication Manager server instance perform host monitoring. • Put all Replication Manager server instances except one in maintenance mode.

Message ID	Message Text	Description
RPM-01632	The user has not been authenticated for the storage system.	*Cause* The user authentication has not been completed, so the procedure could not be performed. The configuration managed by Replication Manager is one of the two configurations below, and requires user authentication. • A configuration in which the pair management server uses the SVP as a virtual command device. • A configuration in which the pair management server uses a command device that has the user authentication attribute enabled. *Action* Depending on your configuration, do one of the following. If you have a configuration in which the pair management server uses the SVP as a virtual command device, authenticate the user by doing the following: 1. Make sure that you are using a supported version of CCI. 2. Authenticate the user in the storage system. If you have a configuration in which the pair management server uses a command device that has the user authentication attribute enabled, enable or disable the user authentication setting as follows: • To enable this setting, follow the steps above used to authenticate the user whose configuration uses SVP as the virtual command device. • To disable this setting, disable the user authentication attribute of the command device.
RPM-01633	The operation failed because the user of the command device in the storage system could not be authenticated. (Pair management server = *Pair management server*)	*Cause* The user of the command device was not authenticated. *Action* Authenticate the user of the command device, and then retry the operation.
RPM-01634	An internal error occurred in the Device Manager agent.	*Cause*

Message ID	Message Text	Description
		Temporary instance numbers or service numbers for Device Manager agent might be in use. *Action* Check, and if necessary, revise the usage status for the instance numbers and service numbers of RAID Manager. For this system, use numbers within the specified range for the following properties of the `server.properties` file: • For instance numbers: server.agent.rm.temporaryInstance • For service numbers: server.agent.rm.temporaryPort. For Windows Server 2008 and later, because the service numbers might be in use by the OS, change the service numbers being used by this system. For details, see Hitachi Command Suite Administrator Guide.
RPM-01635	An error occurred while a Device Manager agent command was being executed.	*Cause* The RAID Manager command terminated abnormally. The requirements for the copy pair operation might not be met. *Action* Consult the RAID Manager manual, and confirm that the operation requirements for the implemented copy pair are met. If the problem cannot be corrected, collect the maintenance information and contact the Support Center.
RPM-01636	The Device Manager agent has become unable to be executed.	*Cause* The RAID Manager command has become unable to be executed. *Action* Confirm that the RAID Manager command operates correctly.If the problem cannot be corrected, collect the maintenance information and contact the Support Center.
RPM-01637	An internal error occurred in the Device Manager agent.	*Cause* An I/O error occurred while creating the configuration definition file that will be used temporarily in the Device Manager agent. *Action*

Message ID	Message Text	Description
		If the problem is not resolved, a detailed investigation is required. Collect the maintenance information and contact the Support center.
RPM-01638	The operation failed because user authentication for the user of the command device in the storage system is disabled. (Pair management server = *Pair management server*)	*Cause* User authentication for the command device is disabled. *Action* Enable the user authentication setting for the command devices that are connected to the pair management server, authenticate the user, and then retry the operation.
RPM-01639	The selected snapshot group name, or a snapshot group name included in the same topology, contains unsupported characters.	*Cause* The selected snapshot group name, or a snapshot group name included in the same topology, contains unsupported characters. *Action* Check and, if necessary, revise the snapshot groups so that no names contain unsupported characters, and then retry the operation.
RPM-01640	The request has failed. Snapshot group names must not include character('#').	*Cause* Snapshot group names must not include character('#'). *Action* Snapshot group names must not include character('#'). Check the request, and then retry.
RPM-01641	Failed to pass the user authentication.	*Cause* Possible causes are as follows: • User password is changed after being registered the target storage to Device Manager Server. • The target storage is not registered to Device Manager Server. *Action* Take the following actions: 1. Check the user name or password to storage authentication. 2. Check the target storage is registered to Device Manager Server.
RPM-01642	An error occurred during user password being collected.	*Cause* Possible causes are as follows:

Message ID	Message Text	Description
		• The port number is not for SSL communication. • The truststore file on the Device Manager Agent and at the connection destination are different. • The truststore file is no longer valid. • The cipher suite differ by the Device Manager Agent and at the connection destination. • It is possible to be set incorrectly the host name or IP address of the Device Manager server, and the port number. • It is possible to work incorrectly the Device Manager server. • It is possible that the `server.http.entity.maxLength` property that exists in the `server.properties` file of the Device Manager server is smaller than Content-Length shown in KAIC20854-I. *Action* Take the following actions: 1. Check the value of `server.server.serverPort` in the `server.properties` file. 2. Check the contents of the truststore file. 3. Check whether the cipher suite specified by the connection destination can use it by Java currently used by the Device Manager Agent. 4. Make sure that the network environment, including a firewall, is operating properly. 5. Make sure that the host name or IP address of the Device Manager server, and the port number are set correctly. 6. Make sure that the Device Manager server is working correctly. 7. Make sure that the `server.http.entity.maxLength` property that exists in the `server.properties` file of the Device Manager server is larger

Message ID	Message Text	Description
		than Content-Length shown in KAIC20854-I. 8. If this does not solve the problem, collect maintenance information, and then contact the Support Center.
RPM-03300	The argument is invalid.	*Cause* An invalid argument was passed during internal processing. *Action* If the message is displayed when you create copy pair, check copy pair creation conditions satisfied. When you create a copy pair with a volume on a virtual storage machine, make sure that a virtual LDEV ID is assigned. If the problem cannot be corrected by taking the above actions, collect the maintenance information and then contact the Support Center.
RPM-03301	An attempt to connect to the service control process of the Device Manager agent has failed.	*Cause* An attempt to connect to the service control process of the Device Manager agent has failed. *Action* Take the following actions: 1. Make sure that the Device Manager agent is installed correctly. 2. Make sure that the Device Manager agent service is running. 3. If the value of `server.agent.port` in the `server.properties` file of the Device Manager agent has been changed, refresh the configuration to show the latest information. 4. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03302	An attempt to connect to the service execution process of the Device Manager agent has failed.	*Cause* An attempt to connect to the service execution process of the Device Manager agent has failed. *Action* Take action according to the following procedure:

Message ID	Message Text	Description
		1. Make sure that the Device Manager agent is installed correctly. 2. Make sure that the Device Manager agent service has started. 3. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03303	An attempt to connect to the service control process of the Device Manager agent has been refused.	*Cause* Possible causes are as follows: 1. An attempt to connect to the service control process of the Device Manager agent has been refused. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-03304	An attempt to connect to the service execution process of the Device Manager agent has been refused.	*Cause* Possible causes are as follows: 1. An attempt to connect to the service execution process of the Device Manager agent has been refused. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the problem cannot be corrected, collect the maintenance information and contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.

Message ID	Message Text	Description
RPM-03305	An attempt to connect to the service control process of the Device Manager agent has been refused.	*Cause* An attempt to connect to the service control process of the Device Manager agent was refused. *Action* Retry the operation. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03306	An invalid response was received from the service control process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An invalid response was received from the service control process of the Device Manager agent. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-03307	An invalid response was received from the service execution process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An invalid response was received from the service execution process of the Device Manager agent. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.

Message ID	Message Text	Description
RPM-03308	The connection to the Device Manager agent has timed out.	*Cause* The connection to the Device Manager agent has timed out. *Action* Make sure that the load on the host on which the Device Manager agent is installed is not heavy. If the load on the host is heavy, increase the value of `hdvmagtif.connectTimeout` in the `agentif.properties` file, and then retry the operation.
RPM-03309	The connection to the Device Manager agent has timed out.	*Cause* The connection to the Device Manager agent has timed out. *Action* Make sure that the load on the host on which the Device Manager agent is installed is not heavy. Processing might take a long time when the Device Manager agent is handling many pairs. If this is the case, increase the value of `hdvmagtif.responseTimeout` in the `agentif.properties` file, and then retry the operation.
RPM-03310	An unexpected error occurred.	*Cause* An unexpected error occurred. *Action* Make sure that the correct version of the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03311	An error occurred while communicating with the service execution process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An error occurred while communicating with the service execution process of the Device Manager agent. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent has started successfully. Also, make sure that the network and the host on which the Device Manager agent is installed are not heavily loaded, and

Message ID	Message Text	Description
		then retry the operation. If the problem cannot be corrected, collect the maintenance information and contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-03312	An error occurred while communicating with the service control process of the Device Manager agent.	*Cause* Possible causes are as follows: 1. An error occurred while communicating with the service control process of the Device Manager agent. 2. The Device Manager agent's processing capacity was exceeded because the data in the request is too large. *Action* If the cause of the problem is 1, make sure that the Device Manager agent has started successfully. Also, make sure that the network and the host on which the Device Manager agent is installed are not heavily loaded, and then retry the operation. If the problem cannot be corrected, collect the maintenance information and contact the Support Center. If the cause of the problem is 2, revise the value of the Device Manager agent property `server.http.entity.maxLength`.
RPM-03313	An unexpected parsing error occurred.	*Cause* An unexpected parsing error occurred during internal processing. *Action* Make sure that the correct version of the Device Manager agent is installed correctly. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03314	The requested processing for the Device Manager agent has timed out.	*Cause* The requested processing for the Device Manager agent has timed out due to one of the following causes: • The load on the host for the Device Manager agent is heavy. • The Device Manager agent is handling many pairs.

Message ID	Message Text	Description
		Action Make sure that the load on the host on which the Device Manager agent is installed is not heavy. Processing might take a long time when the Device Manager agent is handling many pairs. If this is the case, increase the values of `hdvmagtif.MaxPollingCount` and `hdvmagtif.PollingInterval` in the `agentif.properties` file, and then retry the operation.
RPM-03315	An error occurred during the service execution process of the Device Manager agent.	*Cause* An error occurred during the service execution process of the Device Manager agent. *Action* Make sure that the Device Manager agent has started successfully. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03316	An error occurred during the service control process of the Device Manager agent.	*Cause* An error occurred during the service control process of the Device Manager agent. *Action* Make sure that the Device Manager agent has started successfully. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03317	The version of the connected Device Manager agent is not supported by Replication Manager.	*Cause* While checking the version of the Device Manager agent, an error occurred due to either of the following causes: • The Device Manager agent has not been installed. • The version of the connected Device Manager agent is not supported by Replication Manager. *Action* Perform the following steps: 1. Make sure that a Device Manager agent supported by Replication Manager is correctly installed.

Message ID	Message Text	Description
		2. Check whether the Device Manager agent service has started.
RPM-03318	The requested processing for the Device Manager agent has timed out.	*Cause* The requested processing for the Device Manager agent has timed out. *Action* Make sure that the load on the host on which the Device Manager agent is installed is not heavy. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03319	Device Manager agent has been disconnected.	*Cause* The processing to stop Replication Manager ended, so the connection with the Device Manager agent was lost. *Action* Restart Replication Manager, and then retry the operation.
RPM-03320	An attempt to call the Device Manager agent function has failed. (agent error message = *Device-Manager-Agent-error-message*, command error message = *Command-error-message*)	*Cause* An error occurred in a Device Manager agent service execution process. *Action* Use the following procedure to resolve the problem: 1. Make sure that the Device Manager agent is installed correctly. 2. Make sure that the Device Manager agent service has started. 3. Make sure that the primary and secondary pair management servers can resolve each other's IP addresses from their host names. 4. Revise the Device Manager agent property file. 5. Revise the configuration definition file and the environment configuration. 6. Refresh the storage system from the Device Manager server, update the configuration on the Replication Manager server, and then retry the operation.

Message ID	Message Text	Description
		7. Restart the Device Manager agent, and then retry the operation. 8. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03321	An attempt to call the Device Manager agent function has failed. (agent error message = *Device-Manager-Agent-error-message*, command error message = *Command-error-message*)	*Cause* An error occurred in a Device Manager agent service control process. *Action* Make sure that the Device Manager agent has properly started. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03322	An error occurred during the service execution process of the Device Manager agent.	*Cause* An error occurred in a Device Manager agent service execution process. *Action* Use the following procedure to resolve the problem: 1. Make sure that the Device Manager agent is installed correctly. 2. Make sure that the Device Manager agent service has started. 3. Make sure that the primary and secondary pair management servers can resolve each other's IP addresses from their host names. 4. Revise the Device Manager agent property file. 5. Revise the configuration definition file and the environment configuration. 6. After refreshing the storage system from the Device Manager server, revise the configuration on Replication Manager server, and then retry the operation. 7. Restart the Device Manager agent, and then retry the operation. For operations on mainframe copy pairs, change the centralized configuration by revising the `server.properties`

Message ID	Message Text	Description
		file of the Device Manager agent (`server.agent.rm.centralizePairConfiguration`). If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03323	An error occurred during the service control process of the Device Manager agent.	*Cause* An error occurred in a Device Manager agent service control process. *Action* Make sure that the Device Manager agent has properly started. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03324	The configuration definition file for the specified instance number is not managed by the Device Manager agent.	*Cause* The configuration definition files for the specified instance number are not managed by Device Manager agent. *Action* Operations cannot be performed on the configuration definition files for the specified instance number. To perform operations, erase the corresponding instance number in `server.agent.rm.exclusion.instance` in the `server.properties` file. For details on `server.agent.rm.exclusion.instance`, see the Hitachi Command Suite Administrator Guide.
RPM-03325	An attempt to stop the instance that is the target of the operation in the Device Manager agent has failed.	*Cause* An error occurred during processing to stop a CCI instance. *Action* Take appropriate action from the following: 1. Revise the configuration definition files so that they match the actual configuration. 2. If you still cannot resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-03326	An attempt to start the instance that is the target of the operation in the Device Manager agent has failed.	*Cause* An error occurred during processing to start a RAID Manager instance. *Action*

Message ID	Message Text	Description
		Revise the configuration definition files and the environment configuration. If a virtual command device server is being used, revise the environment configuration of the virtual command device server.
RPM-03327	An error occurred during command execution in the Device Manager agent. (SSB = *SSB*)	*Cause* An error occurred during one of the following processes that was requested to the Device Manager agent: • Obtaining volume information • Obtaining pair information • Creating a copy pair • Splitting a copy pair • Deleting a copy pair *Action* Take appropriate action from the following: 1. Make sure that the primary and secondary pair management server can resolve each other's IP addresses from their host names. 2. Check the contents of the configuration definition file and environment configuration, and modify them if necessary. 3. Make sure that the size and the configuration order of the LDEVs that make up the LUSE volumes on both the primary and secondary sides are the same. 4. Make sure that the number of assigned consistency groups has not reached the maximum number that can be managed by the storage system. 5. Make sure that the operating conditions do not match a restriction on the storage system 6. If a path group ID is specified in the configuration definition file, make sure that this ID is in the configuration information of the storage system. 7. When you add a Universal Replicator pair, make sure that the added pair and the existing pair have the same path group ID.

Message ID	Message Text	Description
		8. If you create a copy pair, confirm that the specified MU number or consistency group ID is not already being used. 9. If the one or more connected command devices have a storage system resource group ID that is not 0, enable user authentication for the command devices. For details, see "Hitachi Command Suite Administrator Guide". When the pair operation command is executed, the RAID Manager logs are output to the directory Device-Manager-agent-installation-directory`/agent/config/horcm/log`*XX* (where XX is the instance number). Check the instance number of the HORCM instance for which the operation is to be performed, and then remove the cause of the error. 10. If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. 11. If you still cannot resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-03328	An error occurred during command execution in the Device Manager agent. (SSB = *SSB*)	*Cause* An error occurred during one of the following processes that was requested to the Device Manager agent: • Obtaining volume information • Obtaining copy pair information • Splitting a copy pair • Deleting a copy pair *Action* Take appropriate action from the following: 1. Make sure that the primary and secondary pair management server can resolve each other's IP addresses from their host names. 2. If the one or more connected command devices have a storage system resource group ID that is not 0, enable user authentication for the command devices. For

Message ID	Message Text	Description
		details, see "Hitachi Command Suite Administrator Guide". When the pair operation command is executed, the RAID Manager logs are output to the directory Device-Manager-agent-installation-directory/agent/config/horcm/log*XX* (where XX is the instance number). Check the instance number of the HORCM instance for which the operation is to be performed, and then remove the cause of the error. 3. If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. 4. If you still cannot resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-03329	An error occurred during command execution in the Device Manager agent. (SSB = *SSB*)	*Cause* An error occurred during one of the following processes that was requested to the Device Manager agent: • Obtaining volume information • Obtaining copy pair information • Splitting a copy pair • Deleting a copy pair • Resynchronizing a copy pair *Action* Take appropriate action from the following: 1. Make sure that the primary and secondary pair management server can resolve each other's IP addresses from their host names. 2. Make sure that the copy pair state indicates that copy pair operations are possible. 3. If the one or more connected command devices have a storage system resource group ID that is not 0, enable user authentication for the command devices. For details, see "Hitachi Command Suite Administrator Guide". When the pair operation command is executed, the RAID

Message ID	Message Text	Description
		Manager logs are output to the directory Device-Manager-agent-installation-directory/agent/config/horcm/log*XX* (where XX is the instance number). Check the instance number of the HORCM instance for which the operation is to be performed, and then remove the cause of the error. 4. If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. 5. If you still cannot resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-03330	An unexpected error occurred in the Device Manager agent.	*Cause* An unexpected error occurred while deleting the configuration definition file. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03331	An unexpected error occurred in the Device Manager agent.	*Cause* One of the following errors occurred during processing of a request to the Device Manager agent: • An unexpected error occurred while acquiring configuration definition file information. • An unexpected error occurred while creating the configuration definition file that is temporarily used by the Device Manager agent. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03332	An error occurred while Device Manager agent was acquiring the configuration definition file.	*Cause* An error occurred on the Device Manager agent during processing to obtain volume information or copy pair information. *Action* Take appropriate action from the following: 1. Make sure that RAID Manager has been correctly installed.

Message ID	Message Text	Description
		2. Make sure that there are no mistakes in the pair definitions in the HORCM configuration definition file in the OS system directory. 3. Make sure that the command device and host that correspond to the pair definitions in the HORCM configuration definition file in the OS system directory are recognized. 4. The RAID Manager logs are output to the following directory when the `raidscan` or `pairdisplay` command is executed: *Device-Manager-agent-installation-directory*`/agent/config/horcm/log`*XX* (where *XX* is an instance number) Check the number of the HORCM instance that was just started, and then remove the cause of the error. 5. If you still cannot resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-03333	An unexpected error occurred in the Device Manager agent.	*Cause* An unexpected error occurred while modifying a configuration definition file. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03334	An unexpected error occurred in the Device Manager agent.	*Cause* An unexpected error occurred while executing an operation. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03335	The configuration definition file of the specified instance number does not exist.	*Cause* A request was made to add a pair, but there is no configuration definition file for the specified instance number. *Action* Refresh the storage system information on the Device Manager server, update the configuration information on the Replication

Message ID	Message Text	Description
		Manager server, and then retry the operation.
RPM-03336	The configuration definition file of the specified instance number already exists.	*Cause* A request was made to create a new instance, but there is no configuration definition file for the specified instance number. *Action* Refresh the storage system information on the Device Manager server, update the configuration information on the Replication Manager server, and then retry the operation.
RPM-03337	An attempt to start an instance to be temporarily used by the Device Manager agent has failed.	*Cause* The following problems might have occurred: • An instance number or service number to be temporarily used by the Device Manager agent might already be in use. • The command devices recognized by the pair management server might be unusable. *Action* Remove the cause of the problem by taking the actions described below. 1. Revise the usage status of the RAID Manager instance numbers and service numbers. For this system, use numbers within the ranges specified for the following properties in the `server.properties` file: o Instance numbers: server.agent.rm.temporaryInstance o Service numbers: server.agent.rm.temporaryPort For Windows Server 2008 and later, because the OS might be using a service number set in the system, change the service numbers used by the system. 2. Make sure that the command devices recognized by the pair management server are usable.

Message ID	Message Text	Description
RPM-03338	A timeout occurred while an instance for temporary use was being started in the Device Manager agent.	*Cause* A timeout occurred during startup of an instance temporarily used by the Device Manager agent. *Action* Revise the value of `server.agent.rm.moduleTimeOut` in the `server.properties` file for the host. For details on `server.agent.rm.moduleTimeOut`, see the Hitachi Command Suite Administrator Guide.
RPM-03339	An error occurred in Device Manager agent because the command device of the pair management server was not recognized.	*Cause* The pair management server could not recognize any command devices. *Action* Take appropriate action from the following: 1. Refresh the storage system information on the Device Manager server, and then update the configuration information on the Replication Manager server. 2. Make sure that the pair management server recognizes the command devices.
RPM-03340	An attempt to start an instance for temporary use in the Device Manager agent has failed.	*Cause* An unexpected error occurred while attempting to start up an instance temporarily used by the Device Manager agent. *Action* Take appropriate action from the following: 1. Make sure that the RAID Manager version being used is supported. 2. Make sure that RAID Manager has been properly installed. 3. If you still cannot resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-03341	The pair management server does not recognize the specified LU, or the system configuration cannot manage an LU that uses a volume on a virtual storage machine information.	*Cause* The pair management server does not recognize the specified LU, or the system configuration cannot manage an LU that uses a volume on a virtual storage machine information. *Action*

Message ID	Message Text	Description
		Take appropriate action from the following: Choose "Storage system" from the "Storage Systems", and then refresh the storage system information. Make sure that the pair management server recognizes the LU. Make sure that the system is a centrally managed configuration. For details on centrally managed configurations, see the Hitachi Command Suite Administrator Guide and Hitachi Command Suite Administrator Guide.
RPM-03342	The pair volume information could not be acquired by the Device Manager agent.	*Cause* The pair volume information could not be acquired by the Device Manager agent. *Action* Perform the following steps to resolve the problem: 1. If the pair management server detects a command device for which the resource group ID of the storage system is not 0, that command device needs to be configured. For details, see the "Hitachi Command Suite Administrator Guide". 2. If all connected command devices have a storage system resource group ID of 0 and user authentication for the command devices is disabled, enable user authentication for those devices. 3. Check the pair volume status. The pair volume might not exist, or LUN paths might not be assigned. 4. Make sure the RAID Manager version that is being used is supported. 5. Make sure RAID Manager is installed correctly. 6. If the problem persists, collect the maintenance information, and then contact the Support Center.
RPM-03343	Creation of asynchronous remote copy pairs used for 3DC Delta Resync is not supported.	*Cause* An attempt was made to create an asynchronous remote copy pair for 3DC Delta Resync.

Message ID	Message Text	Description
		Action Make sure that the Device Manager agent is installed correctly. If the problem persists, obtain maintenance information, and then contact the Support Center.
RPM-03344	The command device for the created pair does not exist in the pair management server.	*Cause* A required command device could not be found for a pair operation. *Action* Take appropriate action from the following: 1. Refresh the storage system information on the Device Manager server, and then update the configuration information on the Replication Manager server. 2. Make sure that the pair management server recognizes the command devices.
RPM-03345	The specified copy group cannot be created because the status of the specified LU is invalid.	*Cause* The pair status is not SMPL, or the pair status cannot be acquired. *Action* Take appropriate action from the following: 1. Revise the status of the LU targeted by the pair operation. 2. Revise the configuration definition files so that they match the actual configuration.
RPM-03346	An unexpected error occurred in the Device Manager agent.	*Cause* Pair creation processing was performed, but the status of the created copy pair is not PAIR. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03347	Because the state of specified LU is illegal, the specified copy group cannot be deleted.	*Cause* The status of the specified volume is improper as the operational object, or the pair status cannot be acquired. *Action* Take appropriate action from the following: 1. Revise the status of the LU targeted by a pair operation.

Message ID	Message Text	Description
		2. Revise the configuration definition files so that they match the actual configuration.
RPM-03348	The status of the specified copy group cannot be changed because the status of the specified LU is invalid.	*Cause* The status of the specified volume is improper as the operational object, or the pair status cannot be acquired. *Action* Take appropriate action from the following: 1. Revise the status of the LU targeted by a pair operation. 2. Revise the configuration definition files so that they match the actual configuration.
RPM-03349	A timeout occurred during command execution in the Device Manager agent.	*Cause* The RAID Manager command timed out. *Action* Revise the value of `server.agent.rm.moduleTimeOut` in the `server.properties` file for the host, in order to change the amount of time it takes for a timeout to occur. For details on `server.agent.rm.moduleTimeOut`, see the Hitachi Command Suite Administrator Guide.
RPM-03350	An unexpected error occurred in the Device Manager agent.	*Cause* After the status of a copy pair was changed by resynchronizing the copy pair, the status was not PAIR. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03351	The specification of a volume targeted by the takeover or takeback operation is invalid.	*Cause* The specified volume cannot be taken over or taken back. *Action* Check the state of the target volume for the copy pair operation, and change it if necessary.
RPM-03352	The status of the target copy pair is invalid.	*Cause* The copy pair is not a state in which an operation can be performed. *Action*

Message ID	Message Text	Description
		Revise the status of the target copy pair.
RPM-03353	The fence level of a volume targeted by the takeover or takeback operation is invalid.	*Cause* The copy pair is not in a fence level in which a takeover or takeback can be performed. *Action* Make sure that pair operations can be performed on the LU.
RPM-03354	Processing timed out.	*Cause* Processing for one of the following requested from the Device Manager agent timed out: • Takeover • Takeback • Pair resynchronization • Pair deletion • Syncwait task *Action* Increase the processing timeout value.
RPM-03355	An error occurred during takeover or takeback processing.	*Cause* An error occurred during one of the following processes that was requested to the Device Manager agent: • Takeover • Takeback • Resynchronizing a copy pair • Creating a copy pair • Splitting a copy pair • Deleting a copy pair *Action* Take either of the following actions: • If an error occurs during the takeover operation `horctakeover -S`, acquire the status of the copy pair volumes, and check the status of the secondary volumes. If the status of the secondary volumes has changed to the status they should be in after the copy pair operation finishes, check whether you can access the secondary volumes. If you can, delete the tasks for which execution failed. If the status of the secondary volumes has not

Message ID	Message Text	Description
		changed, or if you cannot access the secondary volumes, collect maintenance information, and then contact the Support Center. • If an error occurs during a copy pair operation other than the takeover operation `horctakeover -S`, collect maintenance information, and then contact the Support Center.
RPM-03356	The specified copy group does not exist in the configuration definition file.	*Cause* The specified copy group does not exist in the configuration definition file. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After that, retry the operation.
RPM-03357	A Device Manager Agent function failed to be called. The licensed storage system capacity might be insufficient, or a valid license might not be registered. (SSB code = *ssb*)	*Cause* A Device Manager Agent function failed to be called. The licensed storage system capacity might be insufficient, or a valid license might not be registered. *Action* In the storage systems view, display the **Copy Licenses** tab to check storage system licence information. To obtain the latest storage system license information, refresh the configuration.
RPM-03358	The configuration definition file is missing an item required by the Device Manager agent.	*Cause* The configuration definition file is missing an item required by the Device Manager agent. The follow item is required: • `HORCM_MON` *Action* Revise the contents of the configuration definition file.
RPM-03359	The configuration definition file contains an item that is not supported by the Device Manager agent.	*Cause* The configuration definition file contains an item that is not supported by the Device Manager agent. The following item is not supported: • `HORCM_LDEVG`

Message ID	Message Text	Description
		Action Revise the contents of the configuration definition file.
RPM-03360	The configuration definition file is missing an item required by the Device Manager agent.	*Cause* The configuration definition file is missing an item required by the Device Manager agent. The follow item is required: • HORCM_DEV • HORCM_LDEV *Action* Revise the contents of the configuration definition file.
RPM-03361	The configuration definition file is missing an item required by the Device Manager agent.	*Cause* The configuration definition file is missing an item required by the Device Manager agent. The follow item is required: • HORCM_INST • HORCM_INSTP *Action* Revise the contents of the configuration definition file.
RPM-03362	The configuration definition file contains an item that is not supported by the Device Manager agent.	*Cause* The configuration definition file contains an item that is not supported by the Device Manager agent. The following item is not supported: • A virtual command device is defined in HORCM_CMD. *Action* Revise the contents of the configuration definition file and environment configuration.
RPM-03363	The operation failed, because the pair management server could not detect any command devices that could access either of the following: 1. A resource group in which the port assigned to the operation-target pair volume is registered 2. An SLPR in which the port assigned to the operation-target pair volume is registered	*Cause* The pair management server could not detect any command devices that could access either of the following: 1. A resource group in which the port assigned to the operation-target pair volume is registered 2. An SLPR in which the port assigned to the operation-target pair volume is registered *Action* Perform the following steps to resolve the problem:

Message ID	Message Text	Description
		1. If the pair management server detects a command device for which the resource group ID of the storage system is not 0, that command device needs to be configured. For details, see the "Hitachi Command Suite Administrator Guide". 2. If all command devices detected by the pair management server have a storage system resource group ID of 0 and user authentication for those command devices is disabled, enable user authentication for those devices. 3. Make sure the pair management server can detect the command device that belongs to the same SLPR as the port that is assigned to the pair volume. Alternatively, make sure the server can detect the command device SLPR#0.
RPM-03364	A command device that requires user authentication exists in the storage system.	*Cause* User authentication for the storage system failed. *Action* Remove the user authentication settings, remove the path of the command device for which user authentication is set from the host, or log in to the storage system containing the command device for which user authentication is set.
RPM-03365	A command device that requires user authentication is defined in the configuration definition file.	*Cause* User authentication for the storage system failed. *Action* Remove the user authentication settings, remove the path of the command device for which user authentication is set from the host, or log in to the storage system containing the command device for which user authentication is set.
RPM-03366	An attempt to start an instance for temporary use in the Device Manager agent has failed.	*Cause* An error occurred during starting an instance for temporary use in the Device Manager agent. *Action* Make sure that communication between the management server and

Message ID	Message Text	Description
		SVP or between the management server and CTL1/CTL2 is available.
RPM-03367	User authentication for accessing the storage system has failed.	*Cause* User authentication for the storage system failed, or the version of the CCI being used might not meet the prerequisite requirements. *Action* Make sure that the set SVP user name and password are valid when registering a storage system into Device Manager. If the SVP user name or password is invalid, change the values so that they are valid. Also, make sure that the version of the CCI being used is supported.
RPM-03368	An error occurred during command execution in the Device Manager agent. (SSB = *SSB*)	*Cause* An error occurred during pair information obtaining process which was requested to Device Manager Agent. *Action* If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. After that, retry the operation.
RPM-03369	An error occurred during command execution in the Device Manager agent.	*Cause* An error occurred during pair information obtaining process which was requested to Device Manager Agent. *Action* Make Sure that the copy group that is the target of the operation is in the condition supported by Replication Manager.
RPM-03370	An unexpected error occurred during acquisition of pool or journal information.	*Cause* An error occurred during acquiring the pool information or journal information. *Action* Retry the operation.
RPM-03371	An error occurred during command execution in the Device Manager agent.	*Cause* One of the following errors occurred during processing of a request to the Device Manager agent:

Message ID	Message Text	Description
		• An error occurred during processing to obtain volume information or copy pair information. • An error occurred during processing to resynchronize a copy pair. • An error occurred during processing to split a copy pair. *Action* Make Sure that the copy group that is the target of the operation is in the condition supported by Replication Manager.
RPM-03372	Copy groups cannot be added to the specified configuration definition file.	*Cause* Copy groups cannot be added to configuration definition files when command devices are specified in the configuration definition files in IPCMD format. *Action* None.
RPM-03373	The specified copy pair is already defined in the configuration definition file.	*Cause* The specified copy pair is already defined in the configuration definition file. The Replication Manager management information might not be up to date. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-03374	The specified copy pair is not defined in the configuration definition file.	*Cause* The specified copy pair is not defined in the configuration definition file. The Replication Manager management information might not be up to date. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-03375	A configuration file does not exist for the specified instance.	*Cause* A configuration definition file for the specified instance does not exist on the pair management server. The

Message ID	Message Text	Description
		Replication Manager management information might not be up to date. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-03376	The last node of the configuration definition file cannot be deleted.	*Cause* The specified node cannot be deleted because it is the last node of the same group described in `HORCM_INST` or `HORCM_INSTP` of the configuration definition file. The Replication Manager management information might not be up to date. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-03377	An attempt to connect to the Device Manager agent has failed.	*Cause* An attempt to connect to the Device Manager agent has failed. *Action* Take the following actions: 1. Make sure that the Device Manager agent is installed correctly. 2. Make sure that the Device Manager agent service is running. 3. If the value of `server.agent.port` in the `server.properties` file of the Device Manager agent has been changed, refresh the configuration to show the latest information. If the problem cannot be resolved by taking the above actions, collect the maintenance information and then contact the Support Center.
RPM-03378	An error occurred during communication with the Device Manager agent.	*Cause* An error occurred during communication with the Device Manager agent. *Action* Make sure that the Device Manager agent started successfully. Also, make

Message ID	Message Text	Description
		sure that the load on the network and the host on which the Device Manager agent is installed is not heavy, and then retry the operation. If the problem cannot be resolved, collect the maintenance information and then contact the Support Center.
RPM-03379	The requested processing for the Device Manager agent has timed out.	*Cause* The requested processing for the Device Manager agent has timed out due to one of the following causes: • The load on the host for the Device Manager agent is heavy. • The Device Manager agent is handling many pairs. *Action* Make sure that the load on the host on which the Device Manager agent is installed is not heavy. Processing might take a long time when the Device Manager agent is handling many pairs. If this is the case, increase the value of `host.agent.access.timeoutForRpm` in the `host.properties` file, and then retry the operation.
RPM-03380	A copy pair cannot be deleted because its status is not PSUS/SSUS.	*Cause* A copy pair cannot be deleted because its status is not PSUS/SSUS. *Action* When Freeze/Run is specified for the copy group, if the status of the copy pairs to be deleted is not PSUS/SSUS, operations to delete some specified copy pairs are not possible. Change the status of the copy pairs to be deleted to PSUS/SSUS, and then try again.
RPM-03381	The specified copy group cannot be updated because it is already specified in the configuration definition file.	*Cause* The specified copy group cannot be updated because it is already specified in the configuration definition file. The configuration might have changed. *Action* Revise the contents of the configuration definition file, and then refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage

Message ID	Message Text	Description
		system from Device Manager. Retry the operation as necessary.
RPM-03382	An unexpected error occurred while waiting a copy pair synchronization. (SSB = *SSB*)	*Cause* An error occurred while executing the `pairsyncwait` command. *Action* Make sure that the IP address in the configuration definition file can be used for communication. If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly.
RPM-03383	An error occurred while a Device Manager agent command was being executed. (SSB = *SSB*)	*Cause* The RAID Manager command terminated abnormally. The requirements for the copy pair operation might not be met. *Action* Take appropriate action from the following: Consult the RAID Manager manual, and confirm that the operation requirements for the implemented copy pair are met. If the one or more connected command devices have a storage system resource group ID that is not 0, enable user authentication for the command devices. For details, see "Hitachi Command Suite Administrator Guide". If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. If the problem cannot be corrected, collect the maintenance information and contact the Support Center.
RPM-03384	The Device Manager agent has become unable to be executed. (SSB = *SSB*)	*Cause* The RAID Manager command has become unable to be executed. *Action* Confirm that the RAID Manager command operates correctly. If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. If the problem cannot be corrected, collect the maintenance information and contact the Support Center.

Message ID	Message Text	Description
RPM-03385	The operation failed because the command device of the target storage system is not connected to the pair management server.	*Cause* The command device is not connected to the pair management server. *Action* Connect the command device to the pair management server. Enable user authentication for the connected command device, authenticate the user, and then retry the operation.
RPM-03386	The operation failed because the user of the command device in the target storage system could not be authenticated.	*Cause* The user of the command device was not authenticated. *Action* Authenticate the user of the command device, and then retry the operation.
RPM-03387	The operation failed because user authentication for the user of the command device in the target storage system is disabled.	*Cause* User authentication for the command device is disabled. *Action* Enable the user authentication setting for the command devices that are connected to the pair management server, authenticate the user, and then retry the operation.
RPM-03388	The copy pair cannot be created because the secondary volume of the copy pair you are trying to create is already being used as a secondary volume of another copy pair.	*Cause* The secondary volume of the copy pair you are trying to create is already being used as a secondary volume of another copy pair. *Action* Specify a volume that is not already being used as a secondary volume of a copy pair.
RPM-03389	The copy pair creation has failed, because the pool ID specified is different from the pool ID that existing copy pair of the primary volume is already in use.	*Cause* The pool ID specified is different from the pool ID that copy pair of the primary volume is already in use. *Action* Specify the copy pair of the specified primary volume as a pool ID that is already being used.
RPM-03390	The copy pair cannot be created because the copy pair of the specified primary volume already exists in the consistency group.	*Cause* The copy pair of the specified primary volume already exists in the consistency group. *Action*

Message ID	Message Text	Description
		The configuration might have changed. Refresh the configuration to show the latest information. If the local Device Manager manages the target operation resource, refresh the Device Manager storage system.
RPM-03391	The copy pair cannot be created because the specified copy group type (consistency group or snapshot group) is different from the copy group type that already exists.	*Cause* the specified copy group type (consistency group or snapshot group) is different from the copy group type that already exists. *Action* Specify the group type (consistency group or snapshot group) for the existing group.
RPM-03392	Processing was canceled because of an unexpected status change of the created copy pair.	*Cause* A copy pair was created by using the RAID Manager command, but the copy pair status was not set to PAIR. *Action* Check the status of the copy pair. If the status is invalid, follow the RAID Manager manual to perform a restoration.
RPM-03393	The specified snapshot group, primary volume, or an MU number does not exist.	*Cause* The specified snapshot group, primary volume, or an MU number does not exist. *Action* The Device Manager server might not contain the latest storage system information. Refresh the storage system information and then retry the operation.
RPM-03394	Processing was canceled because of an unexpected status change of a copy pair whose status was changed.	*Cause* A copy pair was re-synchronized by using the RAID Manager command, but the copy pair status was not set to PAIR. *Action* Check the status of the copy pair. If the status is invalid, follow the RAID Manager manual to perform a restoration.
RPM-03395	The selected snapshot group name, or a snapshot group name included in the same topology, contains unsupported characters.	*Cause* The selected snapshot group name, or a snapshot group name included in the same topology, contains unsupported characters.

Message ID	Message Text	Description
		Action Check and, if necessary, revise the snapshot groups so that no names contain unsupported characters, and then retry the operation.
RPM-03396	A volume on a virtual storage machine is defined in HORCM_DEV.	*Cause* Configuration definition files in which HORCM_DEV contains a volume on a virtual storage machine are not supported. *Action* Redefine a volume in HORCM_DEV as HORCM_LDEV.
RPM-03397	The specified serial number is not defined in HORCM_VCMD.	*Cause* The specified serial number is not defined in HORCM_VCMD. *Action* Define The serial number in HORCM_VCMD.
RPM-03398	The request has failed. Snapshot group names must not include character('#').	*Cause* Snapshot group names must not include character('#'). *Action* Snapshot group names must not include character('#'). Check the request, and then retry.
RPM-03399	Failed to pass the user authentication.	*Cause* Possible causes are as follows: • User password is changed after being registered the target storage to Device Manager Server. • The target storage is not registered to Device Manager Server. *Action* Take the following actions: 1. Check the user name or password to storage authentication. 2. Check the target storage is registered to Device Manager Server.
RPM-03400	An error occurred during user password being collected.	*Cause* Possible causes are as follows: • The port number is not for SSL communication.

Message ID	Message Text	Description
		• The truststore file on the Device Manager Agent and at the connection destination are different. • The truststore file is no longer valid. • The cipher suite differ by the Device Manager Agent and at the connection destination. • It is possible to be set incorrectly the host name or IP address of the Device Manager server, and the port number. • It is possible to work incorrectly the Device Manager server. • It is possible that the `server.http.entity.maxLength` property that exists in the `server.properties` file of the Device Manager server is smaller than Content-Length shown in KAIC20854-I. *Action* Take the following actions: 1. Check the value of `server.server.serverPort` in the `server.properties` file. 2. Check the contents of the truststore file. 3. Check whether the cipher suite specified by the connection destination can use it by Java currently used by the Device Manager Agent. 4. Make sure that the network environment, including a firewall, is operating properly. 5. Make sure that the host name or IP address of the Device Manager server, and the port number are set correctly. 6. Make sure that the Device Manager server is working correctly. 7. Make sure that the `server.http.entity.maxLength` property that exists in the `server.properties` file of the Device Manager server is larger than Content-Length shown in KAIC20854-I.

Message ID	Message Text	Description
		8. If this does not solve the problem, collect maintenance information, and then contact the Support Center.
RPM-03401	In a configuration definition file that contains a HORCM_VCMD definition, do not define a volume that is not on a virtual storage machine.	*Cause* In a configuration definition file that contains a HORCM_VCMD definition, do not define a volume that is not on a virtual storage machine. *Action* When defining a volume that is not on a virtual storage machine, specify a configuration definition file that does not contain a HORCM_VCMD definition. If you use a configuration definition file that contains a HORCM_VCMD definition, specify a volume that is on a virtual storage machine.
RPM-03402	In a configuration definition file that does not contain a HORCM_VCMD definition, do not define a volume that is on a virtual storage machine.	*Cause* In a configuration definition file that does not contain a HORCM_VCMD definition, do not define a volume that is on a virtual storage machine. *Action* If you define a volume that is on a virtual storage machine, specify a configuration definition file that contains a HORCM_VCMD definition. If you use a configuration definition file that does not contain a HORCM_VCMD definition, specify a volume that is not on a virtual storage machine.
RPM-03403	User authentication for the storage system failed. Set up SSL between Device Manager agent and Device Manager, or log in to the storage system and the virtual storage machine by using RAID Manager commands.	*Cause* SSL is not set up between the Device Manager agent and Device Manager. *Action* Perform one of the following actions: 1. Set up SSL between the Device Manager agent and Device Manager. 2. Log in to a storage system and a virtual storage machine that has a command device that can perform user authentication.
RPM-03404	The copy pairs using volumes on virtual storage machine cannot be added to the configuration definition file	*Cause* The copy pairs using volumes on virtual storage machine cannot be added to the configuration definition

Message ID	Message Text	Description
	which contains command devices of multiple storage systems.	file which contains command devices of multiple storage systems. *Action* Separate the configuration definition file for each storage system, and then add the copy pairs which use the volumes on virtual storage machine.
RPM-03405	The pair information cannot be acquired because the specified primary volume or its pair does not exist.	*Cause* The specified primary volume or its pair does not exist. *Action* The Device Manager server might not contain the latest storage system information. Refresh the storage system information and then retry the operation.
RPM-03406	An error occurred during processing to resynchronize a copy pair in the Device Manager agent. (SSB = *SSB*)	*Cause* An error occurred during processing to resynchronize a copy pair in the Device Manager agent. *Action* Take appropriate action from the following: • Make sure that the primary and secondary pair management servers can resolve each other's IP addresses from their host names. • Make sure that the copy pair state indicates that copy pair resynchronize operations are possible. • If one or more connected command devices have a storage system resource group ID that is not 0, enable user authentication for the command devices. For details, see "*Hitachi Command Suite Administrator Guide*". • When the pair operation command is executed, the RAID Manager logs are output to the directory *Device-Manager-agent-installation-directory*`/agent/config/horcm/log`*XX* (where XX is the instance number). Check the instance number of the HORCM instance for which the operation is to be performed, and then remove the cause of the error.

Message ID	Message Text	Description
		• If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. • If you still cannot resolve the problem, collect maintenance information, and then contact the support center.
RPM-03407	An error occurred during processing to split a copy pair in the Device Manager agent. (SSB = *SSB*)	*Cause* An error occurred during processing to split a copy pair in the Device Manager agent. *Action* Take appropriate action from the following: • Make sure that the primary and secondary pair management servers can resolve each other's IP addresses from their host names. • Make sure that the copy pair state indicates that copy pair split operations are possible. • If one or more connected command devices have a storage system resource group ID that is not 0, enable user authentication for the command devices. For details, see "*Hitachi Command Suite Administrator Guide*". • When the pair operation command is executed, the RAID Manager logs are output to the directory *Device-Manager-agent-installation-directory*`/agent/config/horcm/log`*XX* (where XX is the instance number). Check the instance number of the HORCM instance for which the operation is to be performed, and then remove the cause of the error. • If an SSB code is output, see the RAID Manager or copy product manual, and take action accordingly. • If you still cannot resolve the problem, collect maintenance information, and then contact the support center.
RPM-03700	The argument is invalid.	*Cause*

Message ID	Message Text	Description
		An invalid parameter was specified internally. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03701	An attempt to connect to the service control process of the Replication Manager Application Agent failed.	*Cause* An attempt to connect to the server control process for Replication Manager Application Agent has failed. *Action* Perform the following: 1. Make sure that Replication Manager Application Agent is installed correctly. 2. Make sure that the Replication Manager Application Agent service is running. 3. If the Replication Manager Application Agent settings have been changed, update and then refresh the configuration. 4. Make sure that the setting of the Replication Manager Application Agent to be connected is correct. Check the setting in the Application Agent subwindow. (To display this subwindow, from the Explorer menu, choose **Administration**, **Information Source**, and then **Application Agent**.) If the value is invalid, correct it. 5. If the problem is still not resolved after the above have been performed, collect maintenance information, and contact the Support Center.
RPM-03702	An attempt to connect to the service execution process of the Replication Manager Application Agent failed.	*Cause* An attempt to connect to the service execution process for Replication Manager Application Agent has failed. *Action* Perform the following: 1. Make sure that Replication Manager Application Agent is installed properly. 2. Make sure that the Replication Manager Application Agent service is running.

Message ID	Message Text	Description
		3. If Replication Manager Application Agent is running with the Device Manager agent in a cluster environment, check the value for `server.http.socket.bindAddress` in the file `server.properties` on the Device Manager agent. If any value is specified, delete the value. For details on the property values, see the *Hitachi Command Suite Administrator Guide*. 4. If the problem is still not resolved after the above have been performed, collect maintenance information, and then contact the Support Center.
RPM-03703	An attempt to connect to the service control process of the Replication Manager Application Agent was refused.	*Cause* An attempt to connect to the service control process for Replication Manager Application Agent has been denied. *Action* Perform the following: 1. Make sure that Replication Manager Application Agent is installed correctly. 2. Make sure that the setting of Replication Manager Application Agent to be connected is set correctly. Confirm the setting on Application Agent subwindow. (To display the Application Agent subwindow, from the Explorer menu, choose **Administration**, **Information Source** and then **Application Agent**.) If the value is invalid, correct it. 3. If the problem is still not resolved, collect maintenance information, and contact the Support Center.
RPM-03704	An attempt to connect to the service execution process of the Replication Manager Application Agent was refused.	*Cause* An attempt to connect to the service execution process for Replication Manager Application Agent has been denied. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.

Message ID	Message Text	Description
RPM-03706	An invalid response was received from the service control process of the Replication Manager Application Agent.	*Cause* An invalid response was received from the service control process for Replication Manager Application Agent. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03707	An invalid response was received from the service execution process of the Replication Manager Application Agent.	*Cause* An invalid response was received from the service execution process for Replication Manager Application Agent. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03708	The connection to the Replication Manager Application Agent has timed out.	*Cause* A connection to Replication Manager Application Agent timed out. *Action* Make sure that the host on which Replication Manager Application Agent is installed is not under undue load.
RPM-03710	An unexpected error occurred.	*Cause* An unexpected error occurred. *Action* Make sure that the correct version of Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03711	An error occurred while communicating with the service execution process of the Replication Manager Application Agent.	*Cause* An error occurred during communication with the service execution process for Replication Manager Application Agent. *Action* Make sure that Replication Manager Application Agent is running properly. Also make sure that the network or host on which Replication Manager Application Agent is installed is not

Message ID	Message Text	Description
		under undue load, and try executing processing again. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03712	An error occurred while communicating with the service control process of the Replication Manager Application Agent.	*Cause* An error occurred during communication with the service control process for Replication Manager Application Agent. *Action* Make sure that Replication Manager Application Agent is running properly. Also make sure that the network or host on which Replication Manager Application Agent is installed is not under undue load, and try executing processing again. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03713	An error occurred during the service execution process of the Replication Manager Application Agent.	*Cause* An error occurred during communication with the service execution process for Replication Manager Application Agent. *Action* Make sure that Replication Manager Application Agent is running properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03714	An error occurred while communicating with the service control process of the Replication Manager Application Agent.	*Cause* An error occurred during communication with the service control process for Replication Manager Application Agent. *Action* Make sure that Replication Manager Application Agent is running properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03715	The version of the connected Replication Manager Application Agent is not supported by Replication Manager.	*Cause* The connected Replication Manager Application Agent is not supported by Replication Manager. *Action*

Message ID	Message Text	Description
		Install the version of Replication Manager Application Agent required for Replication Manager, and then retry the operation.
RPM-03716	The Replication Manager Application Agent has been disconnected.	*Cause* The connection to Replication Manager Application Agent has been disconnected. *Action* Restart Replication Manager, and then retry the operation.
RPM-03717	An attempt to call the Replication Manager Application Agent function failed. (Replication Manager Application Agent error message)	*Cause* An attempt to call a Replication Manager Application Agent function has failed. *Action* Make sure that Replication Manager Application Agent is running properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03718	The requested processing for the Replication Manager Application Agent has timed out.	*Cause* The requested process for the Replication Manager Application Agent has timed out. *Action* Make sure that Replication Manager Application Agent is running properly. If the problem is still not resolved, collect maintenance information, and contact the Support Center.
RPM-03719	An attempt to call the Replication Manager Application Agent function failed.	*Cause* An attempt to call the Replication Manager Application Agent function failed. *Action* Make sure that Replication Manager Application Agent is running properly. If you still cannot resolve the problem, collect maintenance information, and then contact the Support Center.
RPM-03900	A Timeout error occurred.	*Cause* A timeout occurred. *Action* Make sure that the host on which Replication Manager Application Agent

Message ID	Message Text	Description
		is installed is not under undue load, and try executing processing again.
RPM-03901	An error occurred in processing of the definition file. (DEFAULT.dat)	*Cause* An error occurred during processing for a definition file. *Action* Make sure that the definition file is not locked by another process, and that access permissions to the definition file exist, and then retry the operation.
RPM-03902	An attempt to open a file failed.	*Cause* An attempt to open a file has failed. *Action* Make sure that the files in the directory in which Replication Manager Application Agent is installed are not locked by another process, and that access permissions to them exist, and then retry the operation.
RPM-03903	An attempt to access a file failed.	*Cause* An attempt to access a file has failed. *Action* Make sure that the files in the directory in which Replication Manager Application Agent is installed are not locked by another process, and that access permissions to them exist, and then retry the operation.
RPM-03904	An attempt to read a file failed.	*Cause* An attempt to read a file failed. *Action* Make sure that the files in the directory in which Replication Manager Application Agent is installed are not locked by another process, and that access permissions to them exist, and then retry the operation.
RPM-03905	An attempt to write a file failed.	*Cause* An attempt to write a file failed. *Action* Make sure that the files in the directory in which Replication Manager Application Agent is installed are not locked by another process, and that access permissions to them exist, and then retry the operation.

Message ID	Message Text	Description
RPM-03906	An attempt to start the service has failed.	*Cause* An attempt to start a service has failed. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03907	An attempt to stop the service has failed.	*Cause* An attempt to stop a service has failed. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03908	An attempt to set an environmental variable has failed.	*Cause* An attempt to set an environment variable has failed. *Action* Make sure that Replication Manager Application Agent is executed with the correct permissions. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03909	The number of arguments specified on the command line exceeds the required number of arguments.	*Cause* The number of arguments specified for the command exceeds the required number of arguments. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03910	The specified command line option is invalid.	*Cause* The specified command option is invalid. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.

Message ID	Message Text	Description
RPM-03911	The same command line option is specified more than once.	*Cause* An option is specified more than once for the same command. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03912	A required command line option has not been specified.	*Cause* A required command option is not specified. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03913	The command line format is invalid.	*Cause* The command format is invalid. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03914	An attempt to create a command string has failed.	*Cause* An attempt to create a command string has failed. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03915	The command string exceeded the maximum value.	*Cause* The command string exceeds the maximum value. *Action* Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03916	An attempt to acquire command execution results has failed.	*Cause* An attempt to obtain command execution results has failed. *Action*

Message ID	Message Text	Description
		Make sure that Replication Manager Application Agent is installed properly. If the problem is still not resolved, collect maintenance information, and then contact the Support Center.
RPM-03917	Memory is insufficient.	*Cause* Memory is insufficient. *Action* Make sure that the host on which Replication Manager Application Agent is installed meets the system requirements. Also make sure that the host is not under undue load.
RPM-03918	Drive free space is insufficient.	*Cause* Unused drive capacity is insufficient. *Action* Make sure that the host on which Replication Manager Application Agent is installed meets the system requirements.
RPM-03919	The name of mount point directory is too long.	*Cause* The name of mount point directory is too long. *Action* Change the length of the mount point directory, and then retry the operation.
RPM-03920	An unexpected Parse error occurred.	*Cause* An unexpected parse error occurred. *Action* Make sure that communication between Replication Manager and the host on which Replication Manager Application Agent is installed is performed properly, and then retry the operation. If the problem is still not resolved, collect maintenance information, and contact the Support Center.
RPM-03921	An unexpected parse error occurred.	*Cause* An unexpected parse error occurred. *Action* Make sure that the communication between Replication Manager and the hosts on which Replication Manager Application Agent is installed is correctly performed, and then retry the operation. If the problem persists,

Message ID	Message Text	Description
		obtain maintenance information, and then contact the Support Center.
RPM-03922	An unexpected error occurred.	*Cause* An unexpected error occurred. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03923	The file used by the Replication Manager Application Agent does not exist.	*Cause* A file necessary to complete the operation does not exist. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03924	The requested parameter is invalid.	*Cause* The required argument is invalid. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03925	The file used by the Replication Manager Application Agent for task registration does not exist.	*Cause* A file used by Replication Manager Application Agent for scheduled task registration does not exist. *Action* Check whether there is a task to be executed immediately. If such a task exists, obtain maintenance information, and then contact the Support Center.
RPM-03926	Task information does not exist in the file used by the Replication Manager Application Agent for task registration.	*Cause* A file used by Replication Manager Application Agent for scheduled task registration does not contain task information. *Action* Update host information. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03927	The file used by the Replication Manager Application Agent for task registration could not be written to.	*Cause* Data cannot be written to the file used by Replication Manager Application Agent for scheduled task registration. The volume does not have enough unused capacity. *Action* Make sure that the volume has enough unused capacity. If this error

Message ID	Message Text	Description
		occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03928	The file used by the Replication Manager Application Agent does not exist.	*Cause* A file necessary to complete the operation does not exist. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03929	An attempt to delete troubleshooting information failed.	*Cause* Troubleshooting information cannot be deleted. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03930	Troubleshooting information does not exist.	*Cause* Troubleshoot information does not exist. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03931	An attempt to write the troubleshooting information failed.	*Cause* Unable to write the troubleshooting information. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03932	An attempt to read the troubleshooting information failed.	*Cause* Troubleshooting information cannot be read. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance

Message ID	Message Text	Description
		information, and then contact the Support Center.
RPM-03933	The file used by the Replication Manager Application Agent for task registration could not be read.	*Cause* A file used by Replication Manager Application Agent for scheduled task registration. *Action* Take the following actions: 1. The another operation might be being executed. Wait a while, and then retry the operation. 2. Make sure that the proper access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation. 3. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03934	The file used by the Replication Manager Application Agent could not be read.	*Cause* A file used by Replication Manager Application Agent cannot be read. *Action* Take the following actions: 1. The another operation might be being executed. Wait a while, and then retry the operation. 2. Make sure that the proper access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation. 3. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03935	The file used by the Replication Manager Application Agent for task operation could not be updated.	*Cause* A file used by Replication Manager Application Agent cannot be updated. *Action* Take the following actions: 1. The another operation might be being executed. Wait a while, and then retry the operation. 2. Make sure that the proper access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation.

Message ID	Message Text	Description
		3. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03936	An attempt to update the troubleshooting information failed.	*Cause* Troubleshooting information cannot be read. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03937	An error occurred while parsing the result of the operation.	*Cause* An error occurred while the result of the operation was being parsed. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03938	The file used by the Replication Manager Application Agent could not be closed.	*Cause* A file used by Replication Manager Application Agent cannot be closed. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03939	The Replication Manager Application Agent environment is invalid.	*Cause* Data required to continue the operation is insufficient. *Action* Collect maintenance information, and then contact the Support Center.
RPM-03940	An error occurred due to a process not being executed during processing.	*Cause* The process could not be executed. *Action* Make sure that Replication Manager Application Agent is correctly running, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03941	A timeout occurred during processing.	*Cause* A timeout occurred. *Action*

Message ID	Message Text	Description
		Make sure that Replication Manager Application Agent is correctly running, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03942	The file used by the Replication Manager Application Agent could not be written.	*Cause* Data cannot be written to a file used by Replication Manager Application Agent. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03943	The file used by the Replication Manager Application Agent could not be deleted.	*Cause* A file used by Replication Manager Application Agent cannot be deleted. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03944	The file used by the Replication Manager Application Agent could not be closed.	*Cause* A file used by Replication Manager Application Agent cannot be closed. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03945	The specified shared data path is disabled.	*Cause* The specified shared data path is invalid. *Action* Specify a valid shared data path.
RPM-03946	The file used by the Replication Manager Application Agent could not be opened.	*Cause* A file used by Replication Manager Application Agent cannot be opened. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs

Message ID	Message Text	Description
		again, obtain maintenance information, and then contact the Support Center.
RPM-03947	The file used by the Replication Manager Application Agent for scheduled task registration could not be opened.	*Cause* A file used by Replication Manager Application Agent for scheduled task registration cannot be opened. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03948	The file used by the Replication Manager Application Agent for scheduled task registration could not be closed.	*Cause* A file used by Replication Manager Application Agent for scheduled task registration cannot be closed. *Action* The another operation might be being executed. Wait a while, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03949	An attempt to execute the pairsplit operation failed.	*Cause* An attempt to execute the pairsplit operation has failed. *Action* Make sure that CCI is properly installed. If it is properly installed, see the CCI log data, and then change the settings so that the `pairsplit` command can be properly executed.
RPM-03950	An attempt to acquire the information from Replication Manager Application Agent function has failed.	*Cause* An attempt to acquire Replication Manager Application Agent information has failed. *Action* Take the following actions: 1. Confirm that Replication Manager Application Agent is running properly, and then retry the operation. 2. Confirm that user authentication is successful if the RAID manager user authentication function is enabled.

Message ID	Message Text	Description
		If the problem persists, acquire the maintenance information, and then contact the Support Center.
RPM-03951	Task execution failed since service stopped during task execution.	*Cause* The task failed because a service stopped during execution of the task. *Action* Make sure that Replication Manager Application Agent has properly started, and then retry the operation. If this error occurs again, obtain maintenance information, and then contact the Support Center.
RPM-03952	Invalid catalog files are found in Replica Catalog location (*Replica Catalog Location*).	*Cause* Possible causes are as follows: 1. The specified replica catalog location contains a file with an extension other than drm or a directory. 2. The old replica catalog location contains a file with an extension other than drm or a directory. *Action* Take the action below whose number corresponds to the number of the cause given above: 1. Move any files other than the replica catalog file and any directories in the specified replica catalog location to other locations, or specify another location. 2. Move any files other than the replica catalog file and any directories in the old replica catalog location to other locations.
RPM-03953	The specified VDI Meta File Location *VDI Meta File Location* is invalid.	*Cause* *Installation-path-for-Application-Agent*`/conf/MSSQL` cannot be specified for the VDI meta file location. *Action* Specify another location for the VDI meta file location.
RPM-03954	The specified UNDO Log File Location *UNDO Log File Location* is invalid.	*Cause* *Installation-path-for-Application-Agent*`/conf/MSSQL` cannot be specified for the UNDO log file location.

Message ID	Message Text	Description
		Action Specify another location for the UNDO log file location.
RPM-03955	An attempt to create the specified directory *directory name* has failed in Replication Manager Application Agent.	*Cause* An unexpected error occurred when the directory was created. *Action* Make sure that the Application Agent service has sufficient permissions to operate on the target directory, and then retry the operation.
RPM-03956	An attempt to move the catalog files from the source directory *source directory name* to the destination directory *destination directory name* has failed in Replication Manager Application Agent.	*Cause* An unexpected error occurred when the catalog file was moved. *Action* Make sure that the Application Agent service has sufficient permissions to operate on the target directory, and then retry the operation.
RPM-03957	Replica catalog location is not specified in the Backup Server. Please perform Setup Application Agent in Backup Server to specify the Replica catalog location.	*Cause* The value of the parameter `EXPORT_CATALOG_PATH` does not exist in `SET_EXPORT_CATALOG_PATH.bat`, the batch file for the backup server. *Action* Specify the replica catalog location in the settings for Application Agent on the backup server.
RPM-03958	Replica catalog location information is not available in the Backup Server.	*Cause* The batch file `SET_EXPORT_CATALOG_PATH.bat` does not exist on the backup server. *Action* Uninstall and then re-install Replication Manager Application Agent. Then, retry the operation. If the same error occurs again, collect the necessary information, and then contact the Support Center.
RPM-03959	Replica catalog location *Replica catalog location name* does not exist in the Backup Server.	*Cause* The specified replica catalog location does not exist on the backup server. *Action* Check whether the specified replica catalog location exists on the backup server. If it does not exist, set up Application Agent on the backup server.

Message ID	Message Text	Description
RPM-03960	An attempt to create {*VDI Meta File*|*UNDO Log File*|*Replica Catalog*} location {*VDI Meta File Location*|*UNDO Log File Location*|*Replica Catalog Location*} has failed in Replication Manager Application Agent.	*Cause* The specified VDI meta file location, UNDO log file location, or replica catalog location is invalid. In Application Agent, you cannot create a directory for the VDI meta file location, UNDO log file location, or replica catalog location in the specified location. *Action* Specify a valid location. Make sure that the specified location does not contain a folder whose name contains special characters or that is not allowed by the OS.
RPM-03961	Replica catalog file does not exist in the Backup Server.	*Cause* The replica catalog file *application-type_database-server-name*`.drm` does not exist in the replica catalog location on the backup server. *Action* Make sure that the replica catalog file that was restored from a tape device or exported from the server exists in the replica catalog location specified in the Application Agent settings.
RPM-04500	Information required to check an SQL Instance does not exist.	*Cause* There is not enough information on the selected SQL Server instance. *Action* From **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.
RPM-04501	Information required to check a Database does not exist.	*Cause* There is not enough information on the selected database. *Action* From **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.
RPM-04502	No local pairs or remote pairs have been created for the Databases in the selected SQL instance.	*Cause* None of the databases in the selected SQL Server instance contains local or remote pairs. *Action*

Message ID	Message Text	Description
		Create a pair in each of the databases in the selected SQL Server instance. Next, from **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.
RPM-04503	No local pairs or remote pairs have been created for the Databases.	*Cause* The selected databases do not contain any local or remote pairs. *Action* Create a pair in each of the selected databases. Next, from **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.
RPM-04504	The primary LDEVs of the selected SQL instance's databases are reserved in the workflow. (SQL instance = *SQL Instance Name*)	*Cause* The primary volume LDEVs for all databases in the selected SQL Server instances are reserved by a workflow. *Action* Wait until the tasks of the Pair Configuration Wizard are finished, or try again after the LDEVs are released. To release the LDEVs, delete the workflow and tasks for the corresponding pair.
RPM-04505	The primary LDEVs of the selected Databases are reserved in the workflow.	*Cause* The primary volume LDEVs for the selected databases are reserved by a workflow. *Action* Wait until the tasks of the Pair Configuration Wizard are finished, or try again after the LDEVs are released. To release the LDEVs, delete the workflow and tasks for the corresponding pair.
RPM-04506	The target generations among the selected Databases are not the same.	*Cause* The target generations of the selected databases are different. *Action* If you want to match the target generations of the pairs, the MU number of each pair must be the same. Make sure that the MU numbers of the pairs are the same, and then retry the operation.

Message ID	Message Text	Description
RPM-04507	There are no Databases in the selected SQL Instance. (SQL Instance = *SQL Instance Name*)	*Cause* The selected SQL Server instance has no databases. *Action* Create a database in the selected SQL Server instance. Next, from **Applications** in **Resources**, select the host of the SQL Server instance, and then update the host information.
RPM-04508	The secondary LDEVs of the selected SQL Instance's Databases are reserved in the workflow. (SQL Instance = *SQL Instance Name*)	*Cause* The secondary volume LDEVs for all databases in the selected SQL Server instance are reserved by a workflow. *Action* Wait until the tasks of the Pair Configuration Wizard are finished, or try again after the LDEVs are released. The LDEVs are released when you delete the workflow and tasks for the corresponding pair.
RPM-04509	The secondary LDEVs of the selected Databases are reserved in the workflow.	*Cause* The secondary volume LDEVs for the selected databases are reserved by the workflow. *Action* Wait until the tasks of the Pair Configuration Wizard are finished, or try again after the LDEVs are released. The LDEVs are released when you delete the workflow and tasks for the corresponding pair.
RPM-04510	A pair operation is being performed for the selected Databases.	*Cause* A pair operation is being performed for a selected database. *Action* Wait until the pair operation is finished, and then retry the operation.
RPM-04511	No local pairs have been created for the selected Databases.	*Cause* The selected databases do not contain a local pair. *Action* Create a local pair in the selected databases. Next, from **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.

Message ID	Message Text	Description
RPM-04512	No remote pairs have been created for the selected Databases.	*Cause* The selected databases do not contain a remote pair. *Action* Create a remote pair in the selected databases. Next, from **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.
RPM-04513	The primary and secondary copy pair management servers belong to the same instance of Device Manager. Please change the server configuration to make it identical.	*Cause* Primary server and Secondary server configuration are not identical. *Action* Please change the server configuration to make it identical, and then retry the operation.
RPM-04514	No replicas have been created for the selected SQL Instance.	*Cause* The selected SQL Server instance has no replicas. *Action* Create a replica, and then retry the operation.
RPM-04515	The secondary volume of the selected target backup server is not mounted.	*Cause* The secondary volume has not been mounted to the selected target backup server. *Action* Mount the secondary volume to the backup server, and then retry the operation.
RPM-04516	More than 64 Databases cannot be replicated at a time.	*Cause* More than 65 Databases cannot be replicated at a time. *Action* Select 64 or fewer databases, and then retry the operation. If you want to create a replica for more than 65 databases, separate the operation into multiple operations.
RPM-04517	The secondary LDEV of an SQL Instance pair is reserved in the workflow. (SQL Instance = *SQL Instance Name*)	*Cause* The secondary LDEV that belongs to the pair for the SQL Server instance is reserved by the workflow. *Action* Release the secondary LDEV, and then retry the operation. To release

Message ID	Message Text	Description
		the LDEV, delete the workflow and tasks for the corresponding pair.
RPM-04518	No volumes have been allocated for the Databases in the selected SQL Instance.	*Cause* No volumes have been allocated to any of the databases in the selected SQL Server instance. *Action* Allocate one or more volumes to the databases. Next, from **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.
RPM-04519	No volumes have been allocated for the selected Databases.	*Cause* No volumes have been allocated to the selected databases. *Action* Allocate one or more volumes to the databases. Next, from **Applications** in **Resources**, select the host for the SQL Server instance, and then update the host information.
RPM-04520	Replication Manager Application Agent for SQL Component is not installed in the selected backup server. (backup server name = *backup server name*)	*Cause* In selected backup server, Replication Manager Application Agent for SQL component is not installed. *Action* Please install Replication Manager Application Agent for SQL component, and then retry the operation.
RPM-04521	The System Database and the Distribution Database are both included in the LDEV of the selected SQL Instance.	*Cause* You cannot perform the operation because the system database and the distribution database for the selected replica are on the same LDEV. *Action* To perform this operation, the system database and the distribution database must be placed in separate LDEVs. Create an SQL Server instance in which the system database and the distribution database are placed in separate LDEVs, and then retry the operation.
RPM-04522	There are no SQL Instances in the target server.	*Cause* The target original or alternate SQL instance cannot be found on the database server or backup server to be restored. *Action*

Message ID	Message Text	Description
		Make sure there is an original or alternate SQL instance on the database server or backup server to be restored, and then retry the operation.
RPM-04523	The secondary LDEVs of the copy pairs associated with the target SQL Instance are reserved. (instance = *SQL Instance Name*)	*Cause* The secondary volume LDEV for the copy pair that belongs to the target SQL Server instance is reserved. *Action* Wait until the tasks for the Pair Configuration Wizard are finished, or try again after the LDEV is released. To release the LDEV, delete the workflow and tasks for the corresponding pair.
RPM-04524	The acquisition of SQL Instance information for the selected task has failed. (task ID = *Task ID*)	*Cause* There are no SQL Server instances included for the selected task. *Action* Update the host information, and then retry the operation.
RPM-04525	No volumes have been allocated for the selected SQL Instance.	*Cause* No storage system volumes have been allocated to the selected SQL Server instances. *Action* Allocate one or more storage system volumes to the database for each SQL Server instance, update the host information and then retry the operation.
RPM-04526	A volume not managed by Device Manager has been allocated for the selected SQL Instance.	*Cause* The volumes allocated to the selected SQL Server instances are not managed by Device Manager. *Action* Use Device Manager to add storage systems, and then use Replication Manager to update the configuration.
RPM-04527	The configuration of the volumes or copy groups for the selected SQL Instance is unsupported.	*Cause* The selected SQL Server instance consists of multiple copy groups. *Action* To successfully manage instances by using Replication Manager, you must use a single copy group to manage all volumes for an SQL Server instance. If a copy group manages only some of

Message ID	Message Text	Description
		the volumes in an SQL Server instance, change the management configuration to include all volumes.
RPM-04528	The selected SQL Instance contains copy groups that do not extend across all primary volumes.	*Cause* The selected SQL Server instance contains copy groups that do not use all primary volumes. *Action* Start the Pair Configuration Wizard from other than the application view, and then edit the configuration definition file. If you edit the configuration definition file directly, refresh the configuration after editing.
RPM-04529	The selected SQL Instance has already been deleted.	*Cause* The selected SQL Server instance has already been deleted. *Action* No user action is required.
RPM-04530	The selected target(s) name containing double quotes is not supported for Replica Operation.	*Cause* The selected target name contains double quotation marks, which cannot be used for replica operations. *Action* Rename the selected target so that the name does not include double quotation marks.
RPM-04532	The Application Agent versions for the database server and the backup server do not match.	*Cause* The Replication Manager Application Agent versions for the database server and the backup server do not match. *Action* Use the same Replication Manager Application Agent version for the database server and the backup server.
RPM-04533	SQL Replica functionality is not supported for Replication Manager Application Agent version 6.3.	*Cause* SQL Server is not supported by Replication Manager Application Agent 6.3. *Action* To manage SQL Server replicas, use Replication Manager Application Agent 6.4 or later.
RPM-04534	The acquisition of Database information for the selected	*Cause*

Message ID	Message Text	Description
	task has failed. (task ID = *Task ID*)	The database information contained in the selected task does not exist. *Action* Update the host information, and then retry the operation.
RPM-04535	The Replication Manager Application Agent for Exchange component is not installed on the specified host. (name = *App Agent Name*, host ID = *Host ID*)	*Cause* The Replication Manager Application Agent for Exchange component is not installed on the specified host. *Action* If you want to manage Exchange Server, install the Replication Manager Application Agent for Exchange component on the specified host.
RPM-04536	The Replication Manager Application Agent for SQL component is not installed on the specified host. (name = *App Agent Name*, host ID = *Host ID*)	*Cause* The Replication Manager Application Agent for SQL component is not installed on the specified host. *Action* If you want to manage SQL Server, install the Replication Manager Application Agent for SQL component on the specified host.
RPM-04537	The backup server is not specified or does not exist for the selected database server.	*Cause* A backup server is not specified for the selected database server, or there is no backup server. *Action* Specify the backup server, and then retry the operation. You cannot use this function in a configuration without a backup server.
RPM-04538	The specified replica information does not exist.	*Cause* The specified replica information does not exist. *Action* Select an available replica from the Replica History window, and then click **Restore Replica** again.
RPM-04539	For the selected target, copy group is not identified because multiple copy groups have same copy group name in the host.	*Cause* For the selected target, a copy group could not be identified because there are multiple copy groups in the same host that has the same name. *Action* Start the Pair Configuration Wizard from a copy group displayed by

Message ID	Message Text	Description
		selecting **Resources** and then Pair configurations. If you want to start the **Pair Configuration** Wizard by selecting **Resources** and then **Applications**, do not to create copy groups that have the same name in the same host.
RPM-04540	Replica catalog location path is not set for the Backup Server which is associated to the Database server.	*Cause* Replica catalog location path is not set for the Backup Server which is associated to the Database server. *Action* Set the replica catalog location path for the backup server which is associated to the database server.
RPM-04541	Original SQL instance is not available in the target database server. (InstanceName = *SQL Instance Name*)	*Cause* Original SQL instance is not available in the target database server. *Action* In order to restore the system database or distribution database, the SQL instance, same as the one when the Replica was created, needs to exist. Modify the configuration that the SQL instance exists, and then execute again.
RPM-04542	The specified replica contains no user databases. A user database is required in a replica to restore the replica onto another server.	*Cause* A replica that does not contain a user database is selected. *Action* To restore a replica onto another server, the replica must contain a user database. Select a replica that contains a user database, and then try again.
RPM-04543	The information necessary for checking the information store does not exist.	*Cause* Information about the selected information store is insufficient. *Action* Select the host in the windows displayed by choosing **Resources** and then **Applications** from the **Explorer** menu, and then update the host information.
RPM-04544	One or more selected information stores do not have any storage system volumes allocated to them.	*Cause* No storage system volume has been allocated to the selected information stores. *Action*

Message ID	Message Text	Description
		After allocating storage system volumes to the databases, select the relevant host in the window displayed by choosing **Resources** and then choosing **Applications**, and then update the host information.
RPM-04545	One or more LDEVs associated with the selected information store are reserved in the workflow. (information store name = *information-store-name*)	*Cause* An information store for a logical device for the primary volume has been reserved by a workflow. *Action* Either wait until the Pair Configuration Wizard task ends or cancel the reservation, and then try again. You can cancel the reservation by deleting the corresponding workflow and task.
RPM-04546	One or more LDEVs used for the secondary volumes of the selected information store pairs are reserved in the workflow. (information store name = *information-store-name*)	*Cause* A information store that has been reserved by the workflow is selected for the logical devices for the secondary volume in the pair. *Action* Either wait until the Pair Configuration Wizard task ends or cancel the reservation, and then try again. You can cancel the reservation by deleting the corresponding workflow and task.
RPM-04547	No copy pairs exist for the selected information store, or the copy pairs are not the same type.	*Cause* The information store that has no copy pairs or no copy pairs of the same copy type is selected. *Action* Perform the following procedure: 1. Create copy pairs of the same copy type for the selected storage group. 2. Update the host information in the window displayed by choosing **Resources** and then **Applications** from the **Explorer** menu. 3. Retry the operation.
RPM-04548	A pair operation is currently being executed for the selected information store.	*Cause* An information store for which a pair operation is being executed is selected. *Action* Wait until the operation has been completed, and then try again.

Message ID	Message Text	Description
RPM-04550	No information stores exist in the selected replica.	*Cause* A replica that has no information store is selected. *Action* Select the relevant host in the window displayed by choosing **Resources** and then choosing **Applications** from the **Explorer** menu, and update the host information to refresh the configuration.
RPM-04551	Replicas do not exist for one or more of the selected information stores.	*Cause* No replica exists for an information store. *Action* Create replicas that contain the target information stores, and then try again.
RPM-04552	The selected information stores do not belong to the same replica.	*Cause* The information stores that belong to different replicas are selected. *Action* Either select the information stores one by one or select a replica in the replica history list, and then perform restoration.
RPM-04553	No storage volumes are allocated to the selected information store.	*Cause* An information store to which no storage system volumes have been allocated is selected. *Action* Perform the following procedure: 1. Allocate storage system volumes to the information stores. 2. Update the host information in the window displayed by choosing **Resources** and then **Applications** from the **Explorer** menu.
RPM-04554	One or more volumes allocated to one or more of the selected information stores are not managed by Device Manager.	*Cause* An information store to which volumes that are not managed by Device Manager are allocated is selected . *Action* To use Replication Manager to manage volumes allocated to the selected information stores, perform the following procedure:

Message ID	Message Text	Description
		1. In Device Manager, add a storage system that stores the volumes of the information stores. 2. Update the configuration in Replication Manager.
RPM-04555	The selected information store exists in multiple copy groups.	*Cause* A selected information store consists of multiple copy groups. *Action* To use Replication Manager for management, all volumes for an information store must be managed by one copy group. If volumes for an information store are managed by multiple copy groups, change the configuration so that all of the relevant volumes are managed by one copy group.
RPM-04556	One or more of the copy groups that contain the selected information stores are not using all of the primary volumes.	*Cause* The selected information store contains copy groups that do not use all primary volumes. *Action* Start the Pair Configuration Wizard from a view other than the application view, and then edit the configuration definition file. If you edit the configuration definition file directly, refresh the configuration after editing.
RPM-04557	One or more selected information stores do not have any volumes assigned to them.	*Cause* An information store to which no volumes have been allocated is selected. *Action* Perform the following procedure: 1. Allocate volumes to the information stores . 2. Update the host information in the window displayed by choosing **Resources** and then **Applications** from the **Explorer** menu.
RPM-04558	The selected pair management server is not managed by HRpM. (pair management server name = *pair-management-server-name*)	*Cause* A pair management server that is not managed by Replication Manager is selected. *Action*

Message ID	Message Text	Description
		Start the Pair Configuration Wizard, and then select another pair management server on the group creation page. Alternatively, set the selected pair management server as the management target of Replication Manager.
RPM-04559	The selected tasks do not contain the same copy type.	*Cause* Tasks whose copy types are different are selected. *Action* If you want to select and edit multiple tasks, make sure that the following conditions are satisfied: 1. The copy types of all tasks are the same. 2. The operation types of all tasks are the same. 3. The storage systems are all enterprise class storage systems or all midrange storage systems.
RPM-04560	The selected tasks contain both enterprise-class storage and midrange storage.	*Cause* Selected tasks include enterprise class storage systems and midrange storage systems. *Action* When you edit multiple tasks, make sure that the target storage systems are all enterprise class storage systems or all midrange storage systems.
RPM-04561	The selected tasks do not contain the same operation type.	*Cause* Tasks that have different operation types exist are selected. *Action* When you edit multiple tasks, make sure that the following conditions are satisfied: • The operation types of all tasks are the same. • The storage systems are all enterprise class storage systems or all midrange storage systems.
RPM-04564	The generation IDs of the selected information store do not match.	*Cause* The generation IDs of the selected information store do not match. *Action*

Message ID	Message Text	Description
		Make sure that the generation IDs of the selected information store match.
RPM-04565	No local copy pairs exist for one or more of the selected information stores.	*Cause* No local copy pairs exist for the selected information store. *Action* Perform the following: 1. Create a local copy pair for the information store. 2. From the **Explorer** menu, select **Resources**, **Applications**, and then refresh the host information from the displayed screen. 3. Re-execute the task.
RPM-04566	No remote copy pairs exist for one or more of the selected information stores.	*Cause* No remote copy pairs exist for the selected information store. *Action* Perform the following: 1. Create a remote copy pair for the information store. 2. From the **Explorer** menu, select **Resources**, **Applications**, and then refresh the host information from the displayed screen. 3. Re-execute the task.
RPM-04568	The pair configuration file is not managed by a Device Manager Agent.	*Cause* The pair configuration file is excluded from Device Manager agent management. *Action* To manage the pair configuration file by using the Device Manager agent, change the Device Manager agent settings file so that the instance number corresponding to the pair configuration file can be managed, and then refresh the configuration.
RPM-04569	Information regarding the selected information store could not be acquired. (task ID = *task-id*)	*Cause* The information of information store contained in the selected task does not exist. *Action* Update the host information, and then try again.

Message ID	Message Text	Description
RPM-04571	Execution of the function failed because the version of Business Continuity Manager is old.	*Cause* When Business Continuity Manager or Mainframe Agent version is less than 6.3 *Action* Ensure that Business Continuity Manager or Mainframe Agent version is not lesser than 6.3
RPM-04573	The backup server-related setup will be modified.	*Cause* Backupserver information is modified. *Action* Delete the existing task and then retry the operation.
RPM-04574	The Application Agent related to the Conceal/Reveal operation is deleted. Create a new task by invoking the Pair Configuration Wizard or execute this task without the Conceal/Reveal option.	*Cause* Backup server or corresponding database server is deleted. *Action* Delete the existing task and then retry the operation or executing the task without conceal or reveal operation.
RPM-04575	The maximum number of V-VOLs that can be created has been reached.	*Cause* The maximum number of V-VOLs that can be created has been reached. *Action* Delete any unnecessary V-VOLs, and then retry the operation.
RPM-04576	This configuration is not supported. The primary volume of the child group is not shared as the secondary volume of the parent group.	*Cause* This configuration is not supported. The primary volume of the child group is not shared as the secondary volume of the parent group. *Action* Use CCI to share the primary volume of the child group as the secondary volume of the parent group.
RPM-04577	Operations for creating, editing, or deleting copy groups and for adding or deleting nodes cannot be executed simultaneously on the same copy group from the same wizard.	*Cause* Operations for creating, changing, or deleting copy pairs and for adding or deleting nodes cannot be executed simultaneously on the same copy group from the same wizard. *Action* Perform an operation after a previous operation is complete. Copy pair operations and node operations cannot be performed on the same

Message ID	Message Text	Description
		copy group from the same wizard. When a previous task is complete, start a new wizard, and then perform the next operation.
RPM-04578	You cannot add a node and delete a node simultaneously from the same wizard.	*Cause* You cannot add a node and delete a node from the same wizard. *Action* Perform an operation after a previous operation is complete. You cannot add a node to and delete a node from the same copy group simultaneously from the same wizard. When a previous task is complete, start a new wizard, and then perform the next operation.
RPM-04579	Only one node is set. You cannot delete all nodes from a copy group.	*Cause* A minimum of one node for a copy group must be available for use. *Action* You cannot delete all nodes from an existing copy group. To delete all nodes, delete the copy group. To delete the existing nodes and add new nodes, add the new nodes, and then delete the old nodes. When the task for adding the nodes is complete, you must start a new wizard to delete the old nodes.
RPM-04580	A copy type is not specified for the selected copy group.	*Cause* A copy type is not specified for the selected copy group. *Action* Select a copy type in the window [**2. Pair Association**], and then proceed to the window [**3. Group Management**] to add or delete nodes, or edit a group.
RPM-04581	One or more copy groups in the topology are defined in storage.	*Cause* One or more copy groups in the selected topology are defined in storage. *Action* To perform operations on the copy groups in the selected topology, remove the copy groups defined in storage.
RPM-04582	The specified storage system does not exist.	*Cause*

Message ID	Message Text	Description
		The specified storage system does not exist. *Action* Take appropriate action from the following: 1. Make sure the specified storage system has been registered as a resource of Device Manager. 2. Use Device Manager to refresh the target storage system information, and then use Replication Manager to refresh the configuration information.
RPM-04583	The specified storage system is not supported.	*Cause* The specified storage system is not supported. *Action* No user action is required.
RPM-04584	The specified remote storage system does not support remote paths for which an MCU/RCU is specified. (remote storage system name = *Storage System*)	*Cause* The specified remote storage system does not support remote paths for which an MCU/RCU is specified. *Action* Remove the specified MCU or RCU, and then retry the operation.
RPM-04588	The storage system information is not the same in Replication Manager and Device Manager. Refresh the storage system information.	*Cause* The storage system information is not the same in Replication Manager and Device Manager. *Action* Refresh the storage system information.
RPM-04589	Replication Manager failed to acquire the information.	*Cause* The operation target does not exist. *Action* Click the [**Refresh Tree**] button, make sure the displayed information is appropriate, and then retry the same operation.
RPM-04600	The specified consistency group ID is already being used by another copy group in the same storage system.	*Cause* The specified consistency group ID is already being used by another copy group in the same storage system. *Action* Specify a consistency group ID that is not being used by another copy group in the storage system.

Message ID	Message Text	Description
RPM-04601	The connected Device Manager agent does not support creation of copy pairs by specifying a consistency group ID.	*Cause* The connected Device Manager agent does not support specifying consistency group IDs. *Action* Upgrade the Device Manager agent to version 7.0.1 or later, and then retry the operation.
RPM-04602	The specified MU number is already being used by another copy group that contains the specified volume. (MU number = *munumber*)	*Cause* The specified MU number is already being used by another copy group that contains the specified volume. *Action* Specify an MU number that is not being used by a copy group that contains the specified volume.
RPM-04800	Acquisition of information necessary for starting a HORCM instance has failed. (pair management server name = *pair management server name*)	*Cause* Acquisition of information necessary for starting a HORCM instance has failed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the host from Device Manager.
RPM-04801	Mount processing was successful, but the execution result failed to be reflected on the Replication Manager server.	*Cause* An attempt to access the database has failed. *Action* Update the host information, and then refresh the configuration.
RPM-04802	Unmount processing was successful, but the execution result failed to be reflected on the Replication Manager server.	*Cause* An attempt to access the database has failed. *Action* Update the host information, and then refresh the configuration.
RPM-04803	The Replication Manager Application Agent schedule information was successfully refreshed, but the Replication Manager server task information failed to be refreshed.	*Cause* An attempt to access the database has failed. *Action* Update the host information, refresh the configuration, and then perform the task operation again.

Message ID	Message Text	Description
RPM-04804	The task was successfully executed, but the execution result failed to be reflected on the Replication Manager server.	*Cause* An attempt to access the database has failed. *Action* Update the host information, refresh the configuration, and then perform the task operation again.
RPM-04807	The information acquired from the Device Manager agent is invalid.	*Cause* Advanced pair operation failed. *Action* Re-execute the advanced pair operation task.
RPM-04808	No catalog information is available from the backup server.	*Cause* There is no catalog information available on the backup server for performing import operation. *Action* Make sure that the catalog information to be imported is available on the backup server, and then retry the operation.
RPM-04809	A restore-replica task is now being executed on the target host. Please re-execute the operation after the current task execution is completed. (task being executed = *Executing Task ID*)	*Cause* A restore-replica task is now being executed on the target host. *Action* The same host cannot execute a restore-replica task at the same time. Re-execute the operation after the current task execution in that host is completed.
RPM-04810	The version of the connected Device Manager agent is not supported by Replication Manager.	*Cause* The version of the Device Manager agent is not supported. *Action* Install a Device Manager agent of version 6.4 or later.
RPM-04811	The specified advanced pair operation has not been executed.	*Cause* The pair operation command has not been executed. *Action* Check the copy pair state. If necessary, try again.
RPM-04812	The specified storage system does not support takeover operations.	*Cause* The specified storage system does not support takeover operations. *Action*

Message ID	Message Text	Description
		No user action is required.
RPM-04813	The specified storage system does not support force-split operations.	*Cause* The specified storage system does not support force-split operations. *Action* No user action is required.
RPM-04814	The replica(s) selected for deletion has been mounted in the backup server. Please unmount the replica(s), and then try again.	*Cause* The selected replicas have been mounted on the backup server. *Action* Unmount the selected replicas, and then try again.
RPM-04815	The version of the Application Agent does not support conceal/reveal operation.	*Cause* This version of Application Agent does not support the conceal or reveal operation. *Action* Update Application Agent to a version 7.0 or later.
RPM-04817	An attempt to acquire the copy pair status has failed. (pair name = *copy-pair-name*, primary storage system name = *primary-storage-system-name*, secondary storage system name = *secondary-storage-system-name*)	*Cause* The configuration might have changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After verifying that the copy pair is displayed, refresh the copy pair status and verify that the copy pair is in the Completed status.
RPM-04818	An attempt to acquire the copy pair status has failed. (group name = *copy-group-name*, primary storage system name = *primary-storage-system-name*, secondary storage system name = *secondary-storage-system-name*)	*Cause* The configuration might have changed. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. After verifying that the copy pair is displayed, refresh the copy pair status and verify that the copy pair is in the Completed status.
RPM-04819	You do not have the required permission (*required-*	*Cause* Specify different resources, or set the required permission for the resources

Message ID	Message Text	Description
	permission) for the selected resources (*resources*).	specified in the displayed message. Only Device Manager users with the Admin permission can set access permissions. *Action* The operation cannot be performed, because the user does not have the permission required for the specified volumes.
RPM-04820	The task cannot be executed because a prerequisite task has not been successfully executed yet.(prerequisite task ID = *Prerequisite Task ID*)	*Cause* A prerequisite task has not been executed successfully. *Action* Make sure that the prerequisite task has executed successfully and retry the operation. If a prerequisite task cannot be executed, delete the workflow, and then edit the configuration definition file by using the Pair Configuration Wizard.
RPM-04821	An attempt to execute a task has failed.	*Cause* An attempt to acquire task execution results has failed. Possible causes are as follows: 1. The OS was restarted during task execution on the host where Replication Manager Application Agent is installed. 2. Task execution was forcibly terminated on the host where Replication Manager Application Agent is installed. *Action* Update the host information, and then try again. If the error occurs again, check the system log and confirm that there are no problems with the OS on which Replication Manager Application Agent is installed, and then retry the operation.
RPM-04822	An attempt to schedule a task has failed.	*Cause* An attempt to schedule a task has failed. *Action* Check the system log and confirm that there are no problems with the OS on which Replication Manager

Message ID	Message Text	Description
		Application Agent is installed, and then retry the operation.
RPM-04823	An attempt to update the Device Manager database failed. (storage system to be updated = *Storage System*)	*Cause* An attempt to update the Device Manager database failed. *Action* Using the Device Manager, refresh the target storage system information.
RPM-04824	Device Manager failed to update the storage system information.	*Cause* Device Manager failed to update the storage system information. *Action* Using Device Manager, refresh the target storage system information.
RPM-04825	Device Manager failed to update the host information.	*Cause* Device Manager failed to update the host information. *Action* Using Device Manager, refresh the target host information.
RPM-04826	LUSE volumes cannot be specified for the selected copy type. (copy group name = *Copy Group Name*)	*Cause* LUSE volumes cannot be specified for the selected copy type. *Action* Select non-LUSE volumes.
RPM-04827	This configuration is not supported. Freeze/Run is specified for the copy groups of a pair management server in a redundant configuration.	*Cause* This configuration is not supported. Freeze/Run is specified for the copy groups of a pair management server in a redundant configuration. *Action* If a redundant configuration is not necessary, delete the node by using the copy pair configuration wizard. If the Freeze/Run setting is not necessary, revise the `HORCM_CTQM` setting in the copy pair configuration files.
RPM-04828	The multiple selected copy pairs or copy pairs associated with the selected copy pairs are not using the same JNLG.	*Cause* The multiple selected copy pairs or copy pairs associated with the selected copy pairs are not using the same JNLG. *Action* In the same topology, identify copy groups for which Freeze/Run is specified, and check which JNLG is

Message ID	Message Text	Description
		used by each copy pair. If copy groups for which Freeze/Run is specified exist in the same topology, select the copy pairs that are using the same JNLG or select copy pairs associated with the JNLG, and then start the copy pair configuration wizard.
RPM-04829	In the selected copy groups or copy groups contained in the same topology, open system copy pairs are mixed with mainframe system copy pairs. The copy pair configuration wizard cannot start when both open system copy pairs and mainframe system copy pairs are selected.	*Cause* In the selected copy groups or copy groups contained in the same topology, open system copy pairs are mixed with mainframe system copy pairs. The copy pair configuration wizard cannot start when both open system copy pairs and mainframe system copy pairs are selected. *Action* If you want to start the copy pair configuration wizard to perform open system pair operations, specify only open system copy pairs. If you want to start the copy pair configuration wizard to perform mainframe system pair operations, specify only mainframe system copy pairs.
RPM-04830	The copy pair configuration wizard cannot start with all pairs specified in a copy group because Freeze/Run is specified for the selected copy group or a copy group in the same topology.	*Cause* The copy pair configuration wizard cannot start with all pairs specified in a copy group because Freeze/Run is specified for the selected copy group or a copy group in the same topology. *Action* From among the copy groups for which Freeze/Run is specified, select the relevant copy pairs or the copy pairs associated with them in the same JNLG as the copy pairs for which operations are to be performed, and then start the copy pair configuration wizard.
RPM-04831	In the multiple copy groups for which 3DC Delta Resync is specified, copy groups for which Freeze/Run is specified are mixed with copy groups for which Freeze/Run is not specified.	*Cause* In the multiple copy groups for which 3DC Delta Resync is specified, copy groups for which Freeze/Run is specified are mixed with copy groups for which Freeze/Run is not specified. *Action* In the multiple copy groups for which 3DC Delta Resync is specified, ensure that copy groups for which Freeze/Run is specified are not mixed

Message ID	Message Text	Description
		with copy groups for which Freeze/Run is not specified.
RPM-04832	The Freeze/Run setting for copy groups is specified only in the primary configuration file or only in the secondary configuration file. The Freeze/Run setting must be specified in both configuration files.	*Cause* The Freeze/Run setting for copy groups is specified only in the primary configuration file or only in the secondary configuration file. The Freeze/Run setting must be specified in both configuration files. *Action* Revise the configuration files.
RPM-04833	An add node operation cannot be performed on a copy group for which Freeze/Run is specified.	*Cause* An add node operation cannot be performed on a copy group for which Freeze/Run is specified. *Action* Revise the copy groups for which an add node operation is to be performed.
RPM-04834	The volume *LDEV* in the storage system *Storage System* is already being used in a workflow.	*Cause* The LDEV is already in use in another workflow. *Action* Delete the workflow the LDEV is associated with, or remove the LDEV as a target of the pair operation, and then retry the operation, as necessary.
RPM-04835	Tasks related to copy groups for which Freeze/Run is specified and tasks related to copy groups for which Freeze/Run is not specified cannot be edited at the same time.	*Cause* Tasks related to copy groups for which Freeze/Run is specified and tasks related to copy groups for which Freeze/Run is not specified cannot be edited at the same time. *Action* Edit the tasks individually. Alternatively, edit only tasks related to copy groups for which Freeze/Run is specified, or edit only tasks related to copy groups for which Freeze/Run is not specified.
RPM-04836	The multiple selected volumes contain volumes of copy pairs that are being managed by Business Continuity Manager and copy pairs that are being managed by CCI / RAID Manager.	*Cause* The multiple selected volumes contain volumes of copy pairs that are being managed by Business Continuity Manager and copy pairs that are being managed by RAID Manager. *Action*

Message ID	Message Text	Description
		Select only the volumes of copy pairs being managed by Business Continuity Manager or select only the volumes of copy pairs being managed by RAID Manager, and then try again.
RPM-04837	Tasks associated with open system copy groups and tasks associated with mainframe copy groups cannot be edited at the same time.	*Cause* Tasks associated with open system copy groups and tasks associated with mainframe copy groups cannot be edited at the same time. *Action* Edit only tasks associated with open system copy groups or tasks associated with mainframe copy groups.
RPM-04838	You cannot edit a copy group and perform other operations on that copy group simultaneously from the same wizard.	*Cause* You cannot edit a copy group and perform other operations on that copy group simultaneously from the same wizard. *Action* After the current operation on the applicable copy group is complete, edit that group.
RPM-04839	The copy pair configuration wizard or the change pair status wizard cannot start because the copy group contains copy pairs that cannot be identified as either open system copy pairs or mainframe copy pairs.	*Cause* The copy pair configuration wizard or the change pair status wizard cannot start because the copy group contains copy pairs that cannot be identified as either open system copy pairs or mainframe copy pairs. *Action* For the copy pairs in the copy group, check whether the volumes belonging to the copy pairs can be recognized by Replication Manager.
RPM-04840	The specified Copy Group does not exist. Click the [Refresh Tree] button, make sure the displayed information is appropriate.	*Cause* The specified Copy Group does not exist. *Action* Click the [**Refresh Tree**] button, make sure the displayed information is appropriate, and then retry the same operation.
RPM-04841	The specified Pair Management Server does not exist. Click the [Refresh Tree] button, make sure the displayed information is appropriate.	*Cause* The specified Pair Management Server does not exist. *Action*

Message ID	Message Text	Description
		Click the [**Refresh Tree**] button, make sure the displayed information is appropriate, and then retry the same operation.
RPM-04842	The specified Configurations File does not exist. Click the [Refresh Tree] button, make sure the displayed information is appropriate.	*Cause* The specified Configurations File does not exist. *Action* Click the [**Refresh Tree**] button, make sure the displayed information is appropriate, and then retry the same operation.
RPM-04843	The specified Prefix does not exist. Click the [Refresh Tree] button, make sure the displayed information is appropriate.	*Cause* The specified Prefix does not exist. *Action* Click the [**Refresh Tree**] button, make sure the displayed information is appropriate, and then retry the same operation.
RPM-04844	A pair operation for the specified copy group was canceled because a task for editing a copy group name is currently being executed. Wait until the current task finishes, and then re-execute the operation. (ID of the currently executing task = *Executing Task ID*)	*Cause* A pair operation for the specified copy group was canceled because a task for editing a copy group name is currently being executed. *Action* Wait until the current task finishes, and then re-execute the operation.
RPM-04845	The editing of a copy group name was canceled because a pair operation task for the specified copy group is currently being executed. Wait until the current task finishes, and then re-execute the operation. (ID of the currently executing task = *Executing Task ID*)	*Cause* The editing of a copy group name was canceled because a pair operation task for the specified copy group is currently being executed. *Action* Wait until the current task finishes, and then re-execute the operation.
RPM-04846	Function execution failed because the Device Manager agent version is old. (host name = *Host Name*, Device Manager agent version = *Device Manager agent version*)	*Cause* The specified operation cannot be performed because the Device Manager agent version is old. *Action* Update the Device Manager agent to the same version as Replication Manager.
RPM-04847	The Replication Manager service is stopping.	*Cause* The Replication Manager service is stopping.

Message ID	Message Text	Description
		Action Verify that Replication Manager is running, and then retry the operation.
RPM-04848	Replication Manager is in maintenance mode.	*Cause* Replication Manager is in maintenance mode. *Action* Change Replication Manager to normal mode, and then retry the operation.
RPM-04849	The specified task does not exist in the Replication Manager database. (task ID = *Task ID*)	*Cause* The specified task does not exist in the Replication Manager database. *Action* Verify that the task is displayed in the List List Screen.
RPM-04850	The specified task is not a CLI task. (task ID = *Task ID*)	*Cause* The specified task is not a CLI task. *Action* Verify that the task is a CLI task in the List of Tasks List Screen.
RPM-04851	The specified task is not in an executable state. (task ID = *Task ID*)	*Cause* The specified task is not in an executable state. *Action* Verify that the task is in one of the following statuses from the List of Tasks window: Ready, Success, Warning, or Failure.
RPM-04853	The user ID or password is invalid or incorrect.	*Cause* When the specified user ID or password is incorrect (This message is also output when an invalid character is entered for the user ID or password.) *Action* Specify a valid user ID and password.
RPM-04854	The access permissions of the specified user are invalid.	*Cause* When the specified user does not have the execute permission for the task *Action* A user account must be specified that has the Replication Manager Modify permission and the All Resources permission for the resource groups.

Message ID	Message Text	Description
RPM-04855	The specified pool does not exist or the value entered for "Used by" is invalid. (pool ID = *poolID*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the operation. To edit the specified pool, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04856	The specified LDEV is already created. (LDEV = *LDEV*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the operation. To edit the specified LDEV, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04857	The specified host does not exist. (host name = *host name*)	*Cause* The host configuration was changed after the task was created. *Action* Revise the host configuration, and then retry the operation. To edit the specified host, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04858	The specified port does not exist or the port attributes are invalid.	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the operation. To edit the specified port, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04859	The specified LDEV does not exist. (LDEV = *LDEV*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the

Message ID	Message Text	Description
		operation. If the task does not succeed, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04860	All WWN and iSCSI initiators for the specified host are already being used by other host groups. (host name = *host name*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the operation. To edit the specified host group, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04861	The specified host group cannot be registered because the maximum number of host groups that can be registered (*Maximum Number of HostGroups*) has already been reached.	*Cause* The maximum number of host groups that can be registered has already been reached. *Action* Revise the storage system configuration, and then retry the operation. To edit the specified host group, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04862	The specified LDEV is already registered in the host group. (LDEV = *LDEV*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the operation. If the task does not succeed, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04863	The specified LUN is already being used by the host group. (LUN = *LUN*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the

Message ID	Message Text	Description
		operation. If the task does not succeed, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04864	The host (WWN or iSCSI initiator) is not set for an existing host group. (host name = *host name*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the storage system configuration, and then retry the operation. If the task does not succeed, use Device Manager to delete the LDEVs created by the workflow, delete the workflow, and then create a new task from the Pair Configuration Wizard.
RPM-04865	The operation cannot be performed because creation of the selected volume is not complete.	*Cause* The operation cannot be performed because the selected volume is not finished being created. *Action* Wait until the volume is finished being created, and then retry the operation.
RPM-04866	The specified LDEV ID is already being used by the secondary storage system. (LDEV ID = *LDEV ID*)	*Cause* The specified LDEV ID is already being used. *Action* Specify a different LDEV ID, and then retry the operation.
RPM-04867	The maximum number of LUNs that can be registered in the specified host group has been reached. (port = *port*, host group = *host group*)	*Cause* The maximum number of LUNs that can be registered in the specified host group has been reached. *Action* Specify a different host group, and then retry the operation.
RPM-04868	The maximum number of host groups that can be created for the specified port has been reached. (port = *port*)	*Cause* The maximum number of host groups that can be created for the specified port has been reached. *Action* Specify a different port, and then retry the operation.
RPM-04869	The maximum number of LDEV IDs that can be created has been reached.	*Cause* The maximum number of LDEV IDs that can be created has been reached.

Message ID	Message Text	Description
		Action Specify a different CU or LDEV start number, and then retry the operation.
RPM-04870	The specified port cannot be used for volume allocation in the secondary storage system. (port = *port*)	*Cause* The specified port cannot be used for volume allocation in the secondary storage system. *Action* Specify a different port, and then retry the operation.
RPM-04871	The specified host group already exists but it cannot be used for the selected allocation target. (port = *port*, host group = *host group*)	*Cause* The specified host group already exists, but the selected allocation target is being used by another host. *Action* Specify a different host group, and then retry the operation.
RPM-04872	The specified allocation target is already being used by a different host group. (port = *port*, host group = *host group*)	*Cause* The specified allocation target is already being used by a different host group. *Action* Specify a different host group, and then retry the operation.
RPM-04873	The specified port does not exist in the secondary storage system. (port = *port*)	*Cause* The specified port does not exist in the secondary storage system. *Action* Specify a different port, and then retry the operation.
RPM-04874	The specified LUN is already being used by the host group. (storage system = *Storage System*, Port/Host Group/LUN = *Port/Host Group/LUN*)	*Cause* The specified LUN is already being used by the host group. *Action* Specify a different host group, and then retry the operation.
RPM-04875	The specified pool does not exist in the secondary storage system. (storage system = *Storage System*, pool ID = *pool ID*)	*Cause* The specified pool ID does not exist in the secondary storage system. *Action* Specify a different pool ID, and then retry the operation.
RPM-04876	The specified allocation target does not exist. (allocation target = *Allocation Target*)	*Cause* The specified allocation target does not exist.

Message ID	Message Text	Description
		Action Specify a different allocation target, and then retry the operation.
RPM-04877	The journal group setting has not been changed.	*Cause* The journal group setting has not been changed. *Action* Change the journal group setting value, and then retry the operation.
RPM-04878	LUN deletion cannot be performed because at least one of the volumes to be deleted is being used as a pair volume.	*Cause* LUN deletion cannot be performed because at least one of the volumes to be deleted is being used as a pair volume. *Action* Take appropriate action as follows: 1. Delete pairs that use the volume specified in the task. 2. From [Storage Systems], select the storage system, and then refresh the storage system information. 3. Re-execute the task.
RPM-04879	Execution of the function failed because the Device Manager version is out of date. (information source = *Information Source*, Device Manager version = *Device Manager version*)	*Cause* Execution of the function failed because the Device Manager version is out of date. *Action* Update Device Manager to the same version as Replication Manager.
RPM-04880	Whether the task was canceled could not be confirmed because a timeout occurred. Please confirm task list screen after waiting for a while and confirm to finish tasks.	*Cause* The task might take some time to complete if one of the following conditions is met: 1. A configuration change is currently executing. 2. A task related to a task that is being canceled is currently executing. 3. The configuration is a large-scale system configuration. *Action* Please confirm task list screen after waiting for a while and confirm to finish tasks.
RPM-04881	Editing of the path group ID was canceled because a pair	*Cause*

Message ID	Message Text	Description
	operation task for the specified copy group is currently executing. After that task finishes, retry the operation. (ID of the currently executing task = *Executing Task ID*)	Editing of the path group ID was canceled because a pair operation task for the specified copy group is currently executing. *Action* After the currently executing task finishes, retry the operation.
RPM-04882	[Delete Secondary Volumes] operation cannot be performed since the volume attribute of secondary volume is GUARD	*Cause* [Delete Secondary Volumes] operation cannot be performed since the volume attribute of secondary volume is GUARD *Action* Clear the target volume's GUARD attribute.
RPM-04883	The task could not be canceled because it has already finished.	*Cause* The task could not be canceled because it has already finished. *Action* In the Task List window, check the task status.
RPM-04884	No bidirectional CU-Free remote path exists with same Path Group ID between Primary to Secondary Storage and Secondary to Primary Storage.	*Cause* No bidirectional CU Free remote path that has a usable path group ID exists between the primary and secondary storage systems. *Action* Configure a CU Free remote path in each direction between the primary and secondary storage systems, and specify the same path group ID for each direction.
RPM-04885	No CU Free remote path that uses the configured path group ID exists between the primary and secondary storage systems. (Primary Storage System = *Primary Storage System*, Secondary Storage System = *Secondary Storage System*)	*Cause* The remote path that corresponds to the path group ID configured in the copy group has already been deleted. *Action* Either configure a CU Free remote path that corresponds to the specified path group ID, or change the path group ID of the copy group.
RPM-04886	Cancellation of the selected task is already in progress. Wait until the operation in progress is complete.	*Cause* Cancellation of the selected task is already in progress. Wait until the operation in progress is complete. *Action* No action is required.

Message ID	Message Text	Description
RPM-04887	The edit group operation cannot be performed for the Snapshot Group.	*Cause* The edit group operation for Snapshot Groups is not supported. *Action* No action is required.
RPM-04888	The add node operation cannot be performed for the Snapshot Group.	*Cause* The add node operation for Snapshot Groups in not supported. *Action* No action is required.
RPM-04889	The delete node operation cannot be performed for the Snapshot Group.	*Cause* The edit node operation for Snapshot Groups is not supported. *Action* No action is required.
RPM-04890	The edit pair name operation cannot be performed for the Snapshot Group.	*Cause* The edit copy pair operation for Snapshot Groups is not supported. *Action* No action is required.
RPM-04891	The specified Snapshot Group name is already being used in the storage system. (storage system = *Storage System*, snapshot group name = *SnapshotGroup Name*)	*Cause* The specified Snapshot Group name is already being used in the storage system. *Action* Specify a different Snapshot Group name and then retry the operation.
RPM-04892	A selected task contains both a Snapshot Group and a Copy Group.	*Cause* You cannot edit Snapshot Group tasks and Copy Group tasks at the same time. *Action* Edit the Snapshot Group tasks and Copy Group tasks separately.
RPM-04893	The pair management server for the Snapshot Group has not been specified in the specified storage system. (storage system = *Storage System*)	*Cause* [Pair Management Server for Snapshot Group] for the specified storage system is not specified. *Action* In the Storage Systems view, in the Storage System Name subwindow, specify [Pair Management Server for Snapshot Group], and then retry the operation.

Message ID	Message Text	Description
RPM-04894	The create alert operation cannot be performed for the Snapshot Group.	*Cause* [Create Alert] operation for Snapshot Groups is not supported. *Action* No action is required.
RPM-04895	A pair management server that recognizes the command device for the specified storage system does not exist.	*Cause* A pair management server that recognizes the command device for the specified storage system does not exist. *Action* Prepare a pair management server that recognizes the command device for the specified storage system, and then make Replication Manager recognize it.
RPM-04896	The selected Snapshot Group contains multiple copy pairs that have the same primary volume.	*Cause* A Snapshot Group that contains multiple copy pairs that have the same primary volume was selected. *Action* Check and, if necessary, revise the Snapshot Groups that contain multiple copy pairs with the same primary volume, and then retry the operation.
RPM-04897	The topology configuration of a selected storage group contains one or more Snapshot Groups.	*Cause* The topology configuration for storage systems that contain Snapshot Groups is not supported. *Action* No action is required.
RPM-04898	The topology configuration of a selected information store contains one or more Snapshot Groups.	*Cause* The topology configuration for information stores that contain Snapshot Groups is not supported. *Action* No action is required.
RPM-04899	The topology configuration of a selected SQL instance contains one or more Snapshot Groups.	*Cause* The topology configuration for SQL instances that contain Snapshot Groups is not supported. *Action* No action is required.
RPM-04900	No Pair Management server has been specified for the Snapshot	*Cause* [**Pair Management Server for Snapshot Group**] has not been set

Message ID	Message Text	Description
	Group, or the specified Pair Management server for the Snapshot Group has been deleted.	for the specified storage system, or the specified Pair Management server for the Snapshot Group has been deleted. *Action* In the Storage Systems view, in the Storage System Name subwindow, specify [**Pair Management Server for Snapshot Group**], and then retry the operation.
RPM-04901	You cannot use [Edit Snapshot Groups Setting] because the selected storage is managed only by BC Manager.	*Cause* [**Edit Snapshot Groups Setting**] cannot be used for storage managed only by BC Manager. *Action* No action is required.
RPM-04902	The length of the snapshot group name exceeds 32 bytes.	*Cause* The snapshot group name exceeds 32 bytes. *Action* Use no more than 32 bytes for the snapshot group name.
RPM-04903	The selected snapshot group name, or a snapshot group name included in the same topology, contains unsupported characters.	*Cause* The selected snapshot group name, or a snapshot group name included in the same topology, contains unsupported characters. *Action* Check and, if necessary, revise the snapshot groups so that no names contain unsupported characters, and then retry the operation.
RPM-04904	A selected copy group or copy pair includes different virtual storage machine volumes. (Volume =*volume ID*, Copy group = *copy group Name*).	*Cause* A selected copy group or copy pair includes different virtual storage machine volumes. *Action* For local copy type ensure that both primary and secondary volumes are belonging to same storage machines for a copy group. For remote copy type ensure that all primary volumes are belonging to same virtual storage machines and all secondary volumes are belonging to same virtual storage machines respectively for a virtual storage machine copy group.

Message ID	Message Text	Description
RPM-04905	A selected copy group or copy pair includes different virtual storage machine volumes.	*Cause* This operation is not supported for copy groups or copy pairs that include different virtual storage machine volumes. *Action* For local copy type ensure that both primary and secondary volumes are belonging to same storage machines for a copy group. For remote copy type ensure that all primary volumes are belonging to same virtual storage machines and all secondary volumes are belonging to same virtual storage machines respectively for a virtual storage machine copy group.
RPM-04906	The selected copy group topology includes different virtual storage machine volumes.	*Cause* This operation is not supported for copy group topology that include different virtual storage machine volumes. *Action* For local copy type ensure that both primary and secondary volumes are belonging to same storage machines for a copy group. For remote copy type ensure that all primary volumes are belonging to same virtual storage machines and all secondary volumes are belonging to same virtual storage machines respectively for a virtual storage machine copy group.
RPM-04907	Execution of the pair configuration task was canceled because, after the task was created, the virtual storage machine information of the storage system used for pair configuration was changed.	*Cause* Execution of the pair configuration task was canceled because, after the task was created, the virtual storage machine information of the storage system used for pair configuration was changed. *Action* Check the virtual storage machine information, and then re-create the task.
RPM-04908	After the task was created, the copy group configuration was changed. Task execution was canceled because a pair might be created in an unexpected copy direction.	*Cause* After the task was created, the copy group configuration was changed. Task execution was canceled because a pair might be created in an unexpected copy direction.

Message ID	Message Text	Description
		Action Revise the copy group configuration, and then create a new task from the Pair Configuration Wizard.
RPM-04909	Information of a pair volume in the copy group included in the selected storage group was detected in the volume on a virtual storage machine and volume on a storage system information.	*Cause* Information of a pair volume in the copy group included in the selected storage group was detected in the volume on a virtual storage machine and volume on a storage system information. The system determined that a storage system migration is in progress, and suppressed startup of the Pair Configuration Wizard. *Action* Perform either of the following: • Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. • Managed informations which volume on a virtual storage machine and volume on a storage system has been overlapped. Review the configuration.
RPM-04910	Information of a pair volume in the copy group included in the selected information store was detected in the volume on a virtual storage machine and volume on a storage system information.	*Cause* Information of a pair volume in the copy group included in the selected information store was detected in the volume on a virtual storage machine and volume on a storage system information. The system determined that a storage system migration is in progress, and suppressed startup of the Pair Configuration Wizard. *Action* Perform either of the following: • Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. • Managed informations which volume on a virtual storage machine and volume on a storage system has been overlapped. Review the configuration.
RPM-04911	Information of a pair volume in the copy group included in the	*Cause*

Message ID	Message Text	Description
	selected SQL instance was detected in the volume on a virtual storage machine and volume on a storage system information.	Information of a pair volume in the copy group included in the selected SQL instance was detected in the volume on a virtual storage machine and volume on a storage system information. The system determined that a storage system migration is in progress, and suppressed startup of the Pair Configuration Wizard. *Action* Perform either of the following: • Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager. • Managed informations which volume on a virtual storage machine and volume on a storage system has been overlapped. Review the configuration.
RPM-04913	No usable path group ID exists on the primary or secondary storage system.	*Cause* No usable path group ID exists for creating a remote path. *Action* Check the usable path group IDs, and then delete the remote paths that are not necessary.
RPM-04914	No valid Replication Manager license key is registered.	*Cause* A Replication Manager license must be registered to perform remote path operations. *Action* Register a Replication Manager license, and then try again.
RPM-04916	Access permission for the specified user is invalid.	*Cause* The specified user does not have the required access permission *Action* You must specify a user account which has the Admin permission for Device Manager and for which All Resources has been assigned as a resource group.
RPM-04917	The selected resource (*Storage System*) is being managed by two or more Device Manager.	*Cause* The selected resource is being managed by two or more Device Manager.

Message ID	Message Text	Description
		Action Remove the resource from the resources managed by remote Device Manager, refresh the configuration, and then try again.
RPM-04918	An operation was attempted for a resource that has already been deleted from the system.	*Cause* The specified resource has already been deleted from the system. *Action* Verify that the resource exists.
RPM-04919	Information about the selected resource (*Storage System*) is currently being obtained.	*Cause* Information about the selected resource is currently being obtained. *Action* Wait a while, and then try again.
RPM-04920	A copy product license required to use the function is not registered in the storage system. (Storage System = *Storage System*)	*Cause* A copy product license required to use the function is not registered in the storage system. *Action* Register the copy product license for the storage system, and then refresh the configuration. If the resource that is the target of the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-04921	This copy type does not support operations of copy groups defined by the device group.	*Cause* This copy type does not support operations of copy groups defined by the device group. *Action* No user action is required.
RPM-04922	Virtual attributes for the primary volumes of the selected copy pairs or copy groups are in the reserved status. (volume = *LUN*)	*Cause* Volumes whose virtual attributes are in the reserved status cannot be selected as primary volumes. *Action* Remove the reserved status from the virtual attributes of the volume or volumes, and then retry the operation.
RPM-04923	The selected copy pair contains a secondary volume whose virtual attribute is inconsistent with the copy type of the	*Cause* The virtual attributes of all secondary volumes in the copy pair must be consistent with the copy type of the selected copy group.

Message ID	Message Text	Description
	selected copy group. (volume = *LUN*)	*Action* Make sure the virtual attributes of all secondary volumes in the copy pair are consistent with the copy type of the selected copy group, and then retry the operation. If a copy type is not selected, make sure that all secondary volumes in the copy group have the same virtual attribute.
RPM-04924	Either the primary volume or the secondary volume must belong to the default virtual storage machine, because the virtual attribute of the secondary volume of the selected copy pair or copy group is in a reserved state.	*Cause* Either the primary volume or the secondary volume must belong to the default virtual storage machine, because the virtual attribute of the secondary volume of the selected copy pair or copy group is in a reserved state. *Action* Select volumes so that either primary or secondary volumes belong in the default virtual storage machine.
RPM-04925	All selected primary volumes must be on the same virtual storage machine.	*Cause* All selected primary volumes must be on the same virtual storage machine, because the virtual attribute of the secondary volume of the selected copy pair or copy group is in a reserved state, or because the selected copy type needs to use a consistent virtual storage machine. *Action* Ensure all the primary volumes belong to the same virtual storage machine, and retry the operation.
RPM-04926	All selected secondary volumes must be on the same virtual storage machine, because the virtual attribute of the secondary volume of the selected copy pair or copy group is in a reserved state.	*Cause* All selected secondary volumes must be on the same virtual storage machine, because the virtual attribute of the secondary volume of the selected copy pair or copy group is in a reserved state. *Action* Ensure all the secondary volumes belong to the same virtual storage machine, and retry the operation.
RPM-04927	The serial numbers and models of the virtual storage machines for all primary volumes and secondary volumes must be the same, because the virtual	*Cause* The serial numbers and models of the virtual storage machines for all primary volumes and secondary volumes must be the same, because the virtual attribute of the secondary

Message ID	Message Text	Description
	attribute of the secondary volume of the selected copy pair or copy group is in a reserved state.	volume of the selected copy pair or copy group is in a reserved state. *Action* Ensure all the primary volumes and secondary volumes have the same Serial No. and model for the virtual storage machine, and retry the operation.
RPM-04928	You must use a *Volume Attribute* volume for the copy pair.	*Cause* You must use Dynamic Provisioning volumes for the copy pair, because the virtual attribute of the secondary volume of the selected copy pair or copy group is in a reserved state, or because the selected copy type needs to use Dynamic Provisioning volumes. *Action* Ensure the selected copy pairs / copy group have Dynamic Provisioning volumes, and then retry the operation.
RPM-04929	No selectable Quorum Disk IDs exist.	*Cause* No selectable Quorum Disk IDs exist. *Action* Configure Quorum Disks for both the selected primary and secondary storage systems.
RPM-04933	The selection for the Reverse Direction option in the current cascade or multi-target configuration is incorrect	*Cause* If a cascade configuration group exists for the target group, the `Reverse Direction` option needs to be enabled. If a multi-target configuration group exists for the target group, the `Reverse Direction` option needs to be disabled. *Action* Revise the `Reverse Direction` option, and then retry the operation.
RPM-04934	You cannot delete the selected group because a cascaded group and/or multi-target group are connected to the selected group.	*Cause* For Delete Related Pairs, you cannot delete the target group because a cascaded group is connected to the target group. For a Change Pair Status Wizard task, you cannot delete the target group because both a cascaded group and a multi-target group are connected to the target group. *Action*

Message ID	Message Text	Description
		For Delete Related Pairs, delete the cascaded group, and then try again. For a Change Pair Status Wizard task, delete either the cascaded group or the multi-target group, and then try again.
RPM-04935	The selected volume cannot be used because it is a Quorum Disk. (volume = *LUN*)	*Cause* The select volume cannot be used because it is a Quorum Disk. *Action* Select a volume that is not being used as a Quorum Disk, and then retry the operation.
RPM-04936	Virtual attributes of the selected volume are in the reserved status. (volume = *LUN*)	*Cause* Volumes whose virtual attributes are in the reserved status cannot be selected. *Action* Remove the reserved status from the virtual attributes of the volumes, and then retry the operation.
RPM-04937	A virtual attribute of the primary volume of the selected group is in the reserved status.	*Cause* A virtual attribute of the primary volume of the selected group is in the reserved status. *Action* Remove the reserved status from the virtual attributes of the volumes, and then retry the operation.
RPM-04938	The selected copy group cannot be deleted because of the cascade or multi-target configuration for the copy type of the selected copy group.	*Cause* The selected copy group cannot be deleted because of the cascade or multi-target configuration for the copy type of the selected copy group. *Action* Also delete the cascade or multi-target groups.
RPM-04939	The specified configuration definition file cannot be selected because a copy group that conflicts with the virtual storage machine definition is already defined in this specified configuration definition file. (pair management server = *Pair Management Server*, instance number = *Instance Number*, storage system = *Storage System*)	*Cause* You cannot define copy groups for multiple storage systems that share a virtual storage machine in a single configuration definition file. *Action* Select a different pair management server or configuration definition file.

Message ID	Message Text	Description
RPM-04940	You cannot use the "Modify Pair Configuration File Only (Do not Create Pair)" option for the selected copy type if the group for the cascade configuration is defined.	*Cause* You cannot use the "Modify Pair Configuration File Only (Do not Create Pair)" option for the selected copy type if the cascaded copy group is defined. *Action* Remove the selected "Modify Pair Configuration File Only (Do not Create Pair)" option, and then retry the operation.
RPM-04941	You must set the "Execution Request Time" for the selected group to a time earlier than it is set in the group for the cascade or multi-target configuration.	*Cause* You must set the "Execution Request Time" for the selected group to a time earlier than it is set in the cascade or multi-target copy group. *Action* Set the "Execution Request Time" for the selected group to a time earlier than it is set in the cascade or multi-target copy group.
RPM-04942	You must set the "Execution Request Time" for the selected group to a time later than it is set in the group for the cascade or multi-target configuration.	*Cause* You must set the "Execution Request Time" for the selected group to a time later than it is set in the cascade or multi-target copy group. *Action* Set the "Execution Request Time" for the selected group to a time later than it is set in the cascade or multi-target copy group.
RPM-04943	The Replication Manager license has expired.	*Cause* The Replication Manager license has expired. *Action* Open a dialog for registering a license, and then enter a regular license key or a license key file.
RPM-04944	The task "*Task ID*" must be scheduled before the task "*Task ID*".	*Cause* You must schedule the task based on the execution order dependency between tasks because the specified task belongs to a cascade or multi-target configuration. *Action* Revise the scheduling for the task, and then retry the operation.

Message ID	Message Text	Description
RPM-04945	The task "*Task ID*" must be scheduled after the task "*Task ID*".	*Cause* You must schedule the task based on the execution order dependency between tasks because the specified task belongs to a cascade or multi-target configuration. *Action* Revise the scheduling for the task, and then retry the operation.
RPM-04948	The selected primary volume belongs to a virtual storage machine whose model does not support the copy type specified for the copy group.	*Cause* The selected primary volume belongs to a virtual storage machine whose model does not support the copy type specified for the copy group. *Action* For the primary volume, select a volume that belongs to a virtual machine whose model supports the copy type specified for the copy group.
RPM-04949	Replication Manager is refreshing the configuration information of the target copy group or failed to recognize the copy group.	*Cause* Replication Manager is refreshing the configuration information of the target copy group or failed to recognize the copy group. *Action* Wait for a while, and then try again. If the problem persists, check the configuration information of the target copy group in the Replication Manager window.
RPM-04950	All copy pairs in the specified copy group are already created, and new copy pairs cannot be created.	*Cause* All copy pairs in the specified copy group are already created. *Action* Check and, if necessary, revise the configuration information of the target copy group.
RPM-04951	The copy pair cannot be created, because reverse-direction copy pairs already exist in the specified copy group.	*Cause* Reverse-direction copy pairs already exist in the specified copy group. *Action* Check and, if necessary, revise the configuration information of the target copy group, and then try again.
RPM-04952	Failed to acquire the copy group information.	*Cause* The copy group might be deleted. *Action*

Message ID	Message Text	Description
		Refresh the configuration information. If the target resource is managed by Device Manager on a local host, refresh the storage system information in Device Manager.
RPM-04953	The pool operation has timed out.	*Cause* The request to the Device Manager server has timed out. *Action* Execution of the pool operation is in progress. Wait for a while, and then refresh the storage system information, and check the most recent information. If the pool status indicates that operation was not performed, remove the cause of error, and then retry the operation.
RPM-04954	The journal mirror status did not change to a status that indicates completion. (storage system = *Storage System*, journal ID = *Journal ID*, journal mirror status = *Journal Mirror Status*)	*Cause* The command was successfully executed, but the status of the journal mirror is that processing is in progress or is not complete, or acquisition of the journal mirror status failed. *Action* From the JNLG list, check the status of the specified journal mirror. If the journal mirror is not in the desired status, change the copy pair status. If n/a is displayed as the status of the journal mirror, acquisition of the journal mirror status might have failed. Verify that both the Device Manager agent and RAID Manager are running correctly, and then refresh JNLG.
RPM-04955	The specified snapshot group includes at least one pair that has no V-VOL.	*Cause* Operations on a snapshot group that has a pair with an unassigned V-VOL are not supported. *Action* Make sure that all V-VOLs in the snapshot group are assigned, and then refresh the storage system information. Then try again as necessary.
RPM-04959	The 3DC multi-target configuration was not made correctly.	*Cause* The 3DC multi-target configuration was not made correctly. *Action*

Message ID	Message Text	Description
		Add a remote copy pair to the 3DC multi-target configuration, or delete any unnecessary copy pairs.
RPM-04960	There are no selectable copy types because the secondary storage system does not support this configuration.	*Cause* There are no selectable copy types because the secondary storage system does not support this configuration. *Action* Select a storage system that supports the configuration and then try again.
RPM-04961	The asynchronous remote copy group already exists in the topology.	*Cause* The asynchronous remote copy group already exists in the topology. *Action* Delete the existing asynchronous remote copy group and then try again.
RPM-04962	A copy pair without a CTG ID cannot be used in a 3DC multi-target configuration.	*Cause* A copy pair without a CTG ID cannot be used in a 3DC multi-target configuration. *Action* Select a synchronous copy group that has a CTG ID, and then try again.
RPM-04963	The copy pair with different CTGIDs cannot be used for 3DC multi-target configuration.	*Cause* The copy pair with different CTGIDs cannot be used for 3DC multi-target configuration. *Action* Select synchronous copy group having same CTG ID and then try again.
RPM-04964	A copy pair that uses a virtual ID cannot be used in a 3DC multi-target configuration.	*Cause* A copy pair that uses a virtual ID cannot be used in a 3DC multi-target configuration. *Action* Select a copy group that does not use a virtual ID, and then try again
RPM-04965	The synchronous remote copy group contains at least one pair that does not have a secondary volume.	*Cause* The synchronous remote copy group contains at least one pair that does not have a secondary volume. *Action* Add a secondary volume to the synchronous remote copy pair, and then try again

Message ID	Message Text	Description
RPM-04966	The number of copy pairs in the copy groups are different.	*Cause* The number of copy pairs in the copy groups must be the same. *Action* Add or delete copy pairs so that the numbers of copy pairs are the same, and then try again
RPM-04967	Asynchronous remote copy pairs used for a 3DC Delta Resync must be created after you create the synchronous remote copy pairs that are in the same 3DC multi-target configuration.	*Cause* Asynchronous remote copy pairs used for a 3DC Delta Resync must be created after you create the synchronous remote copy pairs that are in the same 3DC multi-target configuration. *Action* Create the asynchronous remote copy pairs used for a 3DC Delta Resync after you create the synchronous remote copy pairs that are in the same 3DC multi-target configuration.
RPM-04968	Asynchronous remote copy pairs that are in a 3DC multi-target configuration must be created after you create the other remote copy pairs that are in the same 3DC multi-target configuration.	*Cause* Asynchronous remote copy pairs that are in a 3DC multi-target configuration must be created after you create the other remote copy pairs that are in the same 3DC multi-target configuration. *Action* Create the asynchronous remote copy pairs after you create the other remote copy pairs that are in the same 3DC multi-target configuration.
RPM-04969	Asynchronous remote copy pairs used for a 3DC Delta Resync must be deleted after you delete the asynchronous remote copy pairs that are in the same 3DC multi-target configuration.	*Cause* Asynchronous remote copy pairs used for a 3DC Delta Resync must be deleted after you delete the asynchronous remote copy pairs that are in the same 3DC multi-target configuration. *Action* Delete the asynchronous remote copy pairs used for a 3DC Delta Resync after you delete the other asynchronous remote copy pairs that are in the same 3DC multi-target configuration.
RPM-04970	Synchronous remote copy pairs that are in the 3DC multi-target configuration must be deleted after you delete the other	*Cause* Synchronous remote copy pairs that are in the 3DC multi-target configuration must be deleted after

Message ID	Message Text	Description
	remote copy pairs that are in the same 3DC multi-target configuration.	you delete the other remote copy pairs that are in the same 3DC multi-target configuration. *Action* Delete the asynchronous remote copy pairs that are in the same 3DC multi-target configuration, and then delete the synchronous remote copy pairs.
RPM-04971	If the option "Modify Pair Configuration File Only (Do not Create Pair)" is not set for the asynchronous remote copy pairs used for a asynchronous 3DC Delta Resync, this option cannot be selected for the selected copy group.	*Cause* If the option "Modify Pair Configuration File Only (Do not Create Pair)" is not set for the asynchronous remote copy pairs used for a asynchronous 3DC Delta Resync, this option cannot be selected for the selected copy group. *Action* Clear the option "Modify Pair Configuration File Only (Do not Create Pair)" and then try again.
RPM-04972	If the option "Modify Pair Configuration File Only (Do not Create Pair)" is set for synchronous remote copy pairs that are in a 3DC multi-target configuration, this option cannot be cleared for a selected copy group.	*Cause* If the option "Modify Pair Configuration File Only (Do not Create Pair)" is set for synchronous remote copy pairs that are in a 3DC multi-target configuration, this option cannot be cleared for a selected copy group. *Action* Select the option "Modify Pair Configuration File Only (Do not Create Pair)" and then try again.
RPM-04973	If the option "Modify Pair Configuration File Only (Do not Create Pair)" is not selected for asynchronous remote copy pairs that are in the 3DC multi-target configuration, this option cannot be selected for the selected copy group.	*Cause* If the option "Modify Pair Configuration File Only (Do not Create Pair)" is not selected for asynchronous remote copy pairs that are in the 3DC multi-target configuration, this option cannot be selected for the selected copy group. *Action* Clear the option "Modify Pair Configuration File Only (Do not Create Pair)" and then try again.
RPM-04974	If the option "Modify Pair Configuration File Only (Do not Create Pair)" is selected for the asynchronous remote copy pair used for a 3DC Delta Resync, this option cannot be cleared for a selected copy group.	*Cause* If the option "Modify Pair Configuration File Only (Do not Create Pair)" is selected for the asynchronous remote copy pair used for a 3DC Delta Resync, this option cannot be cleared for a selected copy group.

Message ID	Message Text	Description
		Action Select the option "Modify Pair Configuration File Only (Do not Create Pair)" and then try again.
RPM-04975	One or more pairs in the synchronous remote copy group are not in the paired state.	*Cause* One or more pairs in the synchronous remote copy group are not in the paired state. *Action* Change the synchronous remote copy pairs to paired state and then try again.
RPM-04976	One or more pairs in the asynchronous remote copy group are not in the simplex state.	*Cause* One or more pairs in the asynchronous remote copy group are not in the simplex state. *Action* Delete the asynchronous remote copy pairs and then try again.
RPM-04977	To create asynchronous remote copy pairs that are in the 3DC multi-target configuration, you must select the copy type of the synchronous remote copy pairs.	*Cause* To create asynchronous remote copy pairs that are in the 3DC multi-target configuration, you must select the copy type of the synchronous remote copy pairs. *Action* Select the copy type of synchronous remote copy pairs and then try again.
RPM-04978	The copy type for the asynchronous remote copy pairs that are in the 3DC multi-target configuration is not defined.	*Cause* The copy type for the asynchronous remote copy pairs that are in the 3DC multi-target configuration is not defined. *Action* Select the copy type for the asynchronous remote copy pairs and then try again.
RPM-04979	The snapshot group does not contain any pair that has V-VOLs.	*Cause* The snapshot group does not contain any pair that has V-VOLs. *Action* Assign V-VOLs to the pairs whose pair status you want to update in the snapshot group, and refresh the storage system information. then try again as necessary.
RPM-04980	The secondary storage system of the asynchronous remote	*Cause*

Message ID	Message Text	Description
	copy pair does not support this configuration.	The secondary storage system of the asynchronous remote copy pair does not support this configuration. *Action* Change the secondary storage system of either the asynchronous remote copy pair or the synchronous copy pair, and then try again.
RPM-04981	Asynchronous remote copy pairs included in a 3DC multi-target configuration do not support the creation of volumes.	*Cause* Asynchronous remote copy pairs included in a 3DC multi-target configuration do not support the creation of volumes. *Action* Do not create volumes in an asynchronous remote copy pair included in a 3DC multi-target configuration.
RPM-04982	To create an asynchronous remote copy pair in a 3DC multi-target configuration, a synchronous remote copy pair must be in the Pair status.	*Cause* To create an asynchronous remote copy pair in a 3DC multi-target configuration, a synchronous remote copy pair must be in the Pair status. *Action* Please create a synchronous remote copy pair in a 3DC multi-target configuration.
RPM-04983	To create an asynchronous remote copy pair in a 3DC multi-target configuration, the secondary storage systems specified for the synchronous remote copy pairs and asynchronous remote copy pairs must be different.	*Cause* To create an asynchronous remote copy pair in a 3DC multi-target configuration, the secondary storage systems specified for the synchronous remote copy pairs and asynchronous remote copy pairs must be different. *Action* To create an asynchronous remote copy pair in a 3DC multi-target configuration, the secondary storage systems specified for the synchronous remote copy pairs and asynchronous remote copy pairs must be different. Select the storage systems, and then try again.
RPM-04984	The copy pair status of an asynchronous remote copy pair used for a 3DC Delta Resync did not change to the one that indicates completion. (pair name = *Copy Pair Name*, primary copy pair status = *Primary Copy Pair Status*	*Cause* The command was successfully executed, but an asynchronous remote copy pair used for a 3DC Delta Resync is in the processing status or some status other than the complete status, or acquisition of the copy pair status failed.

Message ID	Message Text	Description
	secondary copy pair status = *Secondary Copy Pair Status*)	*Action* From the copy pair list, check the status of the specified copy pair. If the copy pair is not in the desired status, change the pair status again. If the status of the copy pair is Pair(PFUL), the used capacity of the journal volume or the pool volume has exceeded the threshold value. From the copy pair list, check the most recent status of the copy pair, and then perform one of the following steps to resolve the problem: 1. If the status of the copy pair is Pair(PAIR), release the LDEVs. To release the LDEVs, delete the workflow and tasks of the corresponding copy pair. 2. If the status of the copy pair is not Pair(PAIR), analyze the cause of the used capacity of the journal volume or the pool volume exceeding the threshold value, and resolve the problem. After doing so, if the copy pair is not in the desired status, change the pair status. The main cause might be one of the following: ∘ The used capacity of the journal volume or pool volume is insufficient. ∘ The load on the storage systems is too high when a task is executed. ∘ The load on the network is too high. If unknown is displayed for the status of the copy pair, acquisition of the copy pair status might have failed. Verify that both the Device Manager agent and RAID Manager are running correctly, and then refresh the pair status.
RPM-04985	A copy pair for which the volume attributes ("*Volume Attribute 1*" and "*Volume Attribute 2*") are not the same for the primary volume and secondary volume is included.	*Cause* A copy pair for which the volume attributes ("DP-VOL" and "UVM-VOL") are not the same for the primary volume and secondary volume is included. *Action*

Message ID	Message Text	Description
		When the copy type is global-active device, you must make sure the volume attributes ("DP-VOL" and "UVM-VOL") are the same for the primary volume and secondary volume. Check and, if necessary, revise the volume attributes of the primary volume and secondary volume of the copy pair, and then try again.
RPM-04986	You must use a volume for which the volume attribute is "*Volume Attribute*".	*Cause* You must use a volume for which the volume attribute is "DP-VOL". *Action* For the storage system being used, when the copy type is global-active device, you must use a volume for which the volume attribute is "DP-VOL". Check and, if necessary, revise the volume attribute of the volume, and then try again.
RPM-04987	The storage system "*Storage System*" and the port/host group "{*Port*|*Host Group*}" are already being used for a workflow.	*Cause* The host group for the storage system is already being used for another workflow. *Action* Perform either of the following actions: (1) Delete the workflow of Replication Manager related to the Allocate Volumes task that is using the host group name of the applicable host group. (2) Specify a host group name that is not being used by another host group on the same port.
RPM-04988	The storage system "*Storage System*" and the port/WWN or iSCSI initiator "{*Port*|*WWN or iSCSI initiator*}" are already being used for a workflow.	*Cause* The WWN or iSCSI initiator for the storage system is already being used for another workflow. *Action* Perform either of the following actions: (1) Delete the workflow of Replication Manager related to the Allocate Volumes task that is using the WWN or iSCSI initiator. (2) Specify a host group where the host (WWN or iSCSI initiator) is set or specify another port.

Message ID	Message Text	Description
RPM-04989	The storage system "*Storage System*" and the port/domain ID "{*Port*|*Domain ID*}" are already being used for a workflow.	*Cause* The domain ID for the storage system is already being used for another workflow. *Action* Perform either of the following actions: (1) Delete the workflow of Replication Manager related to the Allocate Volumes task that is using the applicable domain ID. (2) Specify a domain ID that is not used by another domain ID on the same port.
RPM-04990	To create an asynchronous remote copy pair in a 3DC multi-target configuration, a synchronous remote copy pair must be in Pair status or the secondary pair status of a synchronous remote copy pair must be split (SSWS). If the secondary pair status of a synchronous remote copy pair is split (SSWS), an asynchronous remote copy pair in the same 3DC multi-target configuration must be in Pair status.	*Cause* To create an asynchronous remote copy pair in a 3DC multi-target configuration, a synchronous remote copy pair must be in Pair status or the secondary pair status of a synchronous remote copy pair must be split (SSWS). If the secondary pair status of a synchronous remote copy pair is split (SSWS), an asynchronous remote copy pair in the same 3DC multi-target configuration must be in Pair status. *Action* From the copy pair list, check the status of the specified copy pair. If the copy pair is not in the desired status, change the pair status again.
RPM-04991	A site has already been registered with the site name. (site name = *site-name*)	*Cause* A site was added that has the same name as a site that has already been registered. *Action* Change the site name to a unique name, and then register the site again.
RPM-04992	No more sites can be registered because the number of registered sites has reached the maximum of 16.	*Cause* No more sites can be registered because the number of registered sites has reached the maximum of 16. *Action* Delete unnecessary sites and try again.
RPM-04993	No site with the specified name exists.	*Cause*

Message ID	Message Text	Description
		An attempt was made to perform an operation on a site that did not exist. *Action* Check whether another administrator deleted the site immediately before the operation was attempted. Redisplay the site list, and then verify the registered sites.
RPM-04994	The specified site cannot be deleted because storage systems have already been registered in the site (target site = *site-name*).	*Cause* The specified site cannot be deleted because storage systems have already been registered in the site. *Action* Move the storage systems to another site, and then try the site deletion operation again.
RPM-04995	No storage system with the specified name exists.	*Cause* An attempt was made to perform an operation on a storage system that did not exist. *Action* Check whether another administrator deleted the storage system immediately before you attempted the operation. Then, check and, if necessary, revise the storage system on which the operation will be performed, and then try again.
RPM-04996	Replication Manager failed to create an iSCSI remote path because port information could not be obtained.	*Cause* Replication Manager failed to obtain the port information needed to create an iSCSI remote path. *Action* Refresh the configuration. If the resource targeted by the operation is managed by the local Device Manager, refresh the storage system from Device Manager.
RPM-04997	The storage system "*Storage System*" and port/Host Group/LUN "{*Port*|*Host Group*|*LUN*}" are already being used for a workflow.	*Cause* The LUN for the storage system is already being used for another workflow. *Action* Perform either of the following actions: (1) Delete the workflow of Replication Manager related to the Create Pair task that is using the LUN.

Message ID	Message Text	Description
		(2) Remove the corresponding LUN from the pair operation target.
RPM-04998	The volume *LDEV* in the storage system *Storage System* is already being used in a workflow.	*Cause* The Volume is already in use in another workflow. *Action* Perform either of the following actions: (1) Delete the workflow of Replication Manager related to the Create Volumes task. (2) Remove the corresponding volume as a target of the pair operation.
RPM-04999	The specified topology includes a snapshot group that uses a pair in a cascade configuration or a pair with the clone attribute.	*Cause* Operations on a snapshot group that uses a pair in a cascade configuration or a pair with the clone attribute are not supported. *Action* Check and, if necessary, revise the copy topology on which the operation will be performed, and then try again.
RPM-05000	An attempt to connect to Replication Manager failed.	*Cause* An attempt to connect to Replication Manager failed. *Action* Verify the following: • The Hitachi Command Suite Common Component service has started. • The `base.rmi.enabled` property in the `base.properties` file is set to "`true`". • The port specified for the `base.rmi.port` property in the `base.properties` file is the same as the port specified for the rpmlib.rpm.port property in the rpmlib.properties file.
RPM-05001	A Replication Manager function call failed.	*Cause* A Replication Manager function call failed. *Action* Restart the Hitachi Command Suite Common Component service, and then try again.
RPM-05002	An unexpected communication error occurred during a	*Cause*

Message ID	Message Text	Description
	Replication Manager function call.	An unexpected communication error occurred during a Replication Manager function call. *Action* Try again.
RPM-05003	An unexpected error occurred during a Replication Manager function call.	*Cause* An unexpected error occurred during a Replication Manager function call. *Action* Try again.
RPM-05004	A parameter is invalid. (parameter = *Parameter*, value = *Value*)	*Cause* A parameter is invalid. *Action* Try again.
RPM-05005	An attempt to read a property file failed.	*Cause* An attempt to read a property file failed. *Action* Perform an overwrite installation of Hitachi Command Suite products.
RPM-05006	A site has already been registered with the site name. (site name = *site-name*)	*Cause* A site was added that has the same name as a site that has already been registered. *Action* Change the site name to a unique name, and then register the site again.
RPM-05007	No more sites can be registered because the number of registered sites has reached the maximum of 16.	*Cause* No more sites can be registered because the number of registered sites has reached the maximum of 16. *Action* Delete unnecessary sites and try again.
RPM-05008	No site with the specified name exists.	*Cause* An attempt was made to perform an operation on a site that did not exist. *Action* Check whether another administrator deleted the site immediately before the operation was attempted. Redisplay the site list, and then verify the registered sites.

Message ID	Message Text	Description
RPM-05009	The specified site cannot be deleted because storage systems have already been registered in the site (target site = *site-name*).	*Cause* The specified site cannot be deleted because storage systems have already been registered in the site. *Action* Move the storage systems to another site, and then try the site deletion operation again.
RPM-05010	No storage system with the specified name exists.	*Cause* An attempt was made to perform an operation on a storage system that did not exist. *Action* Check whether another administrator deleted the storage system immediately before the operation was attempted.
RPM-05011	The configuration you are attempting to perform an operation on is not supported.	*Cause* An attempt was made to perform an operation on an unsupported configuration. *Action* Check the configuration on which you want to perform the operation.
RPM-05013	The asynchronous remote copy group for the 3DC Delta Resync configuration could not be created, because one of the storage systems does not support 3DC Delta Resync configurations.	*Cause* The asynchronous remote copy group for the 3DC Delta Resync configuration could not be created, because one of the storage systems does not support 3DC Delta Resync configurations. *Action* Make sure the copy group configuration and storage systems are correct.
RPM-05200	A copy pair for which the volume attributes ("Data Direct Mapping") are not the same for the primary and secondary volumes is included.	*Cause* A copy pair for which the volume attributes ("Data Direct Mapping") are not the same for the primary and secondary volumes is included. *Action* If the copy type is global-active device, make sure that the volume attributes ("Data Direct Mapping") are the same for the primary and secondary volumes. Check and, if necessary, revise the volume attributes of the primary and

Message ID	Message Text	Description
		secondary volumes of the copy pair, and then try again.
RPM-05201	The iSCSI name of the host cannot be registered in the host group. (port = *port*, host group = *host group*, iSCSI name = *iSCSI name*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the configuration of the storage system. Part of the requested processing might have succeeded. If any of the following resources were created, delete them and then try again: • Host groups or iSCSI targets • WWNs registered in host groups, or iSCSI names registered in iSCSI targets • Paths of volumes assigned in host groups or iSCSI targets • Volumes
RPM-05202	The WWN of the host cannot be registered in the iSCSI target. (port = *port*, iSCSI target = *iSCSI target*, WWN = *WWN*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the configuration of the storage system. Part of the requested processing might have succeeded. If any of the following resources were created, delete them and then try again: • Host groups or iSCSI targets • WWNs registered in host groups, or iSCSI names registered in iSCSI targets • Paths of volumes assigned in host groups or iSCSI targets • Volumes
RPM-05203	The specified WWN cannot be registered in the specified host group because the specified WWN is already registered in another host group. (WWN = *WWN*, port = *port*, specified host group = *host group*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the configuration of the storage system. Part of the requested processing might have succeeded. If any of the following resources were created, delete them and then try again: • Host groups or iSCSI targets

Message ID	Message Text	Description
		• WWNs registered in host groups, or iSCSI names registered in iSCSI targets • Paths of volumes assigned in host groups or iSCSI targets • Volumes
RPM-05204	The WWN of the specified host is already registered in a host group. (WWN = *WWN*, port = *port*, host group = *host group*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the configuration of the storage system. Part of the requested processing might have succeeded. If any of the following resources were created, delete them and then try again: • Host groups or iSCSI targets • WWNs registered in host groups, or iSCSI names registered in iSCSI targets • Paths of volumes assigned in host groups or iSCSI targets • Volumes
RPM-05205	The iSCSI name of the specified host is already registered in an iSCSI target. (iSCSI name = *iSCSI name*, port = *port*, iSCSI target = *iSCSI target*)	*Cause* The storage system configuration was changed after the task was created. *Action* Revise the configuration of the storage system. Part of the requested processing might have succeeded. If any of the following resources were created, delete them and then try again: • Host groups or iSCSI targets • WWNs registered in host groups, or iSCSI names registered in iSCSI targets • Paths of volumes assigned in host groups or iSCSI targets • Volumes

RPM-10000 - RPM-19999

The following table describes messages RPM-10000 to RPM-19999, which are related to Replication Manager Application Agent.

Table 2-46 RPM-10000 - RPM-19999 (messages output by Replication Manager Application Agent)

Message ID	Message Text	Description
RPM-10003	Replication Manager Application Agent processing has failed.	*Cause* Replication Manager Application Agent processing failed. *Action* Take action according to the message that was output at the same time as this message.
RPM-10004	Memory is insufficient.	*Cause* There is not enough memory. *Action* Confirm that the host (on which Replication Manager Application Agent is installed) meets the system requirements.
RPM-10005	An error that stops processing occurred. Cause = *Factor* Code = *Code*	*Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue. *Action* Confirm that Replication Manager Application Agent is correctly installed. If the problem persists, obtain maintenance information, and then contact the Support Center.
RPM-10006	An error that stopped processing occurred. Cause = *Factor*	*Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue. *Action* Confirm that Replication Manager Application Agent is correctly installed. If the problem persists, obtain maintenance information, and then contact the Support Center.
RPM-10007	An error that stopped processing occurred. Code = *Code*	*Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue. *Action* Confirm that Replication Manager Application Agent is properly installed. If the problem persists, obtain

Message ID	Message Text	Description
		maintenance information, and then contact the Support Center.
RPM-10008	An error that stopped processing occurred. Cause = *Factor* Cause = *Factor*	*Cause* An error occurred while a Replication Manager Application Agent command was being executed. Processing cannot continue. *Action* Confirm that Replication Manager Application Agent is properly installed. If the problem persists, obtain maintenance information, and then contact the Support Center.
RPM-10009	The information between the Replication Manager server and Replication Manager Application Agent does not match.	*Cause* The installer was not used to install Replication Manager Application Agent. *Action* Confirm that the installer is used to properly install Replication Manager Application Agent.
RPM-10011	Replica information could not be obtained.	*Cause* Replica information cannot be obtained for one of the following reasons: 1. The replica contains invalid data. 2. The replica is corrupted. 3. The replica does not exist. *Action* Update the host information, and then re-specify the replica. If the specification of the replica is correct, contact the Support Center.
RPM-10012	An invalid option was specified.	*Cause* An invalid option was specified. *Action* Confirm that Replication Manager Application Agent is properly installed.
RPM-10013	The file used by Replication Manager Application Agent does not exist.	*Cause* A file used by Replication Manager Application Agent does not exist. *Action* Contact the Support Center.
RPM-10014	The specified mount point directory does not exist.	*Cause* The specified mount point directory does not exist. *Action*

Message ID	Message Text	Description
		Confirm that the specified mount point directory is correct, and then retry the operation.
RPM-10015	Unable to acquire replica information.	*Cause* Unable to acquire replica information. *Action* Update the host information, and then re-specify the replica. If the specification of the replica is correct, contact the Support Center.
RPM-10016	The file used by Replication Manager Application Agent does not exist.	*Cause* Possible causes for this are as follows: 1. The specified file (or directory) does not exist. 2. The specified file (or directory) was not specified with an absolute path. *Action* Confirm that the specified file exists, and then retry the operation. If the specified file is valid, or if no file was specified, contact the Support Center.
RPM-10017	The file used by Replication Manager Application Agent does not exist.	*Cause* A file used by Replication Manager Application Agent does not exist. *Action* Contact the Support Center.
RPM-10018	The specified copy group does not exist.	*Cause* The specified copy group does not exist. *Action* Update the configuration, obtain the most recent copy group information, and then retry the operation.
RPM-10021	You do not have permission to execute the operation.	*Cause* You do not have permission to execute the operation. *Action* Confirm that you are using the administrator permission to run Replication Manager Application Agent, and then retry the operation.
RPM-10022	The mount point environment is illegal.	*Cause* Possible causes for this are as follows:

Message ID	Message Text	Description
		1. The specified file does not exist in the mount point directory. 2. The specified file (or directory) was not specified with an absolute path. *Action* Check the specified directory name. If it is not correct, specify the correct directory name. If the directory name specification is correct, contact the Support Center.
RPM-10024	The specified replica information does not exist.	*Cause* Because no replica has been executed before, the corresponding information might not exist. *Action* Create a replica, and then retry the operation.
RPM-10025	The specified replica information does not exist.	*Cause* The replica does not exist. *Action* Confirm that the specified replica is correct, and then retry the operation. If the replica specification is correct, contact the Support Center.
RPM-10027	The operation was not executed because another operation was already executing.	*Cause* The operation was not executed because another operation was in progress. The executed operation timed out. *Action* Wait until the operation in progress is complete, and then retry the operation.
RPM-10028	Information between the Replication Manager server and Replication Manager Application Agent does not match.	*Cause* The information between the Replication Manager server and Replication Manager Application Agent does not match. *Action* Set up Application Agent, and then update the host information. If this does not resolve the problem, contact the Support Center.
RPM-10029	The installation-path information could not be obtained.	*Cause* Installation-path information that was automatically specified during product installation cannot be obtained.

Message ID	Message Text	Description
		Action Re-install the product.
RPM-10030	An invalid value was specified.	*Cause* An invalid value was specified. *Action* Specify a valid value.
RPM-10031	The specified mount point is already in use.	*Cause* The specified mount point is being used by another volume. *Action* Unmount the mounted file system, and then retry the operation.
RPM-10032	An invalid mount point directory was specified.	*Cause* A mount point (or drive) that does not exist was specified, or the directory to be mounted is not empty. *Action* Specify an existing empty directory to be mounted.
RPM-10033	Replica information between the Replication Manager server and Replication Manager Application Agent does not match.	*Cause* The replica information between the Replication Manager server and Replication Manager Application Agent does not match. *Action* Update the host information. If the problem persists, contact the Support Center.
RPM-10035	An attempt to update the information failed.	*Cause* Registration of the initialization information failed. *Action* Increase the capacity of the drive on which the installation directory resides, and then retry the operation.
RPM-10036	The specified replica information is invalid.	*Cause* The specified replica does not exist. *Action* Specify a valid replica, recreate the task, and then retry the operation.
RPM-10037	The specified character string exceeds the maximum number of characters allowed. Character string = *Character string*	*Cause* The specified character string exceeds the maximum character-string length. *Action*

Message ID	Message Text	Description
		Specify a shorter character string, and then retry the operation.
RPM-10038	The content of the file used by Replication Manager Application Agent is invalid.	*Cause* The contents of a file used by Replication Manager Application Agent are invalid. *Action* Contact the Support Center.
RPM-10039	The file used by Replication Manager Application Agent does not exist.	*Cause* Application Agent might not be properly configured, or updating of the host information might have failed. *Action* Confirm that Application Agent is properly configured. If it is not, make sure that you properly configure it. If it is correctly configured, update the host information.
RPM-10042	An error occurred during cluster operation. Cause = *Factor*	*Cause* An error was detected while the cluster was processing. *Action* See the appropriate manual for the installed cluster, and then troubleshoot the cluster error.
RPM-10044	A resynchronize restore could not be performed for the mount point directory because the specified mount point was being managed by the cluster.	*Cause* An attempt was made to perform a resynchronization restore for the mount point managed by the cluster. *Action* Perform a file-copy restore.
RPM-10047	The operation cannot be performed under this configuration.	*Cause* Most likely both of the following conditions exist: 1. The copy group to be backed up contains both files that are to be backed up and not backed up. 2. The primary or secondary volume has been separated. *Action* Check the copy group specification, and then change the backup option.
RPM-10048	Characters that cannot be handled with this program have been found.	*Cause* There are Unicode-specific characters. *Action*

Message ID	Message Text	Description
		Change the Unicode-specific characters, and then retry the operation.
RPM-10049	Invalid setting for the specified replica.	*Cause* The specified backup cannot be performed. *Action* Reattempt to perform a backup. If the error persists, contact the Support Center.
RPM-10050	The file used by Replication Manager Application Agent cannot be read.	*Cause* An attempt to read the target definition file failed. *Action* Confirm that the target definition file can be opened, and then retry the operation.
RPM-10051	An attempt to execute restore by drive resynchronization failed because a copy group subject to restore includes an object that is not subject to restore.	*Cause* A resynchronization restore failed because the storage group specification (Exchange Server) is invalid. *Action* Change the storage group specification, and then attempt the restoration. If the error persists, contact the Support Center.
RPM-10052	The cold replica cannot be performed because the cluster resource is not online.	*Cause* Because the cluster is not ONLINE, a cold backup cannot be performed. *Action* Put the cluster online, and then retry.
RPM-10053	The system could not restore the target data because the cluster resource is neither online nor offline.	*Cause* The cluster resource is neither online nor offline. *Action* Check the cluster status, and then retry the operation.
RPM-10054	An attempt to mount the directory failed. Mount point = *Mount point*	*Cause* An attempt to mount the directory failed. *Action* Confirm that the mount point directory exists. If it exists, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center.

Message ID	Message Text	Description
RPM-10055	An attempt to unmount the directory failed. Mount point = *Mount point*	*Cause* An attempt to unmount the directory failed. *Action* Confirm that the drive to be unmounted is not in use. In addition, an unmount will fail if the working directory for the command exists on the drive to be unmounted. If neither of the above conditions apply, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center.
RPM-10056	An attempt to create the directory failed. Directory name = *Directory name*	*Cause* An attempt to create the directory failed. *Action* Check the path specified for the directory to be created. If the specified path is correct, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center.
RPM-10057	An attempt to delete the directory failed. Directory name = *Directory name*	*Cause* An attempt to remove the directory failed. *Action* Check the specified path for the directory to be removed. If the specified path is correct, check the system log and confirm that there are no problems with the OS. If the problem persists, contact the Support Center.
RPM-10072	The file used by Replication Manager Application Agent cannot be found.	*Cause* A file used by Replication Manager Application Agent is missing. *Action* Update the host information.
RPM-10073	The data associated with the specified conditions does not exist.	*Cause* Data that satisfies the specified conditions does not exist. *Action* Change the specified conditions, and then retry the operation.
RPM-10074	An attempt to obtain a mount point has failed.	*Cause* The mount point information is invalid.

Message ID	Message Text	Description
		Action Retry the mount operation.
RPM-10075	There is an invalid character in the specified replica label.	*Cause* The comment specified for the backup contains invalid characters. *Action* Remove the invalid characters, and then reattempt the backup.
RPM-10080	Replica/resync cannot be performed because a copy group for which a pair was not generated was used.	*Cause* An attempt was made to back up and resynchronize a copy group. The pair status of the copy group was simplex when the host information was being updated. *Action* Create a pair for the target copy group, and then update the host information.
RPM-10081	The pair status is changed to the simplex.	*Cause* An attempt was made to back up and resynchronize a copy group whose pair status is simplex. *Action* Change the pair status, and then retry the operation. If the error persists, contact the Support Center.
RPM-10082	You cannot use this replica history information for restore.	*Cause* The replica history information is invalid. *Action* Reattempt the restoration. If the error persists, contact the Support Center.
RPM-10087	This operation cannot be performed because the specified replica information is already being used by another operation.	*Cause* The specified backup cannot be performed because it interferes with another ongoing operation. *Action* Confirm that the target backup to be performed does not conflict with any ongoing operations, and then retry the operation.
RPM-10088	The specified target generation name is invalid.	*Cause* The target generation specified for the backup is invalid. *Action*

Message ID	Message Text	Description
		Change the specified target generation, and then retry the backup operation.
RPM-10089	A timeout occurred. Retry count parameter name = retry-count-parameter-value-(times) Retry wait time parameter name = retry-wait-time-parameter-value-(seconds)	*Cause* The target did not change to the expected state within the specified time. *Action* See the error message that follows this message.
RPM-10091	The installation environment is invalid.	*Cause* The installation environment is invalid. *Action* Re-install the product.
RPM-10092	An attempt to acquire product information has failed.	*Cause* The version file contains invalid information. *Action* Re-install the product.
RPM-10093	An error occurred while reading the patch history information.	*Cause* An error was detected while obtaining patch history information. *Action* Check the system log and confirm that there are no problems with the OS. If this does not resolve the problem, collect the necessary information, and then contact the Support Center.
RPM-10104	The mount point environment is illegal.	*Cause* The specified files for the mount point directory do not exist in the predefined directory. *Action* Create the specified files for the mount point directory in the predefined directory.
RPM-10105	The specified mount point directory does not exist on the RAID device. Mount point directory = *Mount point*	*Cause* The specified mount point does not exist on the RAID device. *Action* Confirm that the mount point directory with the specified name is connected to a disk on the RAID device. Confirm that the mount point directory name is correct. If it is not correct,

Message ID	Message Text	Description
		specify the correct mount point directory name, and then retry the command.
RPM-10214	The processing of the Agent User Script cannot start.	*Cause* An attempt to execute the command defined in the command definition section of the user script failed. *Action* From the user script, specify the operation that can be performed, and then reattempt the backup.
RPM-10215	An error occurred during processing of Agent User Script.	*Cause* An error occurred after a user script command was executed. *Action* Check the running status of the operation specified in the user script, and then reattempt the backup.
RPM-10221	The contents of the Agent User Script are invalid.	*Cause* Check the running status of the operation specified in the user script, and then reattempt the backup. *Action* Check the contents of the user script file, resolve the cause of the error, and then retry the command.
RPM-10222	The Agent User Script file name specified is invalid.	*Cause* The name of the user script file specified for the backup is invalid. *Action* Confirm that the file specified for the backup exists, and that the file is correctly specified. If the name is not correct, specify the correct file name, and then reattempt the backup.
RPM-10223	An attempt to read the Agent User Script file has failed.	*Cause* An error occurred while trying to read a specified user script file. *Action* Confirm that you have permission to read the specified file, and that the file is not being used by another application. Next, confirm that the script file can be opened, and then reattempt the backup.
RPM-10225	The processing will end because the value of the Agent User Script is invalid.	*Cause*

Message ID	Message Text	Description
		One of the following events occurred while executing commands in the user script: 1. The operation fails. 2. The operation times out. *Action* Check the running status of the operation specified in the user script, and then reattempt the backup.
RPM-10226	Replication Manager Application Agent Environment setting failed	*Cause* An attempt to configure an environment variable specified in the user script failed. *Action* Check the environment variable setting specified in the user script. If the setting is invalid, specify a valid setting, and then retry the operation.
RPM-10227	An attempt to hide a physical volume failed. Copy group name = *Copy group name*	*Cause* Failed to hide the physical volume. *Action* From the CCI log, identify the reason that the physical volume was not hidden. If necessary, see the appropriate CCI manual to take action according to the identified reason. Then, retry the operation.
RPM-10228	An attempt to reveal a physical volume failed. Copy group name = *Copy group name*	*Cause* Failed to make the physical volume visible. *Action* From the CCI log, identify the reason that the physical volume was not made visible. If necessary, see the appropriate CCI manual to take action according to the identified reason. Then, retry the operation.
RPM-10229	The specified copy group name is invalid. Copy group name = *Copy group name*	*Cause* The specified copy group is invalid. *Action* Specify the correct copy group, and then retry the operation.
RPM-10230	An attempt to start a CCI / RAID Manager instance failed. Instance number = *Instance name*	*Cause* An attempt to activate the CCI daemon failed. *Action*

Message ID	Message Text	Description
		Change the configuration of the RAID management software. If no problem is found, check the RAID management software log and confirm that there is no problem. If the problem cannot be determined, contact the Support Center.
RPM-10231	Failed to re-recognize the physical volume.	*Cause* Failed to re-recognize the physical volume. *Action* Check the CCI log to find the reason that the physical volume was not re-recognized, and then retry the operation. If the problem persists, contact the Support Center.
RPM-10237	No copy group corresponds to the specified replica.	*Cause* The copy group stored in the backup catalog for the specified backup ID does not exist. *Action* To check the operating environment of Replication Manager Application Agent, perform the following steps in the order listed: 1. View the Replica History window and check the target copy group. 2. Confirm that the instance number listed in the definition file for Replication Manager Application Agent is valid. 3. Confirm that the copy group definition in the CCI configuration definition file (`horcm`*n*`.conf`) is valid.
RPM-10238	An attempt to write to the file used by Replication Manager Application Agent has failed.	*Cause* The possible causes are as follows: 1. The specified system environment variable `VSHTCRMENVF` is invalid. 2. The file cannot be written to. *Action* Confirm that the following are true for the output file path: 1. The system environment variable `VSHTCRMENVF` has been specified with a valid value according to the manual. 2. The file can be written to.

Message ID	Message Text	Description
RPM-10239	Replication Manager Application Agent environment is illegal.	*Cause* The Replication Manager Application Agent environment is invalid. *Action* Set up Application Agent, and then update the host information, and then re-execute the operation.
RPM-10240	An attempt to make the folder has failed.	*Cause* An attempt to make a folder failed. Possible causes for this are as follows: 1. No path exists to the specified folder. 2. Access permission for the folder does not allow information to be written to it. *Action* Perform one of the following as necessary: 1. If there is no path to the folder, make the path. 2. If the access permission for the folder does not allow information to be written to it, change the access permission to enable information to be written to the folder.
RPM-10241	The file used by Replication Manager Application Agent could not be deleted.	*Cause* An attempt to delete a file used by Replication Manager Application Agent failed. The possible cause is as follows: The access permission for the file might be read-only. *Action* If the access permission for the file used by Replication Manager Application Agent is specified as read-only, disable the read-only attribute, and then delete the file.
RPM-10242	The file used by Replication Manager Application Agent could not be opened.	*Cause* The file used by Replication Manager Application Agent cannot be opened. The possible cause is as follows: The access permission for the file might not allow the file to be read. *Action*

Message ID	Message Text	Description
		If the access permission for the file does not allow the file to be read, change the file access permission so that the file can be opened.
RPM-10243	Replication Manager Application Agent environment is illegal.	*Cause* The Replication Manager Application Agent environment is invalid. *Action* Check the system log and confirm that there are no problems with the OS.
RPM-10258	An error occurred during communication with the Replication Manager Application Agent service.	*Cause* An error occurred while communicating with a Replication Manager Application Agent service. *Action* Confirm the following: 1. The Replication Manager Application Agent service is running. 2. There is no problem with the network. If there is a problem with the network, check the trace log details used to record detailed information about communication errors. 3. The execution times of live migrations and Replication Manager Application Agent functions do not overlap. Confirm that a live migration is not being performed with the information output by the virtualization software.
RPM-10259	An attempt to connect to the Replication Manager Application Agent service failed.	*Cause* An attempt to connect to a Replication Manager Application Agent service failed. *Action* Confirm the following: 1. The Replication Manager Application Agent service is running. 2. The port number settings between the source host and the destination host match. 3. The Replication Manager Application Agent versions between the source host and the destination host match.

Message ID	Message Text	Description
RPM-10260	An attempt to check files on the backup server has failed.	*Cause* A communication error caused the file check on the backup server to fail. *Action* See the error message that precedes this message.
RPM-10261	Agent User Script file does not exist.	*Cause* There is no Replication Manager Application Agent user script file. *Action* Specify a user script file that exists.
RPM-10262	You do not have permission to access Agent User Script file.	*Cause* One of the following is the cause of the problem: 1. You do not have the permissions to access the file. 2. The device is not ready. 3. The file is a character file. *Action* You must have permission to execute the user script file for Replication Manager Application Agent.
RPM-10264	Processing of the Agent User Script on the backup server has failed.	*Cause* The backup server has failed to process the user script for Replication Manager Application Agent. *Action* See the error message that precedes this message.
RPM-10266	An attempt to start the Replication Manager Application Agent service has failed.	*Cause* An attempt to start the Replication Manager Application Agent service has failed. *Action* For information on what caused the error and how to handle it, see the message that immediately precedes this message.
RPM-10268	The IP address cannot be acquired. Host name = *Host name*	*Cause* The IP address of the target host cannot be acquired. *Action* Confirm that the host name is correct, that the target host is running, and that there are no problems with the network configuration.

Message ID	Message Text	Description
RPM-10269	The Replication Manager Application Agent service at the connection destination has stopped.	*Cause* The Replication Manager Application Agent service stopped in the middle of communication. *Action* Perform operations after the Replication Manager Application Agent service has started.
RPM-10271	The version of Replication Manager Application Agent is invalid.	*Cause* The Replication Manager Application Agent version on the target host is invalid. *Action* Check the View Application Agent Settings window and confirm that the component versions match.
RPM-10272	An error occurred in the Replication Manager Application Agent service.	*Cause* An error occurred on the target host. *Action* For information on what caused the error and how to handle it, see the message that follows this message.
RPM-10277	The Agent User Script file name is invalid.	*Cause* An error was detected by the file-name check in `CMDLINE` in the user script file for Replication Manager Application Agent. *Action* Check whether the path (or file) name specified in `CMDLINE` in the user script file for Replication Manager Application Agent contains any spaces. If it contains spaces, confirm that the path (or file) name is enclosed by double quotation marks ("). Likewise, confirm that the quotation marks (") are not specified as nested elements.
RPM-10278	Multiple operations cannot be performed simultaneously.	*Cause* An operation that conflicts with one of the following ongoing operations was attempted: 1. User script `PRE_PROC` processing and script execution on the local server 2. User script `RESYNC_PROC` processing 3. User script `SPLIT_PROC` processing

Message ID	Message Text	Description
		4. User script `FINISH_PROC` processing *Action* Do not perform another operation if any of the above operations are in progress.
RPM-10279	The local host is specified for the connection destination of the Replication Manager Application Agent service.	*Cause* The Replication Manager Application Agent service was set to connect to the local host. *Action* Do not set the Replication Manager Application Agent service to connect to the local host.
RPM-10280	The port number of the following protocol is already in use: Protocol = *Protocol name* Port number = *Port number*	*Cause* The port number for this protocol is already in use. *Action* Confirm that the port number for the displayed protocol is not being used by another process.
RPM-10281	Administrator privileges are required for this execution environment.	*Cause* Replication Manager Application Agent is not being run with administrator permissions. *Action* Run Replication Manager Application Agent with administrator permissions.
RPM-10282	A transaction log error was detected during verification processing. Base name = *base-name*	*Cause* This message is output when a transaction log error is detected during verification. *Action* -
RPM-10323	An attempt to open the cluster has failed.	*Cause* An attempt to open the cluster failed. *Action* Check the Windows event log, and then resolve the cause of the error.
RPM-10324	The cluster resource could not be placed online. Resource name = *Cluster resource name* Code = *Error code*	*Cause* The cluster resource could not be placed online. *Action* Check the Windows event log, and the OS error code that is displayed in the

Message ID	Message Text	Description
		message, and then resolve the cause of the error.
RPM-10325	The cluster resource could not be placed offline. Resource name = *Cluster resource name* Code = *Error code*	*Cause* The cluster resource could not be placed offline. *Action* Check the Windows event log, and the OS error code that is displayed in the message, and then resolve the cause of the error.
RPM-10326	An attempt to acquire information on the cluster has failed.	*Cause* An attempt to acquire cluster information has failed. *Action* Check the Windows event log, and then resolve the cause of the error.
RPM-10418	Backup information from the specified file was imported into the backup catalog. Imported backup ID = *Imported backup ID*	*Cause* The backup ID has been imported normally. *Action* No user action is required.
RPM-10419	The specified replica history cannot be exported.	*Cause* An attempt was made to export the replica history before the backup data was backed up to tape. *Action* If you select the **Export a replica catalog file on the backup server for tape backup** check box when creating a replica, specify that tape backup be performed as a post job.
RPM-10425	The specified replica information is unavailable for mounting the volumes.	*Cause* The specified replica is the backup of a RAW device. *Action* The specified replica cannot be mounted. Continue without mounting the replica.
RPM-10426	You cannot execute this operation because the number of available drive letters is insufficient.	*Cause* There are not enough drive letters. *Action* Set aside more drive letters than there are volumes, and then retry the command. Or, mount a secondary volume in the mount point directory.

Message ID	Message Text	Description
RPM-10434	The file used by Replication Manager Application Agent could not be opened.	*Cause* Possible causes for this are as follows: 1. You do not have permission to access the file used by Replication Manager Application Agent. 2. A directory exists that has the same name as the file used by Replication Manager Application Agent. *Action* Change your permission to access the file used by Replication Manager Application Agent, or delete the directory, and then retry the operation. Confirm that you have permission to access the temporary file directory. The temporary file directory is located in the following location: Windows *replication-manager-application-agent-installation-directory*\tmp
RPM-10435	The file used by Replication Manager Application Agent could not be read.	*Cause* A file used by Replication Manager Application Agent cannot be read. An attempt to read the mount point failed. *Action* Unmount the mount point. Next, mount the mount point, if necessary, and then retry the operation.
RPM-10438	An attempt to lock or unlock the copy group corresponding to the specified replica has failed.	*Cause* An attempt to lock or unlock the copy group corresponding to the specified replica failed. *Action* Contact the Support Center.
RPM-10444	The file used by Replication Manager Application Agent could not be opened.	*Cause* The file used by Replication Manager Application Agent could not be opened. *Action* Contact the Support Center.
RPM-10445	The file used by Replication Manager Application Agent could not be read.	*Cause* The file used by Replication Manager Application Agent could not be read. *Action* Contact the Support Center.

Message ID	Message Text	Description
RPM-10446	An attempt to write in the file used by Replication Manager Application Agent has failed.	*Cause* An attempt to write to a file used by Replication Manager Application Agent failed. *Action* Contact the Support Center.
RPM-10447	An attempt to acquire logical volume configuration from the target copy group has failed. Copy group name = *Copy group*	*Cause* An attempt to acquire the logical volume information from the secondary volume of the target copy group failed. *Action* If the target is a copy group for basic drives, a logical volume might not have been created or formatted for the secondary volume. Create and format a logical volume, and then reattempt the backup.
RPM-10448	The volume configuration of the specified replica information is different from the copy group mount definition.	*Cause* The volume configuration for the specified replica information differs from the file definition used by Replication Manager Application Agent. *Action* Contact the Support Center.
RPM-10449	The file used by Replication Manager Application Agent is invalid.	*Cause* The file used by Replication Manager Application Agent is invalid. *Action* Contact the Support Center.
RPM-11000	Logged on to the SQL Server system.	*Cause* Logon to SQL Server was successful. *Action* No user action is required.
RPM-11001	Logged off from the SQL Server system.	*Cause* Logoff from SQL Server was successful. *Action* No user action is required.
RPM-11002	The specified database does not exist in this instance of SQL Server. Database name = *Database name*	*Cause* The specified SQL database does not exist in SQL Server. *Action* Specify an SQL database that exists in SQL Server.

Message ID	Message Text	Description
RPM-11003	An attempt to connect to SQL Server has failed.	*Cause* Possible causes are as follows: 1. The specified SQL Server instance does not exist. 2. The specified SQL Server instance is not running. 3. Another user connected to SQL Server during a restore operation when SQL Server was running in single-user mode. *Action* Take the action below whose number corresponds to the number of the cause given above: 1. Specify a valid SQL Server instance. 2. Use an administrative tool in SQL Server to check whether the SQL Server instance is running. If the SQL Server instance is not running, start the SQL Server instance, and then try again. 3. If another user connected to SQL Server while the system database was being restored, take action so that other users cannot connect to the target SQL Server instance, and then re-execute the restore operation. If the user who manages Replication Manager Application Agent is not allowed to log in to SQL Server, add an SQL Server login and a System Administrator server role to the user.
RPM-11004	The specified SQL instance name is invalid or no SQL instance settings exist.	*Cause* Possible causes are as follows: 1. The specified SQL Server instance does not exist in SQL Server. 2. An environment for the specified SQL Server instance has not been set up, or no SQL Server instance has been set up. 3. SQL Server has not been installed on the applicable computer. *Action* Take the action below whose number corresponds to the number of the cause given above: 1. Specify the SQL Server instance registered in SQL Server.

Message ID	Message Text	Description
		2. In the Setup Application Agent window, open the **SQL Options** tab to set up the SQL Server instance. 3. Install SQL Server on the applicable computer, or delete Replication Manager Application Agent for SQL Component.
RPM-11013	This version of SQL Server is not supported. SQL Server version = *SQL Server version*	*Cause* An operation was performed on an unsupported version of SQL Server. *Action* Check the SQL Server version.
RPM-11014	The database to be processed does not exist.	*Cause* The SQL database specified for the processing target does not exist. *Action* Update the host information with the latest configuration, make sure that the SQL database exists, and then retry the operation.
RPM-11017	SQL Server information is being collected now.	*Cause* SQL Server information is being acquired. *Action* No user action is required.
RPM-11019	The specified SQL Instance is not set.	*Cause* The specified SQL Server instance has not been set up. *Action* In the Setup Application Agent window, open the **SQL Options** tab to register the SQL Server instance.
RPM-11020	An error occurred during automatic restoration when starting the SQL server. Cause = *Factor*	*Cause* An error occurred during automatic recovery at SQL Server startup. *Action* Eliminate the cause of the error, and then click **Restore Replica** again.
RPM-11103	SQL Server information was updated.	*Cause* SQL Server information has been updated. *Action* No user action is required.
RPM-11104	The specified VDI Meta file location cannot be found.	*Cause*

Message ID	Message Text	Description
	VDI Meta File Location = *VDI Meta File Location*	Possible causes are as follows: 1. The specified VDI meta file location is wrong. 2. The VDI meta file location is not specified by using its absolute path. *Action* Specify the correct VDI meta file location by using its absolute path, and then retry the operation.
RPM-11106	The specified UNDO Log File Location cannot be found. UNDO Log File Location = *UNDO Log File Location*	*Cause* Possible causes are as follows: 1. The specified UNDO log file location is wrong. 2. The UNDO log file location is not specified by using its absolute path. *Action* Specify the correct UNDO log file location by using its absolute path, and then retry the operation.
RPM-11108	The specified directory cannot be found. Directory name = *Directory name*	*Cause* Possible causes are as follows: 1. The specified directory does not exist. 2. The directory is not specified by using its absolute path. *Action* Specify the correct directory name by using an absolute path, and then retry the operation.
RPM-11110	The SQL Server of the specified SQL instance does not exist. Service name = *Service name*	*Cause* The SQL Server service for the SQL Server instance specified in the **SQL Options** tab in the Setup Application Agent window does not exist. *Action* Make sure that the SQL Server instance exists on the system, and then in the Setup Application Agent window, open the **SQL Options** tab to specify the correct SQL Server instance.
RPM-11111	The SQL Server of the specified SQL instance is not starting. Service name = *Service name*	*Cause* The SQL Server service for the SQL Server instance specified in the **SQL Options** tab in the Setup Application Agent window is not running.

Message ID	Message Text	Description
		Action Make sure that the SQL Server service is running properly.
RPM-11112	The specified SQL instance does not exist in the current virtual server. Virtual server name of the SQL instance = *Virtual server name of the instance* Current virtual server name = *Current virtual server name*	*Cause* The SQL Server instance specified in the **SQL Options** tab in the Setup Application Agent window is not the one for the specified virtual server name. *Action* In the Setup Application Agent window, open the **SQL Options** tab, and then specify the name of the SQL Server instance that exists on the specified virtual server.
RPM-11113	SQL Server of the specified instance is now available. Host name = *virtual-server-name-or-physical-host-name* Instance name = *SQL-Server-instance-name*	*Cause* The instance specified when the `drmsqlinit` command was executed is now an instance available on the host. *Action* -
RPM-11302	Recovery processing will now start.	*Cause* The recovery operation has started. *Action* No user action is required.
RPM-11303	Recovery processing has finished.	*Cause* The recovery operation finished successfully. *Action* No user action is required.
RPM-11310	The database has already been recovered. Processing will be skipped. Database name = *Database name*	*Cause* A recovery operation was performed when recovery was not necessary, or for an SQL database for which recovery was already performed. *Action* No user action is required.
RPM-11311	An attempt to recover the database failed. Database name = *Database name* Code = *Code* Cause = *Factor*	*Cause* The recovery operation for the SQL database failed. *Action* Eliminate the cause of the error, and then click **Restore Replica** again.
RPM-11500	The specified storage group does not exist in Exchange Server.	*Cause*

Message ID	Message Text	Description
	Storage group name = *Storage group name*	The specified storage group does not exist in Exchange Server. *Action* Update the host information, confirm that the specified storage group exists, and then retry the operation.
RPM-11501	An error occurred during processing of Exchange Server. Processing = *Content of processing* Cause = *Error factor*	*Cause* An error occurred during Exchange Server processing. *Action* For details on how to resolve the cause of the error, see the appropriate Exchange Server manual, and then retry the operation.
RPM-11502	An error occurred during processing of Exchange Server. Processing = *Content of processing* Code = *Error code*	*Cause* An error occurred during Exchange Server processing. *Action* For details on how to resolve the cause of the error, see the appropriate Exchange Server manual, and then retry the operation.
RPM-11503	An error occurred during processing of Exchange Server. Processing = *Content of processing* Code = *Error code* Cause = *Error factor*	*Cause* An error occurred during Exchange Server processing. *Action* For details on how to resolve the cause of the error, see the appropriate Exchange Server manual, and then retry the operation.
RPM-11508	Multiple storage groups exist.	*Cause* Multiple storage groups exist in Exchange Server 2003 Standard Edition. *Action* Remove at least one of the unused storage groups.
RPM-11509	Exchange Server has not yet been installed on this system.	*Cause* A registry key specified during the installation of Exchange Server cannot be found. Or, Exchange Server has not been installed on the correct computer. *Action* Install Exchange Server on the applicable computer, or delete Replication Manager Application Agent for Exchange Component.

Message ID	Message Text	Description
RPM-11510	An attempt to mount the database failed. Storage group name = *Storage group name* Information store name = *Information store name*	*Cause* An attempt to mount the database failed. *Action* Confirm that IIS Admin Service, Microsoft Exchange System Attendant, and Microsoft Exchange Information Store are all running.
RPM-11511	An attempt to unmount the database failed. Storage group name = *Storage group name* Information store name = *Information store name*	*Cause* An attempt to unmount the database failed. *Action* Confirm that IIS Admin Service, Microsoft Exchange System Attendant, and Microsoft Exchange Information Store are all running.
RPM-11512	The same storage group name is being used on multiple Exchange virtual servers that have the same cluster configuration node set as a priority node. Node name = *Node name* Storage group name = *Storage group name*	*Cause* This message indicates that a single node is specified as the priority node on multiple Exchange virtual servers in a cluster configuration, and that these Exchange virtual servers use the same storage group name. *Action* If a single node is specified as the priority node on multiple Exchange virtual servers in a cluster configuration, make sure that these Exchange virtual servers do not use the same storage group name.
RPM-11513	The status of the cluster group on the Exchange virtual server is not "online". Cluster group name = *Cluster group name*	*Cause* The cluster group on the Exchange virtual server is not online. *Action* Place the Exchange virtual server online, and then retry the operation.
RPM-11514	An attempt to obtain the Exchange Server information failed.	*Cause* An attempt to obtain the Exchange Server information failed. *Action* Confirm that the DNS server and domain controller (for the domain in which Exchange Server is installed) are operating normally. If this does not resolve the problem, check the appropriate Exchange Server manual to confirm that Exchange Server is operating normally.

Message ID	Message Text	Description
RPM-11515	The information of the cluster resource associated with the storage group does not exist. Storage group name = *Storage group name*	*Cause* In a cluster configuration, the cluster resource information for the named storage group is not registered. *Action* Collect maintenance information, and then contact the Support Center.
RPM-11516	Replication Manager Application Agent Environment is illegal.	*Cause* The Replication Manager Application Agent environment is invalid. *Action* Select a virtual server (or cluster configuration) in the Add Application Agent dialog box, enter information for the Application Agent, and then retry the operation.
RPM-11517	Replication Manager Application Agent Environment is illegal.	*Cause* The Replication Manager Application Agent environment is invalid. *Action* Use the window for adding Application Agent to confirm that the Application Agent is correctly configured, and then retry the operation.
RPM-11520	The specified storage group is a recovery storage group. Storage group name = *Storage group name*	*Cause* The specified storage group is a recovery storage group. *Action* Check the specified storage group, and then retry the operation.
RPM-11521	The information store could not be unmounted. Information store name = *Information store name*	*Cause* An attempt to unmount the named information store failed. *Action* Restart the Microsoft Exchange Information Store service, and then retry the operation. If the service cannot be stopped, you must restart the system.
RPM-11522	An attempt to obtain the Active Directory information has failed.	*Cause* An error occurred while acquiring Active Directory information. *Action* Confirm that the DNS server and domain controller (for the domain in

Message ID	Message Text	Description
		which Exchange Server is installed) are operating normally.
RPM-11523	The Exchange Server name does not exist in Active Directory. Exchange Server name = *Exchange Server name*	*Cause* The Exchange server name cannot be found in Active Directory. *Action* Confirm that the DNS server and domain controller (for the domain in which Exchange Server is installed) are operating normally.
RPM-11524	Connection with Active Directory was not possible.	*Cause* A connection to Active Directory could not be established. *Action* Use the current login user name and password to confirm that you can connect to the domain controller. Likewise, confirm that the domain controller, DNS service, and network are operating normally. If necessary, collect event logs from the server that runs this program, the domain controller, and the DNS service, and then check the status of OS.
RPM-11525	The status of the cluster resource on the Exchange virtual server is not "online". Cluster resource name = *Cluster resource name*	*Cause* The status of the cluster resource on the Exchange virtual server is not online. *Action* Place the cluster resource on the Exchange virtual server online, and then retry the operation.
RPM-11527	The Exchange environment configuration file does not exist. Exchange environment configuration file = *Exchange environmental configuration file name*	*Cause* The Exchange Server environment configuration file could not be found. *Action* Specify the existing environment configuration file for Exchange Server.
RPM-11528	An attempt to open the Exchange environment configuration file failed. Exchange environment configuration file = *Exchange environmental configuration file name*	*Cause* The Exchange Server environment configuration file could not be opened. *Action* Confirm that you have permission to access the file.
RPM-11529	A parameter required in the Exchange environment	*Cause*

Message ID	Message Text	Description
	configuration file has not been specified. Parameter name = *Parameter name*	The Exchange Server environment configuration file does not contain the required parameter setting. *Action* Check the contents of the Exchange Server environment configuration file.
RPM-11530	A parameter value in the Exchange environment configuration file is invalid. Parameter name = *Parameter name* Parameter value = *Parameter value*	*Cause* The Exchange Server environment configuration file contains an invalid parameter value. *Action* Check the contents of the Exchange Server environment configuration file.
RPM-11531	The specified information store does not exist in Exchange Server. Refresh the host information, confirm the existence of the information store in Exchange Server, and then retry the operation. Information store name = *information-store-name*	*Cause* The specified information store does not exist in Exchange Server. *Action* Update the host information, make sure that the specified information store exists in Exchange Server, and then retry the operation.
RPM-11532	An attempt to mount the information store has failed. Check the execution status of the information store service. Information store name = *Information store name*	*Cause* An attempt to mount the information store has failed, possibly because the Microsoft Exchange Information Store service stopped. *Action* Check whether the Microsoft Exchange Information Store service has started correctly.
RPM-11533	An attempt to unmount the information store has failed. Check the execution status of the information store service. Information store name = *Information store name*	*Cause* An attempt to dismount an information store has failed because the Microsoft Exchange Information Store service stopped. *Action* Check whether the Microsoft Exchange Information Store service has started correctly.
RPM-11534	The specified information store is a recovery database. Confirm the specified information store, and then retry the operation. Information store name = *Information store name*	*Cause* The specified information store is a recovery database. *Action* Check the specified information store, and then retry the operation.
RPM-11623	One or more transaction log files or checkpoint files are	*Cause*

Message ID	Message Text	Description
	stored in the same copy group as database files. Save all transaction log files and checkpoint files in a different copy group from database files, and then retry the operation. Information store name = *Information store name* Copy group name = *Copy group name*	A transaction log file or a checkpoint file is contained in the copy group that manages the database files of the information store that is to be replicated. *Action* Store the transaction log file or checkpoint file in a copy group that does not contain database files, and then retry the operation.
RPM-11624	A replica could not be created because one or more information stores are not mounted. Mount all relevant information stores, and then retry the operation. Information store name = *Information store name*	*Cause* A replica for the information store was not created due to either of the following causes: • The Exchange Information Store service has not started. • The information stores that are to be replicated have not been mounted. *Action* Make sure that all of the information stores to be replicated have been mounted, and then retry replica creation.
RPM-11626	The Exchange Server replication function is not running properly. Configure he DAG replication function so that it runs properly. Exchange server name = *Exchange Server name* Information store name = *Information store name*	*Cause* The information store replication function on the indicated Exchange server is not operating correctly. *Action* Specify the settings so that the DAG replication function can operate correctly as described in the Exchange Server documentation.
RPM-11627	A backup cannot be performed of information stores that use cyclic logs. Disable the cyclic log setting. Information store name = *Information store name*	*Cause* A target information store cannot be backed up because circular logging is set for that information store. *Action* Do not set circular logging for information stores to be replicated.
RPM-11628	A service required by the executed command is not running. Check the status of the service. Service name = *Service name*	*Cause* A service required by the executed command is not running. *Action* Start the service indicated in the message.

Message ID	Message Text	Description
RPM-11629	COM registration of a library necessary for using Exchange Management Shell failed.	*Cause* .NET Framework, which is required by Exchange Server, might not be installed correctly. *Action* Verify that .NET Framework, which is required by Exchange Server, is installed correctly, and then retry the command.
RPM-11752	A replica cannot be created because there are non-information store files in the copy group. Specify only the information inside the copy group, and then reattempt to create a replica. Information store name = *Information store name* Copy group name = *Copy group name*	*Cause* A replica of the information stores cannot be created because files of information stores that are not to be replicated are included in the same copy group. *Action* Specify only information stores that are in the same copy group, and then try to create a replica again.
RPM-11754	The Exchange Server replication function could not be stopped. Exchange server name = *Exchange Server name* Information store name = *Information store name*	*Cause* An attempt to interrupt the information store replication function on the indicated Exchange server has failed. *Action* Interrupt the replication function as described in the Exchange Server documentation.
RPM-11756	The Exchange Server replication function could not be stopped. Exchange server name = *Exchange Server name* Information store name = *Information store name*	*Cause* An attempt to resume the information store replication function on the indicated Exchange server has failed. *Action* Resume the replication function as described in the Exchange Server documentation.
RPM-11759	The resynchronization of data during seed processing failed. Manually perform seed processing. Exchange server name = *Exchange Server name* Information store name = *Information store name*	*Cause* A data resynchronization attempt failed during seed processing for the information store on the indicated Exchange server. *Action* Manually perform seed processing as described in the Exchange Server documentation.
RPM-11760	The Exchange Server replication function has already been stopped.	*Cause*

Message ID	Message Text	Description
	Exchange server name = *Exchange Server name* Information store name = *Information store name*	An attempt was made to interrupt the information store replication function on the indicated Exchange server, but the function had already been interrupted. *Action* No action is required.
RPM-11761	Exchange Server's Microsoft Exchange Replication service is not running. Start the Microsoft Exchange Replication service, and then retry the operation. Exchange server name = *Exchange Server name*	*Cause* DAG seed processing could not be performed because Microsoft Exchange Replication Service had not started yet on the indicated Exchange server. *Action* Make sure that the status of Microsoft Exchange Replication Service on the indicated Exchange server is correct, and then re-execute the command. If restoration of the Exchange server is difficult, take either of the following actions, and then re-execute the command: • Perform restoration without using the DAG seed function. • Disable the DAG replication setting for the indicated Exchange server.
RPM-11763	Backup information on the specified information store cannot be acquired. Be sure to properly specify a backup ID and information store. Information store name = *information-store-name*	*Cause* The replica information for the specified information store could not be obtained. *Action* Update the host information, and then make sure that the specified information store exists. Then, retry the operation.
RPM-11764	Passive copies of mailbox database copies cannot be restored. Make the mailbox active, and then retry the operation. Information store name = *Information store name*	*Cause* An attempt was made to restore the mailbox database from its copy, but the copy was in passive status. *Action* Switch the status of the copy of the mailbox database used for restoration to active status, and then retry the operation.
RPM-11807	The target database file does not exist.	*Cause* The specified storage group contains no information store. *Action*

Message ID	Message Text	Description
		Specify a storage group that contains at least one information store, and then retry the operation.
RPM-15000	Replica by VSS cannot be performed in this OS.	*Cause* A replica that uses VSS cannot be created in an OS that does not support VSS. *Action* Change the OS to a version that supports VSS, or use another method to perform a backup.
RPM-15001	Replica by VSS cannot be performed in the cluster environment.	*Cause* VSS cannot be used to create a replica in a cluster configuration. *Action* Revise the configuration, and then retry.
RPM-15002	VSS Environment is illegal.	*Cause* The system is not properly configured to support VSS. *Action* Check the configuration, and then reconfigure the system from the Setup Application Agent dialog box.
RPM-15003	An attempt to use {RM Shadow Copy Provider | RMXP Shadow Copy Provider} failed. Make sure that VSS has been set up correctly.	*Cause* This message is output when the VSS hardware provider (RM Shadow Copy Provider) does not operate. Possible causes are as follows: • RM Shadow Copy Provider has not been installed. • The system environment variables for using VSS have not been set up correctly. • The system was not restarted after the system environment variables for using VSS were set up. *Action* For details, in the *Replication Manager Application Agent CLI User Guide*, see the explanation on how to specify settings when using VSS, and make sure that the environment settings for VSS backup have been set up correctly. In addition, an event log (whose source is RMVSSPRV) that shows error details might be output to the

Message ID	Message Text	Description
		application event log on the database server. For details on this event log, see the RAID Manager manual.
RPM-15004	A timeout error occurred.	*Cause* A timeout error occurred. *Action* Contact the Support Center.
RPM-15005	The VSS definition file does not exist.	*Cause* The VSS definition file is missing. *Action* Check whether *replication-manager-application-agent-installation directory*`\conf\vss\vsscom.conf` exists. If it does not exist, copy *replication-manager-application-agent-installation-directory*`\conf\vsscom.conf.model` to *replication-manager-application-agent-installation-directory*`\conf\vsscom.conf`, and then create the VSS definition file.
RPM-15006	An attempt to load the VSS definition file has failed.	*Cause* The VSS definition file exists, but cannot be accessed. *Action* Confirm that you have permission to access *replication-manager-application-agent-installation-directory*`\conf\vss\vsscom.conf`.
RPM-15007	A required parameter setting for the VSS definition file is invalid. Parameter name = *Parameter name*	*Cause* The VSS definition file does not contain the required parameter setting, or the total length of the parameters in a line exceeds 256 bytes. *Action* Change the required parameter setting in the VSS definition file.
RPM-15008	The value of a parameter in the VSS definition file is invalid. Parameter name = *Parameter name* Parameter value = *Parameter value*	*Cause* The VSS definition file contains an invalid parameter value. *Action* Specify a valid parameter value.
RPM-15012	Replication Manager Application Agent environment is illegal.	*Cause* The Replication Manager Application Agent environment is invalid.

Message ID	Message Text	Description
		Action Open the Setup Application Agent dialog box on the backup-server side, and then reconfigure the secondary instance to be used.
RPM-15013	The port number is already in use. Port number = *Port number*	*Cause* A specified port number is already in use. *Action* Check the setup procedure, and then reassign an unused port number to services.
RPM-15023	An error occurred on the backup server. Cause = *Factor*	*Cause* An error occurred on the backup server. *Action* Troubleshoot the cause of the error.
RPM-15024	A memory shortage occurred in the Application Agent service.	*Cause* A memory shortage occurred in the Application Agent service. *Action* Add memory to the target host. Or, change the virtual memory setting.
RPM-15026	The file already exists on the backup server.	*Cause* The file already exists on the backup server. *Action* Reattempt the backup.
RPM-15027	An attempt to load the file on the backup server has failed.	*Cause* An attempt to load the file on the backup server failed. *Action* Contact the Support Center.
RPM-15028	An attempt to write to the file on the backup server has failed.	*Cause* An attempt to write to the file on the backup server failed. *Action* Reattempt the backup.
RPM-15029	An attempt to mount the target drive on the backup server failed.	*Cause* An attempt to mount the target drive on the backup server failed. *Action* Make sure that the correct mount point directory is specified on the backup server.

Message ID	Message Text	Description
		If the specified mount point directory is correct, check the OS system log to see whether an error occurred.
RPM-15030	The target drive is already mounted on the backup server.	*Cause* The target drive is already mounted on the backup server. *Action* The target drive is already mounted as another volume. Unmount the target drive, and then retry the operation.
RPM-15031	An attempt to unmount the target drive on the backup server has failed.	*Cause* An attempt to unmount the target drive on the backup server failed. *Action* Confirm the following on the backup server: The drive to be unmounted is not being used by another process. The drive to be unmounted is not being used as the current directory. If the correct mount point directory is specified, check the system log and confirm that there are no problems with the OS.
RPM-15032	Acquisition of mount information on the backup server failed.	*Cause* An attempt to acquire the mount information on the backup server failed. *Action* Contact the Support Center.
RPM-15033	An attempt by the backup server to import the VSS snapshot has failed. Make sure that VSS has been set up correctly.	*Cause* This message is output when an attempt to import the VSS snapshot fails on the backup server. Possible causes are as follows: • RM Shadow Copy Provider has not been installed on the backup server. • The system environment variables for using VSS have not been set correctly. • The system was not restarted after the system environment variables for using VSS were set up. • The system environment variables (HORCMINST, HORCC_MRCF, and

Message ID	Message Text	Description
		HORCMPERM), which cannot be specified on the backup server, have been set. • The -m noread option was not specified during a pair generation. *Action* For details, in the *Replication Manager Application Agent CLI User Guide*, see the explanation on how to specify settings when using VSS, and make sure that the environment settings for VSS backup have been set up correctly. In addition, an event log (whose source is RMVSSPRV) that shows error details might be output to the application event log on the backup server. For details on this event log, see the RAID Manager manual. A tool that cannot be used during command execution might also be running. For details, see Tools that Cannot Be Used When Executing Commands in the manual *Replication Manager Application Agent CLI User Guide*.
RPM-15034	VSS Environment setting failed.	*Cause* The system is not correctly configured to support VSS. *Action* Specify the system environment variable VSHTCRMENVF as follows: *Replication-Manager-Application-Agent-installation-directory* \conf \vssprv.conf
RPM-15035	Replication Manager Application Agent Environment is illegal.	*Cause* The Replication Manager Application Agent environment is invalid. *Action* Revise the Application Agent settings. Change the setting for the environment variable VSHTCRMENVF.
RPM-15036	The version of the VSS import server is invalid.	*Cause* An older version of the VSS-import server is used. *Action* Check the version of Replication Manager Application Agent that is installed on the backup server.

Message ID	Message Text	Description
RPM-15037	The file used by the backup server is inconsistent.	*Cause* A file used by the backup server has been corrupted for some unknown reason, causing inconsistencies in the file. *Action* Because there are inconsistencies in a file used by the backup server, backup data cannot be restored.
RPM-15038	Replica by VSS cannot be performed in the OS of the backup server.	*Cause* The OS that runs on the backup server does not support the creation of VSS replicas. *Action* Change the OS to a version that is supported.
RPM-15039	VSS Environment is illegal.	*Cause* The system is not properly configured to support VSS. *Action* Open the Setup Application Agent dialog box on the backup server side, and then reconfigure the secondary instance to be used.
RPM-15100	The file used by Replication Manager Application Agent cannot be found.	*Cause* The file used by Replication Manager Application Agent cannot be found. *Action* Change the configuration, and then retry the operation. If the problem persists, contact the Support Center.
RPM-15102	A required setting for linking with RAID management software is not defined.	*Cause* The file required to link with RAID management software was read, but it does not contain a necessary parameter. *Action* Confirm that the system is correctly configured, and then retry the operation.
RPM-15103	The pair identifiers in the copy group to be backed up do not match. Copy group name [MU#] = *Copy group name*[*MU number*], *Copy group name*[*MU number*]	*Cause* The backup command was executed when the `CONFIRM_GENERATION_IDENTIAL=ENABLE` parameter was specified in the CCI

Message ID	Message Text	Description
		configuration definition file and CCI-linkage definition file (DEFAULT.dat), and automatic copy group selection was enabled. As the result, the pair identifiers do not match. This error might also occur if VSS is used. *Action* Use one of the following methods to resolve the error: 1. Lock the copy groups. Or, use a method that enables the same pair identifier to be selected. 2. Specify the CONFIRM_GENERATION_IDENTIAL=DISABLE parameter in the linkage definition file for CCI (DEFAULT.dat), and then retry the operation. (This method is only valid if a local copy is used and VSS is not used.)
RPM-15106	The status of the copy group to be processed is invalid.	*Cause* The status of a copy group to be processed is invalid. *Action* Update the copy group information to be processed, and then acquire the status of the copy group. If the problem persists, change the copy group status back to the normal status.
RPM-15107	The status of the copy group associated with processing is invalid.	*Cause* The status of a copy group associated with processing is invalid. *Action* Update the copy group information to be processed, and then acquire the status of the copy group. If the problem persists, change the copy group status back to the normal status.
RPM-15116	The logical volume configuration of the secondary volume is incorrect.	*Cause* The actual logical volume configuration acquired from the secondary volume does not match the volume in the replica history or copy group mount definition. 1. Even though the logical volume configuration of the primary volume has been changed, the

Message ID	Message Text	Description
		backup catalog before the change was specified. 2. Even though no copy group mount definition was created, an attempt was made to mount a dynamic disk by specifying a copy group. *Action* 1. Confirm that the specified replica history was created at the time of the replication for the logical volume configuration of the current primary volume. Make sure that you specify the replica history for the current primary volume configuration. If the logical volume configuration of the primary volume was changed, reconfigure the system and mount the secondary volume. 2. If a copy group configured by a dynamic disk is specified, confirm that the copy group mount definition file was created. Before specifying a copy group, you must create a copy group mount definition file. Confirm that the system is correctly configured to mount the secondary volume. 3. If none of the above conditions apply, reconfigure the system so that the secondary volume can be mounted.
RPM-15118	Confirm that the pair status is *Pair status*.	*Cause* The actual pair status of a copy group is different from the expected status. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15119	An attempt to retry confirmation of the pair status has timed out. Wait pair status = *Pair status* *Retry frequency parameter name = Retry frequency parameter value* (times) *Parameter name of Retry waiting time = Parameter value of Retry waiting time* (10ms)	*Cause* The pair status does not change as expected after the number of checks is specified in the retry count parameter. Each check is conducted after the specified length of time in the retry wait time parameter elapses. *Action* See the details message (which is output after this message) that caused

Message ID	Message Text	Description
		RPM-10006, and then take the appropriate action.
RPM-15120	An error occurred in the processing of the copy group. Copy group name = *Copy group name*	*Cause* An error occurred in the target copy group. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15121	An error occurred in the processing that compares the replica history and the current configuration.	*Cause* A restoration cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. *Action* A restore operation cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. Re-acquire the replica.
RPM-15122	An error occurred in the processing of a logical volume. Mount point name = *Mount point name* Volume name = *Volume name*	*Cause* The mount point cannot be mounted or unmounted. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15123	Acquisition of the mount point name failed. Volume name = *Volume name*	*Cause* An attempt to acquire or unmount a mount point has failed. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15124	An error occurred in the processing that selects the copy group. Physical drive name = *Physical drive name* Cause = *Cause*	*Cause* There was no generation name or number for the selected copy group when the replica was created. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15125	A file necessary for restoration was not specified.	*Cause*

Message ID	Message Text	Description
	File name = *File name* Disk group name = *Disk group name*	Not all of the files in a disk group were specified when a replica was restored. *Action* See the details message (which is output after this message) that caused RPM-10051 or RPM-10006, and then take the appropriate action.
RPM-15126	An error occurred in the processing for a logical volume. Mount point name = *Mount point name* Cause = *Cause*	*Cause* An error occurred while the target local volume is being processed. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15127	An error occurred in the processing related to CCI / RAID Manager. Instance number = *Instance number*	*Cause* An error occurred during the startup or shutdown of a CCI instance. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15128	An error occurred in the processing that compares the replica history and the current configuration.	*Cause* A restoration cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. *Action* A restore operation cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. Reacquire the replica.
RPM-15129	An error occurred in the processing that compares the replica history and the current configuration.	*Cause* A restoration cannot be performed, because the configuration of the drive has been changed from the configuration of the replicated drive. *Action* A restore operation cannot be performed, because the configuration of the drive to be restored differs from the configuration of the replicated drive. Reacquire the replica.
RPM-15130	An error occurred in the processing of a logical volume. Disk group name = *Disk group name*	*Cause* A logical volume on the physical drive cannot be identified.

Message ID	Message Text	Description
	Physical drive name = *Physical drive name*	*Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15131	An error occurred in the processing of a disk group. Disk group name = *Disk group name*	*Cause* The name of the disk group (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15132	An error occurred in the processing of the mount point. Mount point name = *Mount point name*	*Cause* The name of the mount point (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15133	An error occurred in the processing of the physical drive. Physical drive name = *Physical drive name*	*Cause* The name of the physical drive (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15134	An error occurred in the processing of a disk resource. Disk resource name = *Disk resource name*	*Cause* The name of the disk resource (in which an error occurred) was successfully acquired. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15137	The physical disk resource cannot be placed online because the disk signature has changed. Cluster resource name = *Cluster resource name* Physical drive name = *Physical drive name*	*Cause* The disk signature for the secondary volume has changed and the secondary volume has been restored to the primary volume. A physical drive resource that includes a volume whose disk signature has changed cannot be placed from offline to online.

Message ID	Message Text	Description
	Disk signature = *Disk Signature(Before it changes.) -> Disk Signature(After it changes.)*	*Action* Contact the Support Center.
RPM-15138	Acquisition of the disk signature failed. Physical drive name = *Physical drive name*	*Cause* This message appears if an attempt to acquire a disk signature fails. *Action* Check the system log, and then check whether the message that indicates the target physical drive error has been output. If any error message is found, resolve the error.
RPM-15139	An attempt to update the disk signature failed. Copy group name = *Copy group name* Physical drive name = *Physical drive name*	*Cause* An attempt to update the disk signature for the physical drive (displayed in the message) containing the copy group failed. *Action* Check the OS system log, and if an error message related to the target physical drive was output, take action by following the message. If the operating status of the physical drive device is displayed as UNKNOWN, the physical drive device is hidden. Disable the hiding by specifying a backup ID or copy group. If the physical drive device is not hidden, change the configuration of both the CCI and storage system, and then confirm that each copy group volume is correctly mapped on the server as a physical drive device.
RPM-15141	The disk signature cannot be updated using this backup information.	*Cause* The disk signature cannot be updated, because the signature has not been recorded in the replica history. *Action* Check the following: • Replica information • Executing the `drmdevctl` command with the `-sigview` option displays a value other than `--------` as the backup disk signature If a replica history is for when a replica was created by an earlier version of Replication Manager Application Agent, the signature displayed is `--------`. Thus, the disk signature cannot be

Message ID	Message Text	Description
		updated by specifying the replica information. To update the disk signature, you must specify a copy group.
RPM-15142	The specified disk signature argument is invalid. Argument = *Argument*	*Cause* An invalid disk signature is specified as the command argument. *Action* The disk signature must be a hexadecimal number of no more than eight digits. The format of the specified disk signature depends on the drive partition style. MBR drive: 8-digit hexadecimal number GPT drive: GUID number Specify the disk signature in an appropriate format, and then retry the command.
RPM-15144	An attempt to invalidate current handles to the volume failed. Mount point name = *Mount point name*	*Cause* An open handle for the logical volume could not be checked, or the system could not invalidate all of the open handles for the logical volume. *Action* Check whether the target volume is being used by another application. If it is being used, stop the application. If the target volume is not being used, check the system log, and then check whether the message that indicates the target volume error has been output. If any error message is found, resolve the error.
RPM-15145	The dirty bit is set for the logical volume. Volume name = *Logical volume name*	*Cause* A cluster resource was placed offline and a dirty bit was specified in the logical volume. *Action* Perform the following procedure to repair the dirty bit, and then retry: 1. Confirm that the resource is offline. 2. Execute `CHKDSK /F /X` *logical-volume-name*. 3. Place the resource offline.

Message ID	Message Text	Description
RPM-15146	The secondary volume is mounted. Copy group name = *Logical volume name* Mount point = *Mount point directory in backup server*	*Cause* A secondary volume is mounted. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action.
RPM-15147	The secondary volume is not hidden. Copy group name = *Copy group name* Physical drive name = *Physical disk name of backup server* Serial Number = *SERIAL number* LDEV Number = *LDEV number*	*Cause* A secondary volume drive is not hidden. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action. If the copy group is defined by its virtual ID in the configuration definition file (`horcm`*n*`.conf`) of RAID Manager, then the serial number and LDEV number displayed in the message are virtual ID information. From the displayed virtual ID information, identify the physical ID information, and then take the appropriate action for the target resource.
RPM-15148	The secondary volume must be hidden because the primary volume is a cluster resource and the primary volume is paired with multiple generations of secondary volumes.	*Cause* This message indicates the reason for the KAVX5147-E error when the error is displayed. *Action* See the details message (which is output after this message) that caused RPM-15147 and RPM-10006, and then take the appropriate action.
RPM-15149	The secondary volume must be hidden because VSS replica is performed and the primary volume is paired with multiple generations of secondary volumes.	*Cause* This message indicates the reason the RPM-15147 error is output. *Action* See the details message (which is output after this message) that caused RPM-15147 and RPM-10006, and then take the appropriate action.
RPM-15150	The secondary volume must be hidden because the primary volume is a dynamic disk and the primary volume is paired with multiple generations of secondary volumes.	*Cause* This message indicates the reason for the KAVX5147-E error when the error is displayed. *Action*

Message ID	Message Text	Description
		See the details message (which is output after this message) that caused RPM-15147 and RPM-10006, and then take the appropriate action.
RPM-15151	The pair status on the secondary volume side is invalid. Copy group name = *Copy group name* MU# of the secondary volume = *MU number of sub-volume* Pair status = *Pair status*	*Cause* The status of the copy group on a remote site is invalid. *Action* See the details message (which is output after this message) that caused RPM-15147 and RPM-10006, and then take the appropriate action.
RPM-15160	Importing the replica history has failed.	*Cause* Importing the replica history on the backup server failed. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action. After the replica is complete, try to import again.
RPM-15161	Exporting the replica history has failed.	*Cause* Exporting the replica history failed. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action. After the replica is complete, try to import again.
RPM-15164	Mounting the secondary volume failed.	*Cause* A mount operation on the backup server failed. *Action* See the details message (which is output after this message) that caused RPM-10006, and then take the appropriate action. After the replica is complete, try to mount the replica history again.
RPM-15165	The shared data path has not been set.	*Cause* No valid shared data path has been specified. *Action* Confirm that a shared data path has been specified.
RPM-15169	An error occurred during the processing for a disk group.	*Cause* An error occurred while processing a disk group.

Message ID	Message Text	Description
	Disk group name = *Disk group name* Cause = *Cause*	*Action* Confirm the message that describes possible causes, and then take the appropriate action to resolve the error.
RPM-15170	The format of the disk signature differs from the physical drive partition style. Disk signature = *Disk Signature* Physical drive name = *Physical drive name*	*Cause* The specified disk signature format and the target drive partition style are different. *Action* Specify the disk signature in a format that matches the drive partition style, and then retry the command.
RPM-15171	The physical drive partition style has been changed.	*Cause* The drive partition style recorded in the replica history and the current drive partition style are different. *Action* Confirm that the partition style for the replicated drive matches the current drive partition style, and then retry the command.
RPM-15407	Replication Manager Application Agent Environment is illegal.	*Cause* The Replication Manager Application Agent environment is invalid. *Action* Update the configuration, and then retry the operation. If the problem persists, contact the Support Center.

RPM-20000 - RPM-29999

The following table describes messages RPM-20000 to RPM-29999, which are related to Replication Manager Application Agent.

Table 2-47 RPM-20000 - RPM-29999 (messages output by Replication Manager Application Agent)

Message ID	Message Text	Description
RPM-20000	An error occurred during exclusive processing.	*Cause* Exclusive processing was attempted because another operation was in progress, but the attempt failed. *Action* Wait a while, and then retry the operation.

Message ID	Message Text	Description
RPM-20001	The specified file is being used.	*Cause* Processing could not continue. The file to be restored was being used. *Action* Wait a while, and then retry the operation.
RPM-20002	An internal error occurred.	*Cause* An unknown internal error occurred, either because the information in a dictionary map file or backup catalog was inconsistent or damaged, or because an unknown internal error occurred during execution of an OS system call. *Action* Use the following procedure to check the Application Agent operating environment: 1. Make sure that the RAID Manager instance that will communicate with the RAID Manager instance specified by Setup Application Agent Wizard has already started. 2. Make sure that the instance number specified in the Setup Application Agent Wizard is valid. 3. Make sure that the RAID Manager configuration definition file (`horcm`*n*`.conf`) is valid. If there is no problem in the Application Agent operating environment, check the appropriate troubleshooting section of the product manual, collect the necessary information, and then contact the Support Center. To perform a recovery, you must uninstall the product, and then re-install it.
RPM-20003	An attempt to obtain a replica information failed.	*Cause* Replica information could not be acquired. The Replication Manager Application Agent data is corrupted. *Action* Check the appropriate troubleshooting section of the product manual, collect the necessary information, and then contact the Support Center. To perform a recovery, you must uninstall the product, and then re-install it.

Message ID	Message Text	Description
RPM-20004	The replica details associated with the specified replica does not exist.	*Cause* The replica details associated with the specified replica do not exist. *Action* Update the host information, and then retry the operation.
RPM-20008	The pair status of the copy group is invalid.	*Cause* The command cannot be executed because the pair status of the copy group is invalid. Consider the following possible causes: 1. A program other than Replication Manager was used to change the pair volume status. 2. The user executed an invalid operation. 3. An error occurred on the storage system. *Action* Perform one of the following, based on the corresponding cause: 1. If a program other than Replication Manager has been used to change the status of the pair volume, use the CCI `pairsplit` command to change the copy group pair status to PSUS, and then re-execute the command. 2. If the user has executed an invalid operation, restore a backup from a tape or make another backup of the primary volume, and then correct the data in the secondary volume. 3. If an error occurred in the storage system, check the system log, and then check whether there is a message that indicates that an error has been output for the target volume. If any error messages are found, resolve the error.
RPM-20009	An attempt to resynchronize a copy group failed.	*Cause* An attempt to resynchronize a copy group while performing a backup or restore has failed. *Action*

Message ID	Message Text	Description
		See the Replication Manager manual and check whether Replication Manager Application Agent is properly configured.
RPM-20010	Acquisition of RAID configuration information failed.	*Cause* A CCI command was unable to obtain the RAID configuration information. *Action* Check the appropriate CCI manual to eliminate the problem that caused the CCI command to fail, and then retry the operation.
RPM-20011	A timeout error occurred.	*Cause* A timeout occurred during copy group resynchronization processing. *Action* Make sure that the storage devices are not overloaded, and then retry the operation.
RPM-20013	An attempt to obtain the installation path has failed.	*Cause* An attempt to obtain information about the product installation path has failed, because the product was not installed properly on a Windows system. *Action* Uninstall the product temporarily, and then re-install it. If the same problem occurs after the re-installation, contact the Support Center.
RPM-20014	The specified copy group does not exist.	*Cause* The copy group registered as backup information was not found in the current configuration. *Action* Make sure the copy group is properly defined. If the copy group does not exist in the current configuration, check the CCI configuration definition file and make sure the CCI configuration definitions are correct.
RPM-20015	Acquisition of RAID information failed.	*Cause* RAID configuration information could not be obtained while the setup files used by Replication Manager Application Agent were being updated. Alternatively, an attempt was made to update the setup files on the backup server.

Message ID	Message Text	Description
		Action It is not necessary to update the setup files on the backup server. If this message was output on the database server, perform the following: 1. See the CCI log information, and check whether any CCI commands have failed. If a CCI command has failed, remove the cause of the problem by correcting the CCI configuration definition file (`horcm`*n*`.conf`) as described in the CCI manual, and then retry the operation. 2. See the manual, and make sure Replication Manager Application Agent is properly configured.
RPM-20018	The specified path is invalid.	*Cause* Some information does not match between the Replication Manager server and Replication Manager Application Agent. *Action* Update host information, and then retry the operation.
RPM-20020	An attempt to generate a pair of the copy group failed.	*Cause* An attempt to generate a copy group pair failed while performing a backup or restoration. *Action* See the CCI log information, and remove the cause of the problem as described in the CCI manual, and then retry the operation. If the error occurs again, see the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured.
RPM-20021	An attempt to resynchronize a copy group failed.	*Cause* An attempt to resynchronize a copy group pair failed while performing a backup or restoration. *Action* See the CCI log information, and remove the cause of the problem as described in the CCI manual, and then retry the operation.

Message ID	Message Text	Description
		If the error occurs again, see the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured.
RPM-20022	An attempt to split the copy group pair failed.	*Cause* An attempt to split a copy group pair failed while performing a backup or restoration. *Action* See the CCI log information, and remove the cause of the problem as described in the CCI manual, and then retry the operation. If the error occurs again, see the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured.
RPM-20026	Acquisition of the status of the copy group failed.	*Cause* An attempt to obtain the status of a copy group pair failed while performing a backup or restoration. *Action* If the instance to be backed up is stopped, start the instance. See the Replication Manager manual, and make sure Replication Manager Application Agent is properly configured.
RPM-20027	Multiple logical drive exist on one physical drive.	*Cause* A backup cannot be performed because the physical drive contains multiple logical drives, one of which corresponds to the mount point directory of the backup. *Action* Change the volume configuration by using a logical volume manager.
RPM-20028	The specified file or directory does not exist on the RAID device.	*Cause* The path of a file or directory specified for the backup does not exist on any RAID devices. *Action* Specify a path that exists on a RAID device, and then retry the operation.
RPM-20031	Multiple mount points exist in the same copy group.	*Cause* A backup cannot be performed because the physical drive contains

Message ID	Message Text	Description
		multiple logical drives, one of which corresponds to the mount point directory of the backup. *Action* Use a logical volume manager to change the volume configuration to a configuration that can be backed up.
RPM-20032	The specified file or directory is not backed up.	*Cause* The specified file or directory has not been backed up. *Action* Check the backed up file or directory, specify the correct path name, and then re-execute the restore operation.
RPM-20033	The path of the specified file or directory is invalid.	*Cause* The path of the specified file or directory is invalid. *Action* Check the backed up file or directory, specify the correct path name, and then re-execute the restore operation.
RPM-20035	Primary volumes and secondary volumes exist in the same logical disk group.	*Cause* A logical disk group contains both primary and secondary volumes. This type of volume configuration cannot be backed up or restored. *Action* Place the primary volumes and secondary volumes in separate disk groups, and then re-execute the operation.
RPM-20036	The specified backup object cannot identify one or more secondary volumes targeted for backup.	*Cause* A copy group could not be identified during a backup. *Action* Using CCI, correctly define the copy group, and then retry the operation.
RPM-20037	The name of the specified mount point directory exceeds 255 characters.	*Cause* The name of the specified mount point directory exceeds 255 characters. *Action* Specify a mount point directory that is 255 characters or less.
RPM-20038	The name of the specified disk group exceeds 28 characters.	*Cause* The name of the specified disk group exceeded 28 characters.

Message ID	Message Text	Description
		Action For a disk group name, specify 28 characters or less.
RPM-20039	The secondary volumes to be processed are already mounted.	*Cause* Some information does not match between the Replication Manager server and Replication Manager Application Agent. *Action* Update host information, and then retry the operation.
RPM-20040	The cluster resource could not be placed offline.	*Cause* In a cluster environment, a cluster resource could not be placed offline. *Action* Check whether there is a problem with the cluster software.
RPM-20041	The cluster resource could not be placed online.	*Cause* In a cluster environment, a cluster resource could not be placed offline. *Action* Check whether there is a problem with the cluster software.
RPM-20042	An attempt to execute chkdsk on a primary volume failed.	*Cause* In a cluster environment, an attempt to execute the `chkdsk` operation on the primary volumes has failed. *Action* See the system log, and check whether a problem has occurred.
RPM-20043	Acquisition of cluster information failed.	*Cause* An attempt to check whether the specified mount point exists on a cluster server failed. *Action* Check whether there is a problem with the cluster software.
RPM-20045	Cluster volumes and a non-cluster volumes exist in the same logical disk group.	*Cause* A logical disk group contains both cluster volumes and non-cluster volumes. A resynchronize restoration cannot be performed in this configuration. *Action*

Message ID	Message Text	Description
		Unify all of the volumes in the logical disk group as either cluster volumes or non-cluster volumes, and then retry the operation.
RPM-20047	An attempt to perform the resynchronize restore failed.	*Cause* The files to be restored are insufficient. *Action* Add restoration targets so that all files are subject to restoration.
RPM-20049	An attempt to synchronize the file system failed.	*Cause* This might be due to the following: If the RPM-20302 message is displayed at the same time, an attempt to obtain the volume name based on the mount point name has failed. If the RPM-20303 message is displayed at the same time, an attempt to flush the relay buffer for the file system has failed. If the RPM-20304 message is displayed at the same time, an attempt to open the logical volume for performing a flush has failed. *Action* Check the system logs, and make sure that no abnormal messages are output for the target file system. If the problem persists, contact the Support Center.
RPM-20050	The specified mount point is already mounted.	*Cause* A resynchronization or restoration is being performed for a cluster directory that was mounted manually. *Action* Unmount the mount point that is the restoration target.
RPM-20052	An attempt to start CCI / RAID Manager failed.	*Cause* An attempt to start CCI has failed. *Action* Check the settings for the RAID management software. If the settings are correct, check the log information for the RAID management software, and make sure that there are no problems. If the problem cannot be determined, contact the Support Center.

Message ID	Message Text	Description
RPM-20053	An attempt to stop CCI / RAID Manager failed.	*Cause* An attempt to stop CCI has failed. *Action* Check the settings for the RAID management software. If the settings are correct, check the log information for the RAID management software, and make sure that there are no problems. If the problem cannot be determined, contact the Support Center.
RPM-20054	The path configuration for the primary volume(s) and secondary volume(s) is invalid.	*Cause* Many secondary volume physical paths have been set for the primary volume, for a multi-path configuration. *Action* Set the number of secondary volume physical paths to be less than or equal to the number of primary volume physical paths set.
RPM-20055	An attempt to restore the volume group information failed.	*Cause* An attempt to recover volume group information has failed. *Action* Re-register the volume group information on the backup server.
RPM-20058	The system detected the same copy group(s).	*Cause* The same copy group is specified in the CCI configuration definition file, on different instances. *Action* Make sure that CCI copy group names are unique. If they overlap, change the CCI settings so that the copy group names are unique, and then restart.
RPM-20059	An error occurred during the processing of a file related to the RAID Manager instance used by Replication Manager Application Agent.	*Cause* A product was not properly installed on a Windows system, or the files related to CCI and used by Replication Manager Application Agent do not exist, or contain invalid contents. *Action* Make sure that the files related to CCI and used by Replication Manager Application Agent exist. If the files do not exist, uninstall and then re-install Replication Manager Application Agent. If the files exist, make sure that their

Message ID	Message Text	Description
		contents are valid, and then retry the operation. If the problem cannot be resolved, contact the Support Center.
RPM-20061	The target copy group is managed by different CCI / RAID Manager instance.	*Cause* The target copy group is managed by a different instance. *Action* The target copy group needs to be managed by a single instance of CCI. Make sure that the CCI settings are correct, and set for the correct instance, and then execute the command again.
RPM-20062	Two or more logical drives exist under the target mount point.	*Cause* A directory within the target mount point contains a mount point corresponding to another logical drive. *Action* Processing cannot continue, because a directory within the mount point of the processing target contains a mount point corresponding to another logical drive. Check the volume configuration.
RPM-20063	A secondary volume is being managed by the primary volume's host.	*Cause* Both the primary volume and secondary volume of a copy group are managed as volumes on the host on which the command was executed. *Action* Processing cannot continue, because both the primary volume and secondary volume of a copy group are managed as volumes on the host on which the command was executed.
RPM-20064	Two or more mount points exist on one physical drive.	*Cause* The physical drive mounted to the target mount point is mounted to another mount point. *Action* Processing cannot continue, because another mount point exists in the volume mounted to the mount point of the processing target. Check the volume configuration.
RPM-20065	The target volume's LDEV number or serial number does not match the current configuration.	*Cause* The LDEV number or serial number of the processing target volume, as registered as backup information, is

Message ID	Message Text	Description
		not consistent with the current configuration. *Action* Processing cannot continue, because the LDEV number or serial number of the processing target volume, which was registered as backup information, is not consistent with the current configuration. Make sure that the volume configuration has not changed since backup. Check the volume configuration during backup, and use the CCI commands to check the current volume configuration.
RPM-20066	The character string of the target mount point exceeds the maximum number of characters.	*Cause* The name for the mount point directory to be processed exceeds the maximum length. *Action* Processing cannot continue, because the name for the mount point directory to be processed exceeds the maximum length. Check the length of the string for the mount point directory name.
RPM-20067	The name of the target logical volume is too long.	*Cause* The name of the logical volume to be processed is too long. *Action* Processing cannot continue, because the name of the logical volume to be processed exceeds the maximum length. Check the length of the string for the logical volume name.
RPM-20069	Acquisition of copy group information failed.	*Cause* An attempt to acquire copy group information by using RAID management software failed. *Action* Check the RAID management software settings. If the settings are correct, see the RAID management software log information, and check whether there is a problem. If no problem exists, contact the Support Center.
RPM-20070	A copy group for which a pair was not generated was specified.	*Cause* A copy group with the Simplex pair status was backed up or resynchronized when a file used by

Message ID	Message Text	Description
		Replication Manager Application Agent was updated. *Action* Perform pair generation for the target copy group, and then update the host information.
RPM-20071	The pair status has been changed to SIMPLEX.	*Cause* A copy group with the Simplex pair status was backed up or restored without an appropriate parameter specified for a file used by Replication Manager Application Agent. *Action* Either delete the definition of the target pair logical volumes from the CCI configuration definition file and files used by Replication Manager Application Agent, or specify the `PAIR_CREATE=ENABLE` parameter in the configuration definition file and files used by Replication Manager Application Agent.
RPM-20073	The volume replication function of the specified copy group is not supported.	*Cause* A paired volume (a copy group) with an unsupported copy type has been specified in a command. *Action* The specified copy group uses an unsupported volume replication function. A paired volume with a copy type of Hi-Copy / Cross-system copy cannot be specified in a command. Check the copy type of the copy group.
RPM-20074	The target volume is protected.	*Cause* A command is executing for a protected target volume. *Action* Check the volume access attribute of the RAID management software, change the access permissions, and then re-execute the command.
RPM-20075	The target copy group was not found.	*Cause* The target copy group does not exist in the current configuration. *Action* • If VSS is being used, check the instance number set for the `VSHTCHORCMINST_REMOTE` system environment variable.

Message ID	Message Text	Description
		• Make sure the target copy group is defined in the CCI configuration definition file (`horcm`*n*`.conf`). • Make sure that the instance number has been defined for the CCI configuration definition file (`horcm`*n*`.conf`) that contains the copy group specified in the `HORCMINST` parameter in the CCI linkage definition file (`DEFAULT.dat`).
RPM-20076	An error occurred during operation of RAID management software.	*Cause* An error occurred while a CCI command was being executed. *Action* Check the RAID management software settings. If the settings are correct, see the RAID management software log information, and check whether a problem has occurred.
RPM-20077	The RAID management software has not been started.	*Cause* The target CCI instance is stopped. *Action* Check the RAID management software settings. If the settings are correct, see the RAID management software log information, and check whether a problem has occurred.
RPM-20080	The volume to be processed as the primary volume is the secondary volume.	*Cause* The local volume of the processing target copy group was changed to the secondary volume when a file used by Replication Manager Application Agent was updated. *Action* Change the local volume to the primary volume.
RPM-20082	The specified Target Generation name is invalid.	*Cause* There is no copy group with the specified target generation name (generation ID). *Action* Check the target generation name (generation ID), and then retry the operation.
RPM-20083	An error occurred during preparatory processing that is required for linkage with RAID management software.	*Cause* An error occurred during load processing for a file used by Replication Manager Application Agent.

Message ID	Message Text	Description
		Action Perform one of the following: 1. If this message is output at the same time as the RPM-15100 message, make sure that none of the files used by Replication Manager Application Agent are missing. 2. If this message is output at the same time as the RPM-15102 message, check the contents of the related files used by Replication Manager Application Agent, specify the `output` parameters, and execute the command again.
RPM-20084	An error occurred during copy group selection.	*Cause* An error occurred for copy group selection during backup. *Action* Resolve the cause of the error according to the countermeasures for the previously output message, and then execute the command again.
RPM-20085	An internal error occurred while processing the file used by Replication Manager Application Agent.	*Cause* An attempt to load a file used by Replication Manager Application Agent has failed, or the file is corrupted or has been altered. *Action* Re-install Replication Manager Application Agent. If recovery is not performed, check the contents given for troubleshooting in the product manual, collect the appropriate materials, and then contact the Support Center.
RPM-20086	Failed to read the registry in order to acquire information on the software to be linked.	*Cause* An attempt to load a registry for obtaining linked software information has failed. *Action* Make sure that the linked software product is installed correctly. Re-install the OS if any problems are found with the registry.
RPM-20087	Detected multiple installation paths for the software to be linked.	*Cause* Multiple installation paths of different versions were found for the linked software.

Message ID	Message Text	Description
		Action A product with a different version might have been installed for the linked software. Check the currently installed product, and if multiple versions exist, uninstall the unused versions. Re-install the OS if any problems are found in the registry.
RPM-20088	An attempt to deport the disk group has failed.	*Cause* An attempt to deport a disk group created by the logical volume manager has failed. *Action* Use the logical volume manager to check the status of the disk group. If the disk group status cannot be confirmed to be normal, re-create the disk group. Once the disk group malfunction has been resolved, use the logical volume manager to import the disk group, and mount the logical volume again. When this is displayed during backup or restoration, and VERITAS Cluster Server for Windows is used as the cluster product, make sure that the cluster information does not contain any errors.
RPM-20089	An attempt to import the disk group has failed.	*Cause* An attempt to import a disk group created by the logical volume manager has failed. *Action* Use the logical volume manager to check the status of the disk group. If the disk group status cannot be confirmed to be normal, re-create the disk group. Once the disk group malfunction has been resolved, use the logical volume manager to import the disk group, and mount the logical volume again.
RPM-20090	An attempt to acquire the logical volume from the physical drive has failed.	*Cause* An attempt to obtain logical volume information has failed. *Action* Use the logical volume manager to check that the logical volume is defined properly on the physical drive. If the logical volume cannot be confirmed to be normal, delete, re-

Message ID	Message Text	Description
		create, and then mount the logical volume.
RPM-20091	An attempt to rescan the physical drive has failed.	*Cause* An attempt to rescan for physical drive information has failed. *Action* Make sure that Veritas Volume Manager or Logical Device Manager is running properly. If it cannot be confirmed to be running properly, re-install Veritas Volume Manager or the Windows OS.
RPM-20097	An attempt to execute the "diskpart" operation has failed.	*Cause* The `diskpart` command has failed. *Action* Check the system logs, resolve the cause of `diskpart` failure, and then retry the operation.
RPM-20098	No specified copy group exists in the current configuration.	*Cause* A copy group from replica creation did not exist during restoration. *Action* Check the detailed message output after this message, and act accordingly.
RPM-20099	An optional generation of the copy group cannot be specified.	*Cause* No available copy group exists, because the copy groups are locked. *Action* Check the detailed message output after this message, and act accordingly.
RPM-20100	The maximum number of files that the OS can open at one time was exceeded.	*Cause* The maximum number of files that can be opened on a system has been reached. *Action* Redefine the OS kernel parameter, and increase the number of files that can be opened by the system.
RPM-20101	The file used by Replication Manager Application Agent is corrupted.	*Cause* A file used by Replication Manager Application Agent has been damaged. *Action* Update the host information, and then retry the operation.

Message ID	Message Text	Description
RPM-20102	The target record is locked.	*Cause* A record could not be updated during database update, because it was locked. *Action* Wait a while, and then retry the operation. If the error persists after re-execution, contact the Support Center.
RPM-20103	The target file is locked.	*Cause* A file could not be updated during dictionary map file update, because it was locked. *Action* Wait a while, and then retry the operation. If the error persists after re-execution, contact the Support Center.
RPM-20104	No target record exists.	*Cause* A target record could not be viewed, because it does not exist. *Action* Make sure that the correct value is specified for the Application Agent setting. If the information is correct, update the host information. If the error persists after re-execution, contact the Support Center.
RPM-20105	Memory is insufficient.	*Cause* Memory was insufficient when the operation was executed. *Action* Increase the amount of memory, and execute the command again.
RPM-20106	An internal error occurred.	*Cause* An unknown internal error occurred while internal processing was executing, when a system call was used. *Action* Check the troubleshooting items given in the product manual, collect the appropriate materials, and then contact the Support Center. The product needs to be uninstalled and then re-installed for recovery.

Message ID	Message Text	Description
RPM-20107	The file used by Replication Manager Application Agent is already exists.	*Cause* A file is already being used by Replication Manager Application Agent. *Action* Update the host information. If the error persists after re-execution, contact the Support Center.
RPM-20108	The file used by Replication Manager Application Agent cannot be found.	*Cause* A file used by Replication Manager Application Agent does not exist. *Action* Make sure that the correct value is specified for the Application Agent setting, and complete the settings. If this error occurred while Application Agent was being added, set up Application Agent. If the error persists after re-execution, contact the Support Center.
RPM-20109	Drive capacity is insufficient.	*Cause* Drive capacity was insufficient when the operation was executed. *Action* Secure more drive capacity, and then retry the operation.
RPM-20110	You do not have access permission.	*Cause* A general user or a user without the proper permissions attempted to perform an operation. *Action* Check the permissions, and then retry the operation.
RPM-20111	The specified copy group is already locked.	*Cause* The copy group specified to be locked was already locked. *Action* No action is required.
RPM-20112	The specified copy group is not locked.	*Cause* An attempt was made to unlock a copy group that was not locked. *Action* No action is required.
RPM-20113	No usable copy group exists.	*Cause*

Message ID	Message Text	Description
		No usable copy groups existed during backup, because all copy groups were locked. *Action* Unlock a copy group, and then execute the backup command again.
RPM-20114	A system error occurred during operation on a temporary file.	*Cause* A system error occurred during an operation on a temporary file executed by a command. *Action* Make sure that there is enough free memory and unused drive capacity. If there is enough, see the system log, and make sure there are no problems with the OS. If you cannot identify the cause of the error, contact the Support Center.
RPM-20115	The replica data is already locked.	*Cause* An attempt was made to create a replica for a locked copy group. *Action* Before creating a replica or acquiring replica information, unlock the copy group to be replicated.
RPM-20116	The file used by the Replication Manager Application Agent is invalid, but you do not have the permissions to restore it.	*Cause* A file used by Replication Manager Application Agent is corrupted for some reason. An attempt to recover the file failed because the operation was performed with general user permissions, which do not contain the permissions necessary to perform the operation. *Action* Grant system administrator permissions to the user who manages Replication Manager Application Agent services, and then retry the operation.
RPM-20118	The version of the file used by Replication Manager Application Agent is incorrect.	*Cause* The version of a file used by Replication Manager Application Agent was different when Replication Manager Application Agent was upgraded. *Action* Configure Application Agent.
RPM-20119	The virtual server name in the file used by Replication	*Cause* A virtual server name is invalid.

Message ID	Message Text	Description
	Manager Application Agent is invalid.	*Action* Check the configuration, and change the virtual server name from the Edit Application Agent dialog box as necessary. If the problem cannot be resolved, contact the Support Center.
RPM-20120	The virtual server name used by the Replication Manager Application Agent is too long.	*Cause* A virtual server name is too long. *Action* Replication Manager Application Agent supports virtual server names no more than 63 characters. Reduce the length of the virtual server name to no more than 63 characters.
RPM-20121	The specified directory name of the file used by Replication Manager Application Agent is invalid.	*Cause* The directory name of a file used by Replication Manager Application Agent is invalid. *Action* Contact the Support Center.
RPM-20122	The specified copy group is a "remote copy" type, so it is not subject to processing.	*Cause* The specified copy group is a remote copy, and not subject to processing. *Action* Contact the Support Center.
RPM-20123	Data conversion is unnecessary, because the file used is the latest version.	*Cause* Data does not need to be converted, because the dictionary map file is of the latest version. *Action* Contact the Support Center.
RPM-20124	A contradiction was detected in the file used by Replication Manager Application Agent.	*Cause* An operation for the dictionary map file has failed, because the contents of the dictionary map file are invalid. *Action* Contact the Support Center.
RPM-20125	An unexpected error occurred in the processing of the file used by Replication Manager Application Agent.	*Cause* An unexpected error occurred during processing of a file used by Replication Manager Application Agent. *Action* Contact the Support Center.

Message ID	Message Text	Description
RPM-20126	A system error occurred during operation of the file used by Replication Manager Application Agent.	*Cause* A system error occurred during processing of a file used by Replication Manager Application Agent. *Action* Resolve the cause of the system error based on the output OS error code, and then retry the operation. For details on the contents, causes, and countermeasures for the system error, see the appropriate OS documentation. If the problem cannot be resolved, contact the Support Center.
RPM-20300	An optional copy group is not defined.	*Cause* A copy group has not been defined in a volume belonging to the selected storage group, or defined only with an unsupported copy type. *Action* Define the copy group, and then retry the operation.
RPM-20301	The number of generations of the replica destination is different.	*Cause* The number of replica generations does not match. *Action* Check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly.
RPM-20302	An attempt to acquire volume name has failed.	*Cause* An attempt to obtain a volume name has failed. *Action* If the KAVX0272-E message is not output, check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly. If the KAVX0272-E message is output, check whether any messages indicating a problem were output to the backup server event logs, resolve the cause of failure, and execute the command again.
RPM-20303	An attempt at flush of the middle buffer of the file system has failed.	*Cause* An attempt to flush the file system relay buffer has failed. *Action*

Message ID	Message Text	Description
		Check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly.
RPM-20304	An attempt to open a file has failed.	*Cause* An attempt to open a file has failed. *Action* Check the detailed message subsequently output with the cause of the KAVX0006-E message, and act accordingly.
RPM-20305	The mount point is different.	*Cause* The mount point has changed. The information might not be up to date. *Action* Update the host information. If the problem is still not resolved, contact the Support Center.
RPM-20306	The number of physical drives is different.	*Cause* The number of physical drives to be restored is different between the replica catalog information and the current configuration. The information might not be up to date. *Action* Update the host information. If the problem is still not resolved, contact the Support Center.
RPM-20307	The number of volumes is different.	*Cause* The volume count has changed. The information might not be up to date. *Action* Update the host information. If the problem is still not resolved, contact the Support Center.
RPM-20308	An error occurred in an operation related to extended maintenance mode.	*Cause* An error occurred during an operation related to the extended maintenance mode. *Action* Check the following: • The patch for using the MSCS extended maintenance mode is installed. • The target disk resource is in the online status. • The host node owns the target disk resource.

Message ID	Message Text	Description
		If no problems exist, check the table name, processing, and error code output at the same time, collect the appropriate materials, and then contact the Support Center.
RPM-20309	The target disk resource is not online.	*Cause* The target disk resource is not online. *Action* Make sure that the disk resource to be used is online. If the disk resource is not online, place the disk resource online, and then retry the operation. If this error occurs even when the target resource is not online, check the table name, processing, and error code output at the same time, collect the appropriate materials, and then contact the Support Center.
RPM-20310	A timeout occurred while waiting for the disk resource status to change.	*Cause* A timeout occurred waiting for the status of the target disk resource to change. *Action* Contact the Support Center.
RPM-20311	This version of Windows does not support partial restoration of cluster resources that are in an online state.	*Cause* The version of the server OS is not supported. *Action* Windows Server 2003 or Windows Server 2008 is needed to perform partial restoration of an online cluster resource.
RPM-20312	An attempt to acquire OS version information has failed.	*Cause* OS version information could not be obtained. *Action* Wait a while, update the host information, and then retry the operation. If the problem persists, contact the Support Center.
RPM-20313	An attempt to re-set signature and volume layout information on the physical drive has failed.	*Cause* An attempt to reset signature and volume layout information on the physical drive has failed. *Action*

Message ID	Message Text	Description
		Make sure that the physical drive is supported by Replication Manager Application Agent. If the drive is not supported by Replication Manager Application Agent, check the system logs, make sure that no messages indicating a problem on the physical drive are output, and resolve the cause of failure.
RPM-20314	An attempt to acquire signature and volume layout information from the physical drive has failed.	*Cause* An attempt to obtain signature and volume layout information from the physical drive has failed. *Action* Make sure that the target physical drive is supported by Replication Manager Application Agent. If the drive is not supported by Replication Manager Application Agent, check the system logs, make sure that no messages indicating a problem on the target volume are output, and resolve the cause of failure.
RPM-20315	The status of the secondary volume is invalid.	*Cause* The status of the secondary volume was checked, and found to have one of the following anomalies: 1. If the RPM-15146 message was output at the same time: The target secondary volume is mounted on the backup server. 2. If the RPM-15147 message was output at the same time: The secondary volume is not hidden. 3. If the RPM-15151 message was output at the same time: The pair status is invalid. The secondary volume of the output pair is the primary volume of another pair. *Action* The target method differs depending on the message displayed at the same time. 1. If the RPM-15146 message is displayed at the same time: Unmount the corresponding volume from the backup server, and then retry the operation.

Message ID	Message Text	Description
		2. If the RPM-15147 message is displayed at the same time: If the corresponding volume is mounted on the backup server, unmount it. After that, use the replica option in the Application Agent settings to hide the volume. This will hide the backup server volume. Once this is done, try again. 3. If the RPM-15151 message is displayed at the same time: Use the displayed MU number to identify the secondary volume pair, and split the pair.
RPM-20316	An attempt to acquire the physical drive information from the logical volume has failed.	*Cause* An attempt to use the OS API to obtain information about the physical drive on which the logical volume has failed. *Action* Check the system logs to confirm whether any messages indicating a problem related to the target physical drive were output, and resolve the cause of failure.
RPM-20317	An error occurred in the Replication Manager Application Agent service.	*Cause* An error occurred for the Replication Manager Application Agent service during processing on the backup server. *Action* Resolve the issue according to the countermeasures in the error message output at the same time, and then retry the operation.
RPM-20318	An attempt to connect to the Replication Manager Application Agent service has failed.	*Cause* An error occurred during communication processing for the Replication Manager Application Agent service. *Action* Resolve the issue according to the countermeasures in the error message output at the same time, and then retry the operation.

Message ID	Message Text	Description
RPM-20319	Replication Manager Application Agent Environment setting failed.	*Cause* An attempt to set environment variables in Replication Manager Application Agent has failed. *Action* Make sure that sufficient memory and drive capacity exist. If they do exist, check the system logs to see whether any problems exist with the OS. If no problems exist, contact the Support Center.
RPM-20320	The mount operation of the backup server ended with an error.	*Cause* A backup server mount operation terminated with an error. *Action* Make sure that the mount path name is specified correctly. If the correct path name is specified, check the system logs on the backup server to see whether a problem exists. If no problems exist, contact the Support Center.
RPM-20321	The operation was not performed because the replica information of the backup server was locked.	*Cause* An attempt to automatically import replica history has failed, because the backup server replica was already locked. *Action* Check the following and act accordingly: If another operation is being executed on the backup server, wait a while, and then retry the operation. If the backup server replica is locked, unlock it, and then retry the operation.
RPM-20328	An attempt to acquire physical drive information from a copy group has failed.	*Cause* An error occurred for processing to obtain the physical drive name from a copy group. *Action* Check the CCI settings. If the settings are correct, check the CCI log information, and make sure that no issues exist.
RPM-20329	A physical drive could not be placed offline.	*Cause* An error occurred during processing to place the physical drive offline. *Action*

Message ID	Message Text	Description
		Check the system logs to see whether messages indicating a problem related to the target physical drive have been output, and resolve the cause of failure.
RPM-20330	A physical drive could not be placed online.	*Cause* An error occurred during processing to place the physical drive online. *Action* Check the system logs to see whether messages indicating a problem related to the target physical drive have been output, and resolve the cause of failure.
RPM-20337	The current physical drive partition style differs from the one that was replicated.	*Cause* The partition style of the drive to be restored is different from that during backup. *Action* Unite the drive partition style with that used during backup, and then perform a restoration again.
RPM-20405	The file name is too long.	*Cause* The path name specified as a backup target exceeds 1,024 half-width characters. *Action* Path names of 1,025 characters or more cannot be specified. Specify a correct file name with 1,024 characters or fewer.
RPM-20406	The process has reached the maximum number of files that can be opened.	*Cause* The maximum number of files that can be opened by one process has been reached. *Action* Redefine the kernel parameter, and increase the number of files that can be opened by a process.
RPM-20407	The number of open files in the entire system has reached the maximum allowed limit.	*Cause* The maximum number of files that can be opened on a system has been reached. *Action* Redefine the kernel parameter, and increase the number of files that can be opened by the system.

Message ID	Message Text	Description
RPM-20408	An attempt to access a file failed.	*Cause* An invalid file or directory name was specified when backup or restoration processing was performed, preventing access to the target path name. *Action* Make sure that the path name for the backup or restoration target is specified correctly. If a correct path name is specified, check the Replication Manager Application Agent trace log file and system logs for any anomalies. If the problem persists, contact the Support Center.
RPM-20409	An attempt to generate a process failed.	*Cause* An attempt to spawn an internal process failed when the Replication Manager Application Agent function was executed. *Action* Make sure that sufficient memory and drive capacity exist. If they do exist, check the system logs to see whether any problems exist with the OS. If the problem persists, contact the Support Center.
RPM-20418	The required item *Item name* is not specified.	*Cause* A required item is missing from the agent user script. *Action* Specify the required items in the agent user script file.
RPM-20419	Line *Line - number*: The required item "*Item name*" is not specified in the command definition section.	*Cause* A required item is missing from the command definition section in the agent user script. *Action* Specify the required items in the agent user script file.
RPM-20420	Line *Line - number*: The value of item "*Item name*" is not specified.	*Cause* An item in the agent user script has no value specified. *Action* Set the value on the corresponding line in the agent user script file.
RPM-20421	Line *Line - number*: The specified value cannot be used for item "*Item name*".	*Cause* A prohibited keyword is used as an item value in the agent user script.

Message ID	Message Text	Description
		Action See the manual for values that can be used, and fix the value on the corresponding line in the agent user script file.
RPM-20422	Line *Line - number*: The character length of the specified value exceeded the limit for item "*Item name*". The limit is *Number of maximum characters* characters.	*Cause* The value of an item in the agent user script file is too long. *Action* Edit the agent user script file so that the number of characters in the value on the corresponding line is less than or equal to the maximum.
RPM-20423	Line *Line - number*: The specified value is not an integer or is outside the range from *Minimum value* to *Maximum value*.	*Cause* The value of an item in the agent user script file is out of range. *Action* Edit the contents of the agent user script file so that the value on the corresponding line is an integer within the displayed range.
RPM-20424	Line *Line - number*: Item "*Item name*" cannot be specified more than once in the same file.	*Cause* An item that must be unique appears multiple times in the agent user script file. *Action* Edit the agent user script file so that the item on the corresponding line does not occur more than once.
RPM-20425	Line *Line - number*: Item "*Item name*" cannot be specified more than once in the same command definition section.	*Cause* An item that must be unique appears multiple times in the agent user script. *Action* Edit the agent user script so that the item on the corresponding line does not occur more than once.
RPM-20426	Line *Line - number*: The item name or section name is invalid.	*Cause* The name of an item or section specified in the agent user script is invalid. *Action* See the manual for item names that can be specified, and fix the corresponding line in the agent user script.
RPM-20427	Line *Line - number*: Item "*Item name*" cannot be specified	*Cause*

Message ID	Message Text	Description
	outside the user processing section.	An item that is not allowed to be specified before the user processing section in the agent user script is specified before the user processing section. *Action* Fix the contents of the agent user script so that corresponding line falls within the user processing section.
RPM-20428	Line *Line - number*: Item "*Item name*" cannot be specified outside the command definition section.	*Cause* An item that is not allowed to be specified outside the command definition section in the agent user script is specified outside the command definition section. *Action* Fix the contents of the agent user script so that corresponding line falls within the command definition section.
RPM-20429	Line *Line - number*: Item "*Item name*" cannot be specified inside the user processing section.	*Cause* An item that is not allowed to be specified within the user processing section in the agent user script is specified before the user processing section. *Action* Fix the contents of the agent user script so that corresponding line falls outside the user processing section.
RPM-20430	Line *Line - number*: The size of the specified line exceeds the limit. The limit is *Number of maximum bytes* bytes.	*Cause* The number of bytes in a line in the agent user script exceeds the maximum. *Action* Fix the contents of the agent user script so that the number of bytes in the corresponding line is less than or equal to the maximum.
RPM-20431	The Agent User Script is too large.	*Cause* Processing cannot be performed because the agent user script is too large. *Action* Reduce the contents in the agent user script.
RPM-20432	Line *Line - number*, column *Column number*: An invalid character was detected.	*Cause* The agent user script contains an invalid character code (a character

Message ID	Message Text	Description
		less than 0x20, other than a carriage return or tab). *Action* Fix the contents of the agent user script so that the invalid character is removed.
RPM-20433	An internal error occurred in the Agent User Script processing.	*Cause* An internal error occurred for agent user script processing. *Action* Contact the Support Center.
RPM-20434	An error occurred in VSS.	*Cause* An error occurred for VSS. *Action* Make sure that the startup type for Volume Shadow Copy service is not disabled. If the startup type for VSS is disabled, revert the startup type to manual, and then retry the operation. If the startup type is manual, collect the appropriate materials, and then contact the Support Center.
RPM-20435	An error occurred in Virtual Disk Service.	*Cause* An error occurred in Virtual Disk Service. *Action* Make sure that the startup type for the Virtual Disk Service service is not disabled. If the startup type for the Virtual Disk Service service is disabled, revert the startup type to manual, and try again. If the error occurs again, relaunch the Virtual Disk Service service, and then re-execute the command. After re-executing the command, if the error occurs once again, collect the appropriate materials by referring to the troubleshooting explanation in the *Hitachi Command Suite Replication Manager Application Agent CLI User Guide*, and then contact customer support.
RPM-20436	Line *Line - number*: The format of the value is invalid.	*Cause* The format of a value is invalid. This might be due to the following:

Message ID	Message Text	Description
		The specified format of the ENV setting is invalid (it contains no half-width equals sign, or no environment variable name is specified). *Action* Fix the value of the corresponding line so that its format is valid.
RPM-21010	An internal error occurred.	*Cause* An internal error occurred. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.
RPM-21011	The error was detected during execution of an SQL statement.	*Cause* An error was returned from SQL Server while an SQL statement was being executed. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.
RPM-21012	An error was detected during the processing to log on to SQL Server.	*Cause* An unexpected error occurred while processing a logon to SQL Server. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.
RPM-21014	An error was detected during the processing to log off from the SQL Server.	*Cause* An unexpected error occurred while processing a logoff from SQL Server. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.

Message ID	Message Text	Description
RPM-21016	An attempt to open a metafile failed.	*Cause* An attempt to open a VDI metafile failed. *Action* Make sure that you have access permissions for the VDI metafile.
RPM-21017	A timeout error occurred.	*Cause* A timeout occurred. *Action* Make sure that SQL Server is in an appropriate status, and then retry the operation. If the same message reappears, check the value for the VDI metafile creation timeout in the Application Agent settings, and change it if necessary.
RPM-21018	The user lacks appropriate permission to execute SQL statements.	*Cause* The user who manages Replication Manager Application Agent does not have permissions for executing SQL statements. *Action* Grant permissions for executing SQL statements to the user who manages Replication Manager Application Agent.
RPM-21019	An attempt to start SQL Server has failed.	*Cause* An attempt to start SQL Server has failed. *Action* Eliminate the cause of the error by referencing the Windows event log. If the problem is not resolved, collect the necessary data by referencing the troubleshooting explanation in the *Hitachi Command Suite Replication Manager Configuration Guide*, and then contact the Support Center.
RPM-21020	An attempt to operate the virtual device interface has failed.	*Cause* An attempt to operate a virtual device has failed. *Action* Eliminate the cause of the error by referencing the Windows event log. If the problem is not resolved, collect the necessary data by referencing the troubleshooting explanation in the *Hitachi Command Suite Replication Manager Configuration Guide*, and then contact the Support Center.

Message ID	Message Text	Description
RPM-21021	An attempt to gather information from SQL Server has failed.	*Cause* An attempt to collect information from SQL Server has failed. *Action* A message was returned from SQL Server while the SQL statement was being executed. Eliminate the cause of the error by referencing the SQL Server documentation. For example, a database whose name uses multibyte characters of 3 or more bytes for one character might exist in the SQL Server instance. If necessary, collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.
RPM-21022	An attempt to allocate the object and check the structural consistency has failed.	*Cause* An attempt to check the allocation and structural consistency of an object in SQL Server has failed. *Action* A message was returned from SQL Server while the SQL statement was being executed. Eliminate the cause of the error by referencing the SQL Server documentation. If necessary, collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.
RPM-21103	The specified database is suspect.	*Cause* The SQL database is in a status in which recovery is unavailable. *Action* Make sure that the target SQL database is in an appropriate status, and then retry the operation.
RPM-21113	The DATABASEPROPERTY function detected an invalid return code.	*Cause* An invalid value was detected while the status of the SQL database was being acquired. *Action* Collect the SQL Server error log and the Windows event log, and check the status of the OS and SQL Server. If no abnormality is found in the OS or SQL Server, contact the Support Center.

Message ID	Message Text	Description
RPM-21500	Exchange Server information could not be acquired.	*Cause* The obtained Exchange Server settings information is invalid. *Action* Make sure that the services required to start Exchange Server are running, and check the Exchange settings.
RPM-21501	The system has been returned to pre-failure status.	*Cause* The status has been reverted to that before the operation was performed, because restoration processing has failed. *Action* Resolve the cause of the error, and then retry the operation.
RPM-21502	Mounting cannot take place, since a database inconsistency exists.	*Cause* The database contains an inconsistency, because an attempt to perform restoration processing failed. *Action* Resolve the cause of the error, and then retry the operation.
RPM-21503	An attempt to execute the operation has failed.	*Cause* An error occurred during a database consistency check. *Action* Resolve the cause of the error, and then retry the operation.
RPM-21504	An internal error occurred.	*Cause* An unknown internal error occurred during internal processing. *Action* If a code and detailed message were displayed with this message, see the Exchange Server manual and resolve the cause of the error. If necessary, collect the Windows event logs, and check the status of the OS and Exchange Server. If the problem is still not resolved, check the troubleshooting items given in the product manual, collect the appropriate materials, and then contact the Support Center.
RPM-21505	An error occurred during the Information Store Service processing.	*Cause* 1. The information store service is not running normally.

Message ID	Message Text	Description
		2. A timeout occurred during a status transition for the information store service. 3. An operation was performed for the information store service from an external source during command execution, causing a change to an unexpected status. 4. The information store service has not started, even though the information store cluster resource is online in a cluster environment. *Action* See the Exchange Server manual, and make sure that the Microsoft Exchange Information Store service is running normally.
RPM-21506	An attempt to start the Information Store Service has failed.	*Cause* An attempt to start the information store service has failed. *Action* See the Exchange Server manual, and make sure that the information store service is running normally.
RPM-21507	An exception occurred with the status of the Information Store Service.	*Cause* An operation was performed for the information store while an operation related to the information store was executing, causing the status to change. Alternatively, the Microsoft Exchange Information Store service has not started, even though a cluster resource in the cluster environment is online. *Action* Do not perform operations for the information store while an operation related to the information store is executing. For a cluster environment, if the information store cluster resource is online, make sure that the Microsoft Exchange Information Store service has started.
RPM-21508	A timeout error occurred.	*Cause* A timeout has occurred. *Action* Check the other message displayed at the same time.

Message ID	Message Text	Description
RPM-21509	The operation returned an error.	*Cause* An error occurred during a database consistency check. *Action* Resolve the cause of the error, and then retry the operation.
RPM-24013	A transaction log error was detected during verification processing.	*Cause* This message is output when a transaction log error is detected during verification. *Action* Using either the Windows event log on the backup server or the information output by executing the `ESEUTIL` command with the `/ml` option on the database server, check for any abnormalities in the transaction logs, resolve any problems, and then re-execute the backup command. The base name specified for the `/ml` option of the `ESEUTIL` command can be confirmed by looking at the KAVX0282-E message output to the standard log (`drm_output.log`) on the backup server. For more information about how to use the `ESEUTIL` command as well as how to troubleshoot problems, see the Exchange Server documentation.
RPM-24100	The information provided for task registration is invalid.	*Cause* Possible causes are as follows: 1. The task registration information passed from the Replication Manager server is invalid. 2. Application Agent has not been set up or has been set up incorrectly. *Action* Take the action below whose number corresponds to the number of the cause given above: 1. Make sure that communication is being performed properly between the Replication Manager server and Replication Manager Application Agent, and then retry the operation. 2. Set up Application Agent.

Message ID	Message Text	Description
RPM-24101	The file used by the Replication Manager Application Agent for scheduled task registration does not exist.	*Cause* A file used by Replication Manager Application Agent for schedule task registration does not exist. *Action* Delete all tasks with names ending in ptm from the Windows task scheduler on the host on which the instance of Replication Manager Application Agent for which this error occurred is installed. After that, update the host information on the Replication Manager server, make sure that all Replica creation tasks for the host have been deleted, and then create the task again.
RPM-24102	The file used by the Replication Manager Application Agent for scheduled task registration is locked indefinitely.	*Cause* A file used by Replication Manager Application Agent for schedule task registration is locked long-term. *Action* Wait a while, and then retry the operation. If the same error occurs again, restart the OS and make sure that the files in the folder in which Replication Manager Application Agent is installed are not locked, and then retry the operation.
RPM-24103	User running Replication Manager Application Agent does not have administrator rights.	*Cause* Replication Manager Application Agent is not executing with Administrator permissions. *Action* Make sure that Replication Manager Application Agent is executing with Administrator permissions, and then retry the operation.
RPM-24104	The file used by the Replication Manager Application Agent for scheduled task registration could not be opened.	*Cause* A file used by Replication Manager Application Agent for schedule task registration cannot be opened. *Action* Wait a while, and then retry the operation. If the same error occurs again, make sure that the correct access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation.

Message ID	Message Text	Description
RPM-24105	The file used by the Replication Manager Application Agent for scheduled task registration could not be written to.	*Cause* Write operations cannot be performed for a file used by Replication Manager Application Agent for schedule task registration. *Action* Wait a while, and then retry the operation. If the same error occurs again, make sure that the correct access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation.
RPM-24106	The file used by the Replication Manager Application Agent for scheduled task registration could not be read.	*Cause* A file used by Replication Manager Application Agent for schedule task registration cannot be read. *Action* Wait a while, and then retry the operation. If the same error occurs again, make sure that the correct access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation.
RPM-24107	Task count exceeds the maximum limit in the file used by Replication Manager Application Agent for scheduled task registration.	*Cause* A task cannot be registered, because the maximum number of tasks that can be registered for a single instance of Replication Manager Application Agent has been reached. *Action* Check the tasks registered to Replication Manager Application Agent, and then reduce the number of tasks registered. After that, retry the operation.
RPM-24108	Task information does not exist in the file used by the Replication Manager Application Agent for scheduled task registration.	*Cause* A file used by Replication Manager Application Agent for schedule task registration contains no task information. *Action* Delete all tasks with names ending in ptm from the Windows task scheduler on the host on which the instance of Replication Manager Application Agent for which this error occurred is installed. After that, update the host information on the Replication

Message ID	Message Text	Description
		Manager server, and then create the task again.
RPM-24109	The path of the file used by the Replication Manager Application Agent for scheduled task registration was not found for the virtual server.	*Cause* The path of a file used by Replication Manager Application Agent for schedule task registration cannot be found on the virtual server. *Action* Make sure that the path is set correctly for the shared data path in the Application Agent settings window, and then retry the operation.
RPM-24110	Part of the file used by the Replication Manager Application Agent for scheduled task registration was deleted.	*Cause* Some files used by Replication Manager Application Agent for schedule task registration have been deleted. *Action* Delete all tasks with names ending in ptm from the Windows task scheduler on the host on which the instance of Replication Manager Application Agent for which this error occurred is installed, and then uninstall and re-install Replication Manager Application Agent.
RPM-24111	The file used by the Replication Manager Application Agent for scheduled task registration is invalid.	*Cause* A file used by Replication Manager Application Agent for schedule task registration is invalid. *Action* Delete all tasks with names ending in ptm from the Windows task scheduler on the host on which the instance of Replication Manager Application Agent for which this error occurred is installed, and then uninstall and re-install Replication Manager Application Agent.
RPM-24112	The file used by the Replication Manager Application Agent for scheduled task registration does not exist.	*Cause* A file used by Replication Manager Application Agent for schedule task registration does not exist. *Action* Delete all tasks with names ending in ptm from the Windows task scheduler on the host on which the instance of Replication Manager Application Agent for which this error occurred is

Message ID	Message Text	Description
		installed. After that, update the host information on the Replication Manager server, make sure that all Replica creation tasks for the host have been deleted, and then create the task again.
RPM-24113	The file used by the Replication Manager Application Agent for scheduled task registration is invalid.	*Cause* A file used by Replication Manager Application Agent for schedule task registration is invalid. *Action* Delete all tasks with names ending in ptm from the Windows task scheduler on the host on which the instance of Replication Manager Application Agent for which this error occurred is installed, and then uninstall and re-install Replication Manager Application Agent.
RPM-24114	Read/Write permission denied.	*Cause* Permissions do not exist to read/write a file used by Replication Manager Application Agent for schedule task registration. *Action* Make sure that the correct access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation.
RPM-24115	The file used by the Replication Manager Application Agent for scheduled task registration does not exist.	*Cause* A file used by Replication Manager Application Agent for schedule task registration does not exist. *Action* Delete all tasks with names ending in ptm from the Windows task scheduler on the host on which the instance of Replication Manager Application Agent for which this error occurred is installed. After that, update the host information on the Replication Manager server, make sure that all replica creation tasks for the host have been deleted, and then create the task again.
RPM-24116	Schedule time greater than the current Replication Manager Application Agent's time.	*Cause* An invalid time is specified for the schedule time. *Action*

Message ID	Message Text	Description
		Specify a valid future time for the schedule time.
RPM-24117	New Task ID cannot be generated.	*Cause* An attempt to generate a new task ID has failed. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24118	Delete ALL operation resulted in partial deletion	*Cause* An attempt to delete some tasks has failed. *Action* Make sure that the tasks to be deleted are not being executed, and then retry the operation.
RPM-24119	Troubleshoot information does not exist.	*Cause* No troubleshooting information exists. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24120	Troubleshoot information is corrupted.	*Cause* The troubleshooting information is damaged. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24121	Directory for the troubleshooting information does not exist.	*Cause* The troubleshooting information directory does not exist. *Action* Uninstall and then re-install Replication Manager Application Agent. After that, retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24122	The troubleshooting information are not removed completely some	*Cause*

Message ID	Message Text	Description
	troubleshooting information are under use.	Some troubleshooting information cannot be deleted, because it is being used. *Action* Restart the Replication Manager Application Agent service, and then retry the operation. If the same error occurs again, restart the host on which Replication Manager Application Agent is installed.
RPM-24123	Unable to read the troubleshooting information.	*Cause* Troubleshooting information cannot be read. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24124	Unable to close the file used by Replication Manager Application Agent.	*Cause* A file used by Replication Manager Application Agent cannot be closed. *Action* Wait a while, and then retry the operation. If the same error occurs again, restart the host on which Replication Manager Application Agent is installed.
RPM-24125	Unable to remove the troubleshooting information.	*Cause* Troubleshooting information cannot be deleted. *Action* Restart the Replication Manager Application Agent service, and then retry the operation. If the same error occurs again, restart the host on which Replication Manager Application Agent is installed.
RPM-24126	Troubleshooting information file path not found for the Virtual server.	*Cause* The file path for virtual server troubleshooting information does not exist. *Action* Make sure that the path is set correctly for the shared data path in the Application Agent settings window, and then retry the operation.

Message ID	Message Text	Description
RPM-24127	Unable to find the troubleshooting information for the specified Task ID.	*Cause* Troubleshooting information does not exist for the specified task ID. *Action* Update the host information, and then retry the operation.
RPM-24128	Troubleshooting information is empty.	*Cause* The troubleshooting information is empty. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24129	The specified task already exist.	*Cause* A task for which creation is being attempted already exists. *Action* Update the host information, make sure that no tasks with the same contents exist, and then retry the operation.
RPM-24130	Accessing of windows registry fails.	*Cause* An attempt to access the registry has failed. *Action* Make sure that Replication Manager Application Agent is executing with Administrator permissions, and then retry the operation.
RPM-24131	Replication Manager Application Agent Task registration failed.	*Cause* An attempt to register a task with Replication Manager Application Agent has failed. *Action* Make sure that the Windows task scheduler is executing, and then retry the operation.
RPM-24132	Replication Manager Application Agent Task registration failed.	*Cause* An attempt to register a task with Replication Manager Application Agent has failed. *Action* Make sure that Replication Manager Application Agent is executing with Administrator permissions, restart the

Message ID	Message Text	Description
		Windows task scheduler, and then retry the operation.
RPM-24133	COM initialization failed.	*Cause* A problem exists with the OS environment. *Action* See the OS manual, and set the environment so that COM is initialized properly.
RPM-24134	Replication Manager Application Agent Task deletion failed.	*Cause* An attempt to update a task in Replication Manager Application Agent has failed. *Action* Make sure that Replication Manager Application Agent is executing with Administrator permissions, restart the Windows task scheduler, and then retry the operation.
RPM-24135	Replication Manager Application Agent Task updation failed.	*Cause* An attempt to update a task in Replication Manager Application Agent has failed. *Action* Make sure that Replication Manager Application Agent is executing with Administrator permissions, restart the Windows task scheduler, and then retry the operation.
RPM-24136	The specified task does not exist.	*Cause* The specified task does not exist. *Action* Update the host information, make sure that the task to be used exists, and then retry the operation.
RPM-24137	Replication Manager Application Agent task retrieval failed.	*Cause* An attempt to obtain a task registered by Replication Manager Application Agent has failed. *Action* Make sure that the Windows task scheduler is executing, and then retry the operation.
RPM-24138	Getting task information failed.	*Cause* An attempt by Replication Manager Application Agent to obtain task information has failed.

Message ID	Message Text	Description
		Action Make sure that the Windows task scheduler is executing, and then retry the operation.
RPM-24139	Replication Manager Application Agent Task updation failed.	*Cause* An attempt to update a task in Replication Manager Application Agent has failed. *Action* Make sure that the Windows task scheduler is executing, and then retry the operation.
RPM-24140	Error occurred while checking for data inconsistency.	*Cause* An error occurred during a data consistency check. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24141	Data inconsistent during updation.	*Cause* The data being updated is inconsistent. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24142	The number of task that can be registered in the Replication Manager Application Agent has exceeded the maximum limit.	*Cause* The maximum number of tasks that can be registered for Replication Manager Application Agent has been reached. *Action* Check the tasks registered to Replication Manager Application Agent, and then reduce the number of tasks registered. After that, retry the operation.
RPM-24143	Task updation failed as the task is under execution.	*Cause* An attempt to update a task has failed, because the task is executing. *Action* Update the host information, make sure that the task to be updated is not

Message ID	Message Text	Description
		executing, and then retry the operation.
RPM-24144	Task deletion failed as the task is under execution.	*Cause* An attempt to delete a task has failed, because the task is executing. *Action* Update the host information, make sure that the task to be deleted is not executing, and then retry the operation.
RPM-24145	Task updation failed as the task is One time only task.	*Cause* A one-time-only task cannot be re-executed. *Action* Create a new task.
RPM-24146	Task deletion failed in Replication Manager Application Agent.	*Cause* An attempt to delete a task in Replication Manager Application Agent has failed. *Action* Wait a while, and then retry the operation. If the same error occurs again, make sure that the correct access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation.
RPM-24147	Task updation failed in Replication Manager Application Agent.	*Cause* An attempt to update a task in Replication Manager Application Agent has failed. *Action* Wait a while, and then retry the operation. If the same error occurs again, make sure that the correct access permissions are set for the folder in which Replication Manager Application Agent is installed, and then retry the operation.
RPM-24148	Directory for the file used by Replication Manager Application Agent does not exist.	*Cause* The directory for files used by Replication Manager Application Agent does not exist. *Action* Uninstall and then re-install Replication Manager Application Agent. After that, retry the operation. If the same error occurs again, collect the

Message ID	Message Text	Description
		appropriate materials, and then contact the Support Center.
RPM-24149	Task cannot be executed.	*Cause* Replication Manager Application Agent is not installed properly. *Action* Uninstall and then re-install Replication Manager Application Agent. After that, retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24150	An attempt to run the task immediately has failed because the Replication Manager Application Agent task registration failed.	*Cause* An attempt to perform immediate task execution has failed, because an attempt to register the task with Replication Manager Application Agent has failed. *Action* Make sure that the Windows task scheduler is executing, and then retry the operation.
RPM-24151	The create replica operation has failed.	*Cause* An attempt to create a replica has failed. *Action* Wait a while, and then retry the operation. If the same error occurs again, collect the appropriate materials, and then contact the Support Center.
RPM-24152	Unable to create the pipe.	*Cause* A problem exists with the OS environment. *Action* See the OS help and manual, and set the environment so that pipes operate properly.
RPM-24153	Unable to read from the pipe.	*Cause* A problem exists with the OS environment. *Action* See the OS help and manual, and set the environment so that pipes operate properly.
RPM-24154	Unable to close the pipe.	*Cause* A problem exists with the OS environment.

Message ID	Message Text	Description
		Action See the OS help and manual, and set the environment so that pipes operate properly.
RPM-24155	Replication Manager Application Agent Environment setting failed.	*Cause* An attempt to perform environment settings for Replication Manager Application Agent has failed. *Action* Make sure that Replication Manager Application Agent is executing with Administrator permissions, and then retry the operation. If the same error occurs again, restart the host on which Replication Manager Application Agent is installed.
RPM-24156	The task cannot be executed as it is already under execution.	*Cause* A task that is already executing cannot be executed. *Action* Make sure that the task is not executing, and then retry the operation.
RPM-24157	The "One time only task" cannot be executed because its status is "Success".	*Cause* A successful one-time-only task cannot be re-executed. *Action* Create a new task.
RPM-24158	Problem occurred while finding the virtual server status.	*Cause* A problem occurred during acquisition of a virtual server status. *Action* Make sure that the virtual server is running properly, and then retry the operation.
RPM-24159	Failure in recover process.	*Cause* Failure occurred during the recovery process. *Action* Uninstall and then re-install Replication Manager Application Agent. If this still does not resolve the issue, collect the appropriate materials, and then contact the Support Center.
RPM-24160	Failure in recover process.	*Cause* Failure occurred during the recovery process.

Message ID	Message Text	Description
		Action Uninstall and then re-install Replication Manager Application Agent. If this still does not resolve the issue, collect the appropriate materials, and then contact the Support Center.
RPM-24161	Failure in recover process.	*Cause* Failure occurred during the recovery process. *Action* Uninstall and then re-install Replication Manager Application Agent. If this still does not resolve the issue, collect the appropriate materials, and then contact the Support Center.
RPM-24162	The drive capacity is insufficient.	*Cause* Unused drive capacity is insufficient. *Action* Increase the amount of unused capacity on the drive on which Replication Manager Application Agent is installed, such as by deleting any unnecessary files.
RPM-24163	Internal errors (OS errors)	*Cause* A problem exists with the OS environment. *Action* See the OS event logs, and resolve the issue accordingly.
RPM-24164	The file used by Replication Manager Application Agent is empty.	*Cause* A file used by Replication Manager Application Agent is empty. *Action* Create a task, and then retry the operation.

3

Alerts output by Device Manager

Device Manager outputs alerts to the event log, the syslog file, etc. on the Device Manager server. This chapter describes the alerts output by Device Manager.

- KAID00001 - KAID01999
- KAID02101 - KAID02907
- KAID10001 - KAID11028

KAID00001 - KAID01999

This section describes the trap information output by the storage system.

- KAID00001 to KAID00372 alerts

  These alerts are trap information output by Universal Storage Platform V/VM, Virtual Storage Platform, and HUS VM storage systems. For details about these alerts, see Table 3-1 KAID00001 - KAID00372 (trap information output by the Universal Storage Platform V/VM, Virtual Storage Platform, and HUS VM storage systems) on page 3-2.
- KAID01001 to KAID01178 alerts

  These alerts are trap information output by Universal Storage Platform V/VM. For details about these alerts, see Table 3-2 KAID01001 - KAID01178 (trap information output by the Universal Storage Platform V/VM storage system) on page 3-15.
- KAID01300 to KAID01632 alerts

  These alerts are trap information output by Virtual Storage Platform. For details about these alerts, see Table 3-3 KAID01300 - KAID01632 (trap information output by the Virtual Storage Platform storage system) on page 3-23.
- KAID01800 to KAID01999 alerts

  These alerts are trap information output by HUS VM. For details about these alerts, see Table 3-4 KAID01800 - KAID01999 (trap information output by the HUS VM) on page 3-39.

Table 3-1 KAID00001 - KAID00372 (trap information output by the Universal Storage Platform V/VM, Virtual Storage Platform, and HUS VM storage systems)

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00001	LCP ERROR	LCM HARDWARE ERROR
KAID00002	LCP ERROR	ADP PERMANENT ERROR
KAID00003	FCP ERROR	AL_PA VALUE CONFLICT
KAID00004	PROCESSOR(CHA) ERROR	CHK1A THRESHOLD OVER
KAID00005	PROCESSOR(CHA) ERROR	CHK1B THRESHOLD OVER
KAID00006	PROCESSOR(CHA) ERROR	CHK3 THRESHOLD OVER
KAID00007	PROCESSOR(CHA) ERROR	PROCESSOR BLOCKING
KAID00008	PROCESSOR(CHA) ERROR	FM THRESHOLD OVER
KAID00009	PROCESSOR(CHA) ERROR	FM ERROR
KAID00010	PROCESSOR(CHA) ERROR	INCORRECT FM SUM
KAID00011	PROCESSOR(CHA) ERROR	LDEV BLOCKADE(EFFECT OF PROCESSOR BLOCKADE)

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00012	PROCESSOR(CHA) ERROR	P/S OFF IMPOSSIBLE
KAID00013	PROCESSOR(CHA) ERROR	P/S OFF IMPOSSIBLE(DEVICE RESERVED)
KAID00014	PROCESSOR(CHA) ERROR	UNDEFINED PCB IS MOUNTED
KAID00015	PROCESSOR(CHA) ERROR	V-R OR SERIAL NUMBER IS INCONSISTENT
KAID00016	PROCESSOR(CHA) ERROR	RAID5 BOOSTER IS INCONSISTENT
KAID00017	PROCESSOR(CHA) ERROR	REPLACE FAILED
KAID00018	PROCESSOR(CHA) ERROR	MICROCODE VERSION UP
KAID00019	PROCESSOR(CHA) ERROR	MICROCODE VERSION UP IMPOSSIBLE
KAID00020	PROCESSOR(CHA) ERROR	PACKAGE TYPE CHANGED
KAID00021	PROCESSOR(CHA) ERROR	PACKAGE TYPE EXCHANGE IMPOSSIBLE
KAID00022	PROCESSOR(CHA) ERROR	PACKAGE TYPE EXCHANGE IMPOSSIBLE
KAID00023	PROCESSOR(CHA) ERROR	PACKAGE TYPE CHANGED
KAID00024	PROCESSOR(CHA) ERROR	WARNING OF SM DISABLE
KAID00025	PROCESSOR(CHA) ERROR	SMA SLAVE ERROR
KAID00026	PROCESSOR(CHA) ERROR	MPA SLAVE ERROR
KAID00027	PROCESSOR(CHA) ERROR	INJUSTICE DC VOLTAGE CONTROL
KAID00028	PROCESSOR(CHA) ERROR	INJUSTICE CE MODE
KAID00029	PROCESSOR(CHA) ERROR	CHT PCB EXCHANGE IMPOSSIBLE (4GL<->4GS)
KAID00030	PROCESSOR(DKA) ERROR	CHK1A THRESHOLD OVER
KAID00031	PROCESSOR(DKA) ERROR	CHK1B THRESHOLD OVER
KAID00032	PROCESSOR(DKA) ERROR	CHK3 THRESHOLD OVER
KAID00033	PROCESSOR(DKA) ERROR	PROCESSOR BLOCKING
KAID00034	PROCESSOR(DKA) ERROR	FM THRESHOLD OVER
KAID00035	PROCESSOR(DKA) ERROR	FM ERROR
KAID00036	PROCESSOR(DKA) ERROR	INCORRECT FM SUM
KAID00037	PROCESSOR(DKA) ERROR	LDEV BLOCKADE(EFFECT OF PROCESSOR BLOCKADE)
KAID00038	PROCESSOR(DKA) ERROR	P/S OFF IMPOSSIBLE
KAID00039	PROCESSOR(DKA) ERROR	P/S OFF IMPOSSIBLE(DEVICE RESERVED)

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00040	PROCESSOR(DKA) ERROR	UNDEFINED PCB IS MOUNTED
KAID00041	PROCESSOR(DKA) ERROR	V-R OR SERIAL NUMBER IS INCONSISTENT
KAID00042	PROCESSOR(DKA) ERROR	RAID5 BOOSTER IS INCONSISTENT
KAID00043	PROCESSOR(DKA) ERROR	REPLACE FAILED
KAID00044	PROCESSOR(DKA) ERROR	MICROCODE VERSION UP
KAID00045	PROCESSOR(DKA) ERROR	MICROCODE VERSION UP IMPOSSIBLE
KAID00046	PROCESSOR(DKA) ERROR	PACKAGE TYPE CHANGED
KAID00047	PROCESSOR(DKA) ERROR	WARNING OF SM DISABLE
KAID00048	PROCESSOR(DKA) ERROR	SMA SLAVE ERROR
KAID00049	PROCESSOR(DKA) ERROR	MPA SLAVE ERROR
KAID00050	PROCESSOR(DKA) ERROR	INJUSTICE DC VOLTAGE CONTROL
KAID00051	PROCESSOR(DKA) ERROR	INJUSTICE CE MODE
KAID00052	PROCESSOR(DKA) ERROR	FSW LED BUS TEST ERROR
KAID00053	PROCESSOR(DKA) ERROR	TACHYON ERROR
KAID00054	SHSN ERROR	LOGICAL PATH BLOCKADE(CHA)
KAID00055	SHSN ERROR	LOGICAL PATH BLOCKADE(DKA)
KAID00056	CHSN ERROR	LOGICAL PATH BLOCKADE(CHA CARB0)
KAID00057	CHSN ERROR	LOGICAL PATH BLOCKADE(CHA CARB1)
KAID00058	CHSN ERROR	LOGICAL PATH BLOCKADE(DKA-DRR CARB0)
KAID00059	CHSN ERROR	LOGICAL PATH BLOCKADE(DKA-DRR CARB1)
KAID00060	CHSN ERROR	LOGICAL PATH BLOCKADE(DKA-FCA CARB0)
KAID00061	CHSN ERROR	LOGICAL PATH BLOCKADE(DKA-FCA CARB1)
KAID00062	CHSN ERROR	LOGICAL PATH BLOCKADE(DKA-SCA1 CARB0)
KAID00063	CHSN ERROR	LOGICAL PATH BLOCKADE(DKA-SCA1 CARB1)
KAID00064	CHA CHK2	RCHA TEMPORARY ERROR
KAID00065	CHA CHK2	RCHA BLOCKING
KAID00066	DKA CHK2	PINNED SLOT

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00067	DKA CHK2	DRR TEMPORARY ERROR
KAID00068	DKA CHK2	FCA TEMPORARY ERROR
KAID00069	DKA CHK2	DRR BLOCKING
KAID00070	DKA CHK2	FCA BLOCKING
KAID00071	DKA CHK2	FIBRE LOOP BLOCKING(EFFECT OF PATH INLINE FAILED)
KAID00072	DKA CHK2	LDEV BLOCKADE(EFFECT OF FCA BLOCKADE)
KAID00073	CACHE ERROR	CORRECTABLE ERROR
KAID00074	CACHE ERROR	CACHE TEMPORARY ERROR
KAID00075	CACHE ERROR	MODULE GROUP BLOCKING
KAID00076	CACHE ERROR	PACKAGE BLOCKING
KAID00077	CACHE ERROR	AREA BLOCKING
KAID00078	CACHE ERROR	PINNED SLOT
KAID00079	CACHE ERROR	BOTH AREA FAILED
KAID00080	CACHE ERROR	COEXISTENCE OF CACHE SIMM SIZES
KAID00081	CACHE ERROR	AREA IS VOLATILED
KAID00082	CACHE ERROR	PACKAGE IS VOLATILED
KAID00083	CACHE ERROR	MODULE GROUP IS VOLATILED
KAID00084	CACHE ERROR	INJUSTICE DC VOLTAGE CONTROL
KAID00085	CACHE ERROR	INJUSTICE CE MODE
KAID00086	CACHE ERROR	CORRECTABLE ERROR(2 BITS ERROR)
KAID00087	CACHE ERROR	ON DEMAND FAILURE CMG DETECTED
KAID00088	SHARED MEMORY ERROR	CORRECTABLE ERROR
KAID00089	SHARED MEMORY ERROR	UNCORRECTABLE ERROR
KAID00090	SHARED MEMORY ERROR	AREA BLOCKING
KAID00091	SHARED MEMORY ERROR	REAL MEMORY SIZE INCONSISTENT
KAID00092	SHARED MEMORY ERROR	REPLACE FAILED
KAID00093	SHARED MEMORY ERROR	BOTH SIDE INVALID
KAID00094	SHARED MEMORY ERROR	CONFIGURATION INFORMATION COMPARE ERROR
KAID00095	SHARED MEMORY ERROR	SHARED MEMORY IS VOLATILED
KAID00096	SHARED MEMORY ERROR	CONFIGURATION UNMATCH

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00097	SHARED MEMORY ERROR	DKCMAIN MICRO LOST
KAID00098	SHARED MEMORY ERROR	CHK3 THRESHOLD OVER
KAID00099	SHARED MEMORY ERROR	ON DEMAND FAILURE CMG DETECTED
KAID00100	SHARED MEMORY ERROR	AREA TEMPORARY BLOCKING
KAID00101	SHARED MEMORY ERROR	REBOOTED WITHOUT VOLATILIZATION
KAID00102	SHARED MEMORY ERROR	CONFIGURATION CHECK
KAID00103	SHARED MEMORY ERROR	LOSS OF DUPLICATED INFORMATION
KAID00104	SHARED MEMORY ERROR	ONE SIDE AREA IS VOLATILED
KAID00105	DRIVE ERROR(NORMAL R/W)	DRIVE PORT TEMPORARY ERROR(PATH 0)
KAID00106	DRIVE ERROR(NORMAL R/W)	DRIVE PORT TEMPORARY ERROR(PATH 1)
KAID00107	DRIVE ERROR(NORMAL R/W)	DRIVE TEMPORARY ERROR
KAID00108	DRIVE ERROR(NORMAL R/W)	DRIVE MEDIA ERROR
KAID00109	DRIVE ERROR(NORMAL R/W)	DRIVE PORT BLOCKADE(PATH 0)
KAID00110	DRIVE ERROR(NORMAL R/W)	DRIVE PORT BLOCKADE(PATH 1)
KAID00111	DRIVE ERROR(NORMAL R/W)	DRIVE BLOCKADE(DRIVE ERROR)
KAID00112	DRIVE ERROR(NORMAL R/W)	DRIVE BLOCKADE(EFFECT OF DRIVE COPY NORMAL END)
KAID00113	DRIVE ERROR(NORMAL R/W)	DRIVE BLOCKADE(MEDIA)
KAID00114	DRIVE ERROR(NORMAL R/W)	LDEV BLOCKADE(EFFECT OF FIBRE BLOCKADE)(PATH 0)
KAID00115	DRIVE ERROR(NORMAL R/W)	LDEV BLOCKADE(EFFECT OF FIBRE BLOCKADE)(PATH 1)
KAID00116	DRIVE ERROR(NORMAL R/W)	LDEV BLOCKADE(EFFECT OF DRIVE BLOCKADE)
KAID00117	DRIVE ERROR(NORMAL R/W)	CORRECTION COPY START
KAID00118	DRIVE ERROR(NORMAL R/W)	CORRECTION COPY NORMAL END
KAID00119	DRIVE ERROR(NORMAL R/W)	CORRECTION COPY ABNORMAL END
KAID00120	DRIVE ERROR(NORMAL R/W)	CORRECTION COPY DISCONTINUED
KAID00121	DRIVE ERROR(NORMAL R/W)	CORRECTION COPY WARNING END
KAID00122	DRIVE ERROR(NORMAL R/W)	DYNAMIC SPARING(DRIVE COPY)START
KAID00123	DRIVE ERROR(NORMAL R/W)	DYNAMIC SPARING(DRIVE COPY)NORMAL END

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00124	DRIVE ERROR(NORMAL R/W)	DYNAMIC SPARING(DRIVE COPY)ABNORMAL END
KAID00125	DRIVE ERROR(NORMAL R/W)	DYNAMIC SPARING(DRIVE COPY)DISCONTINUED
KAID00126	DRIVE ERROR(NORMAL R/W)	DYNAMIC SPARING(DRIVE COPY)WARNING END
KAID00127	DRIVE ERROR(NORMAL R/W)	INCORRECT SERIAL NUMBER IN MICRO EXCHANGE
KAID00128	DRIVE ERROR(NORMAL R/W)	PINNED SLOT
KAID00129	DRIVE ERROR(NORMAL R/W)	LDEV READ ONLY
KAID00130	PAIR VOLUME STATUS ERROR	REMOTE COPY START
KAID00131	PAIR VOLUME STATUS ERROR	REMOTE COPY START
KAID00132	PAIR VOLUME STATUS ERROR	REMOTE COPY START
KAID00133	PAIR VOLUME STATUS ERROR	REMOTE COPY NORMAL END
KAID00134	PAIR VOLUME STATUS ERROR	REMOTE COPY NORMAL END
KAID00135	PAIR VOLUME STATUS ERROR	REMOTE COPY NORMAL END
KAID00136	PAIR VOLUME STATUS ERROR	PAIR END
KAID00137	PAIR VOLUME STATUS ERROR	PAIR END
KAID00138	PAIR VOLUME STATUS ERROR	PAIR END
KAID00139	PAIR VOLUME STATUS ERROR	PAIR STATUS CHANGED
KAID00140	PAIR VOLUME STATUS ERROR	PAIR STATUS CHANGED
KAID00141	PAIR VOLUME STATUS ERROR	PAIR STATUS CHANGED
KAID00142	PAIR VOLUME STATUS ERROR	PAIR END
KAID00143	PAIR VOLUME STATUS ERROR	PAIR END
KAID00144	PAIR VOLUME STATUS ERROR	PAIR END
KAID00145	PAIR VOLUME STATUS ERROR	SUSPEND END
KAID00146	PAIR VOLUME STATUS ERROR	SUSPEND END
KAID00147	PAIR VOLUME STATUS ERROR	SUSPEND END
KAID00148	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(MCU COMMAND)
KAID00149	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(MCU COMMAND)
KAID00150	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(MCU COMMAND)
KAID00151	PAIR VOLUME STATUS ERROR	HRC PAIR SUSPEND(HOST COMMAND)

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00152	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(MCU COMMAND)
KAID00153	PAIR VOLUME STATUS ERROR	HRC PAIR SUSPEND(HOST COMMAND)
KAID00154	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(HOST COMMAND)
KAID00155	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(HOST COMMAND)
KAID00156	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(HOST COMMAND)
KAID00157	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(HOST COMMAND)
KAID00158	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(HOST COMMAND)
KAID00159	PAIR VOLUME STATUS ERROR	HRC PAIR STATUS CHANGE(HOST COMMAND)
KAID00160	PAIR VOLUME STATUS ERROR	PAIR SUSPEND END(HOST COMMAND)
KAID00161	PAIR VOLUME STATUS ERROR	PAIR SUSPEND END(HOST COMMAND)
KAID00162	PAIR VOLUME STATUS ERROR	PAIR END(HOST COMMAND)
KAID00163	PAIR VOLUME STATUS ERROR	PAIR END(HOST COMMAND)
KAID00164	PAIR VOLUME STATUS ERROR	MIGRATION COPY START
KAID00165	PAIR VOLUME STATUS ERROR	MIGRATION COPY NORMAL END
KAID00166	PAIR VOLUME STATUS ERROR	PAIR END(HODM)
KAID00167	PAIR VOLUME STATUS ERROR	ERASE START(HODM)
KAID00168	PAIR VOLUME STATUS ERROR	ERASE END(HODM)
KAID00169	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(RIO PATH CLOSED)
KAID00170	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(RIO PATH CLOSED)
KAID00171	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(RIO PATH CLOSED)
KAID00172	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(M-VOL ERROR)
KAID00173	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(M-VOL ERROR)
KAID00174	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(M-VOL ERROR)
KAID00175	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(R-VOL ERROR)
KAID00176	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(R-VOL ERROR)
KAID00177	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(R-VOL ERROR)
KAID00178	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(DFW/DRV CACHE OFF)
KAID00179	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(DFW/DRV CACHE OFF)

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00180	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(DFW/DRV CACHE OFF)
KAID00181	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(SUSPEND REPORT)
KAID00182	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(SUSPEND REPORT)
KAID00183	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(SUSPEND REPORT)
KAID00184	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(SIMPLEX REPORT)
KAID00185	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(SIMPLEX REPORT)
KAID00186	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(SIMPLEX REPORT)
KAID00187	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(PATH CLOSED)
KAID00188	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(PATH CLOSED)
KAID00189	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(PATH CLOSED)
KAID00190	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(ERROR)
KAID00191	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(ERROR)
KAID00192	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(ERROR)
KAID00193	PAIR VOLUME STATUS ERROR	ERASE FAIL(HODM)
KAID00194	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(MCU P/S OFF)
KAID00195	PAIR VOLUME STATUS ERROR	PAIR SUSPEND(MCU P/S OFF)
KAID00196	PAIR VOLUME STATUS ERROR	SIM REPORT(SERVICE)
KAID00197	PAIR VOLUME STATUS ERROR	SIM REPORT(SERVICE)
KAID00198	PAIR VOLUME STATUS ERROR	SIM REPORT(SERVICE)
KAID00199	PAIR VOLUME STATUS ERROR	SIM REPORT(MODERATE)
KAID00200	PAIR VOLUME STATUS ERROR	SIM REPORT(MODERATE)
KAID00201	PAIR VOLUME STATUS ERROR	SIM REPORT(MODERATE)
KAID00202	PAIR VOLUME STATUS ERROR	SIM REPORT(ACUTE/SERIOUS)
KAID00203	PAIR VOLUME STATUS ERROR	SIM REPORT(ACUTE/SERIOUS)
KAID00204	PAIR VOLUME STATUS ERROR	SIM REPORT(ACUTE/SERIOUS)
KAID00205	PAIR VOLUME STATUS ERROR	PAIR STATUS INCORRECT
KAID00206	PAIR VOLUME STATUS ERROR	PAIR STATUS INCORRECT
KAID00207	PAIR VOLUME STATUS ERROR	PAIR STATUS INCORRECT
KAID00208	HMRCF/HOMRCF ERROR	COPY START
KAID00209	HMRCF/HOMRCF ERROR	COPY COMPLETE
KAID00210	HMRCF/HOMRCF ERROR	SPLIT START
KAID00211	HMRCF/HOMRCF ERROR	SPLIT COMPLETE

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00212	HMRCF/HOMRCF ERROR	PAIR RESYNC START
KAID00213	HMRCF/HOMRCF ERROR	PAIR RESYNC END
KAID00214	HMRCF/HOMRCF ERROR	BACKUP SERVER ERROR(BACKUP FAILED)
KAID00215	HMRCF/HOMRCF ERROR	BACKUP SERVER ERROR(LACK OF TAPE MEDIA)
KAID00216	HMRCF/HOMRCF ERROR	BACKUP SERVER ERROR(LACK OF TAPE DEVICE)
KAID00217	HMRCF/HOMRCF ERROR	BACKUP SERVER ERROR(MULTIPLE PROCESS ERROR)
KAID00218	HMRCF/HOMRCF ERROR	PAIR COMPLETE
KAID00219	HMRCF/HOMRCF ERROR	PAIR SUSPEND
KAID00220	HMRCF/HOMRCF ERROR	PAIR SUSPEND
KAID00221	HMRCF/HOMRCF ERROR	COPY WARNING END
KAID00222	HMRCF/HOMRCF ERROR	COPY ABNORMAL END(S-VOL CLOSED)
KAID00223	HMRCF/HOMRCF ERROR	COPY ABNORMAL END(T-VOL CLOSED)
KAID00224	HMRCF/HOMRCF ERROR	COPY ABNORMAL END
KAID00225	HMRCF/HOMRCF ERROR	RESERVE VOL DECREASE TO 1 (LDEV FAILED)
KAID00226	HMRCF/HOMRCF ERROR	RESERVE VOL DECREASE TO 0 (LDEV FAILED)
KAID00227	HMRCF/HOMRCF ERROR	ALL SP-PEND SUSPEND BY SM VOLATILE
KAID00228	HMRCF/HOMRCF ERROR	IMPOSSIBLE TO CONTINUE HMRCF/HOMRCF COPY
KAID00229	HMRCF/HOMRCF ERROR	INITIALIZE OF EXTENDED TABLE START
KAID00230	HMRCF/HOMRCF ERROR	INITIALIZE OF EXTENDED TABLE COMPLETE
KAID00231	HMRCF/HOMRCF ERROR	INITIALIZE OF EXTENDED TABLE ABEND
KAID00232	HIHSM	VOLUME MIGRATION FAILED(CU#=0)
KAID00233	HIHSM	VOLUME MIGRATION FAILED(CU#=1)
KAID00234	HIHSM	VOLUME MIGRATION FAILED(CU#=2)
KAID00235	HIHSM	VOLUME MIGRATION FAILED(CU#=3)
KAID00236	HIHSM	VOLUME MIGRATION FAILED

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00237	HXRC ERROR	SIDE FILE 40% OVER
KAID00238	DRIVE ERROR(ORM)	FIBRE TEMPORARY ERROR(PATH 0)
KAID00239	DRIVE ERROR(ORM)	FIBRE TEMPORARY ERROR(PATH 1)
KAID00240	DRIVE ERROR(ORM)	DRIVE TEMPORARY ERROR
KAID00241	DRIVE ERROR(ORM)	DRIVE MEDIA ERROR
KAID00242	POWER ERROR	HDU POWER-OFF DETECTED
KAID00243	POWER ERROR	HDU POWER RECOVERY
KAID00244	POWER ERROR	POWER FAILURE MODE SET
KAID00245	POWER ERROR	POWER FAILURE MODE RESET
KAID00246	POWER ERROR	DESTAGING STARTUP NORMAL
KAID00247	POWER ERROR	DESTAGING STARTUP FAILED
KAID00248	POWER ERROR	AC LINE OFF
KAID00249	POWER ERROR	AC LINE OFF RECOVER
KAID00250	POWER ERROR	UPS BATTERY FAIL
KAID00251	POWER ERROR	URGENT DESTAGING START
KAID00252	POWER ERROR	URGENT DESTAGING END
KAID00253	SVP I/F ERROR(CHA)	ETHERNET ERROR FOR SVP
KAID00254	SVP I/F ERROR(CHA)	SIM TRANSFER FAILURE TO SVP
KAID00255	SVP I/F ERROR(DKA)	ETHERNET ERROR FOR SVP
KAID00256	SVP I/F ERROR(DKA)	SIM TRANSFER FAILURE TO SVP
KAID00257	CSW ERROR	INJUSTICE DC VOLTAGE CONTROL
KAID00258	CSW ERROR	INJUSTICE CE MODE
KAID00259	ENVIRONMENTAL ERROR	TEMPERATURE(OVER 60 DEGREE)
KAID00260	ENVIRONMENTAL ERROR	TEMPERATURE(OVER 60 DEGREE)
KAID00261	ENVIRONMENTAL ERROR	TEMPERATURE(OVER 45 DEGREE)
KAID00262	ENVIRONMENTAL ERROR	TEMPERATURE(OVER 45 DEGREE)
KAID00263	ENVIRONMENTAL ERROR	5 VOLTAGE ALARM
KAID00264	ENVIRONMENTAL ERROR	3 VOLTAGE ALARM
KAID00266	ENVIRONMENTAL ERROR	VOLTAGE(SM 3V) WARNING
KAID00267	ENVIRONMENTAL ERROR	VOLTAGE(CM 3V) WARNING
KAID00268	ENVIRONMENTAL ERROR	5/3V PS WARNING
KAID00269	ENVIRONMENTAL ERROR	5/3V PS WARNING

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00270	ENVIRONMENTAL ERROR	3V PS WARNING
KAID00271	ENVIRONMENTAL ERROR	3V PS WARNING
KAID00272	ENVIRONMENTAL ERROR	3V PS WARNING
KAID00273	ENVIRONMENTAL ERROR	3V PS WARNING
KAID00274	ENVIRONMENTAL ERROR	SUB PS WARNING
KAID00276	ENVIRONMENTAL ERROR	HDD MPS1 WARNING
KAID00277	ENVIRONMENTAL ERROR	BATTERY WARNING
KAID00278	ENVIRONMENTAL ERROR	BATTERY WARNING
KAID00279	ENVIRONMENTAL ERROR	BATTERY WARNING
KAID00280	ENVIRONMENTAL ERROR	BATTERY WARNING
KAID00281	ENVIRONMENTAL ERROR	BATTERY WARNING
KAID00283	ENVIRONMENTAL ERROR	BATTERY WARNING (DIAG)
KAID00284	ENVIRONMENTAL ERROR	BATTERY WARNING (DIAG)
KAID00285	ENVIRONMENTAL ERROR	BATTERY WARNING (DIAG)
KAID00286	ENVIRONMENTAL ERROR	BATTERY WARNING (DIAG)
KAID00287	ENVIRONMENTAL ERROR	AC WARNING
KAID00289	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN12B
KAID00290	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN21B
KAID00291	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN12A
KAID00292	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN21A
KAID00293	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN11B
KAID00294	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN22B
KAID00295	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN11A
KAID00296	ENVIRONMENTAL ERROR	FAN ABNORMALITY FLGFAN22A
KAID00297	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN11B
KAID00298	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN22B
KAID00299	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN11A
KAID00300	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN22A
KAID00301	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN12B
KAID00302	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN21B
KAID00303	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN12A
KAID00304	ENVIRONMENTAL ERROR	FAN ABNORMALITY RLGFAN21A

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00305	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN11B
KAID00306	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN22B
KAID00307	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN11A
KAID00308	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN22A
KAID00309	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN12B
KAID00310	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN21B
KAID00311	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN12A
KAID00312	ENVIRONMENTAL ERROR	FAN ABNORMALITY RPSFAN21A
KAID00313	ENVIRONMENTAL ERROR	JP SETTING FAILURE (DKC ALARM INHIBITION JP)
KAID00314	ENVIRONMENTAL ERROR	JP SETTING FAILURE (HDU0-3 ALARM INHIBITION JP)
KAID00315	ENVIRONMENTAL ERROR	JP SETTING FAILURE (HDU4-7 ALARM INHIBITION JP)
KAID00316	ENVIRONMENTAL ERROR	JP SETTING FAILURE (SVP PS OFF/ON INHIBITION JP)
KAID00317	ENVIRONMENTAL MONITOR ERROR	ENVIRONMENT MONITOR ACCESS ERROR
KAID00318	ENVIRONMENTAL MONITOR ERROR	ENVIRONMENT MONITOR ACCESS ERROR DKCMN1
KAID00319	ENVIRONMENTAL MONITOR ERROR	ENVIRONMENT MONITOR ACCESS ERROR DKCMN2
KAID00320	ENVIRONMENTAL MONITOR ERROR	ENVIRONMENT MONITOR BUSY
KAID00321	ENVIRONMENTAL MONITOR ERROR	DIAGNOSTIC MODE SETTING FAILURE
KAID00322	ENVIRONMENTAL MONITOR ERROR	INCORRECT DKCMN TYPE
KAID00323	ENVIRONMENTAL MONITOR ERROR	ALARM DISAGREEMENT ERROR
KAID00324	ENVIRONMENTAL MONITOR ERROR	ALARM DISAGREEMENT ERROR DKCMN1
KAID00325	ENVIRONMENTAL MONITOR ERROR	ALARM DISAGREEMENT ERROR DKCMN2
KAID00326	ENVIRONMENTAL MONITOR ERROR	DISAGREEMENT ERROR OF P/S
KAID00327	ENVIRONMENTAL MONITOR ERROR	DISAGREEMENT ERROR OF P/S DKCMN1

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00328	ENVIRONMENTAL MONITOR ERROR	DISAGREEMENT ERROR OF P/S DKCMN2
KAID00329	SVP ERROR	LOGICAL INCONSISTENCY
KAID00330	SVP ERROR	HEAP ERROR
KAID00331	SVP ERROR	FILE ERROR
KAID00332	SVP ERROR	LAN ERROR
KAID00333	SVP ERROR	S-SVP ERROR
KAID00334	SVP ERROR	WINDOWS ERROR
KAID00335	SVP ERROR	CUDG3 DETECTED ERROR
KAID00336	SVP ERROR	LCDG3 DETECTED ERROR
KAID00337	SVP ERROR	BOOT DETECTED ERROR(CHA)
KAID00338	SVP ERROR	BOOT DETECTED ERROR(DKA)
KAID00339	SVP ERROR	ROUTER ERROR
KAID00340	SVP ERROR	FD REMAINS IN FDD
KAID00341	PERIODIC CHECK ERROR	OVER LIFE SPAN OF BATTERY
KAID00342	END STATUS OF REMOTE MICRO EXCHANGE	NORMAL END
KAID00343	END STATUS OF REMOTE MICRO EXCHANGE	ABNORMAL END(SVP)
KAID00344	END STATUS OF REMOTE MICRO EXCHANGE	ABNORMAL END(MP)
KAID00345	END STATUS OF REMOTE MICRO EXCHANGE	VERSION CHK ERROR
KAID00346	END STATUS OF REMOTE MICRO EXCHANGE	SUM CHK ERROR
KAID00347	END STATUS OF REMOTE MICRO EXCHANGE	LCP PATCH ERROR
KAID00348	END STATUS OF REMOTE MICRO EXCHANGE	WARNING(CONFIGURATION INCONSISTENCY)
KAID00349	END STATUS OF REMOTE MICRO EXCHANGE	WARNING(S-SVP BUSY)
KAID00350	END STATUS OF REMOTE MICRO EXCHANGE	WARNING(LCP BUSY)
KAID00351	DKC INTERNAL ERROR	SSB(24 BYTE FORM) REPORTED
KAID00352	DKC INTERNAL ERROR	SSB(32 BYTE FORM) REPORTED
KAID00353	HOST I/F ERROR	BUSOUT PARITY ERROR

Alert ID	Overview of the error	Information displayed in the DESCRIPTION field (all or part of the displayed information)
KAID00354	HOST I/F ERROR	DATA OVERRUN
KAID00355	HOST I/F ERROR	OFFLINE SEQUENCE
KAID00356	HOST I/F ERROR	INCIDENT
KAID00357	SVP ERROR	FLASH MEMORY ERROR
KAID00358	TRIAL KEY	WARNING OF TRIAL PERIOD
KAID00359	SIM RESTRAINT	DUMMY
KAID00360	DUMP RECEIVED	WCHK1 DUMP(CHA)
KAID00361	DUMP RECEIVED	ABEND DUMP(CHA)
KAID00362	DUMP RECEIVED	WCHK1 DUMP(DKA)
KAID00363	DUMP RECEIVED	ABEND DUMP(DKA)
KAID00364	BACKUP SERVER	BACKUP SERVER FAILURE DETECTED BY SVP
KAID00365	BACKUP SERVER	ATL FAILURE
KAID00366	BACKUP SERVER	MT FAILURE
KAID00367	BACKUP SERVER	OS FAILURE
KAID00368	BACKUP SERVER	NETWORKER ERROR
KAID00369	BACKUP SERVER	APPLICATION ERROR
KAID00370	DRIVE ERROR	PRE STAGING START
KAID00371	DRIVE ERROR	PRE STAGING NORMAL END
KAID00372	DRIVE ERROR	PRE STAGING ABNORMAL END

Table 3-2 KAID01001 - KAID01178 (trap information output by the Universal Storage Platform V/VM storage system)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01001	LCP/FCP/HTP error	ADP permanent error
KAID01002	LCP/FCP/HTP error	ADP blocking
KAID01003	LCP/FCP/HTP error	Link failure 1
KAID01004	LCP/FCP/HTP error	Link failure 2
KAID01005	LCP/FCP/HTP error	LCP/FCP/HTP hard error
KAID01006	LCP/FCP/HTP error	LCP/FCP/HTP path blocking
KAID01007	LCP/FCP/HTP error	LCP/FCP/HTP blocking
KAID01008	CHA Processor error	Processor blocking

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01009	CHA Processor error	FM error
KAID01010	DKA Processor error	Processor blocking
KAID01011	DKA Processor error	FM error
KAID01012	CHA CHK2	RCHA blocking
KAID01013	DKA CHK2	DRR blocking
KAID01014	DKA CHK2	FCA blocking
KAID01015	Cache error	Cache Module Blockade Processing end
KAID01016	Cache error	Cache Package Blockade Processing end
KAID01017	Cache error	Cache temporary error
KAID01018	Cache error	Module group blocking
KAID01019	Cache error	Package blocking
KAID01020	Cache error	Area blocking
KAID01021	Shared memory error	HPAV micro lost
KAID01022	Shared memory error	Recovery of area blocked temporarily was completed
KAID01023	Drive error (normal R/W)	Drive blockade (drive) (with redundancy)
KAID01024	Drive error (normal R/W)	Drive blockade (drive) (without redundancy)
KAID01025	Drive error (normal R/W)	Drive blockade (media) (with redundancy)
KAID01026	Drive error (normal R/W)	Drive blockade (media) (without redundancy)
KAID01027	Drive error (normal R/W)	Correction copy warning end (With blockade LDEV or some error)
KAID01028	Drive error (normal R/W)	Dynamic sparing warning end (With blockade LDEV or some error) (Drive copy)
KAID01029	SVP interface error (CHA side)	Ethernet error for SVP
KAID01030	SVP interface error (CHA side)	SIM transfer failure to SVP
KAID01031	SVP interface error (DKA side)	Ethernet error for SVP
KAID01032	SVP interface error (DKA side)	SIM transfer failure to SVP
KAID01033	Power error	HDU power off
KAID01034	LCP/FCP error (Remote Control Port)	Logical path(s) on the remote copy connections was logically blocked (Due to an error conditions)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01035	LCP/FCP error (Remote Control Port)	The logical path has been recovered from blocked condition on the remote copy conditions.
KAID01036	LCP/FCP error (Remote Control Port)	MCU has received the notification of communication line error detection from extender.
KAID01037	Pair volume status error	HRC started the initial copy or out of sync for this volume.
KAID01038	Pair volume status error	HRC completed the initial copy for this volume.
KAID01039	Pair volume status error	HRC for this volume was deleted. (Operation from an SVP/remote console or a host processor)
KAID01040	Pair volume status error	Pair formation completion by HRC(NO copy suspension)
KAID01041	Pair volume status error	Status of the R-VOL is changed.
KAID01042	Pair volume status error	HODM started the migration copy or out of sync for this volume.
KAID01043	Pair volume status error	HODM completed the migration copy for this volume.
KAID01044	Pair volume status error	HODM for this volume was deleted. (Operation from an SVP/remote console)
KAID01045	Pair volume status error	HRC/HODM for this volume was suspended (Due to an unrecoverable failure on the remote copy connections.)
KAID01046	Pair volume status error	HRC/HODM for this volume was suspended (Due to an unrecoverable failure on the M-VOL or the remote copy connections)
KAID01047	Pair volume status error	HRC/HODM for this volume was suspended (Due to an unrecoverable failure on the R-VOL)
KAID01048	Pair volume status error	HRC for this volume was suspended (Caused by DFW to the R-VOL was prohibited)
KAID01049	Pair volume status error	HRC for this volume was suspended (Due to an internal error condition detected by the RCU)
KAID01050	Pair volume status error	HRC for this volume was suspended (Caused by Delete pair operation was issued to the R-VOL)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01051	Pair volume status error	Erase operation for this volume was not completed. (Due to error conditions)
KAID01052	Pair volume status error	MCU detected a Moderate Level SIM for RCU.
KAID01053	Pair volume status error	MCU detected an Acute or Serious Level SIM for RCU.
KAID01054	Pair volume status error	Status of the M-VOL was not consistent with the R-VOL.
KAID01055	Pair volume status error	HRC started the initial copy or out of sync for this volume.
KAID01056	Pair volume status error	HRC completed the initial copy for this volume.
KAID01057	Pair volume status error	HRC for this volume was accepted delete pair operation. (Operation from an SVP/remote console or a host processor)
KAID01058	Pair volume status error	HRC for this volume was accepted suspend pair operation. (Operation from an SVP/remote console or a host processor)
KAID01059	Pair volume status error	Delete pair operation for this HRC volume has completed.
KAID01060	Pair volume status error	Suspend pair operation for this HRC volume has completed.
KAID01061	Pair volume status error	Pair formation completion by HRC(NO copy suspension)
KAID01062	Pair volume status error	The R-VOL status has changed as requested by MCU.
KAID01063	Pair volume status error	The M-VOL has suspended. (Due to an unrecoverable failure on the remote copy connections.)
KAID01064	Pair volume status error	The M-VOL has suspended. (Due to an unrecoverable failure on the M-VOL or the remote copy connections)
KAID01065	Pair volume status error	The M-VOL has suspended. (Due to an unrecoverable failure on the R-VOL)
KAID01066	Pair volume status error	The M-VOL has suspended. (Caused by DFW to the R-VOL was prohibited)
KAID01067	Pair volume status error	The M-VOL has suspended. (Caused by Suspend pair operation was issued to the R-VOL)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01068	Pair volume status error	The M-VOL has suspended. (Caused by Delete pair operation was issued to the R-VOL)
KAID01069	Pair volume status error	The R-VOL has suspended. (Due to an unrecoverable failure on the remote copy connections)
KAID01070	Pair volume status error	The R-VOL has suspended. (Due to an unrecoverable failure on the R-VOL)
KAID01071	Pair volume status error	MCU detected a Service Level SIM for RCU.
KAID01072	Pair volume status error	MCU detected a Moderate Level SIM for RCU.
KAID01073	Pair volume status error	MCU detected an Acute or Serious Level SIM for RCU.
KAID01074	Pair volume status error	Status of the M-VOL was not consistent with the R-VOL.
KAID01075	Pair volume status error	A volume being used by an M-VOL changed status to suspend (continue).
KAID01076	Pair volume status error	A volume being used by an M-VOL changed status to suspend (complete).
KAID01077	Pair volume status error	The volume of suspension (complete) did update I/O acceptance with M-VOL and it suspended it. (Accept in complete update I/O.)
KAID01078	HMRCF error or HOMRCF error	Copy abnormal end
KAID01079	HMRCF error or HOMRCF error	ShadowImage-FlashCopy (R) Option abnormal end
KAID01080	HMRCF error or HOMRCF error	All ShadowImage-FlashCopy (R) Option abnormal end by SM volatile
KAID01081	HMRCF error or HOMRCF error	ShadowImage-FlashCopy (R) version2 Option abnormal end
KAID01082	HMRCF error or HOMRCF error	All ShadowImage-FlashCopy (R) version2 Option abnormal end by SM volatile
KAID01083	HMRCF error or HOMRCF error	Forcible suspend by SM volatile
KAID01084	HXRC/HRCA error	Sidefile 'sleep wait' threshold over
KAID01085	Hi-Copy error	Copy abnormal end
KAID01086	Copy-on-Write Snapshot error	Forcible suspend by SM volatile
KAID01087	Copy-on-Write Snapshot error	Copy-on Write Snapshot Option abnormal end
KAID01088	Pool error	Pool utilization threshold excess

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01089	Pool error	Pool blocking
KAID01090	External Subsystem Connection	External Subsystem Connection Path Failure
KAID01091	External Subsystem Connection	External Subsystem path response time out threshold over
KAID01092	External Subsystem Connection	External Subsystem Device failure
KAID01093	Pair volume failure	A volume to be used by the UR was defined
KAID01094	Pair volume failure	The volume being used by the UR began a copying
KAID01095	Pair volume failure	The volume being used by the UR completed a copying
KAID01096	Pair volume failure	The volume being used by the UR received a request for suspension
KAID01097	Pair volume failure	The volume being used by the UR completed a suspension transaction
KAID01098	Pair volume failure	The volume being used by the UR received a request for deletion
KAID01099	Pair volume failure	The volume being used by the UR completed the deletion
KAID01100	Pair volume failure	The volume being used by the UR was defined (placed in the PSUS status immediately)
KAID01101	Pair volume failure	A change to an SVOL was received from the MCU
KAID01102	Pair volume failure	A volume being used by a P-VOL was suspended (Path recovery was impossible)
KAID01103	Pair volume failure	A volume being used by a P-VOL was suspended (A failure on the MCU side was detected)
KAID01104	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL was detected)
KAID01105	Pair volume failure	A volume being used by a P-VOL was suspended (Deletion of an S-VOL pair was detected)
KAID01106	Pair volume failure	A volume being used by an S-VOL was suspended (Path recovery was impossible)
KAID01107	Pair volume failure	A volume being used by an S-VOL was suspended (A failure on the RCU side was detected)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01108	Environmental error	Temperature Abnormal Alarm Front of cabinet Left Side (TH11 detect)
KAID01109	Environmental error	Temperature Abnormal Alarm Front of cabinet Right Side (TH12 detect)
KAID01110	Environmental error	Temperature Abnormal Alarm Back of cabinet Left Side (TH21 detect)
KAID01111	Environmental error	Temperature Abnormal Alarm Back of cabinet Right Side (TH22 detect)
KAID01112	Environmental error	Temperature Abnormal Warning Front of cabinet Left Side (TH11 detect)
KAID01113	Environmental error	Temperature Abnormal Warning Front of cabinet Right Side (TH12 detect)
KAID01114	Environmental error	Temperature Abnormal Warning Back of cabinet Left Side (TH21 detect)
KAID01115	Environmental error	Temperature Abnormal Warning Back of cabinet Right Side (TH22 detect)
KAID01116	Environmental error	Voltage alarm (LOGIC) Cluster-1
KAID01117	Environmental error	Voltage alarm (LOGIC) Cluster-2
KAID01118	Environmental error	Voltage alarm (MEMORY) Cluster-1
KAID01119	Environmental error	Voltage alarm (MEMORY) Cluster-2
KAID01120	Environmental error	ACDC alarm
KAID01121	Environmental error	P/S warning PS11
KAID01122	Environmental error	P/S warning PS21
KAID01123	Environmental error	P/S warning PS12
KAID01124	Environmental error	P/S warning PS22
KAID01125	Environmental error	P/S warning PS13
KAID01126	Environmental error	P/S warning PS23
KAID01127	Environmental error	P/S warning PS14
KAID01128	Environmental error	P/S warning PS24
KAID01129	Environmental error	P/S warning PS15
KAID01130	Environmental error	P/S warning PS25
KAID01131	Environmental error	P/S warning PS16
KAID01132	Environmental error	P/S warning PS26
KAID01133	Environmental error	P/S warning BAT-REG(MN1)
KAID01134	Environmental error	P/S warning BAT-REG(MN2)
KAID01135	Environmental error	P/S warning PS Warning

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01136	Environmental error	HDD-PL Voltage fall 56V Voltage fall
KAID01137	Environmental error	HDD-PL Voltage fall 37V Voltage fall
KAID01138	Environmental error	Battery warning BATTERY-11
KAID01139	Environmental error	Battery warning BATTERY-21
KAID01140	Environmental error	Battery warning BATTERY-12
KAID01141	Environmental error	Battery warning BATTERY-22
KAID01142	Environmental error	Battery warning BATTERY-13
KAID01143	Environmental error	Battery warning BATTERY-23
KAID01144	Environmental error	Battery warning BATTERY-14
KAID01145	Environmental error	Battery warning BATTERY-24
KAID01146	Environmental error	Battery warning BATTERY-15
KAID01147	Environmental error	Battery warning BATTERY-25
KAID01148	Environmental error	Battery warning DKUBATTERY
KAID01149	Environmental error	AC warning (3-phase) AC-BOX1
KAID01150	Environmental error	AC warning (3-phase) AC-BOX2
KAID01151	Environmental error	AC warning (1-phase) AC-BOX1
KAID01152	Environmental error	AC warning (1-phase) AC-BOX2
KAID01153	Environmental error	Fan abnormality FFAN1
KAID01154	Environmental error	Fan abnormality RFAN1
KAID01155	Environmental error	Fan abnormality FFAN2
KAID01156	Environmental error	Fan abnormality RFAN2
KAID01157	Environmental error	Fan abnormality FFAN3
KAID01158	Environmental error	Fan abnormality RFAN3
KAID01159	Environmental error	Fan abnormality FFAN4
KAID01160	Environmental error	Fan abnormality RFAN4
KAID01161	Environmental error	Fan abnormality FAN WARNING
KAID01162	Environmental error	Fan abnormality FAN fuse blow out
KAID01163	Environmental error	JP remains PS ON JP
KAID01164	Environmental error	JP remains SVP PS ON/OFF (Basic SVP)
KAID01165	Environmental error	JP remains SVP PS ON/OFF (Optional SVP)
KAID01166	Environmental error	Duplex SVP Setup fail
KAID01167	SVP failure	ISDN Router failure

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01168	SVP failure License key	The term of validity is over
KAID01169	Virus detected	Clean virus from file
KAID01170	Virus detected	Quarantine infected file
KAID01171	Virus detected	Leave alone
KAID01172	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL failure was detected)
KAID01173	Pool error	DP Pool utilization threshold excess 1
KAID01174	Pool error	DP Pool utilization threshold excess 2
KAID01175	Pool error	DP Pool overflow
KAID01176	Pool error	DP Pool fail
KAID01177	Pool error	DP VOL utilization threshold excess
KAID01178	Pool error	DP pool threshold continues to be exceeded

Table 3-3 KAID01300 - KAID01632 (trap information output by the Virtual Storage Platform storage system)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01300	Port error	Chanel port blocking
KAID01301	Port error	RIO path blocking
KAID01302	Port error	RIO path automatic restore
KAID01303	Port error	RCU logical path blocking
KAID01304	Port error	Link failure1
KAID01305	Port error	Link failure2
KAID01306	Port error	HTP hard error
KAID01307	Port error	HTP path blocking
KAID01308	Port error	HTP blocking
KAID01309	Port error	External subsystem connection path blocking
KAID01310	Port error	Threshold over byexternal subsystem connection path response time-out
KAID01311	Processor error	Processor blocking
KAID01312	Processor error	FM error
KAID01313	CHA/DKA error	SAS CTL blocking
KAID01314	CHA/DKA error	SAS PORT blocked

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01315	CHA/DKA error	DRR blocking
KAID01316	CHA/DKA error	DMA blocking
KAID01317	CHA/DKA error	Sync DMA blocking
KAID01318	CHA/DKA error	LR blocking
KAID01319	CHA/DKA error	All DMA blocking
KAID01320	CHA/DKA error	Logical DMA blocking
KAID01321	CHA/DKA error	Logical Sync DMA blocking
KAID01322	CHA/DKA error	MFDMA blocking
KAID01323	CHA/DKA error	All MFDMA blocking
KAID01324	Cache error	Cache Module Blockade Processing end
KAID01325	Cache error	Cache Package Blockade Processing End
KAID01326	Cache error	Cache temporary error
KAID01327	Cache error	Module group blocking
KAID01328	Cache error	Package blocking
KAID01329	Cache error	Area blocking
KAID01330	Shared memory error	SM area blocking
KAID01331	Shared memory error	Rebooted with volatilization after an instantaneous down
KAID01332	Shared memory error	Recovery of area blocked temporarily was completed
KAID01333	Shared memory error	Area temporary blocking
KAID01334	Drive error (normalR/W)	Drive port blockade (Drive path: Boundary 0)
KAID01335	Drive error (normalR/W)	Drive port blockade (Drive path: Boundary 1)
KAID01336	Drive error (normalR/W)	LDEV blockade (Drive path: Boundary 0/ Effect of Drive port blockade)
KAID01337	Drive error (normalR/W)	LDEV blockade (Drive path: Boundary 1/ Effect of Drive port blockade)
KAID01338	Drive error (normalR/W)	Drive blockade (drive) (with redundancy)
KAID01339	Drive error (normalR/W)	Drive blockade (drive) (without redundancy)
KAID01340	Drive error (normalR/W)	Drive blockade (Effect of Dynamic sparing normal end)
KAID01341	Drive error (normalR/W)	LDEV blockade (Effect of drive blockade)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01342	Drive error (normalR/W)	Drive blockade (media) (with redundancy)
KAID01343	Drive error (normalR/W)	Drive blockade (media) (without redundancy)
KAID01344	Drive error (normalR/W)	Correction copy start
KAID01345	Drive error (normalR/W)	Correction copy normal end
KAID01346	Drive error (normalR/W)	Correction copy warning end (With blockade LDEV or some error)
KAID01347	Drive error (normalR/W)	Dynamic sparing start (Drive copy)
KAID01348	Drive error (normalR/W)	Dynamic sparing normal end (Drive copy)
KAID01349	Drive error (normalR/W)	Dynamic sparing abnormal End (Drive copy)
KAID01350	Drive error (normalR/W)	Dynamic sparing warning end (With blockade LDEV or some error) (Drive copy)
KAID01351	External device error	External subsystem connection device blockade
KAID01352	SVP interface error	Ethernet error for SVP
KAID01353	SVP interface error	SIM transfer failure to SVP
KAID01354	System Disk	Audit Log lost
KAID01355	System Disk	Audit Log not access
KAID01356	Power error	HDU power off
KAID01357	Pair volume status error	HRC/HORC started the initialcopy or out of sync for this volume
KAID01358	Pair volume status error	HRC/HORC completed the initial copy for this volume
KAID01359	Pair volume status error	HRC/HORC for this volume was deleted (Operation from an SVP/remote console or a host processor)
KAID01360	Pair volume status error	HRC completed the Create pair (No copy suspend)
KAID01361	Pair volume status error	Status of the R-VOL is changed
KAID01362	Pair volume status error	Start of differential copy
KAID01363	Pair volume status error	HRC/HORC for this volume was suspended (Due to an unrecoverable failure on the remote copy connections)
KAID01364	Pair volume status error	HRC/HORC for this volume was suspended (Due to an unrecoverable

Alert ID	Error contents	Information displayed in the DESCRIPTION field
		failure on the M-VOL or the remote copy connections)
KAID01365	Pair volume status error	HRC/HORC for this volume was suspended (Due to an unrecoverable failure on the R-VOL)
KAID01366	Pair volume status error	HRC for this volume was suspended (Caused by DFW to the R-VOL was prohibited)
KAID01367	Pair volume status error	HRC/HORC for this volume was suspended (Due to an internal error condition detected by the RCU)
KAID01368	Pair volume status error	HRC/HORC for this volume was suspended (Caused by Delete pair operation was issued to the R-VOL)
KAID01369	Pair volume status error	Erase operation for this volume was not completed (Due to error conditions)
KAID01370	Pair volume status error	MCU detected a Moderate Level SIM for RCU
KAID01371	Pair volume status error	MCU detected an Acute or Serious Level SIM for RCU
KAID01372	Pair volume status error	Status of the M-VOL was not consistent with the R-VOL
KAID01373	Pair volume status error	HRC started the initial copy or out of sync for this volume
KAID01374	Pair volume status error	HRC completed the initial copy for this volume
KAID01375	Pair volume status error	HRC for this volume was accepted delete pair operation (Operation from an SVP/remote console or a host processor)
KAID01376	Pair volume status error	HRC for this volume was accepted suspend pair operation (Operation from an SVP/remote console or a host processor)
KAID01377	Pair volume status error	Delete pair operation for this HRC volume has completed
KAID01378	Pair volume status error	Suspend pair operation for this HRC volume has completed
KAID01379	Pair volume status error	HRC completed the Create pair (No copy suspend)
KAID01380	Pair volume status error	The R-VOL status has changed as requested by MCU

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01381	Pair volume status error	The M-VOL has suspended (Due to an unrecoverable failure on the remote copy connections)
KAID01382	Pair volume status error	The M-VOL has suspended (Due to an unrecoverable failure on the M-VOL or the remote copy connections)
KAID01383	Pair volume status error	The M-VOL has suspended (Due to an unrecoverable failure on the R-VOL)
KAID01384	Pair volume status error	The M-VOL has suspended (Caused by DFW to the R-VOL was prohibited)
KAID01385	Pair volume status error	The M-VOL has suspended (Caused by Suspend pair operation was issued to the R-VOL)
KAID01386	Pair volume status error	The M-VOL has suspended (Caused by Delete pair operation was issued to the R-VOL)
KAID01387	Pair volume status error	The R-VOL has suspended (Due to an unrecoverable failure on the remote copy connections)
KAID01388	Pair volume status error	The R-VOL has suspended (Due to an unrecoverable failure on the R-VOL)
KAID01389	Pair volume status error	MCU detected a Service Level SIM for RCU
KAID01390	Pair volume status error	MCU detected a Moderate Level SIM for RCU
KAID01391	Pair volume status error	MCU detected an Acute or Serious Level SIM for RCU
KAID01392	Pair volume status error	Status of the M-VOL was not consistent with the R-VOL
KAID01393	Pair volume status error	A volume being used by an M-VOL changed status to suspend (continue).
KAID01394	Pair volume status error	A volume being used by an M-VOL changed status to suspend (complete).
KAID01395	Pair volume status error	The volume of suspension (complete) did update I/O acceptance with M-VOL and it suspended it. (Accept in complete update I/O.)
KAID01396	HMRCF error/ HOMRCF error/ FlashCopy (R) version2 error	HMRCF/HOMRCF Copy abnormal end
KAID01397	HMRCF error/ HOMRCF error/ FlashCopy (R) version2 error	FlashCopy (R) version2 Option abnormal end
KAID01398	HMRCF error/ HOMRCF error/ FlashCopy (R) version2 error	All FlashCopy (R) version2 Option abnormal end by SM volatile

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01399	HMRCF error/ HOMRCF error/ FlashCopy (R) version2 error	Forcible suspend by SM volatile (HMRCF/HOMRCF)
KAID01400	HXRC/HRCA error	Sidefile `sleep wait' threshold over
KAID01401	Copy-on-Write Snapshot error	Forcible suspend by SM volatile
KAID01402	Copy-on-Write Snapshot error	Copy-on-Write Snapshot Option abnormal end
KAID01403	Copy-on-Write Snapshot Pool error	Pool utilization threshold excess
KAID01404	Copy-on-Write Snapshot Pool error	Pool blocking
KAID01405	DynamicProvisioning Pool error	The DP POOL Warning threshold was exceeded
KAID01406	DynamicProvisioning Pool error	The DP POOL System threshold was exceeded
KAID01407	DynamicProvisioning Pool error	The DP POOL FULL
KAID01408	DynamicProvisioning Pool error	The DP Pool error is detected
KAID01409	DynamicProvisioning Pool error	SM Full
KAID01410	DynamicProvisioning Pool error	DP pool threshold continues to be exceeded
KAID01411	DynamicProvisioning Pool error	The DP VOL threshold was exceeded
KAID01412	Pair volume failure	A volume to be used by the UR was defined
KAID01413	Pair volume failure	The volume being used by the UR began a copying
KAID01414	Pair volume failure	The volume being used by the UR completed a copying
KAID01415	Pair volume failure	The volume being used by the UR received a request for suspension
KAID01416	Pair volume failure	The volume being used by the UR completed a suspension transaction
KAID01417	Pair volume failure	The volume being used by the UR received a request for deletion
KAID01418	Pair volume failure	The volume being used by the UR completed the deletion
KAID01419	Pair volume failure	The volume being used by the UR was defined (placed in the PSUS status immediately)
KAID01420	Pair volume failure	A Delta volume to be used by the UR was defined
KAID01421	Pair volume failure	A Delta volume to be used by the UR was redefine

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01422	Pair volume failure	A change to an S-VOL was received from the MCU
KAID01423	Pair volume failure	A volume being used by a P-VOL was suspended (Path recovery was impossible)
KAID01424	Pair volume failure	A volume being used by a P-VOL was suspended (A failure on the MCU side was detected)
KAID01425	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL failure was detected)
KAID01426	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL was detected)
KAID01427	Pair volume failure	A volume being used by a P-VOL was suspended (Deletion of an S-VOL pair was detected)
KAID01428	Pair volume failure	A volume being used by an S-VOL was suspended (Path recovery was impossible)
KAID01429	Pair volume failure	A volume being used by an S-VOL was suspended (A failure on the RCU side was detected)
KAID01430	Pair volume failure	A Delta volume being used by a P-VOL was suspended
KAID01431	Pair volume failure	Pair suspend (Spread by error of another Affiliate)
KAID01432	Environmental error	External temperature alarm DKCBOX-0 Cluster 1
KAID01433	Environmental error	External temperature alarm DKCBOX-0 Cluster 2
KAID01434	Environmental error	External temperature alarm DKCBOX-1 Cluster 1
KAID01435	Environmental error	External temperature alarm DKCBOX-1 Cluster 2
KAID01436	Environmental error	External high temperature warning DKCBOX-0 Cluster 1
KAID01437	Environmental error	External high temperature warning DKCBOX-0 Cluster 2
KAID01438	Environmental error	External high temperature warning DKCBOX-1 Cluster 1
KAID01439	Environmental error	External high temperature warning DKCBOX-1 Cluster 2

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01440	Environmental error	External low temperature warning DKCBOX-0 Cluster 1
KAID01441	Environmental error	External low temperature warning DKCBOX-0 Cluster 2
KAID01442	Environmental error	External low temperature warning DKCBOX-1 Cluster 1
KAID01443	Environmental error	External low temperature warning DKCBOX-1 Cluster 2
KAID01444	Environmental error	Internal temperature alarm DKCBOX-0 Cluster 1
KAID01445	Environmental error	Internal temperature alarm DKCBOX-0 Cluster 2
KAID01446	Environmental error	Internal temperature alarm DKCBOX-1 Cluster 1
KAID01447	Environmental error	Internal temperature alarm DKCBOX-1 Cluster 2
KAID01448	Environmental error	Internal high temperature warning DKCBOX-0 Cluster 1
KAID01449	Environmental error	Internal high temperature warning DKCBOX-0 Cluster 2
KAID01450	Environmental error	Internal high temperature warning DKCBOX-1 Cluster 1
KAID01451	Environmental error	Internal high temperature warning DKCBOX-1 Cluster 2
KAID01452	Environmental error	Internal low temperature warning DKCBOX-0 Cluster 1
KAID01453	Environmental error	Internal low temperature warning DKCBOX-0 Cluster 2
KAID01454	Environmental error	Internal low temperature warning DKCBOX-1 Cluster 1
KAID01455	Environmental error	Internal low temperature warning DKCBOX-1 Cluster 2
KAID01456	Environmental error	Logic PS voltage alarm DKCBOX-0 Cluster 1
KAID01457	Environmental error	Logic PS voltage alarm DKCBOX-0 Cluster 2
KAID01458	Environmental error	Logic PS voltage alarm DKCBOX-1 Cluster 1
KAID01459	Environmental error	Logic PS voltage alarm DKCBOX-1 Cluster 2
KAID01460	Environmental error	Sub PS voltage alarm DKCBOX-0 Cluster 1

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01461	Environmental error	Sub PS voltage alarm DKCBOX-0 Cluster 2
KAID01462	Environmental error	Sub PS voltage alarm DKCBOX-1 Cluster 1
KAID01463	Environmental error	Sub PS voltage alarm DKCBOX-1 Cluster 2
KAID01464	Environmental error	DKCPS warning DKCBOX-0 DKCPS-0
KAID01465	Environmental error	DKCPS warning DKCBOX-1 DKCPS-0
KAID01466	Environmental error	DKCPS warning DKCBOX-0 DKCPS-1
KAID01467	Environmental error	DKCPS warning DKCBOX-1 DKCPS-1
KAID01468	Environmental error	DKCPS warning DKCBOX-0 DKCPS-2
KAID01469	Environmental error	DKCPS warning DKCBOX-1 DKCPS-2
KAID01470	Environmental error	DKCPS warning DKCBOX-0 DKCPS-3
KAID01471	Environmental error	DKCPS warning DKCBOX-1 DKCPS-3
KAID01472	Environmental error	DKUPS warning DKUPS
KAID01473	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-10
KAID01474	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-20
KAID01475	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-10
KAID01476	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-20
KAID01477	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-11
KAID01478	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-21
KAID01479	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-11
KAID01480	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-21
KAID01481	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-12
KAID01482	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-22
KAID01483	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-12
KAID01484	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-22

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01485	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-13
KAID01486	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-23
KAID01487	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-13
KAID01488	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-23
KAID01489	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-14
KAID01490	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-24
KAID01491	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-14
KAID01492	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-24
KAID01493	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-15
KAID01494	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-25
KAID01495	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-15
KAID01496	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-25
KAID01497	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-16
KAID01498	Environmental error	DKCFAN warning DKCBOX-0 DKCFAN-26
KAID01499	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-16
KAID01500	Environmental error	DKCFAN warning DKCBOX-1 DKCFAN-26
KAID01501	Environmental error	JP remains SVP PS ON/OFF (SVP-BASIC)
KAID01502	Environmental error	JP remains SVP PS ON/OFF (SVP-OPTION)
KAID01503	Environmental error	FAN warning HDDFAN
KAID01504	Environmental error	FAN fuse has blown
KAID01505	Environmental error	Duplex SVP Setup fail
KAID01506	SVP failure	S-SVP error
KAID01507	SVP failure	ISDN Router failure

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01508	Audit Log	Audit Log FTP Transfer failed
KAID01509	Virus detected	Clean virus from file
KAID01510	Virus detected	Quarantine infected file
KAID01511	Virus detected	Leave alone
KAID01515	Drive error (normalR/W)	Correction copy normal end
KAID01516	Pair volume status error	The R-VOL has suspended. (Due to an unrecoverable failure on the remote copy connections)
KAID01517	Copy-on-Write Snapshot Pool error	SM Full
KAID01518	SVP failure License key	The term of validity is over TrueCopy for Mainframe
KAID01519	SVP failure License key	The term of validity is over Compatible XRC
KAID01520	SVP failure License key	The term of validity is over TrueCopy
KAID01521	SVP failure License key	The term of validity is over ShadowImage for Mainframe
KAID01522	SVP failure License key	The term of validity is over Compatible FlashCopy (R) Version2
KAID01523	SVP failure License key	The term of validity is over ShadowImage
KAID01524	SVP failure License key	The term of validity is over Universal Replicator for Mainframe
KAID01525	SVP failure License key	The term of validity is over Universal Replicator
KAID01526	SVP failure License key	The term of validity is over Universal Volume Manager
KAID01527	SVP failure License key	The term of validity is over Virtual LVI
KAID01528	SVP failure License key	The term of validity is over Open Volume Management
KAID01529	SVP failure License key	The term of validity is over Volume Security
KAID01530	SVP failure License key	The term of validity is over Volume Security Port Option
KAID01531	SVP failure License key	The term of validity is over Volume Retention Manager
KAID01532	SVP failure License key	The term of validity is over Data Retention Utility
KAID01533	SVP failure License key	The term of validity is over LUN Manager

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01534	SVP failure License key	The term of validity is over Cache Residency Manager for Mainframe
KAID01535	SVP failure License key	The term of validity is over Cache Residency Manager
KAID01536	SVP failure License key	The term of validity is over Performance Monitor
KAID01537	SVP failure License key	The term of validity is over Volume Migration
KAID01538	SVP failure License key	The term of validity is over Server Priority Manager
KAID01539	SVP failure License key	The term of validity is over Compatible PAV
KAID01540	SVP failure License key	The term of validity is over Database Validator
KAID01541	SVP failure License key	The term of validity is over Storage Navigator
KAID01542	SVP failure License key	The term of validity is over SNMP Agent
KAID01543	SVP failure License key	The term of validity is over JAVA API
KAID01544	SVP failure License key	The term of validity is over Configuration File Loader
KAID01545	SVP failure License key	The term of validity is over Virtual Partition Manager
KAID01546	SVP failure License key	The term of validity is over Volume Shredder
KAID01547	SVP failure License key	The term of validity is over Volume Migration V2
KAID01548	SVP failure License key	The term of validity is over Copy-on-Write Snapshot
KAID01549	SVP failure License key	The term of validity is over Dynamic Provisioning
KAID01550	SVP failure License key	The term of validity is over Disaster Recovery Extended
KAID01551	SVP failure License key	The term of validity is over Compatible Hyper PAV
KAID01552	SVP failure License key	The term of validity is over Mainframe Fibre Data Migration
KAID01553	SVP failure License key	The term of validity is over Encryption License Key
KAID01554	SVP failure License key	The term of validity is over Hitachi Compatible High Performance Connectivity for FICON (R)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01555	SVP failure License key	The term of validity is over Hitachi Dynamic Tiering
KAID01556	SVP failure License key	The capacity of validity is over TrueCopy for Mainframe
KAID01557	SVP failure License key	The capacity of validity is over Compatible XRC
KAID01558	SVP failure License key	The capacity of validity is over TrueCopy
KAID01559	SVP failure License key	The capacity of validity is over ShadowImage for Mainframe
KAID01560	SVP failure License key	The capacity of validity is over Compatible FlashCopy (R) Version2
KAID01561	SVP failure License key	The capacity of validity is over ShadowImage
KAID01562	SVP failure License key	The capacity of validity is over Universal Replicator for Mainframe
KAID01563	SVP failure License key	The capacity of validity is over Universal Replicator
KAID01564	SVP failure License key	The capacity of validity is over Universal Volume Manager
KAID01565	SVP failure License key	The capacity of validity is over Virtual LVI
KAID01566	SVP failure License key	The capacity of validity is over Open Volume Management
KAID01567	SVP failure License key	The capacity of validity is over Volume Security
KAID01568	SVP failure License key	The capacity of validity is over Volume Security Port Option
KAID01569	SVP failure License key	The capacity of validity is over Volume Retention Manager
KAID01570	SVP failure License key	The capacity of validity is over Data Retention Utility
KAID01571	SVP failure License key	The capacity of validity is over LUN Manager
KAID01572	SVP failure License key	The capacity of validity is over Cache Residency Manager for Mainframe
KAID01573	SVP failure License key	The capacity of validity is over Cache Residency Manager
KAID01574	SVP failure License key	The capacity of validity is over Performance Monitor
KAID01575	SVP failure License key	The capacity of validity is over Volume Migration

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01576	SVP failure License key	The capacity of validity is over Server Priority Manager
KAID01577	SVP failure License key	The capacity of validity is over Compatible PAV
KAID01578	SVP failure License key	The capacity of validity is over Database Validator
KAID01579	SVP failure License key	The capacity of validity is over Storage Navigator
KAID01580	SVP failure License key	The capacity of validity is over SNMP Agent
KAID01581	SVP failure License key	The capacity of validity is over JAVA API
KAID01582	SVP failure License key	The capacity of validity is over Configuration File Loader
KAID01583	SVP failure License key	The capacity of validity is over Virtual Partition Manager
KAID01584	SVP failure License key	The capacity of validity is over Volume Shredder
KAID01585	SVP failure License key	The capacity of validity is over Volume Migration V2
KAID01586	SVP failure License key	The capacity of validity is over Copy-on-Write Snapshot
KAID01587	SVP failure License key	The capacity of validity is over Dynamic Provisioning
KAID01588	SVP failure License key	The capacity of validity is over Disaster Recovery Extended
KAID01589	SVP failure License key	The capacity of validity is over Compatible Hyper PAV
KAID01590	SVP failure License key	The capacity of validity is over Mainframe Fibre Data Migration
KAID01591	SVP failure License key	The capacity of validity is over Encryption License Key
KAID01592	SVP failure License key	The capacity of validity is over Hitachi Compatible High Performance Connectivity for FICON (R)
KAID01593	SVP failure License key	The capacity of validity is over Hitachi Dynamic Tiering
KAID01594	SVP failure License key	The PP is invalid by assumption PP invalidity TrueCopy for Mainframe
KAID01595	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible XRC

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01596	SVP failure License key	The PP is invalid by assumption PP invalidity TrueCopy
KAID01597	SVP failure License key	The PP is invalid by assumption PP invalidity ShadowImage for Mainframe
KAID01598	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible FlashCopy (R) Version2
KAID01599	SVP failure License key	The PP is invalid by assumption PP invalidity ShadowImage
KAID01600	SVP failure License key	The PP is invalid by assumption PP invalidity Universal Replicator for Mainframe
KAID01601	SVP failure License key	The PP is invalid by assumption PP invalidity Universal Replicator
KAID01602	SVP failure License key	The PP is invalid by assumption PP invalidity Universal Volume Manager
KAID01603	SVP failure License key	The PP is invalid by assumption PP invalidity Virtual LVI
KAID01604	SVP failure License key	The PP is invalid by assumption PP invalidity Open Volume Management
KAID01605	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Security
KAID01606	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Security Port Option
KAID01607	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Retention Manager
KAID01608	SVP failure License key	The PP is invalid by assumption PP invalidity Data Retention Utility
KAID01609	SVP failure License key	The PP is invalid by assumption PP invalidity LUN Manager
KAID01610	SVP failure License key	The PP is invalid by assumption PP invalidity Cache Residency Manager for Mainframe
KAID01611	SVP failure License key	The PP is invalid by assumption PP invalidity Cache Residency Manager
KAID01612	SVP failure License key	The PP is invalid by assumption PP invalidity Performance Monitor
KAID01613	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Migration
KAID01614	SVP failure License key	The PP is invalid by assumption PP invalidity Server Priority Manager
KAID01615	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible PAV

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01616	SVP failure License key	The PP is invalid by assumption PP invalidity Database Validator
KAID01617	SVP failure License key	The PP is invalid by assumption PP invalidity Storage Navigator
KAID01618	SVP failure License key	The PP is invalid by assumption PP invalidity SNMP Agent
KAID01619	SVP failure License key	The PP is invalid by assumption PP invalidity JAVA API
KAID01620	SVP failure License key	The PP is invalid by assumption PP invalidity Configuration File Loader
KAID01621	SVP failure License key	The PP is invalid by assumption PP invalidity Virtual Partition Manager
KAID01622	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Shredder
KAID01623	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Migration V2
KAID01624	SVP failure License key	The PP is invalid by assumption PP invalidity Copy-on-Write Snapshot
KAID01625	SVP failure License key	The PP is invalid by assumption PP invalidity Dynamic Provisioning
KAID01626	SVP failure License key	The PP is invalid by assumption PP invalidity Disaster Recovery Extended
KAID01627	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible Hyper PAV
KAID01628	SVP failure License key	The PP is invalid by assumption PP invalidity Mainframe Fibre Data Migration
KAID01629	SVP failure License key	The PP is invalid by assumption PP invalidity Encryption License Key
KAID01630	SVP failure License key	The PP is invalid by assumption PP invalidity Hitachi Compatible High Performance Connectivity for FICON (R)
KAID01631	SVP failure License key	The PP is invalid by assumption PP invalidity Hitachi Dynamic Tiering
KAID01632	DynamicProvisioning Pool error	The DP POOL Depletion threshold was exceeded

Table 3-4 KAID01800 - KAID01999 (trap information output by the HUS VM)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01800	SVP interface error	Ethernet error for SVP
KAID01801	SVP interface error	SIM Transfer failure to SVP
KAID01802	System Disk	Audit Log lost.
KAID01803	System Disk	System Disk not access.
KAID01804	Port error	Channel port blocking
KAID01805	Port error	CHB blocking
KAID01806	Port error	DKB blocking
KAID01807	Port error	Logical path(s) on the remote copy connections was logically blocked (Due to an error conditions)
KAID01808	Port error	The logical path has been recovered from blocked condition on the remote copy conditions
KAID01809	Port error	AL_PA value conflict
KAID01810	Port error	Link failure1
KAID01811	Port error	Link failure2
KAID01812	Port error	Optical signal output failure
KAID01813	Port error	LED status change failure
KAID01814	Port error	IP address conflict detection
KAID01815	Port error	External storage system connection path blocking
KAID01816	Port error	Threshold over by external storage system connection path response time-out
KAID01817	Processor error	Processor blocking
KAID01818	Processor error	FM error
KAID01819	Processor error	DKC Blockade.
KAID01820	Processor error	LDEV Blockade (Effect of microcode error)
KAID01821	Drive error (normalR/W)	Drive blockade (media) (with redundancy)
KAID01822	Drive error (normalR/W)	Drive blockade (media) (without redundancy)
KAID01823	Drive error (normalR/W)	Correction copy start
KAID01824	Drive error (normalR/W)	Correction copy normal end

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01825	Drive error (normalR/W)	Correction copy abnormal end
KAID01826	Drive error (normalR/W)	Correction copy warning end (With blockade LDEV or some error)
KAID01827	Drive error (normalR/W)	Dynamic sparing start (Drive copy)
KAID01828	Drive error (normalR/W)	Dynamic sparing normal end (Drive copy)
KAID01829	Drive error (normalR/W)	Dynamic sparing abnormal end (Drive copy)
KAID01830	Drive error (normalR/W)	Dynamic sparing warning end (With blockade LDEV or some error) (Drive copy)
KAID01831	ShadowImage error	ShadowImage Copy abnormal end
KAID01832	ShadowImage error	Forcible suspend by SM volatile (ShadowImage).
KAID01833	Volume Migration error	Volume Migration abnormal end
KAID01834	DCR status	PreStaging abnormal end
KAID01835	DynamicProvisioning Pool error	DP Pool Warning Threshold was exceeded
KAID01836	DynamicProvisioning Pool error	DP Pool FULL
KAID01837	DynamicProvisioning Pool error	DP Pools blocking by SM volatile.
KAID01838	DynamicProvisioning Pool error	DP Pool error is detected
KAID01839	DynamicProvisioning Pool error	SM Full (DP).
KAID01840	DynamicProvisioning Pool error	DP Pool threshold continues to be exceeded.
KAID01841	DynamicProvisioning Pool error	DP Pool Depletion threshold was exceeded
KAID01842	DynamicProvisioning Pool error	DP Pool LDEV blockade
KAID01843	SVP error	ISDN Router failure.
KAID01844	SVP error	Audit Log FTP Transfer failed.
KAID01845	Dump Tool	Dump Tool failed.
KAID01846	Virus detected	Clean virus from file.
KAID01847	Virus detected	Quarantine infected file.
KAID01848	Virus detected	Leave alone.
KAID01849	SVP failure License key	The term of validity is over P.P. name TrueCopy.
KAID01850	SVP failure License key	The term of validity is over P.P. name ShadowImage.

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01851	SVP failure License key	The term of validity is over P.P. name Universal Replicator.
KAID01852	SVP failure License key	The term of validity is over P.P. name Universal Volume Manager.
KAID01853	SVP failure License key	The term of validity is over P.P. name Open Volume Management.
KAID01854	SVP failure License key	The term of validity is over P.P. name Data Retention Utility.
KAID01855	SVP failure License key	The term of validity is over P.P. name LUN Manager.
KAID01856	SVP failure License key	The term of validity is over P.P. name Cache Residency Manager.
KAID01857	SVP failure License key	The term of validity is over P.P. name Performance Monitor.
KAID01858	SVP failure License key	The term of validity is over P.P. name Volume Migration.
KAID01859	SVP failure License key	The term of validity is over P.P. name Server Priority Manager.
KAID01860	SVP failure License key	The term of validity is over P.P. name Storage Navigator.
KAID01861	SVP failure License key	The term of validity is over P.P. name SNMP Agent.
KAID01862	SVP failure License key	The term of validity is over P.P. name JAVA API.
KAID01863	SVP failure License key	The term of validity is over P.P. name Configuration File Loader.
KAID01864	SVP failure License key	The term of validity is over P.P. name Virtual Partition Manager.
KAID01865	SVP failure License key	The term of validity is over P.P. name Volume Shredder.
KAID01866	SVP failure License key	The term of validity is over P.P. name Volume Migration V2.
KAID01867	SVP failure License key	The term of validity is over P.P. name Dynamic Provisioning.
KAID01868	SVP failure License key	The term of validity is over P.P. name Disaster Recovery Extended.
KAID01869	SVP failure License key	The term of validity is over P.P. name Dynamic Tiering.
KAID01870	SVP failure License key	The term of validity is over P.P. name Resource Partition Manager.
KAID01871	SVP failure License key	The capacity of validity is over P.P. name TrueCopy.

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01872	SVP failure License key	The capacity of validity is over P.P. name ShadowImage.
KAID01873	SVP failure License key	The capacity of validity is over P.P. name Universal Replicator.
KAID01874	SVP failure License key	The capacity of validity is over P.P. name Universal Volume Manager.
KAID01875	SVP failure License key	The capacity of validity is over P.P. name Open Volume Management.
KAID01876	SVP failure License key	The capacity of validity is over P.P. name Data Retention Utility.
KAID01877	SVP failure License key	The capacity of validity is over P.P. name LUN Manager.
KAID01878	SVP failure License key	The capacity of validity is over P.P. name Cache Residency Manager.
KAID01879	SVP failure License key	The capacity of validity is over P.P. name Performance Monitor.
KAID01880	SVP failure License key	The capacity of validity is over P.P. name Volume Migration.
KAID01881	SVP failure License key	The capacity of validity is over P.P. name Server Priority Manager.
KAID01882	SVP failure License key	The capacity of validity is over P.P. name Storage Navigator.
KAID01883	SVP failure License key	The capacity of validity is over P.P. name SNMP Agent.
KAID01884	SVP failure License key	The capacity of validity is over P.P. name JAVA API.
KAID01885	SVP failure License key	The capacity of validity is over P.P. name Configuration File Loader.
KAID01886	SVP failure License key	The capacity of validity is over P.P. name Virtual Partition Manager.
KAID01887	SVP failure License key	The capacity of validity is over P.P. name Volume Shredder.
KAID01888	SVP failure License key	The capacity of validity is over P.P. name Volume Migration V2.
KAID01889	SVP failure License key	The capacity of validity is over P.P. name Dynamic Provisioning.
KAID01890	SVP failure License key	The capacity of validity is over P.P. name Disaster Recovery Extended.
KAID01891	SVP failure License key	The capacity of validity is over P.P. name Dynamic Tiering.
KAID01892	SVP failure License key	The capacity of validity is over P.P. name Resource Partition Manager.

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01893	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name TrueCopy.
KAID01894	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name ShadowImage.
KAID01895	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Universal Replicator.
KAID01896	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Universal Volume Manager.
KAID01897	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Open Volume Management.
KAID01898	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Data Retention Utility.
KAID01899	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name LUN Manager.
KAID01900	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Cache Residency Manager.
KAID01901	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Performance Monitor.
KAID01902	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Volume Migration.
KAID01903	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Server Priority Manager.
KAID01904	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Storage Navigator.
KAID01905	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name SNMP Agent.
KAID01906	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name JAVA API.
KAID01907	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Configuration File Loader.
KAID01908	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Virtual Partition Manager.
KAID01909	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Volume Shredder.

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01910	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Volume Migration V2.
KAID01911	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Dynamic Provisioning.
KAID01912	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Disaster Recovery Extended.
KAID01913	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Dynamic Tiering.
KAID01914	SVP failure License key	The P.P. is invalid by assumption P.P. invalidity P.P. name Resource Partition Manager.
KAID01915	Clock synchronization	Synchronization time failure.
KAID01916	Power error	HDU power off
KAID01917	Environmental error	External temperature alarm.
KAID01918	Environmental error	External high temperature warning.
KAID01919	Environmental error	External low temperature warning.
KAID01920	Environmental error	DKCPS warning DKCPS1.
KAID01921	Environmental error	DKCPS warning DKCPS2.
KAID01922	Environmental error	DBPS error
KAID01923	Environmental error	DBPS AC input error
KAID01924	Environmental error	DKCFAN warning DKCFAN12.
KAID01925	Environmental error	DKCFAN warning DKCFAN22.
KAID01926	Environmental error	DKCFAN warning DKCFAN10.
KAID01927	Environmental error	DKCFAN warning DKCFAN20.
KAID01928	Environmental error	DKCFAN warning DKCFAN13.
KAID01929	Environmental error	DKCFAN warning DKCFAN23.
KAID01930	Environmental error	DKCFAN warning DKCFAN11.
KAID01931	Environmental error	DKCFAN warning DKCFAN21.
KAID01932	Environmental error	SVP RAS Switch#1 remains (SVP PS ON/OFF INH SW).
KAID01933	Environmental error	Battery chage EMPTY MAIN1.
KAID01934	Environmental error	Battery chage EMPTY MAIN2.
KAID01935	Environmental error	CM Backup mounting warning MAIN1 CFM.

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01936	Environmental error	CM Backup mounting warning MAIN2 CFM.
KAID01937	CHB/DKB error or MAIN Blade error	SAS CTL blocking
KAID01938	CHB/DKB error or MAIN Blade error	SAS PORT blocked
KAID01939	CHB/DKB error or MAIN Blade error	Logical DMA blocking
KAID01940	CHB/DKB error or MAIN Blade error	DRR blocking
KAID01941	CHB/DKB error or MAIN Blade error	DMA blocking
KAID01942	CHB/DKB error or MAIN Blade error	MAIN Blade blocking MAIN PCB location MAIN1.
KAID01943	CHB/DKB error or MAIN Blade error	MAIN Blade blocking MAIN PCB location MAIN2.
KAID01944	CHB/DKB error or MAIN Blade error	All DMA blocking MAIN PCB location MAIN1.
KAID01945	CHB/DKB error or MAIN Blade error	All DMA blocking MAIN PCB location MAIN2.
KAID01946	Pair volume status error	TrueCopy started the initialcopy or out of sync for this volume
KAID01947	Pair volume status error	TrueCopy completed the initial copy for this volume
KAID01948	Pair volume status error	TrueCopy for this volume was deleted (Operation from an SVP/remote console or a host processor)
KAID01949	Pair volume status error	TrueCopy completed the Create pair (No copy suspend)
KAID01950	Pair volume status error	Status of the R-VOL is changed
KAID01951	Pair volume status error	Start of differential copy
KAID01952	Pair volume status error	TrueCopy for this volume was suspended (Due to an unrecoverable failure on the remote copy connections)
KAID01953	Pair volume status error	TrueCopy for this volume was suspended (Due to an unrecoverable failure on the M-VOL or the remote copy connections)
KAID01954	Pair volume status error	TrueCopy for this volume was suspended (Due to an unrecoverable failure on the R-VOL)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01955	Pair volume status error	TrueCopy for this volume was suspended (Due to an internal error condition detected by the RCU)
KAID01956	Pair volume status error	TrueCopy for this volume was suspended (Caused by Delete pair operation was issued to the R-VOL)
KAID01957	Pair volume status error	The R-VOL has suspended. (Due to an unrecoverable failure on the remote copy connections)
KAID01958	Pair volume status error	Erase operation for this volume was not completed (Due to error conditions)
KAID01959	Pair volume status error	Status of the M-VOL was not consistent with the R-VOL
KAID01960	Pair volume failure	A volume to be used by the UR was defined
KAID01961	Pair volume failure	The volume being used by the UR began a copying
KAID01962	Pair volume failure	The volume being used by the UR completed a copying
KAID01963	Pair volume failure	The volume being used by the UR received a request for suspension
KAID01964	Pair volume failure	The volume being used by the UR completed a suspension Transaction
KAID01965	Pair volume failure	The volume being used by the UR received a request for deletion
KAID01966	Pair volume failure	The volume being used by the UR completed the deletion
KAID01967	Pair volume failure	The volume being used by the UR was defined (placed in the PSUS status immediately)
KAID01968	Pair volume failure	A Delta volume to be used by the UR was defined
KAID01969	Pair volume failure	A Delta volume to be used by the UR was redefine
KAID01970	Pair volume failure	A change to an S-VOL was received from the MCU
KAID01971	Pair volume failure	A volume being used by a P-VOL was suspended (Path recovery was impossible)
KAID01972	Pair volume failure	A volume being used by a P-VOL was suspended (A failure on the MCU side was detected)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01973	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL failure was detected)
KAID01974	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL was detected)
KAID01975	Pair volume failure	A volume being used by a P-VOL was suspended (Deletion of an S-VOL pair was detected)
KAID01976	Pair volume failure	A volume being used by an S-VOL was suspended (Path recovery was impossible)
KAID01977	Pair volume failure	A volume being used by an S-VOL was suspended (A failure on the RCU side was detected)
KAID01978	Pair volume failure	A Delta volume being used by a P-VOL was suspended
KAID01979	Pair volume failure	Pair suspend (Spread by error of another Affiliate)
KAID01980	Drive error (normalR/W)	Drive port blockade (Drive path: Boundary 0)
KAID01981	Drive error (normalR/W)	Drive port blockade (Drive path: Boundary 1)
KAID01982	Drive error (normalR/W)	LDEV blockade (Drive path: Boundary 0/ Effect of Drive port blockade)
KAID01983	Drive error (normalR/W)	LDEV blockade (Drive path: Boundary 1/ Effect of Drive port blockade)
KAID01984	Drive error (normalR/W)	Drive blockade (drive) (with redundancy)
KAID01985	Drive error (normalR/W)	Drive blockade (drive) (without redundancy)
KAID01986	Drive error (normalR/W)	Drive blockade (Effect of Dynamic sparing normal end)
KAID01987	Drive error (normalR/W)	LDEV blockade (Effect of drive blockade)
KAID01988	External device error	External storage system connection device blockade.
KAID01989	Environmental error	UNIT connection cable order error
KAID01990	Cache error	Cache Module Blockade Processing end
KAID01991	Cache error	Cache Package Blockade Processing End
KAID01992	Shared memory error	SM area blocking

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID01993	Shared memory error	Rebooted with volatilization after an instantaneous down.
KAID01994	Shared memory error	Recovery of area blocked temporarily was completed
KAID01995	Shared memory error	Area temporary blocking
KAID01996	Cache error	Cache temporary error
KAID01997	Cache error	Module group blocking
KAID01998	Cache error	Package blocking
KAID01999	Cache error	Area blocking

KAID02101 - KAID02907

This section describes the trap information output by the storage system.

- KAID02101 to KAID02463 alerts

  These alerts are trap information output by VSP G1000, G1500, and VSP F1500. For details about these alerts, see Table 3-5 KAID02101 - KAID02463 (trap information output by the VSP G1000, G1500, and VSP F1500 storage systems) on page 3-48.
- KAID02601 to KAID02907 alerts

  These alerts are trap information output by VSP Gx00 models and VSP Fx00 models. For details about these alerts, see Table 3-6 KAID02601 - KAID02907 (trap information output by the VSP Gx00 models and VSP Fx00 models storage system) on page 3-66.

Table 3-5 KAID02101 - KAID02463 (trap information output by the VSP G1000, G1500, and VSP F1500 storage systems)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02101	Port error	Chanel port blocking
KAID02102	Port error	Link failure1
KAID02103	Port error	Link failure2
KAID02104	Port error	HTP hard error
KAID02105	Port error	HTP blocking
KAID02106	Port error	External storage system connection path blocking
KAID02107	Port error	Threshold over by external storage system connection path response time-out

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02108	Processor error	Processor blocking
KAID02109	Processor error	FM error
KAID02110	Processor error	LDEV Blockade (Effect of microcode error)
KAID02111	CHA/DKA error	SAS CTL blocking
KAID02112	CHA/DKA error	SAS PORT blocked
KAID02113	CHA/DKA error	Chassis connection error
KAID02114	CHA/DKA error	DRR blocking
KAID02115	CHA/DKA error	DMA blocking
KAID02116	CHA/DKA error	LR blocking
KAID02117	CHA/DKA error	All DMA blocking
KAID02118	CHA/DKA error	Logical DMA blocking
KAID02119	CHA/DKA error	MFDMA blocking
KAID02120	Cache error	Cache Module Blockade Processing end
KAID02121	Cache error	Cache Package Blockade Processing end
KAID02122	Cache error	Cache temporary error
KAID02123	Cache error	Module group blocking
KAID02124	Cache error	Package blocking
KAID02125	Cache error	Area blocking
KAID02126	Shared memory error	SM area blocking
KAID02127	Shared memory error	Rebooted with volatilization after an instantaneous down
KAID02128	Shared memory error	Recovery of area blocked temporarily was completed
KAID02129	Shared memory error	Area temporary blocking
KAID02130	Drive error (normal R/W)	Drive port blockade (Drive path: Boundary 0)
KAID02131	Drive error (normal R/W)	Drive port blockade (Drive path: Boundary 1)
KAID02132	Drive error (normal R/W)	LDEV blockade (Drive path: Boundary 0/Effect of Drive port blockade)
KAID02133	Drive error (normal R/W)	LDEV blockade (Drive path: Boundary 1/Effect of Drive port blockade)
KAID02134	Drive error (normal R/W)	Drive Link Rate Abnormality (Drive path: Boundary 0)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02135	Drive error (normal R/W)	Drive Link Rate Abnormality (Drive path: Boundary 1)
KAID02136	Drive error (normal R/W)	Drive blockade (drive) (with redundancy)
KAID02137	Drive error (normal R/W)	Drive blockade (drive) (without redundancy)
KAID02138	Drive error (normal R/W)	Drive blockade (Effect of Dynamic sparing normal end)
KAID02139	Drive error (normal R/W)	LDEV blockade (Effect of drive blockade)
KAID02140	Drive error (normal R/W)	Correction access occurred
KAID02141	Drive error (normal R/W)	Drive blockade (media) (with redundancy)
KAID02142	Drive error (normal R/W)	Drive blockade (media) (without redundancy)
KAID02143	Drive error (normal R/W)	Correction copy start
KAID02144	Drive error (normal R/W)	Correction copy normal end
KAID02145	Drive error (normal R/W)	Correction copy abnormal end
KAID02146	Drive error (normal R/W)	Correction copy warning end (With blockade LDEV or some error)
KAID02147	Drive error (normal R/W)	Dynamic sparing start (Drive copy)
KAID02148	Drive error (normal R/W)	Dynamic sparing normal end (Drive copy)
KAID02149	Drive error (normal R/W)	Dynamic sparing abnormal end (Drive copy)
KAID02150	Drive error (normal R/W)	Dynamic sparing warning end (With blockade LDEV or some error) (Drive copy)
KAID02151	Flash drive replacement recommendation	Flash drive End of life
KAID02152	Flash module drive replacement recommendation	Flash module drive End of life
KAID02153	External device error	External storage system connection device blockade
KAID02154	SVP interface error	Ethernet error for SVP
KAID02155	SVP interface error	SIM transfer failure to SVP
KAID02156	System Disk	Audit Log lost
KAID02157	System Disk	Audit Log not access
KAID02158	Power error	HDU power off (CL1)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02159	Power error	HDU power off (CL2)
KAID02160	Power error	HDU power recovered (CL1)
KAID02161	Power error	HDU power recovered (CL2)
KAID02162	Server error	DB Validation error
KAID02163	Pair volume status error	TC-MF/TC started the initialcopy or out of sync for this volume
KAID02164	Pair volume status error	TC-MF/TC completed the initial copy for this volume
KAID02165	Pair volume status error	TC-MF/TC for this volume was deleted (Operation from an SVP/Web Console or a host processor)
KAID02166	Pair volume status error	TC-MF completed the Create pair (No copy suspend)
KAID02167	Pair volume status error	Remote Copy pair status change (MCU Command)
KAID02168	Pair volume status error	TC-MF/TC for this volume was suspended (Due to an unrecoverable failure on the remote copy connections)
KAID02169	Pair volume status error	TC-MF/TC for this volume was suspended (Due to an unrecoverable failure on the P-VOL or the remote copyconnections)
KAID02170	Pair volume status error	TC-MF/TC for this volume was suspended (Due to an unrecoverable failure on the S-VOL)
KAID02171	Pair volume status error	TC-MF for this volume was suspended (Caused by DFW to the S-VOL was prohibited)
KAID02172	Pair volume status error	TC-MF/TC for this volume was suspended (Due to an internal error condition detected by the RCU)
KAID02173	Pair volume status error	TC-MF/TC for this volume was suspended (Caused by Delete pair operation was issued to the S-VOL)
KAID02174	Pair volume status error	The S-VOL has suspended (Due to an unrecoverable failure on the remote copy connections)
KAID02175	Pair volume status error	Status of the P-VOL was not consistent with the S-VOL
KAID02176	Pair volume status error	A volume being used by an P-VOL changed status to suspend (continue)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02177	Pair volume status error	A volume being used by an P-VOL changed status to suspend (complete)
KAID02178	Pair volume status error	The volume of suspension (complete) did update I/O acceptance with P-VOL and it suspended it (Accept in complete update I/O)
KAID02179	LCP/FCP error (Remote Control Port)	Logical path(s) on the remote copy connections was logically blocked (Due to an error conditions)
KAID02180	LCP/FCP error (Remote Control Port)	The logical path has been recovered from blocked condition on the remote copy conditions
KAID02181	SI-MF error/ SI error/ FlashCopy (R) error	SI-MF/SI Copy abnormal end
KAID02182	SI-MF error/ SI error/ FlashCopy (R) error	FlashCopy (R) Option abnormal end
KAID02183	SI-MF error/ SI error/ FlashCopy (R) error	FlashCopy (R) Hierarchical Memory Access Error
KAID02184	SI-MF error/ SI error/ FlashCopy (R) error	All FlashCopy (R) Option abnormal end by SM volatile
KAID02185	SI-MF error/ SI error/ FlashCopy (R) error	Forcible suspend by SM volatile (SI-MF/SI)
KAID02186	Volume Migration error	Volume Migration abnormal end
KAID02187	XRC error	Sidefile 'sleep wait' threshold over
KAID02188	Thin Image error	Forcible suspend by SM volatile
KAID02189	Thin Image error	Thin Image Option abnormal end
KAID02190	Thin Image error	Warning before depletion of cache management devices
KAID02191	Thin Image Pool error	Pool utilization threshold excess
KAID02192	Thin Image Pool error	Pool blocking
KAID02193	Thin Image Pool error	SM Space Warning
KAID02194	Thin Image Pool error	SM Full
KAID02195	Dynamic Provisioning Pool error	The DP POOL Warning Threshold was exceeded
KAID02196	Dynamic Provisioning Pool error	The DP POOL FULL
KAID02197	Dynamic Provisioning Pool error	The DP POOL error is detected
KAID02198	Dynamic Provisioning Pool error	SM Full

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02199	Dynamic Provisioning Pool error	DP pool threshold continues to be exceeded
KAID02200	Dynamic Provisioning Pool error	The DP POOL Depletion threshold was exceeded
KAID02201	Dynamic Provisioning Pool error	The DP POOL LDEV blockade
KAID02202	Dynamic Provisioning Pool error	DP Protect attribute setting of Data Retention Utility
KAID02203	DCR Status	PreStaging abnormal end
KAID02204	Pair volume failure	A volume to be used by the UR was defined
KAID02205	Pair volume failure	The volume being used by the UR began a copying
KAID02206	Pair volume failure	The volume being used by the UR completed a copying
KAID02207	Pair volume failure	The volume being used by the UR received a request for suspension
KAID02208	Pair volume failure	The volume being used by the UR completed a suspension transaction
KAID02209	Pair volume failure	The volume being used by the UR received a request for deletion
KAID02210	Pair volume failure	The volume being used by the UR completed the deletion
KAID02211	Pair volume failure	The volume being used by the UR was defined (placed in the PSUS status immediately)
KAID02212	Pair volume failure	A Delta volume to be used by the UR was defined
KAID02213	Pair volume failure	A Delta volume to be used by the UR was redefine
KAID02214	Pair volume failure	A change to an S-VOL was received from the MCU
KAID02215	Pair volume failure	A volume being used by a P-VOL was suspended (Path recovery was impossible)
KAID02216	Pair volume failure	A volume being used by a P-VOL was suspended (A failure on the MCU side was detected)
KAID02217	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL failure was detected)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02218	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL was detected)
KAID02219	Pair volume failure	A volume being used by a P-VOL was suspended (Deletion of an S-VOL pair was detected)
KAID02220	Pair volume failure	A volume being used by an S-VOL was suspended (Path recovery was impossible)
KAID02221	Pair volume failure	A volume being used by an S-VOL was suspended (A failure on the RCU side was detected)
KAID02222	Pair volume failure	A Delta volume being used by a P-VOL was suspended
KAID02223	Pair volume failure	Pair suspend (Spread by error of another Affiliate)
KAID02224	Journal volume failure	UR M-JNL Meta overflow warning
KAID02225	Journal volume failure	UR M-JNL Data overflow warning
KAID02226	Journal volume failure	UR R-JNL Meta overflow warning
KAID02227	Journal volume failure	UR R-JNL Data overflow warning
KAID02228	Environmental error	External temperature alarm (DKC-0 CL 1)
KAID02229	Environmental error	External temperature alarm (DKC-0 CL 2)
KAID02230	Environmental error	External temperature alarm (DKC-1 CL 1)
KAID02231	Environmental error	External temperature alarm (DKC-1 CL 2)
KAID02232	Environmental error	External high temperature warning (DKC-0 CL 1)
KAID02233	Environmental error	External high temperature warning (DKC-0 CL 2)
KAID02234	Environmental error	External high temperature warning (DKC-1 CL 1)
KAID02235	Environmental error	External high temperature warning (DKC-1 CL 2)
KAID02236	Environmental error	External low temperature warning (DKC-0 CL 1)
KAID02237	Environmental error	External low temperature warning (DKC-0 CL 2)
KAID02238	Environmental error	External low temperature warning (DKC-1 CL 1)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02239	Environmental error	External low temperature warning (DKC-1 CL 2)
KAID02240	Environmental error	Internal temperature alarm (DKC-0 CL 1)
KAID02241	Environmental error	Internal temperature alarm (DKC-0 CL 2)
KAID02242	Environmental error	Internal temperature alarm (DKC-1 CL 1)
KAID02243	Environmental error	Internal temperature alarm (DKC-1 CL 2)
KAID02244	Environmental error	Internal high temperature warning 2 (DKC-0 CL 1)
KAID02245	Environmental error	Internal high temperature warning 2 (DKC-0 CL 2)
KAID02246	Environmental error	Internal high temperature warning 2 (DKC-1 CL 1)
KAID02247	Environmental error	Internal high temperature warning 2 (DKC-1 CL 2)
KAID02248	Environmental error	Internal low temperature warning 1 (DKC-0 CL 1)
KAID02249	Environmental error	Internal low temperature warning 1 (DKC-0 CL 2)
KAID02250	Environmental error	Internal low temperature warning 1 (DKC-1 CL 1)
KAID02251	Environmental error	Internal low temperature warning 1 (DKC-1 CL 2)
KAID02252	Environmental error	Logic PS voltage alarm (DKC-0 CL 1)
KAID02253	Environmental error	Logic PS voltage alarm (DKC-0 CL 2)
KAID02254	Environmental error	Logic PS voltage alarm (DKC-1 CL 1)
KAID02255	Environmental error	Logic PS voltage alarm (DKC-1 CL 2)
KAID02256	Environmental error	SSVP voltage warning (PS_SUB) (DKC-0 CL 1)
KAID02257	Environmental error	Logic PS voltage alarm (DKC-0 CL 2)
KAID02258	Environmental error	Logic PS voltage alarm (DKC-1 CL 1)
KAID02259	Environmental error	Logic PS voltage alarm (DKC-1 CL 2)
KAID02260	Environmental error	SSVP voltage warning (SVP supply) (DKC-0)
KAID02261	Environmental error	SSVP voltage warning (SVP supply) (DKC-1)
KAID02262	Environmental error	DKCPS warning (DKCPS-00)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02263	Environmental error	DKCPS warning (DKCPS-10)
KAID02264	Environmental error	DKCPS warning (DKCPS-01)
KAID02265	Environmental error	DKCPS warning (DKCPS-11)
KAID02266	Environmental error	DKCPS warning (DKCPS-02)
KAID02267	Environmental error	DKCPS warning (DKCPS-12)
KAID02268	Environmental error	DKCPS warning (DKCPS-03)
KAID02269	Environmental error	DKCPS warning (DKCPS-13)
KAID02270	Environmental error	DKCPS (HVDC) warning (DKCPS-00)
KAID02271	Environmental error	DKCPS (HVDC) warning (DKCPS-10)
KAID02272	Environmental error	DKCPS (HVDC) warning (DKCPS-01)
KAID02273	Environmental error	DKCPS (HVDC) warning (DKCPS-11)
KAID02274	Environmental error	DKCPS (HVDC) warning (DKCPS-02)
KAID02275	Environmental error	DKCPS (HVDC) warning (DKCPS-12)
KAID02276	Environmental error	DKCPS (HVDC) warning (DKCPS-03)
KAID02277	Environmental error	DKCPS (HVDC) warning (DKCPS-13)
KAID02278	Environmental error	DKCPS I2C Communication error (DKCPS-00)
KAID02279	Environmental error	DKCPS I2C Communication error (DKCPS-10)
KAID02280	Environmental error	DKCPS I2C Communication error (DKCPS-01)
KAID02281	Environmental error	DKCPS I2C Communication error (DKCPS-11)
KAID02282	Environmental error	DKCPS I2C Communication error (DKCPS-02)
KAID02283	Environmental error	DKCPS I2C Communication error (DKCPS-12)
KAID02284	Environmental error	DKCPS I2C Communication error (DKCPS-03)
KAID02285	Environmental error	DKCPS I2C Communication error (DKCPS-13)
KAID02286	Environmental error	DKCPS input voltage abnormality (DKCPS-00)
KAID02287	Environmental error	DKCPS input voltage abnormality (DKCPS-10)
KAID02288	Environmental error	DKCPS input voltage abnormality (DKCPS-01)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02289	Environmental error	DKCPS input voltage abnormality (DKCPS-11)
KAID02290	Environmental error	DKCPS input voltage abnormality (DKCPS-02)
KAID02291	Environmental error	DKCPS input voltage abnormality (DKCPS-12)
KAID02292	Environmental error	DKCPS input voltage abnormality (DKCPS-03)
KAID02293	Environmental error	DKCPS input voltage abnormality (DKCPS-13)
KAID02294	Environmental error	DKCFAN warning (DKCFAN-00)
KAID02295	Environmental error	DKCFAN warning (DKCFAN-10)
KAID02296	Environmental error	DKCFAN warning (DKCFAN-01)
KAID02297	Environmental error	DKCFAN warning (DKCFAN-11)
KAID02298	Environmental error	DKCFAN warning (DKCFAN-02)
KAID02299	Environmental error	DKCFAN warning (DKCFAN-12)
KAID02300	Environmental error	DKCFAN warning (DKCFAN-03)
KAID02301	Environmental error	DKCFAN warning (DKCFAN-13)
KAID02302	Environmental error	DKCFAN warning (DKCFAN-04)
KAID02303	Environmental error	DKCFAN warning (DKCFAN-14)
KAID02304	Environmental error	DKCFAN warning (DKCFAN-05)
KAID02305	Environmental error	DKCFAN warning (DKCFAN-15)
KAID02306	Environmental error	DKCFAN warning (DKCFAN-06)
KAID02307	Environmental error	DKCFAN warning (DKCFAN-16)
KAID02308	Environmental error	DKCFAN warning (DKCFAN-07)
KAID02309	Environmental error	DKCFAN warning (DKCFAN-17)
KAID02310	Environmental error	DKCFAN warning (DKCFAN-08)
KAID02311	Environmental error	DKCFAN warning (DKCFAN-18)
KAID02312	Environmental error	DKCFAN warning (DKCFAN-09)
KAID02313	Environmental error	DKCFAN warning (DKCFAN-19)
KAID02314	Environmental error	SVP RAS Switch#1 remains (SVP PS ON/OFF INH SW) (SVP-BASIC)
KAID02315	Environmental error	SVP RAS Switch#1 remains (SVP PS ON/OFF INH SW) (SVP-OPTION)
KAID02316	Environmental error	DKC ALARM LED light on
KAID02317	Environmental error	Duplex SVP Setup fail

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02318	SVP failure	SSVP error
KAID02319	SVP failure	ISDN Router failure
KAID02320	Audit Log	Audit Log FTP Transfer failed
KAID02321	Dump Tool	Dump Tool failed
KAID02322	SVP failure License key	The term of validity is over TrueCopy for Mainframe
KAID02323	SVP failure License key	The term of validity is over Compatible XRC
KAID02324	SVP failure License key	The term of validity is over TrueCopy
KAID02325	SVP failure License key	The term of validity is over ShadowImage for Mainframe
KAID02326	SVP failure License key	The term of validity is over Compatible FlashCopy (R) V2
KAID02327	SVP failure License key	The term of validity is over ShadowImage
KAID02328	SVP failure License key	The term of validity is over Universal Replicator for Mainframe
KAID02329	SVP failure License key	The term of validity is over Universal Replicator
KAID02330	SVP failure License key	The term of validity is over Universal Volume Manager
KAID02331	SVP failure License key	The term of validity is over Virtual LVI
KAID02332	SVP failure License key	The term of validity is over Open Volume Management
KAID02333	SVP failure License key	The term of validity is over Volume Retention Manager
KAID02334	SVP failure License key	The term of validity is over Data Retention Utility
KAID02335	SVP failure License key	The term of validity is over LUN Manager
KAID02336	SVP failure License key	The term of validity is over Cache Residency Manager for Mainframe
KAID02337	SVP failure License key	The term of validity is over Cache Residency Manager
KAID02338	SVP failure License key	The term of validity is over Performance Monitor
KAID02339	SVP failure License key	The term of validity is over Volume Migration
KAID02340	SVP failure License key	The term of validity is over Server Priority Manager

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02341	SVP failure License key	The term of validity is over PAV
KAID02342	SVP failure License key	The term of validity is over Storage Navigator
KAID02343	SVP failure License key	The term of validity is over SNMP Agent
KAID02344	SVP failure License key	The term of validity is over JAVA API
KAID02345	SVP failure License key	The term of validity is over Configuration File Loader
KAID02346	SVP failure License key	The term of validity is over Virtual Partition Manager
KAID02347	SVP failure License key	The term of validity is over Volume Shredder
KAID02348	SVP failure License key	The term of validity is over Volume Migration V2
KAID02349	SVP failure License key	The term of validity is over Dynamic Provisioning
KAID02350	SVP failure License key	The term of validity is over Disaster Recovery Extended
KAID02351	SVP failure License key	The term of validity is over Compatible Hyper PAV
KAID02352	SVP failure License key	The term of validity is over Mainframe Fibre Data Migration
KAID02353	SVP failure License key	The term of validity is over Compatible High Performance Connectivity for
KAID02354	SVP failure License key	The term of validity is over Dynamic Tiering
KAID02355	SVP failure License key	The term of validity is over SMI-S Provider
KAID02356	SVP failure License key	The term of validity is over Dynamic Provisioning for Mainframe
KAID02357	SVP failure License key	The term of validity is over Resource Partition Manager
KAID02358	SVP failure License key	The term of validity is over Compatible Software for IBM (R) FlashCopy (R) SE
KAID02359	SVP failure License key	The term of validity is over Dynamic Tiering for Mainframe
KAID02360	SVP failure License key	The term of validity is over Thin Image
KAID02361	SVP failure License key	The capacity of validity is over TrueCopy for Mainframe
KAID02362	SVP failure License key	The capacity of validity is over Compatible XRC

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02363	SVP failure License key	The capacity of validity is over TrueCopy
KAID02364	SVP failure License key	The capacity of validity is over ShadowImage for Mainframe
KAID02365	SVP failure License key	The capacity of validity is over Compatible FlashCopy (R) V2
KAID02366	SVP failure License key	The capacity of validity is over ShadowImage
KAID02367	SVP failure License key	The capacity of validity is over Universal Replicator for Mainframe
KAID02368	SVP failure License key	The capacity of validity is over Universal Replicator
KAID02369	SVP failure License key	The capacity of validity is over Universal Volume Manager
KAID02370	SVP failure License key	The capacity of validity is over Virtual LVI
KAID02371	SVP failure License key	The capacity of validity is over Open Volume Management
KAID02372	SVP failure License key	The capacity of validity is over Volume Retention Manager
KAID02373	SVP failure License key	The capacity of validity is over Data Retention Utility
KAID02374	SVP failure License key	The capacity of validity is over LUN Manager
KAID02375	SVP failure License key	The capacity of validity is over Cache Residency Manager for Mainframe
KAID02376	SVP failure License key	The capacity of validity is over Cache Residency Manager
KAID02377	SVP failure License key	The capacity of validity is over Performance Monitor
KAID02378	SVP failure License key	The capacity of validity is over Volume Migration
KAID02379	SVP failure License key	The capacity of validity is over Server Priority Manager
KAID02380	SVP failure License key	The capacity of validity is over PAV
KAID02381	SVP failure License key	The capacity of validity is over Storage Navigator
KAID02382	SVP failure License key	The capacity of validity is over SNMP Agent
KAID02383	SVP failure License key	The capacity of validity is over JAVA API

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02384	SVP failure License key	The capacity of validity is over Configuration File Loader
KAID02385	SVP failure License key	The capacity of validity is over Virtual Partition Manager
KAID02386	SVP failure License key	The capacity of validity is over Volume Shredder
KAID02387	SVP failure License key	The capacity of validity is over Volume Migration V2
KAID02388	SVP failure License key	The capacity of validity is over Dynamic Provisioning
KAID02389	SVP failure License key	The capacity of validity is over Disaster Recovery Extended
KAID02390	SVP failure License key	The capacity of validity is over Compatible Hyper PAV
KAID02391	SVP failure License key	The capacity of validity is over Mainframe Fibre Data Migration
KAID02392	SVP failure License key	The capacity of validity is over Compatible High Performance Connectivity for
KAID02393	SVP failure License key	The capacity of validity is over Dynamic Tiering
KAID02394	SVP failure License key	The capacity of validity is over SMI-S Provider
KAID02395	SVP failure License key	The capacity of validity is over Dynamic Provisioning for Mainframe
KAID02396	SVP failure License key	The capacity of validity is over Resource Partition Manager
KAID02397	SVP failure License key	The capacity of validity is over Compatible Software for IBM (R) FlashCopy (R) SE
KAID02398	SVP failure License key	The capacity of validity is over Dynamic Tiering for Mainframe
KAID02399	SVP failure License key	The capacity of validity is over Thin Image
KAID02400	SVP failure License key	The PP is invalid by assumption PP invalidity TrueCopy for Mainframe
KAID02401	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible XRC
KAID02402	SVP failure License key	The PP is invalid by assumption PP invalidity TrueCopy
KAID02403	SVP failure License key	The PP is invalid by assumption PP invalidity ShadowImage for Mainframe

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02404	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible FlashCopy (R) V2
KAID02405	SVP failure License key	The PP is invalid by assumption PP invalidity ShadowImage
KAID02406	SVP failure License key	The PP is invalid by assumption PP invalidity Universal Replicator for Mainframe
KAID02407	SVP failure License key	The PP is invalid by assumption PP invalidity Universal Replicator
KAID02408	SVP failure License key	The PP is invalid by assumption PP invalidity Universal Volume Manager
KAID02409	SVP failure License key	The PP is invalid by assumption PP invalidity Virtual LVI
KAID02410	SVP failure License key	The PP is invalid by assumption PP invalidity Open Volume Management
KAID02411	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Retention Manager
KAID02412	SVP failure License key	The PP is invalid by assumption PP invalidity Data Retention Utility
KAID02413	SVP failure License key	The PP is invalid by assumption PP invalidity LUN Manager
KAID02414	SVP failure License key	The PP is invalid by assumption PP invalidity Cache Residency Manager for Mainframe
KAID02415	SVP failure License key	The PP is invalid by assumption PP invalidity Cache Residency Manager
KAID02416	SVP failure License key	The PP is invalid by assumption PP invalidity Performance Monitor
KAID02417	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Migration
KAID02418	SVP failure License key	The PP is invalid by assumption PP invalidity Server Priority Manager
KAID02419	SVP failure License key	The PP is invalid by assumption PP invalidity PAV
KAID02420	SVP failure License key	The PP is invalid by assumption PP invalidity Storage Navigator
KAID02421	SVP failure License key	The PP is invalid by assumption PP invalidity SNMP Agent
KAID02422	SVP failure License key	The PP is invalid by assumption PP invalidity JAVA API
KAID02423	SVP failure License key	The PP is invalid by assumption PP invalidity Configuration File Loader

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02424	SVP failure License key	The PP is invalid by assumption PP invalidity Virtual Partition Manager
KAID02425	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Shredder
KAID02426	SVP failure License key	The PP is invalid by assumption PP invalidity Volume Migration V2
KAID02427	SVP failure License key	The PP is invalid by assumption PP invalidity Dynamic Provisioning
KAID02428	SVP failure License key	The PP is invalid by assumption PP invalidity Disaster Recovery Extended
KAID02429	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible Hyper PAV
KAID02430	SVP failure License key	The PP is invalid by assumption PP invalidity Mainframe Fibre Data Migration
KAID02431	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible High Performance Connectivity for
KAID02432	SVP failure License key	The PP is invalid by assumption PP invalidity Dynamic Tiering
KAID02433	SVP failure License key	The PP is invalid by assumption PP invalidity SMI-S Provider
KAID02434	SVP failure License key	The PP is invalid by assumption PP invalidity Dynamic Provisioning for Mainframe
KAID02435	SVP failure License key	The PP is invalid by assumption PP invalidity Resource Partition Manager
KAID02436	SVP failure License key	The PP is invalid by assumption PP invalidity Compatible Software for IBM (R) FlashCopy (R) SE
KAID02437	SVP failure License key	The PP is invalid by assumption PP invalidity Dynamic Tiering for Mainframe
KAID02438	SVP failure License key	The PP is invalid by assumption PP invalidity Thin Image
KAID02439	Synchronization time	Synchronization time failure
KAID02440	Processor error	DKC Blockade
KAID02441	Cache error	Cache battery is being charged
KAID02442	Pair volume status error	The S-VOL has suspended (Due to an unrecoverable failure on the S-VOL)
KAID02445	Encryption	No free encryption key
KAID02446	Encryption	Remaining free encryption key warning

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02447	Encryption	Acquisition failure of the outside encryption key
KAID02448	Pair volume failure	A volume being used by a GAD was suspended (Due to an unrecoverable failure on the remote copy connections)
KAID02449	Pair volume failure	A volume being used by a GAD was suspended (volume failure)
KAID02450	Pair volume failure	A volume being used by a GAD was suspended (Internal error failure)
KAID02451	Pair volume failure	In GAD, the P-VOL status was not consistent with the S-VOL status
KAID02452	SVP failure License key	The PP is invalid by assumption PP invalidity nondisruptive migration
KAID02453	SVP failure License key	The PP is invalid by assumption PP invalidity global-active device
KAID02454	Cache error	Start of Cache Write Through
KAID02455	Quorum Disk failure	Quorum Disk recovery
KAID02456	Quorum Disk failure	Quorum Disk blockade
KAID02457	SVP failure License key	The term of validity is over Encryption License Key
KAID02458	SVP failure License key	The term of validity is over nondisruptive migration
KAID02459	SVP failure License key	The term of validity is over global-active device
KAID02460	SVP failure License key	The capacity of validity is over Encryption License Key
KAID02461	SVP failure License key	The capacity of validity is over nondisruptive migration
KAID02462	SVP failure License key	The capacity of validity is over global-active device
KAID02463	SVP failure License key	The PP is invalid by assumption PP invalidity Encryption License Key
KAID02472	Drive error (normal R/W)	Flash module drive initialization failed
KAID02473	Differential area error	Differential area blocking
KAID02474	SVP failure License key	The term of validity is over Encryption License Key
KAID02475	SVP failure License key	The term of validity is over nondisruptive migration
KAID02476	SVP failure License key	The term of validity is over global-active device

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02477	SVP failure License key	The term of validity is over high temperature mode
KAID02478	SVP failure License key	The term of validity is over active flash
KAID02479	SVP failure License key	The term of validity is over active flash for mainframe
KAID02480	SVP failure License key	The term of validity is over FIPS140-2 Level2
KAID02481	SVP failure License key	The term of validity is over dedupe and compression
KAID02482	SVP failure License key	The capacity of validity is over Encryption License Key
KAID02483	SVP failure License key	The capacity of validity is over nondisruptive migration
KAID02484	SVP failure License key	The capacity of validity is over global-active device
KAID02485	SVP failure License key	The capacity of validity is over high temperature mode
KAID02486	SVP failure License key	The capacity of validity is over active flash
KAID02487	SVP failure License key	The capacity of validity is over active flash for mainframe
KAID02488	SVP failure License key	The capacity of validity is over FIPS140-2 Level2
KAID02489	SVP failure License key	The capacity of validity is over dedupe and compression
KAID02490	SVP failure License key	The PP is invalid by assumption PP invalidity Encryption License Key
KAID02491	SVP failure License key	The PP is invalid by assumption PP invalidity nondisruptive migration
KAID02492	SVP failure License key	The PP is invalid by assumption PP invalidity global-active device
KAID02493	SVP failure License key	The PP is invalid by assumption PP invalidity high temperature mode
KAID02494	SVP failure License key	The PP is invalid by assumption PP invalidity active flash
KAID02495	SVP failure License key	The PP is invalid by assumption PP invalidity active flash for mainframe
KAID02496	SVP failure License key	The PP is invalid by assumption PP invalidity FIPS140-2 Level2
KAID02497	SVP failure License key	The PP is invalid by assumption PP invalidity dedupe and compression

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02498	Environmental error	HDU External temperature Warning
KAID02499	Environmental error	HDU External temperature Alarm
KAID02500	Environmental error	External high temperature warning (DKC-0 CL 1)
KAID02501	Environmental error	External high temperature warning (DKC-0 CL 2)
KAID02502	Environmental error	External high temperature warning (DKC-1 CL 1)
KAID02503	Environmental error	External high temperature warning (DKC-1 CL 2)
KAID02504	CHA/DKA error	SAS CTL Error Detection

Table 3-6 KAID02601 - KAID02907 (trap information output by the VSP Gx00 models and VSP Fx00 models storage system)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02601	Port error	Channel port blocking
KAID02602	Port error	AL_PA value conflict
KAID02603	Port error	Link failure1
KAID02604	Port error	Link failure2
KAID02605	Port error	Optical signal output failure
KAID02606	Port error	LED status change failure
KAID02607	Port error	SFP wrong type
KAID02608	Port error	IP address conflict detection
KAID02609	Port error	SFP TxFault
KAID02610	Port error	External storage system connection path blocking
KAID02611	Port error	External storage system connection path restore
KAID02612	Port error	External storage system path response timeout
KAID02613	Processor error	CHK1A threshold over
KAID02614	Processor error	CHK1B threshold over
KAID02615	Processor error	CHK3 threshold over
KAID02616	Processor error	Processor blocking
KAID02617	Processor error	WCHK1 dump collected
KAID02618	Processor error	CFM warning

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02619	Processor error	Incorrect SUM value of FM
KAID02620	Processor error	Processor memory temporary error
KAID02621	Processor error	BFM error
KAID02622	Processor error	completion of CTL automatic recovery
KAID02623	Processor error	P/S OFF impossible
KAID02624	Processor error	P/S OFF impossible(Device reserved)
KAID02625	Processor error	Undefined Processor is mounted
KAID02626	Processor error	V-R or serial number is inconsistent
KAID02627	Processor error	Replace failed
KAID02628	Processor error	MP patrol check error
KAID02629	Processor error	Backup/restore SM Information failed(Backup failed)
KAID02630	Processor error	Backup/restore SM Information failed(Recovery failed)
KAID02631	Processor error	LDEV Blockade (Effect of micro code error)
KAID02632	Channel Board/Disk Board error	CHB blocking
KAID02633	Channel Board/Disk Board error	DKB blocking
KAID02634	Channel Board/Disk Board error	CHB/DKB Type disagreement
KAID02635	Channel Board/Disk Board error	Acquisition failure of the outside encryption key
KAID02636	Channel Board/Disk Board error	SAS CTL blocking
KAID02637	Channel Board/Disk Board error	SAS PORT temporary failure
KAID02638	Channel Board/Disk Board error	SAS PORT blocked
KAID02639	Controller Board error	CTL blocking
KAID02640	Controller Board error	LANB1 blocking
KAID02641	Controller Board error	LANB2 blocking
KAID02642	Controller Board error	CFM patrol check error
KAID02643	Controller Board error	GUM blocking
KAID02644	Environmental abnormality	Injustice DC voltage control
KAID02645	Environmental abnormality	Injustice CEMODE

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02646	Environmental abnormality	Injustice CEDT
KAID02647	Environmental abnormality	Unjust jumper setting warning
KAID02648	Environmental abnormality	MP temperature abnormality warning
KAID02649	Environmental abnormality	External high temperature warning
KAID02650	Environmental abnormality	External temperature alarm
KAID02651	Environmental abnormality	Thermal monitor warning
KAID02652	Environmental abnormality	DKCPSU warning
KAID02653	Environmental abnormality	DKCPS input voltage Abnormality
KAID02654	Environmental abnormality	Environmental microcomputer warning
KAID02655	Environmental abnormality	Storage system operation mode warning
KAID02656	Environmental abnormality	Environment FW update warning
KAID02657	Environmental abnormality	Abnormal voltage change setting
KAID02658	Environmental abnormality	BKM/BKMF warning
KAID02659	Environmental abnormality	Battery life warning
KAID02660	Environmental abnormality	DBPS failed
KAID02661	Environmental abnormality	Abnormal DBPS input voltage
KAID02662	Environmental abnormality	DB External temperature Warning
KAID02663	Environmental abnormality	DB External temperature Alarm
KAID02664	Environmental abnormality	ENC failed
KAID02665	Environmental abnormality	UPS failed
KAID02666	Environmental abnormality	GUM warning
KAID02667	Environmental abnormality	CFM failed
KAID02668	Environmental abnormality	FAN warning
KAID02669	Environmental abnormality	Battery warning
KAID02670	Environmental abnormality	Forced volatilization warning
KAID02671	Environmental abnormality	Expander error
KAID02672	Environmental abnormality	UNIT connection cable order error
KAID02673	Cache error	Pinned slot
KAID02674	Cache error	Area is volatilized
KAID02675	Cache error	Data restoration error in the module group
KAID02676	Cache error	Area blocking
KAID02677	Cache error	Both area failed

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02678	Cache error	Replace failed
KAID02679	Cache error	Cache Battery is being charged
KAID02680	Cache error	End of Cache Write Through(Battery charge waiting complete)
KAID02681	Cache error	End of Cache Write Through(Battery cannot be charged)
KAID02682	Cache error	Start of Cache Write Through(Battery charge waiting complete)
KAID02683	Cache error	Start of Cache Write Through(Battery cannot be charged)
KAID02684	Cache error	CFM type error or CFM shortage
KAID02685	Cache error	Mounting Battery shortage
KAID02686	Shared memory error	DIMM Installation mismatch
KAID02687	Shared memory error	Cache package blockade processing end
KAID02688	Shared memory error	SM area blocking
KAID02689	Shared memory error	Replace failed
KAID02690	Shared memory error	Configuration information compare error
KAID02691	Shared memory error	Rebooted with volatilization after an instantaneous down
KAID02692	Shared memory error	Recovery of area blocked temporarily was completed
KAID02693	Shared memory error	Area temporary blocking
KAID02694	Shared memory error	Rebooted without volatilization after an instantaneous down
KAID02695	Drive error(normal R/W)	Drive port temporary error(Boundary 0)
KAID02696	Drive error(normal R/W)	Drive port temporary error(Boundary 1))
KAID02697	Drive error(normal R/W)	Drive temporary error
KAID02698	Drive error(normal R/W)	Drive media error
KAID02699	Drive error(normal R/W)	Drive port blockade(Boundary 0)
KAID02700	Drive error(normal R/W)	Drive port blockade(Boundary 1)
KAID02701	Drive error(normal R/W)	LDEV blockade(Boundary 0)(Effect of Drive port blockade)
KAID02702	Drive error(normal R/W)	LDEV blockade(Boundary 1)(Effect of Drive port blockade)
KAID02703	Drive error(normal R/W)	Abnormal drive Link rate

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02704	Drive error(normal R/W)	Abnormal drive Link rate
KAID02705	Drive error(normal R/W)	Response late Drive
KAID02706	Drive error(normal R/W)	Drive blockade (drive)(with redundancy)
KAID02707	Drive error(normal R/W)	Drive blockade (drive)(without redundancy)
KAID02708	Drive error(normal R/W)	Drive blockade(Effect of Drive Copy normal end)
KAID02709	Drive error(normal R/W)	LDEV blockade (Effect of not setting a code)
KAID02710	Drive error(normal R/W)	LDEV blockade (Effect of drive blockade)
KAID02711	Drive error(normal R/W)	Correction access occurrence
KAID02712	Drive error(normal R/W)	Drive blockade (media)(with redundancy)
KAID02713	Drive error(normal R/W)	Drive blockade (media)(without redundancy)
KAID02714	Drive error(normal R/W)	Correction copy start
KAID02715	Drive error(normal R/W)	Correction copy normal end
KAID02716	Drive error(normal R/W)	Correction copy abnormal end
KAID02717	Drive error(normal R/W)	Correction copy discontinued
KAID02718	Drive error(normal R/W)	Correction copy warning end(With blockade LDEV or some error)
KAID02719	Drive error(normal R/W)	Dynamic sparing start(Drive copy)
KAID02720	Drive error(normal R/W)	Dynamic sparing normal end(Drive copy)
KAID02721	Drive error(normal R/W)	Dynamic sparing abnormal end(Drive copy)
KAID02722	Drive error(normal R/W)	Dynamic sparing discontinued(Drive copy)
KAID02723	Drive error(normal R/W)	Dynamic sparing warning end (With blockade LDEV or some error) (Drive copy)
KAID02724	Drive error(normal R/W)	Pinned slot creation
KAID02725	Drive error(ORM)	Drive temporary error
KAID02726	Drive error(ORM)	Drive media error
KAID02727	Recommend drive replacement	Flash drive End of life
KAID02728	Recommend drive replacement	Flash module drive End of life

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02729	Flash module drive error	Flash module drive battery error (ORM)
KAID02730	Flash module drive error	Flash module drive battery error
KAID02731	Flash module drive error	Flash module drive battery warning
KAID02732	Flash module drive error	Flash module drive battery capacity shortage
KAID02733	Flash module drive error	Flash module drive microprogram version warning
KAID02734	Expander microprogram replacement	Expander microprogram replacement failure
KAID02735	PDEV Erase	PDEV Erase Start
KAID02736	PDEV Erase	PDEV Erase Normal End
KAID02737	PDEV Erase	PDEV Erase Abnormal End
KAID02738	External device error	External storage system connection device blockade
KAID02739	External device error	Abnormal end of Write processing in External storage system
KAID02740	External device error	Abnormal end of Read processing in External storage system
KAID02741	Cache Condition	Cache overload condition
KAID02742	Format	Format complete(Normal end)
KAID02743	Format	Format complete(Abnormal end)
KAID02744	Format	Format complete(Partial abnormal end)
KAID02745	Format	Quick Format finish
KAID02746	Audit Log	Audit Log lost
KAID02747	Power error	Drive Box power off
KAID02748	Power error	Drive Box power recovered
KAID02749	Power error	Controller Chassis was set to power errormode
KAID02750	Power error	Controller Chassis was released from power error mode
KAID02751	Power error	When Controller Chassis was set to power error mode, Urgent Destaging start succeeded
KAID02752	Power error	When Controller Chassis was set to power error mode, Urgent Destaging start failed
KAID02753	Power error	Server failure

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02754	Long Life support indicator	The upper temperature limit was exceeded
KAID02755	CUDG error	CUDG detected error
KAID02756	Pair volume status error	TrueCopy started the initialcopy or out of sync for this volume
KAID02757	Pair volume status error	TrueCopy completed the initial copy for this volume
KAID02758	Pair volume status error	TrueCopy for this volume was deleted
KAID02759	Pair volume status error	Status of the R-VOL is changed
KAID02760	Pair volume status error	TrueCopy for this volume was suspended (Due to an unrecoverable failure on the remote copy connections)
KAID02761	Pair volume status error	TrueCopy for this volume was suspended (Due to an unrecoverable failure on the P-VOL or the remote copyconnections)
KAID02762	Pair volume status error	TrueCopy for this volume was suspended (Due to an unrecoverable failure on the R-VOL)
KAID02763	Pair volume status error	TrueCopy for this volume was suspended (Due to an internal error condition detected by the RCU)
KAID02764	Pair volume status error	TrueCopy for this volume was suspended (Caused by Delete pair operation was issued to the R-VOL)
KAID02765	Pair volume status error	The R-VOL has suspended (Due to an unrecoverable failure on the remote copy connections)
KAID02766	Pair volume status error	The R-VOL has suspended (Due to an unrecoverable failure on the R-VOL)
KAID02767	Pair volume status error	Status of the M-VOL was not consistent with the R-VOL
KAID02768	FCP error (Remote Control Port)	Logical path(s) on the remote copy connections was logically blocked (Due to an error conditions)
KAID02769	FCP error (Remote Control Port)	The logical path has been recovered from blocked condition on the remote copy conditions
KAID02770	ShadowImage error	ShadowImage Copy abnormal end
KAID02771	ShadowImage error	Forcible suspend by SM volatile
KAID02772	Volume Migration error	Volume Migration abnormal end
KAID02773	Thin Image error	Forcible suspend by SM volatile

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02774	Thin Image error	`Thin Image` Option abnormal end
KAID02775	Thin Image error	Warning before depletion of cache management devices
KAID02776	Thin Image Pool error	Pool utilization threshold excess
KAID02777	Thin Image Pool error	Pool blocking
KAID02778	Thin Image Pool error	SM Space Warning
KAID02779	Thin Image Pool error	SM Full
KAID02780	DynamicProvisioning Pool error	The DP POOL Warning threshold was exceeded
KAID02781	DynamicProvisioning Pool error	The DP POOL FULL
KAID02782	DynamicProvisioning Pool error	The DP POOL error is detected
KAID02783	DynamicProvisioning Pool error	The DP POOLs blocking by SM volatile.
KAID02784	DynamicProvisioning Pool error	SM Full
KAID02785	DynamicProvisioning Pool error	DP pool threshold continues to be exceeded
KAID02786	DynamicProvisioning Pool error	DP pool threshold continues to be exceeded
KAID02787	DynamicProvisioning Pool error	The DP POOL LDEV blockade
KAID02788	DynamicProvisioning Pool error	DP Protect attribute setting of Data Retention Utility
KAID02789	DCR Status	PreStaging abnormal end
KAID02790	Encryption	No free encryption key
KAID02791	Encryption	Remaining free encryption key warning
KAID02792	Encryption	Acquisition failure of the outside encryption key
KAID02793	Pair volume failure	A volume to be used by the UR was defined
KAID02794	Pair volume failure	The volume being used by the UR began a copying
KAID02795	Pair volume failure	The volume being used by the UR completed a copying
KAID02796	Pair volume failure	The volume being used by the UR received a request for suspension
KAID02797	Pair volume failure	The volume being used by the UR completed a suspension Transaction
KAID02798	Pair volume failure	The volume being used by the UR received a request for deletion

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02799	Pair volume failure	The volume being used by the UR completed the deletion
KAID02800	Pair volume failure	The volume being used by the UR was defined (placed in the PSUS status immediately)
KAID02801	Pair volume failure	A change to an S-VOL was received from the MCU
KAID02802	Pair volume failure	A change to an S-VOL was received from the RCU
KAID02803	Pair volume failure	A volume being used by a P-VOL was suspended (Path recovery was impossible)
KAID02804	Pair volume failure	A volume being used by a P-VOL was suspended (A failure on the MCU side was detected)
KAID02805	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL failure was detected)
KAID02806	Pair volume failure	A volume being used by a P-VOL was suspended (Suspension of an S-VOL was detected)
KAID02807	Pair volume failure	A volume being used by a P-VOL was suspended (Deletion of an S-VOL pair was detected)
KAID02808	Pair volume failure	A volume being used by an S-VOL was suspended (Path recovery was impossible)
KAID02809	Pair volume failure	A volume being used by an S-VOL was suspended (A failure on the RCU side was detected)
KAID02810	Pair volume failure	A volume being used by an S-VOL was suspended (P/S OFF on the MCU side was detected)
KAID02811	Pair volume failure	Pair suspend (Spread by error of another Affiliate)
KAID02812	Pair volume failure	UR M-JNL Meta overflow warning
KAID02813	Pair volume failure	UR M-JNL Data overflow warning
KAID02814	Pair volume failure	UR R-JNL Meta overflow warning
KAID02815	Pair volume failure	UR R-JNL Data overflow warning
KAID02816	Pair volume failure	The UR Read JNL was interrupted for one minute (A failure on the MCU side was detected)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02817	Pair volume failure	The UR Read JNL was interrupted for five minute (A failure on the MCU side was detected)
KAID02818	Pair volume failure	The UR Read JNL was interrupted for one minute (A failure on the RCU side was detected)
KAID02819	Pair volume failure	The UR Read JNL was interrupted for five minute (A failure on the RCU side was detected)
KAID02820	Quorum Disk failure	Quorum Disk Restore
KAID02821	Quorum Disk failure	Quorum Disk Blocked
KAID02822	License key failure	The term of validity is over TrueCopy
KAID02823	License key failure	The term of validity is over ShadowImage
KAID02824	License key failure	The term of validity is over Universal Replicator
KAID02825	License key failure	The term of validity is over Universal Volume Manager
KAID02826	License key failure	The term of validity is over Open Volume Management
KAID02827	License key failure	The term of validity is over Data Retention Utility
KAID02828	License key failure	The term of validity is over LUN Manager
KAID02829	License key failure	The term of validity is over Performance Monitor
KAID02830	License key failure	The term of validity is over Volume Migration
KAID02831	License key failure	The term of validity is over Server Priority Manager
KAID02832	License key failure	The term of validity is over Storage Navigator
KAID02833	License key failure	The term of validity is over SNMP Agent
KAID02834	License key failure	The term of validity is over JAVA API
KAID02835	License key failure	The term of validity is over Virtual Partition Manager
KAID02836	License key failure	The term of validity is over Volume Shredder
KAID02837	License key failure	The term of validity is over Volume Migration V2

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02838	License key failure	The term of validity is over Dynamic Provisioning
KAID02839	License key failure	The term of validity is over Remote Replication Extended
KAID02840	License key failure	The term of validity is over Encryption License Key
KAID02841	License key failure	The term of validity is over Dynamic Tiering
KAID02842	License key failure	The term of validity is over SMI-S Provider
KAID02843	License key failure	The term of validity is over Resource Partition Manager
KAID02844	License key failure	The term of validity is over Thin Image
KAID02845	License key failure	The term of validity is over Model upgrade license
KAID02846	License key failure	The capacity of validity is over TrueCopy
KAID02847	License key failure	The capacity of validity is over ShadowImage
KAID02848	License key failure	The capacity of validity is over Universal Replicator
KAID02849	License key failure	The capacity of validity is over Universal Volume Manager
KAID02850	License key failure	The capacity of validity is over Open Volume Management
KAID02851	License key failure	The capacity of validity is over Data Retention Utility
KAID02852	License key failure	The capacity of validity is over LUN Manager
KAID02853	License key failure	The capacity of validity is over Performance Monitor
KAID02854	License key failure	The capacity of validity is over Volume Migration
KAID02855	License key failure	The capacity of validity is over Server Priority Manager
KAID02856	License key failure	The capacity of validity is over Storage Navigator
KAID02857	License key failure	The capacity of validity is over SNMP Agent
KAID02858	License key failure	The capacity of validity is over JAVA API

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02859	License key failure	The capacity of validity is over Virtual Partition Manager
KAID02860	License key failure	The capacity of validity is over Volume Shredder
KAID02861	License key failure	The capacity of validity is over Volume Migration V2
KAID02862	License key failure	The capacity of validity is over Dynamic Provisioning
KAID02863	License key failure	The capacity of validity is over Remote Replication Extended
KAID02864	License key failure	The capacity of validity is over Encryption License Key
KAID02865	License key failure	The capacity of validity is over Dynamic Tiering
KAID02866	License key failure	The capacity of validity is over SMI-S Provider
KAID02867	License key failure	The capacity of validity is over Resource Partition Manager
KAID02868	License key failure	The capacity of validity is over Thin Image
KAID02869	License key failure	The capacity of validity is over Model upgrade license
KAID02870	License key failure	The PP is invalid by assumption PP invalidity TrueCopy
KAID02871	License key failure	The PP is invalid by assumption PP invalidity ShadowImage
KAID02872	License key failure	The PP is invalid by assumption PP invalidity Universal Replicator
KAID02873	License key failure	The PP is invalid by assumption PP invalidity Universal Volume Manager
KAID02874	License key failure	The PP is invalid by assumption PP invalidity Open Volume Management
KAID02875	License key failure	The PP is invalid by assumption PP invalidity Data Retention Utility
KAID02876	License key failure	The PP is invalid by assumption PP invalidity LUN Manager
KAID02877	License key failure	The PP is invalid by assumption PP invalidity Performance Monitor
KAID02878	License key failure	The PP is invalid by assumption PP invalidity Volume Migration
KAID02879	License key failure	The PP is invalid by assumption PP invalidity Server Priority Manager

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02880	License key failure	The PP is invalid by assumption PP invalidity Storage Navigator
KAID02881	License key failure	The PP is invalid by assumption PP invalidity SNMP Agent
KAID02882	License key failure	The PP is invalid by assumption PP invalidity JAVA API
KAID02883	License key failure	The PP is invalid by assumption PP invalidity Virtual Partition Manager
KAID02884	License key failure	The PP is invalid by assumption PP invalidity Volume Shredder
KAID02885	License key failure	The PP is invalid by assumption PP invalidity Volume Migration V2
KAID02886	License key failure	The PP is invalid by assumption PP invalidity Dynamic Provisioning
KAID02887	License key failure	The PP is invalid by assumption PP invalidity Remote Replication Extended
KAID02888	License key failure	The PP is invalid by assumption PP invalidity Encryption License Key
KAID02889	License key failure	The PP is invalid by assumption PP invalidity Dynamic Tiering
KAID02890	License key failure	The PP is invalid by assumption PP invalidity SMI-S Provider
KAID02891	License key failure	The PP is invalid by assumption PP invalidity Resource Partition Manager
KAID02892	License key failure	The PP is invalid by assumption PP invalidity Thin Image
KAID02893	License key failure	The PP is invalid by assumption PP invalidity Model upgrade license
KAID02894	GUM error	GUM error(CTL1)
KAID02895	GUM error	GUM error(CTL2)
KAID02896	GUM error	LAN error(Internal Network)(CTL1)
KAID02897	GUM error	LAN error(Internal Network)(CTL2)
KAID02898	GUM error	LAN error(CTL1-CTL2)(CTL1)
KAID02899	GUM error	LAN error(CTL1-CTL2)(CTL2)
KAID02900	GUM error	GUM AuditLog lost(CTL1)
KAID02901	GUM error	GUM AuditLog lost(CTL2)
KAID02902	GUM error	GUM AuditLog Warning,Threshold was exceeded(CTL1)
KAID02903	GUM error	GUM AuditLog Warning,Threshold was exceeded(CTL2)

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02904	GUM error	Notification of Alert failed(CTL1)
KAID02905	GUM error	Notification of Alert failed(CTL2)
KAID02906	Time Synchronization	Time Synchronization error
KAID02907	Processor boot failure	BOOT detected error
KAID02916	NAS Module error	NAS Module blocking
KAID02917	NAS Module error	NAS SFP type error
KAID02918	NAS Module error	NAS SFP module error
KAID02919	Channel Board Box error	PECB blocking
KAID02920	Channel Board Box error	SWPK blocking
KAID02921	Channel Board Box error	PECB warning
KAID02922	Processor error	Unified Hypervisor blocking
KAID02923	Environmental abnormality	Injustice CEMODE
KAID02924	Channel Board/Disk Board error	No CHB mounted
KAID02925	Drive error (normal R/W)	Collection Copy/Copyback disabled (drive replace)
KAID02926	Drive error (normal R/W)	Flash module drive initialization failed
KAID02927	Differential area error	Differential area blocking
KAID02928	GUM detection error	MP error
KAID02929	GUM detection error	GUM security error detected (CTL 1)
KAID02930	GUM detection error	GUM security error detected (CTL 2)
KAID02931	GUM detection error	Failed to recover GUM configuration information (CTL 1)
KAID02932	GUM detection error	Failed to recover GUM configuration information (CTL 2)
KAID02933	GUM detection error	DKC warning
KAID02934	GUM detection error	GUM version warning (CTL 1)
KAID02935	GUM detection error	GUM version warning (CTL 2)
KAID02936	Pair Failure SIM Reduce	SI
KAID02937	Pair Failure SIM Reduce	TI
KAID02938	Pair Failure SIM Reduce	Volume Migration
KAID02939	License key failure	License key has expired nondisruptive migration
KAID02940	License key failure	License key has expired global-active device
KAID02941	License key failure	License key has expired active flash

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02942	License key failure	License key has expired All Flash Array
KAID02943	License key failure	License key has expired dedupe and compression
KAID02944	License key failure	Allowed capacity was exceeded nondisruptive migration
KAID02945	License key failure	Allowed capacity was exceeded global-active device
KAID02946	License key failure	Allowed capacity was exceeded active flash
KAID02947	License key failure	Allowed capacity was exceeded All Flash Array
KAID02948	License key failure	Allowed capacity was exceeded dedupe and compression
KAID02949	License key failure	Program Product was invalidated due to expiration of premise Program Product nondisruptive migration
KAID02950	License key failure	Program Product was invalidated due to expiration of premise Program Product global-active device
KAID02951	License key failure	Program Product was invalidated due to expiration of premise Program Product active flash
KAID02952	License key failure	Program Product was invalidated due to expiration of premise Program Product All Flash Array
KAID02953	License key failure	Program Product was invalidated due to expiration of premise Program Product dedupe and compression
KAID02954	Environmental abnormality	CHBB environmental microcontroller warning
KAID02955	Environmental abnormality	CHBB environmental firmware update warning
KAID02956	Environmental abnormality	SWPK temperature warning
KAID02957	Environmental abnormality	CHBB voltage change failure warning
KAID02958	Environmental abnormality	CHBBPS warning
KAID02959	Environmental abnormality	CHBBPS abnormal input voltage
KAID02960	Environmental abnormality	CHBBFAN warning
KAID02961	Environmental abnormality	Panel switch warning
KAID02962	Environmental abnormality	Invalid PS ON warning
KAID02963	Environmental abnormality	Life expiry warning for DB air filter
KAID02964	Environmental abnormality	Life expiry warning for DKC air filter

Alert ID	Error contents	Information displayed in the DESCRIPTION field
KAID02965	Channel Board/Disk Board error	SAS CTL Error Detection
KAID02966	Pair volume failure	A Delta volume to be used by the URMF/UR was defined
KAID02967	Pair volume failure	A Delta volume to be used by the URMF/UR was redefine
KAID02968	Pair volume failure	A Delta volume being used by a P-VOL was suspended
KAID02969	Pair volume failure	A volume being used by a GAD was suspended (Due to an unrecoverable failure on the remote copy connections)
KAID02970	Pair volume failure	A volume being used by a GAD was suspended (volume failure)
KAID02971	Pair volume failure	A volume being used by a GAD was suspended (Internal error failure)
KAID02972	Pair volume failure	In GAD, the P-VOL status was not consistent with the S-VOL status
KAID02973	Unified Hypervisor failure	Unified Hypervisor failure (S/W failure)
KAID02974	NASFW failure	NASFW failure (Unified Hypervisor failure)
KAID02975	Hypervisor Network Module failure	Hypervisor Network Module failure
KAID02976	NASFW failure	NASFW persistent failure
KAID02977	NASFW failure	NASFW failure (S/W failure)
KAID02978	Unified Hypervisor failure	Unified Hypervisor partial failure (S/W failure)
KAID02979	NASFW failure	NASFW boot failure (MBR corruption)
KAID02980	Unified Hypervisor failure	Unified Hypervisor failure (Boot disk access error)
KAID02981	NASFW failure	NASFW boot failure (during start up or maintenance)
KAID02982	Drive error (normal R/W)	Reboot suspension by the excessive write pending data
KAID02983	Environmental abnormality	PCIe cable connection error
KAID02984	Environmental abnormality	Part Installation Error
KAID02985	Cache error	Cache correctable error

KAID10001 - KAID11028

This section describes alerts that indicate a location in the storage system.

- KAID10001 to KAID10312 alerts

  These alerts are related to the Virtual Storage Platform, Universal Storage Platform V/VM, HUS VM , VSP Gx00 models, and VSP Fx00 models storage systems. For details about these alerts, see Table 3-7 KAID10001 - KAID10312 (alerts indicating a location in the Virtual Storage Platform, Universal Storage Platform V/VM, HUS VM , VSP Gx00 models, and VSP Fx00 models storage systems) on page 3-82.

- KAID11001 to KAID11028 alerts

  These alerts are related to the HUS100 and Hitachi AMS2000/AMS/WMS/SMS storage systems. For details about these alerts, see Table 3-8 KAID11001 - KAID11028 (alerts indicating a location in the HUS100 and Hitachi AMS2000/AMS/WMS/SMS storage systems) on page 3-83.

Table 3-7 KAID10001 - KAID10312 (alerts indicating a location in the Virtual Storage Platform, Universal Storage Platform V/VM, HUS VM , VSP Gx00 models, and VSP Fx00 models storage systems)

Alert ID	Information displayed in the COMPONENT field indicating the alert part of a storage subsystem	Information displayed in the DESCRIPTION field
KAID10001	DKC Processor	The information displayed in the DESCRIPTION field depends on the alert level. The information displayed in the DESCRIPTION field is as follows: • When the alert level has been changed from another level to Normal: This indicates that the cause of an Acute, Serious, Moderate, or Service status has been corrected, and the status has returned to normal. • When the alert level is Acute, Serious, Moderate, or Service: Any Acute, Serious, Moderate, or Service, the error is reported in COMPONENT.
KAID10002	DKC Cache Switch	
KAID10003	DKC Cache	
KAID10004	DKC Shared Memory	
KAID10005	DKC Power Supply	
KAID10006	DKC Battery	
KAID10007	DKC Fan	
KAID10008	DKC Environment	
KAID10009	DKU Power Supply#1	
KAID10010	DKU Fan#1	
KAID10011	DKU Environment#1	
KAID10012	DKU Drive#1	
KAID10309	DB Power Supply#2	
KAID10310	DB Fan#2	
KAID10311	DB Environment#2	
KAID10312	DB Drive#2	

#1

Only Virtual Storage Platform, or Universal Storage Platform V/VM storage systems output this alert.

#2

Only HUS VM, VSP Gx00 models, and VSP Fx00 models storage systems output this alert.

Table 3-8 KAID11001 - KAID11028 (alerts indicating a location in the HUS100 and Hitachi AMS2000/AMS/WMS/SMS storage systems)

Alert ID	Information displayed in the COMPONENT field indicating the alert part of a storage subsystem	Information displayed in the DESCRIPTION field
KAID11001	Cache	The information displayed in the DESCRIPTION field depends on the alert level. The information displayed in the DESCRIPTION field is as follows: • When the alert level has been changed from another level to Normal: This indicates that the cause of an Acute, Serious, Moderate, or Service status has been corrected, and the status has returned to normal. • When the alert level is Acute, Serious, Moderate, or Service: Any Acute, Serious, Moderate, or Service, the error is reported in COMPONENT.
KAID11002	Power Supply	
KAID11003	Fan	
KAID11004	AC	
KAID11005	Battery	
KAID11006	Backup Battery	
KAID11007	Controller	
KAID11008	Enclosure	
KAID11009	Loop	
KAID11010	Disk Drive	
KAID11014	Connector#1	
KAID11015	NNC#2	
KAID11016	NNC Dimm#2	
KAID11017	NNC Power Supply#2	
KAID11018	NNC Fan#2	
KAID11019	NNC Connector#2	
KAID11020	NNC Type#2	
KAID11021	NNC Base#2	
KAID11022	NNC ExCard#2	
KAID11023	NNC ExSlot HCT#2	
KAID11024	Additional Battery	
KAID11025	I/F Board	
KAID11026	Connection	
KAID11027	CTL Fan#3	
KAID11028	IOM#3	

#1

Only HUS100 or Hitachi AMS2000/AMS/WMS/SMS storage systems output this alert.

#2

Only Hitachi AMS/WMS storage systems output this alert.

#3

Only HUS150 storage systems output this alert.

4

Error codes for the Device Manager agent

This chapter describes the error codes output by the Device Manager agent.

- 5000 - 9999

5000 - 9999

The table below describes the error codes output by the Device Manager agent.

Table 4-1 5000 - 9999 Error codes output by the Device Manager agent

Error Code	Message Text	Description
5000	An unexpected error occurred during the operation.	*Cause* An unexpected error occurred during the operation. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
5010	An internal error occurred during acquisition of host information.	*Cause* An internal error occurred during acquisition of host information. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
5011	Execution of the hldutil command failed.	*Cause* Execution of the `hldutil` command failed. *Action* Manually execute the `hldutil` command, check the displayed error message and action, and follow those instructions. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
5012	The specified Device Manager server was not found. (IP address = *IP-address*, port number = *port-number*)	*Cause* The specified Device Manager server was not found. *Action* Make sure that the preparation for SSL communications of the Device Manager agent has been performed correctly.

Error Code	Message Text	Description
		If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
5013	An I/O error occurred during the reading of a file.	*Cause* An I/O error occurred during the reading of a file. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
5014	An I/O error occurred during execution of the hldutil command.	*Cause* An I/O error occurred during execution of the `hldutil` command. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
5015	An error occurred during the reading of a file.	*Cause* An error occurred during the reading of a file. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
5016	An unexpected error occurred during the operation.	*Cause* An unexpected error occurred during the operation. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
5017	A timeout occurred during execution of the hldutil	*Cause*

Error Code	Message Text	Description
	command. Make sure that the host recognizes the storage system otherwise change the value of the server.util.processTimeOut property in the server.properties file of Device Manager agent.	An internal error occurred during execution of the `hldutil` command, or the `hldutil` command might have timed out because a large number of LUs were connected to the host. *Action* Make sure that the host correctly recognizes the storage system. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
5018	An error occurred during setup of SSL communications.	*Cause* Preparation for SSL communications of the Device Manager agent might not have been performed correctly. *Action* Make sure that the preparation for SSL communications of the Device Manager agent has been performed correctly. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
5019	An error occurred in SSL communications.	*Cause* SSL communications could not be established. *Action* Make sure that the preparation for SSL communications of the Device Manager agent has been performed correctly. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
5100	An unexpected error occurred during the operation.	*Cause* An unexpected error occurred during the operation. *Action* To determine the cause and resolve the problem, detailed investigation is required.

Error Code	Message Text	Description
		Contact customer support, who may ask you to collect troubleshooting information.
6017	An unexpected error occurred during the operation.	*Cause* An unexpected error occurred during the operation. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
6018	RAID Manager is not installed. Install RAID Manager, and make sure that the installation directory of RAID Manager is specified correctly for server.agent.rm.location or server.agent.rmxp.location in the server.properties file of Device Manager agent.	*Cause* The pair volume operation cannot be performed because RAID Manager has been removed. *Action* • Install RAID Manager, and then restart the Device Manager agent. Install or uninstall related products, and then restart the Device Manager agent. • Make sure that the install directory of RAID Manager is correctly specified in `server.agent.rm.location` or `server.agent.rmxp.location` in the file `server.properties`.
6101	The configuration definition file for the specified instance number (*instance-number*) is not setup as a management target of Device Manager agent. Change the value of server.agent.rm.exclusion.instance property in the server.properties file of the Device Manager agent.	*Cause* The configuration definition file for the specified instance number is not set up as a management target of Device Manager agent. *Action* The operation cannot be performed on the configuration definition file for the specified instance number. To perform the operation, delete the instance number from `server.agent.rm.exclusion.instance` in the file `server.properties`.
6102	An instance targeted by the operation could not be stopped.	*Cause* An error occurred during execution of the `horcmshutdown` command. *Action* Revise the configuration definition file. If this does not resolve the problem,

Error Code	Message Text	Description
		contact customer support, who may ask you to collect troubleshooting information.
6103	An instance targeted by the operation could not be started.	*Cause* An error occurred during execution of the `horcmstart` command. *Action* Revise the configuration definition file. If a virtual command device server is being used, check and (if necessary) revise the environment configuration of this server. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6104	An error occurred during processing to create a pair.	*Cause* An error occurred during execution of one of the following commands: • `raidscan` • `pairdisplay` • `paircreate` • `pairsplit` *Action* Make sure that the IP address in the configuration definition file can be used for communication. If you attempted to create the pair by specifying a path ID, make sure that the path ID in the configuration definition file is usable. If any of the connected command devices has a storage system resource group ID that is not 0, settings must be specified in advance. For details, see the "*Hitachi Command Suite Administrator Guide*". If all the connected command devices have a storage system resource group ID of 0 and user authentication for the command devices is disabled, enable user authentication for the command devices. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6105	An error occurred during processing to delete a pair.	*Cause*

Error Code	Message Text	Description
		An error occurred during execution of one of the following commands: • raidscan • pairdisplay • pairsplit *Action* Make sure that the IP address in the configuration definition file can be used for communication. • If any of the connected command devices has a storage system resource group ID that is not 0, settings must be specified in advance. For details, see the "*Hitachi Command Suite Administrator Guide*". • If all the connected command devices have a storage system resource group ID of 0 and user authentication for the command devices is disabled, enable user authentication for the command devices. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6106	An error occurred during processing to change a pair status.	*Cause* An error occurred during execution of one of the following commands: • raidscan • pairdisplay • pairsplit • pairresync *Action* Make sure that the IP address in the configuration definition file can be used for communication. • If any of the connected command devices has a storage system resource group ID that is not 0, settings must be specified in advance. For details, see the "*Hitachi Command Suite Administrator Guide*". • If all the connected command devices have a storage system resource group ID of 0 and user authentication for the command devices is disabled, enable user

Error Code	Message Text	Description
		authentication for the command devices. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6107	An error occurred during processing to delete a configuration definition file.	*Cause* An error occurred during processing to delete a configuration definition file. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
6108	An error occurred during acquisition of configuration definition file information.	*Cause* An error occurred during processing to acquire configuration definition file information, or during an attempt by Device Manager agent to create a temporary configuration definition file. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
6109	An error occurred during acquisition of configuration definition file information.	*Cause* An error occurred during execution of the `raidscan` or `pairdisplay` command. *Action* • Make sure that RAID Manager is properly installed. • Make sure that there are no mistakes in the pair definitions in the HORCM configuration definition file in the OS system directory. • Make sure that the command devices and hosts that correspond to the pair definitions in the HORCM configuration definition file in the OS system directory are recognized. • Make sure that the RAID Manager log is output to the following

Error Code	Message Text	Description
		directory when the raidscan or pairdisplay command is executed: Device-Manager-agent-installation-directory/agent/config/HORCM/logXX (where XX is an instance number) Check the number of the HORCM instance that was just started, and then remove the cause of the error. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6110	An error occurred during the editing of a configuration definition file.	*Cause* An error occurred during the editing of a configuration definition file. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
6111	An error occurred during execution of an operation.	*Cause* An error occurred during execution of an operation. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
6112	There is no configuration definition file for the specified instance number. Refresh the storage system, and then retry the operation.	*Cause* A request was made to add a pair, but there is no configuration definition file for the specified instance number. *Action* Refresh the storage system, and then retry the operation.
6113	A configuration definition file already exists for the specified instance number. Refresh the storage system, and then retry the operation.	*Cause* A request was made to create a new pair, but a configuration definition file already exists for the specified instance number. *Action* Refresh the storage system, and then retry the operation.

Error Code	Message Text	Description
6114	Failed to start an instance created for temporarily use by the Device Manager agent.	*Cause* Possible causes are as follows: • An instance number or service number to be temporarily used by the Device Manager agent might already be in use. • The command devices recognized by the pair management server might be unusable. *Action* Take the following actions to remove the cause of the problem: 1. Revise the usage status of the RAID Manager instance numbers and service numbers. For this system, use numbers within the ranges specified for the following properties in the `server.properties` file: ○ Instance numbers: server.agent.rm.temporaryInstance ○ Service numbers: server.agent.rm.temporaryPort For Windows Server 2008 and later, because the OS might be using a service number set in the system, change the service numbers used by the RAID Manager. 2. Make sure that the command devices recognized by the pair management server are usable.
6115	A timeout occurred while starting an instance created for temporary use by Device Manager agent. To configure the timeout value, edit the server.agent.rm.moduleTimeOut property in the server.properties file of the Device Manager agent.	*Cause* A timeout occurred during startup of an instance temporarily used by Device Manager agent. *Action* Revise the value of `server.agent.rm.moduleTimeOut` in the file `server.properties` and change the amount of time it takes for a timeout to occur.
6116	An instance created for temporarily use by Device Manager agent could not start because the pair manager server (*host-name*) could not	*Cause* The pair management server could not recognize any command devices. *Action*

Error Code	Message Text	Description
	recognize any command devices.	Make sure that the pair management server recognizes the command devices, and then re-execute the command.
6117	An instance created for temporary use by Device Manager agent could not be started. Make sure that the version of RAID Manager in use is supported, and the installation directory of RAID Manager is correctly specified for server.agent.rm.location or server.agent.rmxp.location in the server.properties file of the Device Manager agent.	*Cause* An error occurred during startup of an instance temporarily used by Device Manager agent. *Action* • Make sure that the version of RAID Manager in use is supported. • Make sure that RAID Manager is properly installed. • Make sure that the install directory of RAID Manager is correctly specified in `server.agent.rm.location` or `server.agent.rmxp.location` in the file `server.properties`. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6118	The pair management server (*host-name*) does not recognize the specified LDEV (#*serial-number*:*devNum*). Make sure the pair management server recognizes the LDEV otherwise change to a centralized management configuration.	*Cause* The pair management server does not recognize the specified LDEV. *Action* Make sure that the pair management server can recognize the LDEV, and that the system is in a centrally managed configuration.
6119	The pair volume information could not be acquired.	*Cause* The pair volume information could not be acquired. *Action* Perform the following steps to resolve the problem: 1. If the pair management server detects a command device for which the resource group ID of the storage system is not 0, that command device needs to be configured. For details, see the "*Hitachi Command Suite Administrator Guide*". 2. If all connected command devices have a storage system resource group ID of 0 and user authentication for the command

Error Code	Message Text	Description
		devices is disabled, enable user authentication for those devices. 3. Check the pair volume status. The pair volume might not exist, or LUN paths might not be assigned. 4. Make sure the RAID Manager version that is being used is supported. 5. Make sure RAID Manager is installed correctly. 6. If the problem persists, collect the maintenance information, and then contact the Support Center.
6120	Creation of Universal Replicator Resync pairs is not supported.	*Cause* An attempt was made to create a Universal Replicator Resync pair in a 3DC configuration. *Action* Creation of Universal Replicator Resync pairs is not supported in 3DC configurations.
6121	The pair management server (*host-name*) does not recognize the command device for the created pair. Refresh the storage system and the host, and then retry the operation.	*Cause* The command device required for a pair operation was not found. *Action* Refresh the storage system and the host, and then make sure that the pair management server recognizes the command device.
6122	The specified copy group (*group-name*:*pair-name*) cannot be created because the specified LU has an invalid status. Change the pair status of the LU targeted by the pair operation, or check the settings for the command device.	*Cause* Possible causes are: • The pair status is not SMPL, or the pair status could not be acquired. • Command device security has been set for the command device. *Action* • Revise the pair status of the LU targeted by the pair operation. • Check the settings for the command device.
6123	Processing was canceled because the status of the created pair (*group-name*:*pair-name*) was invalid.	*Cause* After a pair was created using the `paircreate` command, the pair status was not PAIR. *Action* To determine the cause and resolve the problem, detailed investigation is required.

Error Code	Message Text	Description
		Contact customer support, who may ask you to collect troubleshooting information.
6124	The specified copy group (*group-name*:*pair-name*) cannot be deleted because the specified LU has an invalid status. Change the pair status of the specified LU.	*Cause* The status of the specified volume prevents the operation, or the pair status could not be acquired. *Action* Revise the pair status of the LU targeted by the pair operation.
6125	The specified copy group (*group-name*:*pair-name*) cannot be changed because the specified LU has an invalid status. Change the pair status of the specified LU.	*Cause* The status of the specified volume prevents the operation, or the pair status could not be acquired. *Action* Revise the pair status of the LU targeted by the pair operation.
6126	A timeout occurred while executing the RAID Manager command. To configure the timeout value, edit the server.agent.rm.moduleTimeOut property in the server.properties file of Device Manager agent.	*Cause* A timeout occurred while executing the RAID Manager command. *Action* Revise the value of `server.agent.rm.moduleTimeOut` in the file `server.properties` and change the amount of time it takes for a timeout to occur.
6127	Processing was canceled because, after the status changed, the status of the pair (*group-name*:*pair-name*) was invalid.	*Cause* The status of the targeted volume is invalid. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
6128	The targeted volume is *P-VOL, S-VOL, or SMPL*, not *P-VOL or S-VOL*. (*group-name*:*pair-name*) Change the status of the LU targeted by the pair operation.	*Cause* The status of the targeted volume is invalid. *Action* Revise the status of the LU targeted by the pair operation.
6129	The status of the targeted volume is invalid (status = *Pair status*) (*group-name*:*pair-name*). Change the status of	*Cause* The status of the targeted volume is invalid. *Action*

Error Code	Message Text	Description
	the pair targeted by the operation.	Revise the status of the pair targeted by the operation.
6130	The fence level of the targeted volume is invalid (fence = *Fence level of the pair*) (*group-name*:*pair-name*). Change the pair status of the LU targeted by the pair operation.	*Cause* The fence level of the targeted volume is invalid. *Action* Revise the pair status of the LU targeted by the pair operation.
6131	A timeout occurred during execution of the *RAID Manager command name* command. To configure the timeout value, edit the server.agent.evtwait.timeout property in the server.properties file of the Device Manager agent.	*Cause* A timeout occurred during execution of one of the following: • `horctakeover` • `pairresync -swapp` • `pairresync -swaps` • `pairsyncwait` • `pairevtwait` *Action* If the error occurs repeatedly, change the value of `server.agent.evtwait.timeout` in the file `server.properties` of the Device Manager agent.
6132	An error occurred during takeover and takeback processing.	*Cause* An error occurred during takeover and takeback processing. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
6133	The specified copy group does not exist in the configuration definition file. Refresh the storage system, and then retry the operation.	*Cause* The specified copy group does not exist in the configuration definition file. *Action* Refresh the storage system, and then retry the operation.
6134	The configuration definition file must contain a HORCM_MON definition. (instance number = *instance-number*)	*Cause* There is no `HORCM_MON` definition. *Action* Edit the configuration definition file.
6135	The configuration definition file must not contain a HORCM_LDEVG definition.	*Cause* There are one or more `HORCM_LDEVG` definitions.

Error Code	Message Text	Description
	(instance number = *instance-number*)	*Action* Edit the configuration definition file.
6136	The configuration definition file must contain a HORCM_DEV or a HORCM_LDEV definition. (instance number = *instance-number*)	*Cause* There are no `HORCM_DEV` or `HORCM_LDEV` definitions. *Action* Edit the configuration definition file.
6137	The configuration definition file must contain a HORCM_INST or a HORCM_INSTP definition. (instance number = *instance-number*)	*Cause* There are no `HORCM_INST` or `HORCM_INSTP` definitions. *Action* Edit the configuration definition file.
6138	Virtual command devices cannot be defined in the HORCM_CMD definition in the configuration definition file. (instance number = *instance-number*, command device = *command-device*)	*Cause* One or more virtual command devices are defined. *Action* Edit the command devices defined in the `HORCM_CMD` definition.
6139	The operation failed, because the pair management server could not detect any command devices that could access either of the following: (1. A resource group in which the port assigned to the operation-target pair volume is registered 2. An SLPR in which the port assigned to the operation-target pair volume is registered)	*Cause* The pair management server could not detect any command devices that could access either of the following: 1. A resource group in which the port assigned to the operation-target pair volume is registered 2. An SLPR in which the port assigned to the operation-target pair volume is registered *Action* Perform the following steps to resolve the problem: 1. If the pair management server detects a command device for which the resource group ID of the storage system is not 0, that command device needs to be configured. For details, see the "*Hitachi Command Suite Administrator Guide*". 2. If all command devices detected by the pair management server have a storage system resource group ID of 0 and user authentication for those command devices is disabled, enable user authentication for those devices. 3. Make sure the pair management server can detect the command

Error Code	Message Text	Description
		device that belongs to the same SLPR as the port that is assigned to the pair volume. Alternatively, make sure the server can detect the command device SLPR#0.
6140	A command device that can perform user authentication exists in the storage system with the serial number *serial-number*.	*Cause* Information cannot be collected for, and operations cannot be performed on, storage systems that contain command devices that can perform user authentication. *Action* • Disable the user authentication setting for the command device. • Remove the path to the relevant command device from the host • Pass the user authentication to storage systems that contain command devices that can perform user authentication. • Make sure that the version of RAID Manager in use is supported.
6141	A command device that can perform user authentication has been defined in the configuration definition file.	*Cause* Information cannot be collected for, and operations cannot be performed on, storage systems that contain command devices that can perform user authentication. *Action* • Disable the user authentication setting for the command device. • Remove, from the host, the path to the command device that can perform user authentication. • Using a RAID Manager command, log on to a storage system that has a command device that can perform user authentication. • Make sure that the version of RAID Manager in use is supported.
6142	An instance created for temporary use by Device Manager agent could not be started (IP address = *IP-address*). Make sure that the communication with the SVP or CTL1/CTL2 is possible.	*Cause* An instance that defines a virtual command device failed to start. *Action* Make sure that communication with the SVP or CTL1/CTL2 is possible.
6143	Storage system authentication failed (instance number =	*Cause* The user name or password to be authenticated for a storage system

Error Code	Message Text	Description
	instance-number, serial numbers = *serial-number, serial-number...*). The user name or password specified is invalid.	associated is invalid, or the version of RAID Manager might not satisfy the preconditions. *Action* Revise the user name or password to be authenticated. See the RAID Manager log data, which is output to the following directory when the authentication command is executed: Device-Manager-agent-installation-directory`/agent/config/horcm/log`*XX* (where XX corresponds to the instance number) Alternatively, make sure that the version of RAID Manager in use is supported.
6144	An error occurred during acquisition of copy group information.	*Cause* An error occurred during execution of one of the following commands: • `raidcom` • `pairdisplay` *Action* If the problem persists, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
6145	The copy group status could not be acquired (copy group = *copy-group*, device group = *device-group*). Make sure that the copy group or device group exists.	*Cause* Probable causes are as follows: • The specified copy group does not exist. • The specified device group does not exist. *Action* Make sure that the copy group or device group exists.
6146	An error occurred during acquisition of pool or journal information.	*Cause* An error occurred during execution of the `raidchkscan` command. *Action* To determine the cause and resolve the problem, detailed investigation is required. contact customer support, who may ask you to collect troubleshooting information.

Error Code	Message Text	Description
6147	This configuration is not supported. The primary and secondary device group configurations are different. (copy group = *copy-group*, device group 1 = *device-group*, LDEV name = *LDEV-name*, device group 2 = *device-group*, LDEV name = *LDEV-name*)	*Cause* Probable causes are as follows: • The number of LDEVs that make up the device groups are different. • The names of the LDEVs that make up the device groups are different. *Action* This configuration is not supported. Revise the configuration, and then re-execute the command.
6148	The device file name of the command device is invalid. Rename the device file to begin with hdisk.	*Cause* The device file name of the command device is invalid. *Action* Change the device file name of the command device to a name that starts with hdisk.
6149	Copy groups cannot be added to the specified configuration definition file.	*Cause* If an IPCMD-format command device is specified in the configuration definition file, addition of copy groups to the file is not supported. *Action* Do either of the following: • In the configuration definition file, specify a command device in a format other than IPCMD format. • Specify a copy group in either `HORCM_DEV` or `HORCM_LDEV`.
6150	The configuration definition file already contains the specified pair information. Refresh the storage system, and then retry the operation.	*Cause* The configuration definition file already contains the specified pair information. *Action* Refresh the storage system, and then retry the operation.
6151	The configuration definition file does not contain the specified pair information. Refresh the storage system, and then retry the operation.	*Cause* The configuration definition file does not contain the specified pair information. *Action* Refresh the storage system, and then retry the operation.
6152	There is no configuration definition file for the specified	*Cause* There is no configuration definition file for the specified instance number.

Error Code	Message Text	Description
	instance number. Refresh the storage system, and then retry the operation.	*Action* Refresh the storage system, and then retry the operation.
6153	The last node of the same group described in HORCM_INST or HORCM_INSTP in the configuration definition file cannot be deleted. Refresh the storage system, and then retry the operation.	*Cause* The last node of the same group described in `HORCM_INST` or `HORCM_INSTP` in the configuration definition file cannot be deleted. *Action* Refresh the storage system, and then retry the operation.
6154	RAID Manager is not installed. Install RAID Manager, and make sure that the installation directory of RAID Manager is correctly specified for server.agent.rm.location or server.agent.rmxp.location in the server.properties file of Device Manager agent.	*Cause* The pair volume operation cannot be performed because RAID Manager has been removed. *Action* • Install RAID Manager, and then restart the Device Manager agent. Install or uninstall related products, and then restart the Device Manager agent. • Make sure that the install directory of RAID Manager is correctly specified in `server.agent.rm.location` or `server.agent.rmxp.location` in the file `server.properties`.
6155	The specified copy group (*group*:*pair*) cannot be deleted because the status of the specified LU is invalid in a Freeze/Thaw configuration. Revise the pair status of the specified LU.	*Cause* The pair is in a status other than PSUS, SSUS, SSWS, or SMPL. *Action* Revise the status of the LU targeted by the pair operation.
6156	A journal ID cannot be specified because the specified copy group (*group*) is defined in the HORCM_DEV section of the configuration file.	*Cause* A journal ID cannot be specified because the specified copy group is defined in the `HORCM_DEV` section of the configuration file. *Action* Edit the configuration definition file.
6157	A mainframe volume cannot be specified because it is not in a batch (centralized) management configuration. Change the value of server.agent.rm.centralizePairConfiguration in the	*Cause* A mainframe volume cannot be specified because it is not in a batch (centralized) management configuration. *Action* In the file `server.properties`, change `server.agent.rm.centralizePairCo`

Error Code	Message Text	Description
	server.properties file of the Device Manager agent.	`nfiguration` to a batch (centralized) management configuration.
6158	The specified copy group (*group*) cannot be updated because the configuration definition file already contains the specified copy group. Refresh the storage system, and then retry the operation.	*Cause* The specified copy group cannot be updated because the configuration definition file already contains the specified copy group. *Action* Refresh the storage system, and then retry the operation.
6159	An error occurred during a wait for pair synchronization.	*Cause* An error occurred during execution of the `pairsyncwait` command. *Action* Make sure that the IP address in the configuration definition file can be used for communication. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6160	A RAID Manager command terminated abnormally. (command = *command*, return code = *return-code*)	*Cause* The RAID Manager command in the message failed. The command might not have met the requirements for the copy pair operation. *Action* See the RAID Manager manual, and make sure that the system meets the requirements to carry out the copy pair operation. If an operation on a copy pair failed: • If any of the connected command devices has a storage system resource group ID that is not 0, settings must be specified in advance. For details, see the "*Hitachi Command Suite Administrator Guide*". • If all the connected command devices have a storage system resource group ID of 0 and user authentication for the command devices is disabled, enable user authentication for the command devices. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.

Error Code	Message Text	Description
6161	Execution of a RAID Manager command failed because of a system status. (RAID Manager command = *command*)	*Cause* Execution of the RAID Manager command indicated in the message failed because of a system status. *Action* Make sure the corresponding command is operating normally. If this does not resolve the problem, contact customer support, who may ask you to collect troubleshooting information.
6162	The operation cannot be performed because the command device of the storage system targeted by the operation is not connected to the host. (serial number = *serial-number*)	*Cause* The operation cannot be performed because the command device is not connected to the host. *Action* Connect the command device to the host. Enable user authentication for the command device, authenticate the user, and then try again.
6163	The operation could not be performed because the command device user for the storage system targeted by the operation was not authenticated. (serial number = *serial-number*)	*Cause* The command device user was not authenticated. *Action* Authenticate the command device user, and then try again.
6164	The specified task cannot be performed because user authentication for the command device of the storage system is disabled (serial number = *serial-number*). Enable user authentication for the command device, authenticate the user, and then try again.	*Cause* User authentication for the command device user is disabled. *Action* Enable user authentication for the command device, authenticate the user, and then try again.
6165	The pair cannot be created because the volume specified as the S-VOL is being used as an S-VOL of an existing pair. (S-VOL = *S-VOL-device-number*)	*Cause* The volume specified as the S-VOL is being used as an S-VOL of an existing pair. *Action* Specify a volume that is not being used as an S-VOL of an existing pair.
6166	The pair cannot be created because the specified pool ID is different from the pool ID being used by the existing pair of the specified P-VOL. (P-VOL = *P-VOL-device-number*, pool ID = *snapshot-pool-ID*)	*Cause* The specified pool ID is different from the pool ID being used by the existing pair of the specified P-VOL. *Action*

Error Code	Message Text	Description
		Specify the pool ID being used by the existing pair of the specified P-VOL.
6167	The pair cannot be created because the pair of the specified P-VOL already exists in the specified CTG. (group = *group-name*, P-VOL = *P-VOL-device-number*)	*Cause* The pair of the specified P-VOL already exists in the specified CTG. *Action* Specify a CTG in which the pair of the specified P-VOL does not exist.
6168	The pair cannot be created because the group type (CTG or snapshot group) of the specified group is different from the existing group type. (group = *group-name*)	*Cause* The group type (CTG or snapshot group) of the specified group is different from the existing group type. *Action* Specify the existing group type (CTG or snapshot group).
6169	Processing will now stop because the status of the created pair is invalid. (group = *group-name*, P-VOL = *P-VOL-device-number*, S-VOL = *S-VOL-device-number*)	*Cause* After the command (`raidcom` add `snapshot`) created the pair, the pair status was not PAIR. *Action* Check the pair status. If the pair status is invalid, follow the RAID Manager manual and perform a restoration.
6170	The specified group does not exist (group = *group-name*). Refresh the storage system, and then retry the operation.	*Cause* The specified group does not exist. *Action* The Device Manager Server might not contain the most current storage system information. Refresh the storage system, and then try again.
6171	The specified pair does not exist (P-VOL = *P-VOL-device-number*, MU = *MU-number*). Refresh the storage system, and then retry the operation.	*Cause* The specified pair does not exist. *Action* The Device Manager Server might not contain the most current storage system information. Refresh the storage system, and then try again.
6172	Processing will now stop because the status of the pair changed and is now invalid. (group = *group-name*)	*Cause* After the command (`raidcom modify snapshot`) re-synchronized the pair, the pair status was not PAIR. *Action* Check the pair status. If the pair status is invalid perform the

Error Code	Message Text	Description
		restoration according to the manual of RAID Manager.
6173	Processing will now stop because the status of the pair was changed and is now invalid. (P-VOL = *P-VOL-device-number*, MU = *MU-number*)	*Cause* After the command (`raidcom modify snapshot`) re-synchronized the pair, the pair status was not PAIR. *Action* Check the pair status. If the pair status is invalid perform the restoration according to the manual of RAID Manager.
6174	The request failed. An invalid value was specified for *Invalid-Parameter*. Valid names must be from 1 to 32 characters, and must not include any space characters.	*Cause* Valid names must be from 1 to 32 characters, and must not include any space characters. *Action* Valid names must be from 1 to 32 characters, and must not include any space characters. Revise the value indicated in the message, and try again.
6175	A volume on a virtual storage machine is defined in HORCM_DEV. Delete the definition of the volume on the virtual storage machine from HORCM_DEV, and define it again in HORCM_LDEV.	*Cause* Configuration definition files in which `HORCM_DEV` specifies a volume on a virtual storage machine are not supported. *Action* Delete the definition of the volume on the virtual storage machine from `HORCM_DEV`, and define it again in `HORCM_LDEV`.
6176	The specified serial number is not defined in HORCM_VCMD.	*Cause* The specified serial number is not defined in HORCM_VCMD. *Action* In HORCM_VCMD, define the serial number.
6177	The request has failed. Snapshot group names must not include the character #.	*Cause* Snapshot group names must not include the character #. *Action* Snapshot group names must not include the character #. Revise the snapshot name, and then try again.
6178	User authentication failed. Make sure you specified the	*Cause* Probable causes are as follows:

Error Code	Message Text	Description
	correct user name and password.	• After the target storage system was registered on the Device Manager server, the user password was changed. • The target storage system is not registered in the Device Manager server. *Action* • Make sure that the user name and password for authentication are correct. • Make sure that the target storage system is registered in the Device Manager server.
6179	An error occurred while acquiring the user password.	*Cause* Probable causes are as follows: • The port number is not used for SSL communications. • The truststore files on the Device Manager agent and at the connection destination are different. • The truststore file is no longer valid. • The cipher suites on the Device Manager agent and at the connection destination are different. • The host name or IP address or the port number of the Device Manager server might not be set correctly. • The Device Manager server might not be operating correctly. • The value of the property `server.http.entity.maxLength` in the file `server.properties` on the Device Manager server might be smaller than the value of the content length in the KAIC20854-I message. *Action* • Check the value of `server.server.serverPort` in the file `server.properties`. • Check the contents of the truststore file. • Make sure that the cipher suite specified for the connection destination is compatible with the

Error Code	Message Text	Description
		version of Java being used by the Device Manager agent. • Make sure that the network environment, including the firewall, is operating properly. • Make sure that the host name or IP address and the port number of the Device Manager server are set correctly. • Make sure that the Device Manager server is operating correctly. • Make sure that the value of the `server.http.entity.maxLength` property in the file `server.properties` of the Device Manager server is larger than the value of the content length shown in the KAIC20854-I message. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
6180	In a configuration definition file that contains a HORCM_VCMD definition, do not define a volume that is not on a virtual storage machine. (instance number = *instance-number*)	*Cause* In a configuration definition file that contains a HORCM_VCMD definition, do not define a volume that is not on a virtual storage machine. *Action* When defining a volume that is not on a virtual storage machine, specify a configuration definition file that does not contain a HORCM_VCMD definition. If you use a configuration definition file that contains a HORCM_VCMD definition, specify a volume that is on a virtual storage machine.
6181	In a configuration definition file that does not contain a HORCM_VCMD definition, do not define a volume that is on a virtual storage machine. (instance number = *instance-number*)	*Cause* In a configuration definition file that does not contain a HORCM_VCMD definition, do not define a volume that is on a virtual storage machine. *Action* If you define a volume that is on a virtual storage machine, specify a configuration definition file that contains a HORCM_VCMD definition.

Error Code	Message Text	Description
		If you use a configuration definition file that does not contain a HORCM_VCMD definition, specify a volume that is not on a virtual storage machine.
6182	User authentication for the storage system failed. Set up SSL between Device Manager agent and Device Manager, or log in to the storage system and the virtual storage machine by using RAID Manager commands.	*Cause* SSL is not set up between the Device Manager agent and Device Manager. *Action* Perform one of the following actions: • Set up SSL between the Device Manager agent and Device Manager. • Log in to a storage system and a virtual storage machine that has a command device that can perform user authentication.
6183	The command device of the specified storage system is not connected to the host. (serial number = *serial-number*)	*Cause* The command device of the specified storage system is not connected to the host. *Action* Connect the command device to the host.
6184	The configuration definition file for the specified instance number cannot be migrated. Revise the HORCM_DEV or HORCM_VCMD section of the configuration file.	*Cause* A configuration file that contains the following conditions cannot be migrated: • A `HORCM_DEV` copy pair is defined in the configuration definition file. • A `HORCM_VCMD` serial number is defined in the configuration definition file. *Action* Revise the `HORCM_DEV` or `HORCM_VCMD` section of the configuration file.
6185	There is no configuration definition file for the specified instance number. Refresh the storage system, and then retry the operation.	*Cause* There is no configuration definition file for the specified instance number. *Action* Refresh the storage system, and then retry the operation.
6186	Command devices for multiple storage systems cannot be defined in a configuration definition file that defines copy pairs for the volumes of a virtual storage machine (instance number = *instance-*	*Cause* Command devices for multiple storage systems cannot be defined in a configuration definition file that defines copy pairs for the volumes of a virtual storage machine.

Error Code	Message Text	Description
	number). Use a separate configuration definition file for each storage system.	*Action* For each storage system, use a separate configuration definition file to define the copy pairs for the volumes of a virtual storage machine.
6187	The specified snapshot data is assigned by a different volume. (P-VOL = *P-VOL-device-number*, MU = *MU-number*)	*Cause* The specified snapshot data is assigned by a different volume. *Action* • The server information might be old. Refresh the server information, and then try again. • Release assignment of the snapshot data, and then try again.
6188	The specified snapshot data is not assigned. (P-VOL = *P-VOL-device-number*, S-VOL = *S-VOL-device-number*)	*Cause* The specified snapshot data is not assigned. *Action* • The server information might be old. Refresh the server information, and then try again. • Specify a different volume whose snapshot data is assigned.
6189	The specified volume is assigned by different snapshot data. (S-VOL = *S-VOL-device-number*)	*Cause* The specified volume is assigned by different snapshot data. *Action* • The server information might be old. Refresh the server information, and then try again. • Change assignment of the volume, or specify a different volume whose snapshot data is not assigned.
6190	The pair information cannot be acquired because the specified P-VOL or its pair does not exist (P-VOL = *P-VOL-device-number*). Refresh the storage system, and then retry the operation.	*Cause* The specified P-VOL or its pair does not exist. *Action* The Device Manager server might not contain the most current storage system information. Refresh the storage system, and then try again.
9002	An internal error occurred during acquisition of host information.	*Cause* An internal error occurred during acquisition of host information. *Action*

Error Code	Message Text	Description
		To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
9050	An unexpected error occurred during the operation.	*Cause* An unexpected error occurred during the operation. *Action* To determine the cause and resolve the problem, detailed investigation is required. Contact customer support, who may ask you to collect troubleshooting information.
9051	Information about installed software could not be acquired.	*Cause* An error occurred during execution of the `lslpp` command. *Action* Make sure that the `lslpp` command can be executed successfully. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
9052	Information about installed software could not be acquired.	*Cause* An error occurred during execution of the `swlist` command. *Action* Make sure that the `swlist` command can be executed successfully. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
9053	Information about installed software could not be acquired.	*Cause* An error occurred during execution of the `pkginfo` command. *Action* Make sure that the `pkginfo` command can be executed successfully. If this does not resolve the problem, detailed investigation is required to

Error Code	Message Text	Description
		determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.
9054	Information about installed software could not be acquired.	*Cause* An error occurred during execution of the `rpm` command. *Action* Make sure that the `rpm` command can be executed successfully. If this does not resolve the problem, detailed investigation is required to determine the cause and resolve the problem. Contact customer support, who may ask you to collect troubleshooting information.

5

Messages output by storage systems

This chapter describes the messages output by storage systems.

- Details about HUS100 and Hitachi AMS2000/AMS/WMS/SMS messages
- Details about Universal Storage Platform V/VM messages
- Details about Virtual Storage Platform messages
- Details about VSP G1000, G1500, and VSP F1500 messages
- Details about VSP Gx00 models and VSP Fx00 models messages

Details about HUS100 and Hitachi AMS2000/AMS/WMS/SMS messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem. This section lists and describes the error messages from HUS100 and Hitachi AMS2000/AMS/WMS/SMS that are contained in Hitachi Device Manager Software messages.

For details on the message IDs that begin with DMEG, see the Storage Navigator Modular 2 message manual.

The following table lists and describes the HUS100 and Hitachi AMS2000/AMS/WMS/SMS that are displayed by Hitachi Device Manager.

Note: The asterisk "*" indicates that the error code output varies. If a displayed error code does not match any of the codes listed below, see the explanation for the message labeled *.

Table 5-1 HUS100 and Hitachi AMS2000/AMS/WMS/SMS messages

Error Code	Description
*	An error has occurred in the subsystem. If you cannot solve this problem, contact the Support Center.
1	DMEA001000: The information file for the subsystem cannot be opened. Confirm the execution environment.
2	DMEA001001: The information file for the subsystem is invalid. Confirm the execution environment.
3	DMEA001002: The specified subsystem name is already registered. Specify another name.
4	DMEA001003: The specified subsystem name is not registered.
5	DMEA001004: The registered information does not match the status of the subsystem. Correct the information and then retry.
6	DMEA001005: The number of registered subsystems reached the maximum. Delete unnecessary information, and then retry.
7	DMEA001021: The number of groups reached the maximum. Specify an already registered group or delete an unnecessary group.
8	DMEA001026: The specified information does not match the configuration of the subsystem. Confirm the configuration information.
10	DMEA000010: An error occurred while communicating with the subsystem. Confirm the subsystem status and the LAN environment, and then try again.
11	DMEA000011: An error occurred while communicating with the subsystem. Confirm the subsystem status and the LAN environment, and then try again.
12	DMEA000012: An error occurred in the secure communication with the subsystem. Please confirm the certificate, subsystem status and the LAN environment. Then try again.

Error Code	Description
18	DMEA001071: The function cannot be executed because the LU has already been reserved.
101	DMEA001019: The process cannot be performed because the firmware on the subsystem does not support the function.
102	DMEA001006: Invalid parameter.
103	DMEA001007: The specified controller is incorrect.
104	DMEA001008: An attempt to open the file has failed. Confirm the file name, and then try again.
105	DMEA001009: The contents of the file are invalid. Confirm the file contents, and then try again.
106	DMEA00100A: An attempt to connect with the server failed. Confirm the registered information and the LAN environment, and then retry.
107	DMEA00100B: The password is not specified.
108	DMEA00100C: The password is corrupted. Delete the password file, and then retry.
109	DMEA001017: An error occurred during the file I/O. Check the permissions and available space.
10a	DMEA001022: A hardware error occurred. Confirm the subsystem.
10b	DMEA001023: Processing is not possible because the current subsystem does not support the function.
10c	DMEA001024: The environment variable STONAVM_HOME is not defined. Specify STONAVM_HOME.
10d	DMEA001025: The controller in charge of the LU is not registered. Register the controller, and then retry.
10e	DMEA001027: The JRE version in use is not supported. Confirm the JRE version.
10f	DMEA001029: Environment variable: STONAVM_HOME is not set correctly. Check the STONAVM_HOME.
110	DMEA00104E: Processing failed because the function is disabled.
111	DMEA00104D: The password length is invalid. Use 12 or fewer characters.
112	DMEA00104F: An attempt to obtain the controller failure dump information failed. Retry after 10 minutes.
113	DMEA001070: This program is not installed correctly.
115	DMEA001073: An attempt to create a log directory failed. Confirm the execution environment.
116	DMEA001078: The specified key was not found. Confirm the file, and then retry.
117	DMEA001079: This function cannot be used for the specified device.
118	DMEA001080: The LU mapping cannot be set when the mapping mode is off.

Error Code	Description
119	DMEA001081: An attempt to obtain drive information failed.
11a	DMEA001092: An illegal option is set.
11b	DMEA001093: The function cannot be used because it is not installed, locked, or disabled.
11c	DMEA001132: An attempt to create a file has failed. Confirm the execution environment.
11d	DMEA001133: The file cannot be output because the attempt to acquire performance statistics has failed.
11e	DMEA00102A: The JRE (Java Runtime Environment) version in use is not supported. Check the JRE version.
11f	DMEA00102B: Processing is not possible because the current controller in charge of the specified LU is different. Retry from the current controller of the LU.
130	DMEA00112B: The specified port is not available because it has not been physically installed. Confirm the port status, and then retry the operation.
201	DMEA000201: The specified user ID or password is incorrect.
301	DMEA00100D: The specified logical unit is not defined. Specify a defined logical unit.
302	DMEA00100E: Formatting failed. Confirm the subsystem status and the LAN environment, and then retry.
303	DMEA001130: The specified RAID group is already defined. Specify an undefined RAID group.
304	DMEA001131: The specified RAID group is undefined. Specify a defined RAID group.
305	DMEA00115E: Processing is not possible because there is no free area in the specified RAID group.
306	DMEA001160: The logical unit cannot be defined in the specified area.
307	DMEA001161: Processing is not possible because the logical unit is already defined in the first area of the specified RAID group.
308	DMEA001162: Processing cannot be performed because the specified area is not available.
400	DMEA001030: The parameter for System Startup Attribute or the item name is invalid.
401	DMEA001031: The parameter for Spare Disk or the item name is invalid.
402	DMEA001032: The parameter for Host Connection Mode or the item name is invalid.
403	DMEA001033: The parameter for Serial Number or the item name is invalid.
404	DMEA001034: The parameter for Drive Capacity or the item name is invalid.
405	DMEA001035: The parameter for Option 1 or the item name is invalid.

Error Code	Description
406	DMEA001036: The parameter for Option 2 or the item name is invalid.
407	DMEA001037: The parameter for Data Striping Size or the item name is invalid.
408	DMEA001038: The parameter for Buzzer or the item name is invalid.
409	DMEA001039: The parameter for LU Size Report to the Host, or the item name is invalid.
40a	DMEA00103A: The parameter for SCSI Reset/LIP Mode for all Ports, or the item name is invalid.
40b	DMEA00103B: The parameter for Operation if the Processor failures Occurs, or the item name is invalid.
40c	DMEA00103C: The parameter for INQUIRY Information or the item name is invalid.
40d	DMEA00103D: The parameter for Cache Mode or the item name is invalid.
40e	DMEA00103E: The parameter for Target ID or the item name is invalid.
40f	DMEA00103F: The parameter for Port Type or the item name is invalid.
410	DMEA001040: The parameter for ROM Pseudo-response command processing, or the item name is invalid.
411	DMEA001041: The parameter for Save Data Pointer response, or the item name is invalid.
412	DMEA001042: The parameter for Controller Identifier or the item name is invalid.
413	DMEA001043: The parameter for RS232C Error Information Outflow Mode, or the item name is invalid.
414	DMEA001044: The parameter for Write & Verify Execution Mode, or the item name is invalid.
415	DMEA001045: The parameter for LAN CONST or the item name is invalid.
416	DMEA001046: The parameter for SYNC CONTROL or the item name is invalid.
417	DMEA001047: There is no file header.
418	DMEA001048: The present drive configuration for the subsystem cannot support the drive configuration information of the specified file.
419	DMEA001049: The RAID configuration data is invalid.
41a	DMEA00104A: The LU configuration data is invalid.
41b	DMEA00104B: The drive configuration data is invalid.
41c	DMEA00104C: The parameter for FD Back UP, or the item name is invalid.
41d	DMEA001050: The parameter for Web Title or the item name is invalid.
41e	DMEA001051: The parameter for Delay Planned Shutdown or the item name is invalid.

Error Code	Description
420	DMEA001083: The parameter for PortOption or the item name is invalid.
421	DMEA001084: The parameter for HostGroupInformation or the item name is invalid.
422	DMEA001085: The parameter for HostGroupOption or the item name is invalid.
423	DMEA001086: The parameter for LuMapping or the item name is invalid.
424	DMEA001087: The parameter for FibreSecurityInformation or the item name is invalid.
425	DMEA001088: The parameter for CommonInformation or the item name is invalid.
426	DMEA001089: Failed to set up a Mapping Mode. Confirm the setting file, and then retry.
427	DMEA001090: The CTL Header is invalid.
428	DMEA001091: The PORT Header is invalid.
429	DMEA001082: The parameter for Additional Battery Unit Mode or the item name is invalid.
440	DMEA00119F: There is no file version.
441	DMEA0011A0: There is no start separator.
442	DMEA0011A1: The user name is invalid.
443	DMEA0011A2: The secret is invalid.
444	DMEA0011A3: The alias is invalid.
445	DMEA0011A4: The target number is invalid.
446	DMEA0011A5: There is no end separator.
447	DMEA0011A6: There is no port separator.
448	DMEA0011AC: The file version is invalid.
449	DMEA0011AD: The user name reach the maximum.
44a	DMEA0011AE: The target is undefined.
501	DMEA001094: The specified host group is already defined. Confirm the name or number, and specify a undefined host group.
502	DMEA001095: The specified host group is not defined. Confirm the name or number, and specify a defined host group.
503	DMEA001096: The host group security on the specified port is set to disable. Set the host group security to enable, and then retry.
504	DMEA001097: The function cannot be executed because host group 0 is specified. Specify other than host group 0, and then retry.
505	DMEA001098: The specified host group name or WWN name is invalid. Confirm the name and then retry.
506	DMEA001099: The specified host group number is invalid. Confirm the number, and then retry.

Error Code	Description
507	DMEA001100: The specified node name is invalid. Confirm the name, and then retry.
508	DMEA001101: The specified port name is invalid. Confirm the name, and then retry.
509	DMEA001102: The parameter for LUNManagementInformation or the item name is invalid.
50a	DMEA001103: The same host group name exists in a port. Confirm the setting file, and then retry.
50b	DMEA001104: The same WWN name exists in a port. Confirm the setting file, and then retry.
50c	DMEA001105: The same port name exists in a port. Confirm the setting file, and then retry.
50d	DMEA001106: The same host group number exists in a port. Confirm the setting file, and then retry.
50e	DMEA001107: The information on the host group number 0 is not in a setting file. Confirm the information on the host group number 0 for every port, and then retry.
510	DMEA001109: In the installed firmware revision, a setup of the Read Frame Min 128 Byte Mode cannot be performed. Please update to the firmware which can set up the Read Frame Min 128 Byte Mode.
511	DMEA00110D: A parameter for Options or item name is invalid.
512	DMEA00110E: Processing cannot be performed because the specified RAID level is not supported.
513	DMEA00110F: The configuration data of the system LU is invalid.
514	DMEA001110: The configuration data of the user LU is invalid.
515	DMEA001195: The parameter or item name for the port is invalid.
516	DMEA001197: The parameter or item name for iSCSIPortInformation is invalid.
517	DMEA001196: The KeepAliveTimer value is invalid. Check the KeepAliveTimer value, and then try again.
518	DMEA001198: The parameter or item name for iSNSInformation is invalid.
519	DMEA001199: The port number is invalid. Check the port number, and then try again.
51a	DMEA00119B: The parameter or item name for TargetInformation is invalid.
51b	DMEA00119A: The target number is invalid. Check the target number, and then try again.
51c	DMEA00119C: The same target number already exists in the port. Check the settings file, and then try again.
51d	DMEA00119D: The parameter or item name for Target Security is invalid.
51e	DMEA00119E: The parameter or item name for Initiator is invalid.

Error Code	Description
51f	DMEA0011A7: There is no target information for target number 0 in the settings file. Check the information for target number 0 on each port, and then try again.
520	DMEA001108: The specified Web Title is invalid. Confirm the Web Title, and then retry.
521	DMEA00110A: The process cannot be performed because the firmware on the subsystem does not support the function.
522	DMEA00110B: There is no parameter to change the data pool information.
523	DMEA00110C: The specified RAID groups and logical units cannot be created because the drive types are different.
530	DMEA00112A: The hardware configuration of the subsystem differs from the configuration in the input file. Confirm the subsystem status, and then retry the operation.
532	DMEA0011A8: The same alias already exists in the port. Check the settings file, and then try again.
533	DMEA0011A9: The same iSCSI name already exists in the port. Check the settings file, and then try again.
534	DMEA0011AA: The same initiator name already exists in the port. Check the settings file, and then try again.
535	DMEA0011AB: The MTU value is invalid. Check the MTU value, and then try again.
536	DMEA0011AF: The parameter or item name for TargetOption is invalid.
540	DMEA00112C: In the installed firmware revision, a setup of the HostSystemConfiguration cannot be performed. Please update to the firmware which can set up the HostSystemConfiguration.
541	DMEA00112D: The parameter for HostSystemConfiguration or the item name is invalid.
542	DMEA00112E: Processing is not possible because the attribute is not Read/Write. Change the attribute to Read/Write, and then retry.
543	DMEA00112F: The retention period cannot be set for the specified LU. Make sure that the LU status is appropriate.
544	DMEA001134: The validation period cannot be shortened. Specify a value equal to or greater than the current value, and then try again.
551	DMEA001146: Either the specified path name of the directory for storing the management file is longer than 250 characters, or sufficient memory could not be allocated. Specify the path name using no more than 250 characters, or terminate other programs and then try again.
552	DMEA001147: An attempt to create the directory for storing the management file has failed. Check the permissions for the directory, as well as its available capacity.
554	DMEA001148: The specified path name for output of the management file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again.

Error Code	Description
555	DMEA001149: An attempt to write the management file has failed. Check the permissions for the directory, as well as its available capacity.
556	DMEA00114A: An attempt to open the management file has failed. Check the file name, and then try again.
557	DMEA00114B: The contents of the management file are invalid. Check the contents of the file, and then try again.
558	DMEA00114C: The specified path name for the file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again.
559	DMEA00114D: An attempt to write the file has failed. Check the permissions for the directory, as well as its available capacity.
55a	DMEA00114E: An attempt to open the file has failed. Check the file name, and then try again.
55c	DMEA001150: The output time specified for the CSV file is incorrect.
55d	DMEA001151: The specified path name for the CSV file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again.
55e	DMEA001152: An attempt to write the CSV file has failed. Check the permissions for the directory, as well as its available capacity.
55f	DMEA001153: An attempt to open the CSV file has failed. Check the file name, and then try again.
560	DMEA001154: Either the specified path name of the directory for storing the CSV file is longer than 250 characters, or sufficient memory could not be allocated. Specify the path name using no more than 250 characters, or terminate other programs and then try again.
561	DMEA001155: The specified path name for the management file is longer than 250 characters. Specify the path name using no more than 250 characters, and then try again.
562	DMEA001156: The path name of the file to be deleted exceeds 250 characters. Specify a path name of 250 characters or less, and then try again.
563	DMEA001157: The monitoring data cannot be read because the data version is new. Confirm the version of this program, and then try again.
564	DMEA001158: The output number specified for the CSV file is incorrect.
565	DMEA00115A: An attempt to open the management file has failed. Check the file name, and then try again.
567	DMEA00115B: The contents of the management file are invalid. Check the contents of the file, and then try again.
570	DMEA00115C: An attempt to connect has failed. Confirm the connection, and then try again.
571	DMEA00115D: A response was received from a non-array device. Confirm the connection, and then try again.
572	DMEA001163: The value received from the array device is invalid.

Error Code	Description
580	DMEA001164: The specified IP address is invalid. Specify a valid IP address.
581	DMEA001165: The specified subnet mask is invalid. Specify a valid subnet mask.
582	DMEA001166: The specified default gateway address is invalid. Specify a valid default gateway address.
583	DMEA0011B5: The User LAN Parameter header is invalid.
584	DMEA0011B6: The CTL Parameter header is invalid.
585	DMEA0011B7: The parameter or item name for User LAN Parameter is invalid.
586	DMEA0011B8: The Maintenance LAN Parameter header is invalid.
587	DMEA0011B9: The parameter or the item name for Maintenance LAN Parameter is invalid.
588	DMEA0011BA: The process cannot be performed because NNC is equipped. Confirm the port type, and then retry the operation.
589	DMEA0011BB: The process cannot be performed because the DHCP setting is different between the subsystem and input file. Confirm the DHCP setting, and then retry the operation.
58a	DMEA0011BC: The process cannot be performed because the DHCP is enabled. Disable the DHCP, and then retry the operation.
58b	DMEA0011BD: The process cannot be performed because the User LAN port of subsystem is being used by other applications. Refer to [netstat.X.Y.inf](X:Serial Number, Y:Date) file in the directory where Navigator is installed, close applications using User LAN port of subsystem, and then try again.
590	DMEA0011B1: The specified path name for storing the log file is over 255 characters. Specify the path name in 255 characters or fewer, and then try again.
591	DMEA0011B2: The path name for storing the log file is over 255 characters. Specify the path name in 255 characters or fewer, and then try again.
593	DMEA0011B3: An attempt to write the log file has failed. Check the permissions and available capacity of the directory.
594	DMEA0011B4: The internal log is empty.
600	DMEA001159: The processing cannot be performed because a mapping-guarded LU exists.
a01	DMEA00100F: The file for e-mail setting contains an error.
a02	DMEA001010: The e-mail information is not set up.
a03	DMEA001011: The parameter for e-mail setting is invalid.
a04	DMEA001012: An error was detected while connecting to the mail server. Confirm the mail server, and then retry.

Error Code	Description
a05	DMEA001016: An attempt to start the specified application program failed. Confirm the path to the specified application and the operation environment.
a06	DMEA001052: The additional information file cannot be opened. Confirm the execution environment.
a07	DMEA001053: The additional information file is invalid. Confirm the execution environment.
a08	DMEA001054: The mail additional information length is invalid.
a09	DMEA001055: The number of registered mail additional information items reached the maximum. Delete unnecessary information, and then retry.
a0a	DMEA001056: E-mail information cannot be saved. Check the permission and available capacity of the install directory.
b01	DMEA001013: An internal program error occurred. Wait for a while and then retry. If the problem cannot be solved, contact the maintenance personnel.
b02	DMEA001014: The connection type is invalid.
1002	DMEA00000B: An attempt to transfer data failed. Confirm the subsystem status and the LAN environment, and then retry.
1003	DMEA00000C: An attempt to issue the SCSI command failed. Confirm the subsystem status and the LAN environment, and then retry.
1004	DMEA001015: The firmware revision is not supported. Confirm the subsystem status.
1005	DMEA001018: The file in the specified path is incorrect. Specify the correct file path.
1006	DMEA001020: Could not finish replacing the firmware. Please see if there are any alarms or warnings in the subsystem.
1007	DMEA001028: An attempt to restart the subsystem failed.
1008	DMEA001072: The specified path name is over 250 characters.
1009	DMEA001074: The specified path name is incorrect.
100a	DMEA001075: The specified path does not exist, or no effective files exist under the specified path.
100b	DMEA001076: The firmware in the specified path does not exist. Please confirm whether the firmware is stored in the path or the specified path is right.
100c	DMEA001077: Failed to create a firmware file directory. Confirm the execution environment.
100d	DMEA00107A: The firmware replacement of the specified controller cannot be performed. Please replace the firmware of the other controller first.
100e	DMEA00107B: The firmware cannot be read. Please check the permission and available capacity of the install directory.
100f	DMEA00107C: The firmware is not read.

Error Code	Description
1010	DMEA001135: The ENC firmware download and replacement cannot be performed in the single-controller system.
1011	DMEA001136: The directory for storing the ENC firmware cannot be created. Please check the permission of the install directory.
1012	DMEA001137: The ENC firmware cannot be read. Please check the permission and available capacity of the install directory.
1013	DMEA001138: The ENC firmware is not read.
1014	DMEA001139: The ENC firmware of the specified subsystem is not read.
1015	DMEA001140: The ENC firmware in the specified path does not exist. Please confirm whether the ENC firmware is stored in the path or the specified path is right.
1016	DMEA001141: The ENC firmware cannot be read. Please confirm the file and then try again.
1017	DMEA001142: The contents of the ENC firmware are invalid. Please confirm the file and then try again.
1018	DMEA001143: An invalid character was used in the group name.
1019	DMEA001144: Incorrect character in the array unit name.
101a	DMEA001145: The character length of the array unit name or group name is incorrect.
101b	DMEA001170: The character length of the serial number is invalid.
1020	DMEA001167: The information cannot be set because the execution environment setting file exceeds 4096 bytes. Check the specified file.
1021	DMEA001168: The information can not be set because the Array Unit Name Setting File is over 255 Bytes. Please confirm the specified file.
1030	DMEA001169: Processing is not possible because the term of the temporary key or emergency key has expired.
1040	DMEA001171: The contents of the license key file are invalid. Check the contents of the file, and then try again.
1041	DMEA001172: The definition line in the license key file is invalid. Check the contents of the file, and then try again.
1042	DMEA001173: Processing cannot be performed because the number of license keys has exceeded 50. Check the contents of the file, and then try again.
1043	DMEA001175: Could not finish replacing the firmware. Please see if there are any alarms or warnings in the subsystem.
1044	DMEA001176: Processing cannot be performed because the NNC has not been installed. Check the NNC status, and then try again.
1045	DMEA001177: The specified NNC cannot perform processing because it is not physically installed or it cannot be connected. Please check the NNC status, and then try again.

Error Code	Description
1046	DMEA00117F: Processing cannot be performed because a fibre channel port is not physically installed. Check the state of the subsystem, and then try again.
1047	DMEA001180: Processing cannot be performed because the same address has been specified for NTP server 1 and NTP server 2. Specify different addresses, and then try again.
1056	DMEA00117E: The NNC BIOS firmware could not be read. Check whether the installation directory has write permissions and whether there is enough free space.
1057	DMEA00117D: NNC BIOS firmware does not exist in the specified path. Check whether the specified path is correct and whether NNC BIOS firmware is stored in that path.
1058	DMEA00117C: An attempt to create a directory for storing the NNC BIOS firmware has failed. Check whether the installation directory has write permissions.
1059	DMEA00117B: The NNC BIOS firmware has not been read.
105a	DMEA00117A: The contents of the NNC BIOS firmware are invalid. Check the file, and then try again.
105b	DMEA001181: Processing cannot be performed because the controller for the specified NNC has not been registered. Register the controller for the NNC, and then try again.
105c	DMEA001182: Processing cannot be performed because an attempt to connect with the controller for the specified NNC failed. Check the array device status and the connection environment, and then try again.
1060	DMEA001178: The specified external program does not exist. Check whether the external program has been stored.
1061	DMEA001179: An attempt to call the specified external program has failed. Check the set contents and execution environment.
1065	DMEA001183: Processing cannot be performed because a port is invalid or is not physically installed. Check the array device.
1070	DMEA001184: Processing cannot be performed because a connection is not established with the maintenance port. Check the port connection, and then try again.
1071	DMEA001185: Processing cannot be performed because a connection is not established with the management port. Check the port connection, and then try again.
1072	DMEA0011B0: Processing cannot be performed because a fibre channel port and an iSCSI port are not physically installed. Check the port type and the status of the array device, and then try again.
1075	DMEA001186: Processing cannot be performed because the iSCSI port is not physically installed. Check the status of the array device, and then try again.
1076	DMEA001187: The specified target is already defined. Please confirm the name or number, and specify a new target.

Error Code	Description
1077	DMEA001188: The specified target is not defined. Please confirm the name or number, and specify a defined target.
1078	DMEA001189: The specified processing cannot be performed for Target 0. Specify a target other than Target 0.
1079	DMEA001190: The alias is invalid. Check the alias, and then try again.
1080	DMEA001191: The initiator name is invalid. Check the initiator name, and then try again.
1081	DMEA001192: The iSCSI name is invalid. Check the iSCSI name, and then try again.
1082	DMEA001193: The user name is invalid. Check the user name, and then try again.
1083	DMEA001194: The secret is invalid. Check the secret, and then try again.
1084	DMEA0011BE: Processing cannot be performed because the owner ID is invalid. Split the pair by using the application that created the pair.
2000	DMEA002000: Rebooting might have failed, because an error occurred while communicating with the subsystem. Please reboot once again.
2001	DMEA002001: The specified password is invalid. Check and, if necessary, revise the password, and then try again.
2002	DMEA002002: Processing cannot be performed because the account is disabled. Check and, if necessary, revise the account status, and then try again.
2003	DMEA002003: The process cannot be performed because the number of mapping for this port will reach the maximum. Delete unnecessary mapping and try again.
2004	DMEA002004: The specified group does not exist. Specify a exist group.
2005	DMEA002005: The specified pair is not defined. Specify a defined pair.
2006	DMEA002006: The specified pair is not defined in the specified group. Please confirm the pair definition and try again.
2007	DMEA002007: The specified pair is not defined or is not P-VOL in the self subsystem. When a pair is defined, please try again by connected subsystem.
2008	DMEA002008: The invalid character is specified in group name. Confirm the group name.
2009	DMEA002009: The invalid character is specified in pair name. Confirm the pair name.
200a	DMEA00200A: The invalid character is specified in split string. Confirm the split string.
200b	DMEA00200B: The specified group does not have the pair. Specify a exist group.
200c	DMEA00200C: The requested operation cannot be finished. Confirm the subsystem status and the LAN environment, and then try again.

Error Code	Description
200d	DMEA00200D: The specified pair is not defined or is not S-VOL in the self subsystem. When a pair is defined, please try again by connected subsystem.
200e	DMEA00200E: Could not finish replacing the firmware. Confirm the subsystem status and the LAN environment, and then try again only the updating. Please try it again at least three times until complete it normally. If you cannot totally complete it normally, power OFF and then power ON the subsystem.
200f	DMEA00200F: The process cannot be performed because the pair attribute that cannot operate. Please confirm the pair definition and try again.
2010	DMEA002010: The process cannot be performed because the pair attribute that cannot operate. Please confirm the pair definition and try again.
2011	DMEA002011: The process cannot be performed because the certificate file size is invalid. Please confirm the certificate file size and try again.
2012	DMEA002012: The process cannot be performed because the specified battery count is outside the effective range. Please confirm the battery count.
2013	DMEA002013: The initialization of configuration information might have failed, because an error occurred in the communication with the subsystem. Please initialize configuration information once again.
2014	DMEA002014: Failed to initialization of configuration information.
2015	DMEA002015: The subsystem cannot initialize configuration information.
2016	DMEA002016: The process cannot be performed because the connection with controller 0 failed. Confirm the subsystem status and the LAN environment, and then try again.
2017	DMEA002017: The process cannot be performed because the connection with controller 1 failed. Confirm the subsystem status and the LAN environment, and then try again.
2018	DMEA002018: The registered information does not match the status of the subsystem. Correct the information to match the status of the subsystem and then try again.
2019	DMEA002019: The specified IP address is incorrect, or it failed in the name resolution of the host name. Please confirm the connection and then try again.
201a	DMEA00201A: The protocol version of IP address or the host name specified for controller 0 and controller 1 do not match. Please confirm the connection and then try again.
201b	DMEA00201B: The automatic split immediately after the pair creation and the copying from the S-VOL to the P-VOL after the pair creation cannot be specified at a time. Please confirm the operation and try again.
201c	DMEA00201C: The specified IP address is incorrect. Please specify a right IP address.
201d	DMEA00201D: The specified default gateway address is incorrect. Please specify a right default gateway address.

Error Code	Description
201e	DMEA00201E: The automatic split immediately after the pair creation cannot be specified to the pair which belongs to the group. Please confirm the operation and try again.
201f	DMEA00201F: Two or more remote array ID cannot be changed. Please confirm the operation and try again.
2020	DMEA002020: The specified remote path name is not defined. Please specify a defined remote path name.
2021	DMEA002021: The invalid character is specified in remote path name. Please confirm the remote path name.
2022	DMEA002022: The specified serial number or array ID does not exist. Please specify a right serial number or array ID.
2023	DMEA002023: There is no remote array ID for change. Please confirm the operation and try again.
2024	DMEA002024: The process cannot be performed because DC power supply is physically unequipped. Please confirm the subsystem status and try again.
2025	DMEA002025: The process cannot be performed because the number of registered subsystems is over the maximum. Please delete unnecessary information and then try again.
2026	DMEA002026: The process cannot be performed because the specified parameter is not supported. Please confirm the operation and try again.
2027	DMEA002027: The specified file name for storing the CSV file is over 50 characters. Please specify the file name of 50 or less characters and then try again.
2028	DMEA002028: The specified RAID group is already defined or used by DP pool. Please specify a new RAID group.
2029	DMEA002029: Built-in account could not be set as an account for error monitoring. Please specify another user ID.
202a	DMEA00202A: The specified Shared Secret is incorrect. Please confirm the Shared Secret and try again.
202b	DMEA00202B: The DM-LU cannot be mapped. Confirm the setting file and then try again.
202c	DMEA00202C: The directory does not exist. Please confirm the directory and then try again.
202d	DMEA00202D: The shutdown might have failed, because an error occurred while communicating with the subsystem. Please try again.
202e	DMEA00202E: The specified character is incorrect. Please confirm the character and try again.
202f	DMEA00202F: The SATA Write & Compare Option Separator is invalid. Please confirm the file and then try again.
2030	DMEA002030: The parameter for SATA Write & Compare or the item name is invalid. Please confirm the file and then try again.
2031	DMEA002031: The DP Pool Header is invalid. Please confirm the file and then try again.

Error Code	Description
2032	DMEA002032: The DP Pool configuration data is invalid. Please confirm the file and then try again.
2033	DMEA002033: The DP RAID group Header is invalid. Please confirm the file and then try again.
2034	DMEA002034: The DP RAID group configuration data is invalid. Please confirm the file and then try again.
2035	DMEA002035: The DP RAID group configuration data is invalid. Please confirm the file and then try again.
2036	DMEA002036: Secure communication was not ready. Please retry after a while.
2037	DMEA002037: The session information was not able to be acquired. Please confirm the operation and try again.
2038	DMEA002038: The output of the Event Log failed. Please confirm the operation and try again.
2039	DMEA002039: Cannot specify the parameter for this subsystem in the DP Pool configuration data. Please confirm the file and then try again.
203a	DMEA00203A: The specified path name for backing up a master authentication key file is over 250 characters. Please specify the pass name of 250 or less characters and then try again.
203b	DMEA00203B: There is no master authentication key refresh number. Please confirm specified value, and try again.
203c	DMEA00203C: Failed to write the file. Please check the permission and available capacity of the directory.
203d	DMEA00203D: Failed to open the file. Confirm the file name and then try again.
203e	DMEA00203E: Failed to write the file, because the directory of the same name as the backing up a master authentication key file exists. Please change the directory name and then try again.
203f	DMEA00203F: The file cannot be read because there are a lot of ENC firmwares. Please confirm the file and then try again.
2040	DMEA002040: The specified DM-LU cannot be expanded. Please confirm the attribute, capacity and state of the logical unit.
2041	DMEA002041: The parameter for Battery Charging Write Command or the item name is invalid.
2042	DMEA002042: The process cannot be performed because the drive type or the drive capacity is not supported. Please confirm the drive type or the drive capacity, and try again.
2043	DMEA002043: The protocol version of IP address specified for path 0 and path 1 does not match. Please confirm the IP address and then try again.
2044	DMEA002044: The process cannot be performed because the LUN Manager is not installed, locked, or disabled. Please install the LUN Manager and then try again.

Error Code	Description
2045	DMEA002045: The process cannot be performed because the LUN Manager is installed. Please change LUN Manager to de-installed, locked, or disabled and then try again.
2046	DMEA002046: The DP Pool Tier Header is invalid. Please confirm the file and then try again.
2047	DMEA002047: The DP Pool Tier configuration data is invalid. Please confirm the file and then try again.
2048	DMEA002048: The process cannot be performed because the Dynamic Tiering is not installed, locked, or disabled. Please install the Dynamic Tiering and then try again.
2049	DMEA002049: Failed to write the file. Please check the permission and available capacity of the directory.
204a	DMEA00204A: Failed to open the file. Please try again.
204b	DMEA00204B: There is no encryption key number. Please try again.
204c	DMEA00204C: Failed to write the file, because the directory of the same name as the backing up an encryption key file exists. Please change the directory name and then try again.
204d	DMEA00204D: The backing up an encryption key file cannot be read. Please try again.
204e	DMEA00204E: The specified path name for backing up an encryption key file is over 250 characters. Please specify the pass name of 250 or less characters and then try again.
204f	DMEA00204F: The specified file name for backing up an encryption key file is over 50 characters. Please specify the file name of 50 or less characters and then try again.
2050	DMEA002050: The file cannot be read. Please try again.
2051	DMEA002051: [Protect the Volumes by the Key Management Server] cannot be enabled because the key to boot subsystem is incorrect. Please try again.
2052	DMEA002052: Failed to create the encryption key. Please try again.
2053	DMEA002053: [Protect the Volumes by the Key Management Server] cannot be enabled because failed to create the key to boot subsystem. Please try again.
fffe	DMEA00000E: An internal program error occurred. Wait for a while, and then retry. If the problem cannot be solved, contact maintenance personnel.
ffff	DMEA00000D: Insufficient memory. Terminate other programs, and then retry.
10000	DMEA000001: The Busy status was reported from the subsystem. Retry after waiting for a while.
20000	DMEA000002: The Queue Full status was reported from the array device. Wait a while, and then try again.
30000	DMEA000003: LU0 is reserved by another host. Retry after the reservation is canceled.

Error Code	Description
40000	DMEA000004: An error was detected in the data received from the subsystem. Confirm the subsystem status and the LAN environment, and then retry.
50000	DMEA000005: An error occurred while communicating with the subsystem. Confirm the subsystem status and the LAN environment, and then retry.
60000	DMEA000006: Failed to connect with the subsystem. Confirm the subsystem status and the LAN environment, and then retry.
70000	DMEA000007: An invalid response was received from the subsystem. Confirm the subsystem status and the LAN environment, and then retry.
70001	DMEA000009: There is no response from the subsystem. Confirm the subsystem status and the LAN environment, and then try again.
80000	DMEA000008: An unexpected error was reported from the subsystem. Retry after waiting for a while.
90000	DMEA00000A: The CHECK CONDITION status was reported from the subsystem, but the details could not be acquired. Retry after waiting for a while.
900001	DMEA900001: There is no file header.
900002	DMEA900002: The contents of the file are invalid. Confirm the file and then try again.
900003	DMEA900003: The file cannot be read. Please confirm the file and then try again.
900004	DMEA900004: The tape group configuration data is invalid. Please confirm the file and then try again.
900005	DMEA900005: The tape group number is invalid.
900006	DMEA900006: The tape group is already defined.
900007	DMEA900007: The same tape group number exists.
900008	DMEA900008: The number of tape groups and the number of generations are different.
900009	DMEA900009: The tape cartridge type is invalid.
90000a	DMEA90000A: The specified tape cartridge type is not supported.
90000b	DMEA90000B: The number of tape cartridges is invalid.
90000c	DMEA90000C: The redundancy is invalid.
90000d	DMEA90000D: The node name or the port name is invalid.
90000e	DMEA90000E: The specified library does not exist.
90000f	DMEA90000F: The secondary library is invalid.
900010	DMEA900010: There is no effective information.
900011	DMEA900011: The process cannot be performed because the current subsystem does not support the function.
900012	DMEA900012: The file path is too long.

Error Code	Description
900013	DMEA900013: The specified directory does not exist.
900014	DMEA900014: There is no key information.
900015	DMEA900015: This file is not TR constitution backup file.
900016	DMEA900016: The file version is unmatch.
900017	DMEA900017: There is no tape group information.
900018	DMEA900018: The tape group information is invalid.
900019	DMEA900019: The format of strings is invalid.
900020	DMEA900020: The tape group number is doubled.
900021	DMEA900021: The tape group detail information is invalid.
900022	DMEA900022: There is no tape information.
900023	DMEA900023: The tape information is invalid.
900024	DMEA900024: The tape group information is unmatch.
900025	DMEA900025: The value of information is too large.
900026	DMEA900026: The specified file does not exist.
900027	DMEA900027: The file is not specified. Please specify the file and try again.
900028	DMEA900028: There is no LU information.
900029	DMEA900029: The LU information is invalid.
900030	DMEA900030: The value of information is too small.
900031	DMEA900031: The TR constitution information is invalid.
900032	DMEA900032: The backup by append write was not normally accepted. Please retry after a while.
900033	DMEA900033: The data set number is doubled.
900034	DMEA900034: The data set detail information is invalid.
1000000	DMES000000: Retry.
1010200	DMES010200: Retry.
1010600	DMES010600: Retry.
1010802	DMES010802: Retry.
1010900	DMES010900: Retry.
1011300	DMES011300: Retry.
1011401	DMES011401: Retry.
1011501	DMES011501: Retry.
1011502	DMES011502: Retry.
1011700	DMES011700: Retry.
1011701	DMES011701: Retry.

Error Code	Description
1011702	DMES011702: Retry.
1011703	DMES011703: Retry.
1011800	DMES011800: Retry.
1011801	DMES011801: Retry.
1011802	DMES011802: Retry.
1011902	DMES011902: Retry.
1011903	DMES011903: Retry.
1013200	DMES013200: Retry.
1013201	DMES013201: Retry.
1015b00	DMES015B00: Retry.
1015b02	DMES015B02: Retry.
1015b03	DMES015B03: Retry.
1018a03	DMES018A03: Retry.
1018a04	DMES018A04: Retry.
1018b01	DMES018B01: Retry.
1019621	DMES019621: Rebooting is required to apply the setup.
1019625	DMES019625: The Account Authentication function was enabled successfully.
1019626	DMES019626: The Account Authentication function was disabled successfully.
1019627	DMES019627: The Account Authentication function was unlocked successfully.
1019628	DMES019628: The Account Authentication function was locked successfully.
10196f2	DMES0196F2: TR constitution backup or restoration is requested.
10196f7	DMES0196F7: The backup by append write is requested.
101ea05	DMES01EA05: The firmware has been downloaded to the system drives, but some system drives could not be used. The subsystem can be used.
1020400	DMES020400: Processing cannot be performed because the LU is unformatted or currently being formatted. Check the LU status, and then try again.
1020401	DMES020401: Retry.
1020402	DMES020402: Retry.
1020404	DMES020404: Processing is not possible because it is now formatting. Retry after formatting completes.
1020484	DMES020484: Power off in process. Retry when the subsystem is in Ready status.
1020500	DMES020500: Retry.

Error Code	Description
1023e00	DMES023E00: Retry.
1029500	DMES029500: Processing is not possible because the subsystem is being shut down. Wait a moment and restart the subsystem, and then retry.
1029501	DMES029501: The process cannot be performed because the subsystem is in a shutdown state. Please restart the subsystem and then try again.
102959a	DMES02959A: Retry.
102959b	DMES02959B: Retry.
10296f3	DMES0296F3: The process cannot be performed because the MT library is connecting or not connected. Please confirm the MT library and then try again.
10296f4	DMES0296F4: The process cannot be performed because the path for the MT library connection is detached. Please confirm the path status and then try again.
1029704	DMES029704: The processing cannot be performed because some RAID groups are in low-power mode. Spin up the RAID groups, and then try again.
1030c02	DMES030C02: Retry.
1031000	DMES031000: Retry.
1031102	DMES031102: Retry.
1031104	DMES031104: Retry.
1031200	DMES031200: Retry.
1031300	DMES031300: Retry.
1031401	DMES031401: Retry.
1031501	DMES031501: Retry.
1031502	DMES031502: Retry.
1031902	DMES031902: Retry.
1031903	DMES031903: Retry.
1031c01	DMES031C01: Retry.
1031c02	DMES031C02: Retry.
1031d00	DMES031D00: Retry.
1033100	DMES033100: Retry.
1033101	DMES033101: Formatting ended abnormally. Retry after waiting for a while.
1033180	DMES033180: The specified LU is unformatted. Specify a formatted LU, and then retry.
1033181	DMES033181: Retry.
1033201	DMES033201: Retry.
1038e01	DMES038E01: Retry.

Error Code	Description
1039300	DMES039300: Retry.
103f000	DMES03F000: Retry.
103f100	DMES03F100: Retry.
1040100	DMES040100: Retry.
1040200	DMES040200: Retry.
1040300	DMES040300: Retry.
1040600	DMES040600: Retry.
1040700	DMES040700: Retry.
1040800	DMES040800: Retry.
1040801	DMES040801: Retry.
1040802	DMES040802: Retry.
1040900	DMES040900: Retry.
1041b00	DMES041B00: Retry.
1043200	DMES043200: Retry.
1044400	DMES044400: Retry.
10444a0	DMES0444A0: Retry.
1044c00	DMES044C00: Retry.
1048a01	DMES048A01: Retry.
1048a02	DMES048A02: Retry.
1049000	DMES049000: Retry.
1049001	DMES049001: Retry.
1049100	DMES049100: Retry.
1049101	DMES049101: Retry.
1049502	DMES049502: The requested operation cannot be performed. Confirm that there are no abnormalities in the subsystem.
1049504	DMES049504: The process cannot be performed because Switch Array failed. Please confirm the subsystem status and then try again.
1049599	DMES049599: Retry.
1049900	DMES049900: Retry.
1049903	DMES049903: The elimination of PIN data is not completed. Please wait for a while and then try again.
104a000	DMES04A000: Retry.
104e400	DMES04E400: Retry.
104ea01	DMES04EA01: Retry.
104ea02	DMES04EA02: Retry.

Error Code	Description
104ea10	DMES04EA10: An error was detected in firmware downgrade check. Please retry by using another firmware.
104ea11	DMES04EA11: The specified firmware could not be installed on to the RKL type because the firmware version is old.
104eb00	DMES04EB00: The information could not be set because the backup floppy disk is not inserted.
104eb01	DMES04EB01: The backup information could not be written on to the FD because the FDD is in use or an error occurred in the FDD on the subsystem.
104eb02	DMES04EB02: An error occurred during the writing to the floppy disk.
104eb03	DMES04EB03: The SCSI ID could not be set online due to other controller blockage.
104f200	DMES03F200: Retry.
104f300	DMES03F300: Retry.
104f400	DMES04F400: Retry.
104f610	DMES04F610: Retry.
104f611	DMES04F611: Retry.
104f620	DMES04F620: Retry.
104f621	DMES04F621: Retry.
104f630	DMES04F630: Retry.
104f631	DMES04F631: Retry.
104f640	DMES04F640: Retry.
104f641	DMES04F641: Retry.
104f650	DMES04F650: Retry.
104f651	DMES04F651: Retry.
104f660	DMES04F660: Retry.
104f661	DMES04F661: Retry.
104f670	DMES04F670: Retry.
104f671	DMES04F671: Retry.
104f800	DMES04F800: Retry.
104f801	DMES04F801: Retry.
104f802	DMES04F802: Retry.
104f803	DMES04F803: Retry.
104f804	DMES04F804: Retry.
104f805	DMES04F805: Retry.
104f807	DMES04F807: Retry.

Error Code	Description
104f808	DMES04F808: Retry.
104f809	DMES04F809: Retry.
104f8f0	DMES04F8F0: Retry.
104f900	DMES04F900: Retry.
104f901	DMES04F901: Retry.
104f902	DMES04F902: Retry.
104f903	DMES04F903: Retry.
104f904	DMES04F904: Retry.
104f905	DMES04F905: Retry.
104f906	DMES04F906: Retry.
104f907	DMES04F907: Retry.
104f908	DMES04F908: Retry.
104f909	DMES04F909: Retry.
104f9f0	DMES04F9F0: Retry.
1050000	DMES050000: Retry.
1051a00	DMES051A00: Retry.
1052000	DMES052000: Retry.
1052100	DMES052100: Retry.
1052400	DMES052400: Retry.
1052500	DMES052500: The processing cannot be performed because the LU is either undefined or cannot be recognized from the host.
1052580	DMES052580: An attempt to allocate the LU failed. Confirm the specified value.
1052581	DMES052581: The RAID group is not defined. Specify an existing RAID group.
1052583	DMES052583: The setting is not possible because the setting does not match the conditions of the LU cache resident settings.
1052584	DMES052584: The last LBA in the RAID group defined with RAID1+0 full mapping does not match the current value.
1052590	DMES052590: The LU non-owner controller received an LU replacement command (for TRESPASS mode only).
10525a0	DMES0525A0: Retry.
1052600	DMES052600: Processing failed due to an invalid parameter. Confirm the specified value.
1052601	DMES052601: Processing failed due to an unsupported parameter. Confirm the specified value.
1052602	DMES052602: Processing failed due to an invalid parameter. Confirm the specified value.

Error Code	Description
1052604	DMES052604: Release of Persistent Reservation failed because the type of the Persistent Reserve command was different.
1055504	DMES055504: It is impossible to register over 32 Reservation Keys in an LU.
1058c01	DMES058C01: Retry.
1059401	DMES059401: Retry.
1059503	DMES059503: The process cannot be performed because Switch Array failed. Please confirm the subsystem status and then try again.
1059505	DMES059505: The process cannot be performed because the controller is detached. Please recover the controller status and then try again.
1059510	DMES059510: The process cannot be performed because the firmware is being replaced.
1059511	DMES059511: Processing is not possible because the SVP is being replaced.
1059520	DMES059520: The specified function cannot be performed because the subsystem is in an incorrect status for execution. Confirm there are no alarms/warnings in the subsystem, or the configuration is changed.
1059521	DMES059521: The change from Dual Active mode to Hot Standby mode and the change from Hot Standby mode to Dual Active mode cannot be performed because of an excessive PIN state. Restore the PIN data, and then retry.
1059530	DMES059530: The specified user ID is not registered.
1059531	DMES059531: Execution failed because another user is logged in.
1059532	DMES059532: The specified user ID is already registered.
1059533	DMES059533: Registration failed because 20 users are already registered.
1059534	DMES059534: The specified password is not confirmed.
1059535	DMES059535: Another user already logged in.
1059536	DMES059536: The function cannot be used because it is not installed, locked, or disabled.
1059537	DMES059537: The function cannot be executed because you have not logged in.
1059540	DMES059540: A spare disk is defined within the range of the specified RAID group. Specify the range which does not contain a spare disk.
1059541	DMES059541: The drive capacity of the RAID group is invalid, or the RAID group capacity is too large.
1059542	DMES059542: The specified drive cannot be used as a spare drive.
1059543	DMES059543: The number of spare drives reached the maximum.
1059544	DMES059544: The specified drive is already defined as a spare drive, or is already being used in the RAID group.

Error Code	Description
1059545	DMES059545: The specified drive capacity is smaller than that of the RAID group.
1059546	DMES059546: The specified drive is not defined as a spare drive.
1059547	DMES059547: The specified spare drive cannot be released because it is in use.
1059548	DMES059548: The specified function has already been unlocked.
1059549	DMES059549: The specified function has already been locked.
105954a	DMES05954A: Invalid key code.
105954b	DMES05954B: The RAID group cannot be defined because the drive is not mounted, or a blocked drive exists.
105954c	DMES05954C: The specified drive cannot be defined as a spare drive because it is not mounted or is in blocked status.
105954d	DMES05954D: Processing is not possible because the target mode is not M-TID,M-LUN.
105954e	DMES05954E: Processing is not possible because the addition of target information is required but changed or deleted information exist.
1059550	DMES059550: The function cannot be executed because of write prohibition.
1059551	DMES059551: The function cannot be executed because the concealment mode is enabled.
1059552	DMES059552: The function cannot be executed because the coupling LU or command device exists.
1059554	DMES059554: The function cannot be executed because the command device is not registered.
1059555	DMES059555: The function cannot be executed because the stripe size is not 64KB.
1059557	DMES059557: LU capacities of the P-VOL and S-VOL are not the same. Check the capacity of the LU.
1059558	DMES059558: Processing is not possible because the specified LU is a unified LU, or unified LUs exist.
1059559	DMES059559: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
105955a	DMES05955A: The unification cannot be performed because the controllers in charge of the LUs do not match.
105955b	DMES05955B: The unification cannot be performed because the controller in charge of the LU is reserved to be changed. Cancel the reservation, and then retry.
105955c	DMES05955C: The LU of RAID0 cannot be unified. Specify a LU with a RAID level that is not RAID0.
105955d	DMES05955D: The unification cannot be performed because the size of the unified LU will exceed the maximum.

Error Code	Description
105955e	DMES05955E: The separation cannot be performed because the specified LU is not a unified LU. Specify a unified LU and then retry.
1059560	DMES059560: Processing is not possible because the target mode is not M-TID,M-LUN.
1059561	DMES059561: Processing is not possible because the target mode is M-TID,M-LUN, but the target information has already been set.
1059562	DMES059562: The unification cannot be performed because the specified subLU is a unified LU. Specify a non-unified LU for subLU, and then retry.
1059563	DMES059563: The unification or separation cannot be performed because the specified LU is a Sub LU. Specify a Main LU (unified LU) and then try again.
1059564	DMES059564: LU0 cannot be specified as a subLU. Specify an LU other than LU0 for subLU, and then retry.
1059565	DMES059565: The unification cannot be performed because the status of the LU is not normal or degenerated. Specify a LU with a status that is normal or degenerated, and then retry.
1059566	DMES059566: The process cannot be performed because the LU number is over max LU number. Specify a number under max LU number and then try again.
1059568	DMES059568: The specified RAID group cannot be deleted because it contains LU0 and LUs exist in other RAID groups.
1059569	DMES059569: The specified LU cannot be deleted because it is not the last defined LU.
105956a	DMES05956A: The specified LU cannot be defined because LU0 is not yet defined. Define LU0 first, and then retry.
105956b	DMES05956B: The capacity is beyond the limits of supported. Split the unnecessary pairs.
1059571	DMES059571: An attempt to set the path failed. Confirm the subsystem and then retry.
1059572	DMES059572: An attempt to delete the path failed. Confirm the subsystem and then retry.
1059573	DMES059573: An option that cannot be specified at the same time is effective unlocked.
1059574	DMES059574: The process cannot be performed because Remote Replication is in progress.
1059575	DMES059575: The option cannot be locked or disabled because the path has already been set.
1059577	DMES059577: Processing is not possible because the pair creation is in progress.
105957a	DMES05957A: The process cannot be performed because the status of pair is suspend. Retry after solving the error.
105957b	DMES05957B: The process cannot be performed under 'pair' status. Retry after splitting the pair.

Error Code	Description
105957c	DMES05957C: Processing is not possible because the pair has been created in another subsystem.
105957d	DMES05957D: Processing is not possible because the subsystem is in a condition of over the inflow threshold.
105957e	DMES05957E: The process cannot be performed because the status of ShadowImage pair is incorrect.
105957f	DMES05957F: The option cannot be unlocked because it used in the Fibre Channel subsystem.
1059580	DMES059580: The process cannot be performed because the RAID Manager is doing a conflicting process. Wait a moment and then try again.
1059590	DMES059590: Processing is not possible because the subsystem is for the exclusive use of 128 LUs.
1059591	DMES059591: Processing is not possible because the number of ShadowImage pairs reached the maximum.
1059596	DMES059596: Retry.
1059600	DMES059600: Processing is not possible. Wait for a while, and then retry.
1059601	DMES059601: The specified host group number is valid.
1059602	DMES059602: Processing is not possible because the specified option is not a fee-basis option.
1059603	DMES059603: Processing is not possible because the specified size of the LU exceeds the maximum LU size.
1059606	DMES059606: The specified LU is invalid. Specify a valid LU and then retry.
1059607	DMES059607: The function cannot be executed because the pair LU or SnapShot logical unit already exists.
105960a	DMES05960A: The function cannot be executed because a logical unit already added to the data pool exists.
1059612	DMES059612: Processing is not possible because the specified LU is being quick formatted. Wait until the quick format finishes, and then retry.
1059615	DMES059615: Processing is not possible because the specified logical unit is part of a COW Snapshot pair. Cancel the COW Snapshot pair, and then try again.
1059617	DMES059617: Processing is not possible because the specified RAID level is not supported. Specify a supported RAID level, and then retry.
105961a	DMES05961A: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry.
105961d	DMES05961D: The RAID group cannot be created because different types of drives are specified. Check the drive types, and then retry.
105961e	DMES05961E: One internal LUN cannot be mapped to two or more host LUNs in a port. Check the specified mapping information, and then try again.

Error Code	Description
105961f	DMES05961F: The function cannot be executed because the Hi-Copy pair LU already exists. Cancel the Hi-Copy pair, and then try again.
10596f5	DMES0596F5: Could not start replacing the micro program because the process is in progress in the MT library. Please retry after process completes.
10596f6	DMES0596F6: The process cannot be performed because other process is in progress in the MT library. Please retry after process completes.
10596f7	DMES0596F7: The micro program cannot be downgraded because the LTO4 tape drive exists. Please retry after romoving it or by using another micro program.
10596f8	DMES0596F8: The micro program cannot be downgraded because LUN Expansion are unlocked. Please retry after locking option or by using another micro program.
10596f9	DMES0596F9: The micro program cannot be downgraded because ShadowImage are unlocked. Please retry after locking option or by using another micro program.
10596fa	DMES0596FA: The micro program cannot be downgraded because the LTO4 tape or the LTO4 tape group exists. Please retry after executing the inventory after exporting the tape and deleting the tape group or by using another micro program.
10596fb	DMES0596FB: The micro program cannot be downgraded because Cartridge Cell License are unlocked. Please retry after locking option or by using another micro program.
10596fc	DMES0596FC: The micro program cannot be downgraded because the non-supported MT library is connected. Please retry after deleting the MT library or by using another micro program.
105ea03	DMES05EA03: Failed to download the firmware. Please confirm the combination of the specified firmware and the subsystem.
105ea04	DMES05EA04: Failed to replace the firmware. Confirm the subsystem.
105ea05	DMES05EA05: Failed to download the firmware. Please confirm the combination of the specified firmware and the subsystem, and then try again from read of the firmware.
105ea06	DMES05EA06: Failed to replace the firmware. Please confirm the subsystem, and then try again from read of the firmware.
105ea10	DMES05EA10: An error was detected in firmware downgrade check. Please retry by using another firmware.
105ea12	DMES05EA12: It is impossible to change from the 128LU version firmware to the 64LU version firmware.
105ea14	DMES05EA14: The firmware cannot be downgraded because the High-speed Sequential Write Mode is enabled. Please set the High-speed Sequential Write Mode to disable then try again.
105ea15	DMES05EA15: The firmware cannot be downgraded because the Random Simple Buffer Size 0% Mode is enabled. Please set the Random Simple Buffer Size 0% Mode to disable then try again.

Error Code	Description
105ea16	DMES05EA16: The firmware cannot be downgraded on this current spare drive configuration. Please release all spare drives then try again.
105ea17	DMES05EA17: The firmware cannot be downgraded because the units are intermixed. Please remove the AT units then try again.
105ea18	DMES05EA18: The firmware cannot be downgraded because the ShadowImage I/O Switch Mode is enabled. Please set the ShadowImage I/O Switch Mode to disable then try again.
105ea19	DMES05EA19: The firmware cannot be downgraded because SnapShot and Cache Residency are unlocked together or not restarted the subsystem after locked. Please lock either option and restart the subsystem, and then try again.
105ea1a	DMES05EA1A: Cannot download, because the firmware does not match to this subsystem. Please retry by using another firmware.
105ea1b	DMES05EA1B: The firmware cannot be downgraded because the RAID group of RAID6 exists. Please retry after deleting it or by using another firmware.
105ea1c	DMES05EA1C: The firmware cannot be downgraded because the non-supported units are connected. Please retry after removing the units or by using another firmware.
105ea1d	DMES05EA1D: The firmware cannot be downgraded because the non-supported cache is connected. Please retry after removing the cache or by using another firmware.
105ea1e	DMES05EA1E: Execution is not possible because the NNC connected to the specified controller is not shut down. Shut down the NNC, and then retry the operation.
105ea1f	DMES05EA1F: Execution is not possible because the NNC is not shut down. Shut down the NNC, and then retry the operation.
105ea20	DMES05EA20: The subsystem cannot be restarted.
105ea30	DMES05EA30: The ENC firmware download and replacement cannot be performed because there is an error in the loop. Please retry after solving the error.
105ea31	DMES05EA31: The process cannot be performed because the ENC firmware is being replaced. Please retry after replacement completes.
105ea32	DMES05EA32: Failed to download the ENC firmware. Please confirm the combination of the specified ENC firmware and the subsystem.
105ea33	DMES05EA33: The ENC firmware of this revision cannot be downloaded. Please retry by using another ENC firmware.
105ea34	DMES05EA34: The sum check error of the ENC firmware occurred. Please retry by using another ENC firmware.
105ea35	DMES05EA35: The ENC firmware is not downloaded. Please try again after downloading.
105ea36	DMES05EA36: Failed to replace the ENC firmware. Please confirm the subsystem.

Error Code	Description
105ea37	DMES05EA37: Failed to download the ENC firmware. Please confirm the combination of the specified ENC firmware and the subsystem, and then try again from read of the ENC firmware.
105ea40	DMES05EA40: Processing is not possible because the automatic download is enabled. Disable automatic download, and then try again.
105ea41	DMES05EA41: The process cannot be performed because the ENC firmware is being replaced. Please retry after replacement completes.
105ea42	DMES05EA42: The process cannot be performed because the subsystem is under diagnosis process. Please retry after a while.
105ea43	DMES05EA43: The process cannot be performed because the controller is detached. Recover the controller status and then try again.
105ea44	DMES05EA44: The process cannot be performed because the ENC is detached. Recover the ENC status and then try again.
105ea45	DMES05EA45: The process cannot be performed in the single-controller system. Confirm the system configuration.
105ea46	DMES05EA46: The ENC firmware of this revision cannot be replaced. Please retry by using another ENC firmware.
105ea49	DMES05EA49: The firmware replacement cannot be performed because the CPU is heavily-loaded. Please wait a moment and then try again.
105eb04	DMES05EB04: The FDD on the subsystem could not be diagnosed because the FDD is in use.
1062900	DMES062900: Retry.
1062a00	DMES062A00: Retry.
1062a03	DMES062A03: For the LU, all Reservation Keys and Persistent Reservations were cleared by the Clear service action of the Persistent Reserve command.
1062a04	DMES062A04: The registration of the Persistent Reserve command or Register & Ignore Key service action cleared the Reservation Key and released the Persistent Reservation.
1062a05	DMES062A05: Preempt of the Persistent Reserve command or a Preempt & Abort service action cleared the Reservation Key.
1062f00	DMES062F00: Retry.
1063f01	DMES063F01: The firmware is downloaded.
1068200	DMES068200: Retry.
1068201	DMES068201: Retry.
1068202	DMES068202: Retry.
1068210	DMES068210: Retry.
1068211	DMES068211: Retry.
1068212	DMES068212: Retry.
1068213	DMES068213: Retry.

Error Code	Description
1068214	DMES068214: Retry.
1068215	DMES068215: Retry.
1068216	DMES068216: Retry.
1068217	DMES068217: Retry.
1068218	DMES068218: Retry.
1068219	DMES068219: Retry.
106821a	DMES06821A: Retry.
1068300	DMES068300: Retry.
1068400	DMES068400: Retry.
1079578	DMES079578: Processing is not possible because the data is being copied.
1079595	DMES079595: Retry.
1079597	DMES079597: Retry.
1079598	DMES079598: Retry.
10b3d00	DMES0B3D00: Retry.
10b4300	DMES0B4300: Retry.
10b4500	DMES0B4500: Retry.
10b4700	DMES0B4700: Retry.
10b4800	DMES0B4800: Retry.
10b4900	DMES0B4900: Retry.
10b4a00	DMES0B4A00: Retry.
10b4b00	DMES0B4B00: Retry.
10b4e00	DMES0B4E00: Retry.
10b9531	DMES0B9531: The execution could not be performed because another user is logged in.
10bc000	DMES0BC000: Retry.
10bc001	DMES0BC001: Retry.
10bc002	DMES0BC002: Retry.
10bc100	DMES0BC100: Retry.
10bc200	DMES0BC200: Retry.
10bda00	DMES0BDA00: The process cannot be performed because the drive recovery is in progress. Retry after waiting for a while.
10bfd00	DMES0BFD00: Processing is not possible due to LU replacement. Connect to the controller with owner permission, and then retry.
10bfd01	DMES0BFD01: Processing is suspended due to LU replacement. Retry after waiting for a while.

Error Code	Description
3010001	DMED010001: The same host group name exists in a port. Confirm the host group name, and then retry.
3010002	DMED010002: The same WWN name exists in a port. Confirm the WWN name, and then retry.
3010003	DMED010003: WWNs cannot be assigned to undefined host groups. Specify a defined host group, and then try again.
3010004	DMED010004: The function cannot be executed because the host group security on all ports is set to enabled. Set the host group security to disabled on all ports, and then retry.
3010005	DMED010005: Processing cannot be performed because the target security for a port is enabled. Disable the target security for all ports, and then try again.
3010006	DMED010006: Processing cannot be performed because the specified name is the default name for host group 0. Check the name, and then try again.
3020001	DMED020001: The value of the Dirty Data Opportunity is outside the valid range. Specify a value in the valid range, and then retry.
3020002	DMED020002: The value of the Dirty Data Stop Opportunity is outside the valid range. Specify a value in the valid range, and then retry.
3020003	DMED020003: The value of the Dirty Data Stop Opportunity is less than or equal to the value of the Dirty Data Opportunity. Specify the value, and then retry.
3020004	DMED020004: The value of the Prefetch Starting Opportunity is outside the valid range. Specify a value in the valid range, and then retry.
3020005	DMED020005: The LU number is outside the valid range. Specify a LU number in the valid range, and then retry.
3020006	DMED020006: The reserved random simple buffer size is outside the valid range. Specify a value within the effective range, and then retry.
3020007	DMED020007: The specification of the Random Simple Buffer Size 0% is incorrect. Revise the specification.
3020008	DMED020008: Prefetch Count is outside the valid range. Specify a value in the valid range, and then retry.
3020009	DMED020009: Prefetch Size is outside the valid range. Specify a value in the valid range, and then retry.
302000a	DMED02000A: The specification of the Next Prefetch Opportunity Mode is incorrect. Revise the specification.
302000b	DMED02000B: Setup is not possible because the Multiple Stream Mode of the system parameters is disabled. Enable the Multiple Stream Mode, and then retry.
3020010	DMED020010: The number of sequential judgments is outside the valid range. Specify a value in the valid range, and then try again.
3020011	DMED020011: The base Prefetch size is outside the valid range. Specify a value in the valid range, and then try again.

Error Code	Description
3020012	DMED020012: The fixed Prefetch size is outside the valid range. Specify a value in the valid range, and then try again.
3020013	DMED020013: The value of Dirty Data Opportunity is equal to or less than value of Dirty Data Stop Opportunity. Specify the value and try again.
3020014	DMED020014: The process cannot be performed because the specified Load Balancing value is outside the effective range. Set up an effective value.
3020015	DMED020015: The process cannot be performed because the specified Load Balancing Monitoring Time is outside the effective range. Please set up an effective value.
3030001	DMED030001: The specified LU is already invalid. Confirm the LU status, and then retry.
3030002	DMED030002: The number of LUs exceeds the maximum number of LUs. Delete unnecessary LUs, and then retry.
3030003	DMED030003: The specified LU is not invalid. Specify a invalid LU, and then retry.
3030004	DMED030004: The specified LU capacity has exceeded the capacity of the original LU. Confirm the LU capacity, and then retry.
3030006	DMED030006: The specified LU is invalid. Specify a valid LU, and then retry.
3030007	DMED030007: The specified LU is unformatted. Specify a formatted LU, and then retry.
3030008	DMED030008: The number of LUs exceeds the maximum. Delete any unnecessary LUs, and then retry.
3030009	DMED030009: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
303000a	DMED03000A: The specified LU capacity is less than or equal to the minimum capacity of the LU. Specify a capacity larger than the minimum of the LU, and retry.
303000b	DMED03000B: Processing cannot be performed because the access level has been set. Change the attribute to Read/Write, enable the S-VOL mode, and then try again.
3040001	DMED040001: The specified LUs contain a subLU. Confirm the LU status, and then retry.
3040003	DMED040003: The specified LUs contain a regressed or detached LU. Confirm the LU status, and then retry.
3040004	DMED040004: The specified LUs contain an un-mounted drive. Confirm the drive status, and then retry.
3040005	DMED040005: The specified LUs contain an invalid LU. Confirm the LU status, and then retry.
3040006	DMED040006: Someone is already logged in. Set the password protection function to disabled, and then retry.
3040007	DMED040007: There is no LU with an entry of format.

Error Code	Description
3040008	DMED040008: Format of the logical unit cannot be performed under the Drive Detach Mode. Please turn off the Drive Detach Mode of system parameter.
3040009	DMED040009: Processing cannot be performed because the access level has been set. Change the attribute to Read/Write, enable the S-VOL mode, and then try again.
3050001	DMED050001: Processing cannot be executed because the specified LU has a PIN or there are too many PINs. Restore the PIN data, and then try again.
3050002	DMED050002: Processing is not possible because the cache segment is insufficient. Wait for a while, and then try again.
3050003	DMED050003: Processing cannot be performed because the specified LU is continuously receiving write commands from the host, or the subsystem is running under a high load. Please wait a while, and then try again.
3050004	DMED050004: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
3050005	DMED050005: Processing is not possible because a partition with the necessary conditions for LU switching does not exist. Confirm the partition definition, and then try again.
3050006	DMED050006: Processing cannot be performed because the specified logical unit is reserved for cache partition modification. Change the cache partition, and then try again.
3050007	DMED050007: Processing is not possible because the LU is being switched. Wait for a while, and then try again.
3050008	DMED050008: Processing is not possible because the LU is being switched. Wait for a while, and then try again.
3050009	DMED050009: The time out occurred by the LU changing. Please wait for a while and then try again.
305000a	DMED05000A: Processing is not possible because the controller is blocked. Recover the controller status, and then try again.
305000b	DMED05000B: The process cannot be performed because the controller of LU partition does not match or the partition number of LU is not same. Specify the LU which uses the same controller's partition, or the same partition. When the partition of a LU is set as 0 or 1, set a pair partition as auto.
305000c	DMED05000C: An internal program error occurred. Wait for a while and then try again. If the problem cannot be solved, contact the maintenance personnel.
305000d	DMED05000D: The time out occurred by the LU changing during controller recovery. Please wait for a while and then try again.
305000e	DMED05000E: The process cannot be performed because Remote Replication is in progress. Please retry after replacement completes.
305000f	DMED05000F: The operation to change the controllers that control logical unit cannot be performed because the status of the ShadowImage pair that the specified logical unit is a part of or the ShadowImage pairs that

Error Code	Description
	share the same P-VOL is Synchronizing or Reverse Synchronizing. Please execute the operation when the status of all the pairs is changed to Split, Paired or Failure.
3050010	DMED050010: The operation to change the controllers that controls logical unit cannot be performed because the specified logical unit is a part of a Volume Migration pair and its pair status is Synchronizing. Please execute the operation when the pair status is not Synchronizing.
3050011	DMED050011: The operation to change the controllers that controls logical unit cannot be performed because Auto Migration is in progress. Please execute the operation after Auto Migration is completed.
3050012	DMED050012: The operation to change the controllers that control logical unit cannot be performed because the status of the ShadowImage pair that the specified logical unit is a part of or the ShadowImage pairs that share the same P-VOL is Synchronizing, Reverse Synchronizing, Split Pending or Paired Internally Synchronizing. Please execute the operation when the status of all the pairs is changed to Split, Paired or Failure.
3070001	DMED070001: The dual ID success cannot be set because either the number of host interface boards or interface board types are different between the controllers. Confirm the interface boards status, and then retry.
3070002	DMED070002: The specified IP address is incorrect. Specify a correct IP address.
3070004	DMED070004: The High-speed Sequential Write Mode cannot be disabled because process of Write command from the hosts is not completed. Wait for a while and then try again, or use the system parameter setting with reboot.
3070005	DMED070005: The Multiple Stream Mode and the High-speed Sequential Write Mode cannot be specified at the same time.
3070006	DMED070006: When the ShadowImage pair of an S-VOL Switch status exists the ShadowImage I/O Switch Mode cannot be disabled. Please retry after solving the error.
3070007	DMED070007: The configuration of the single or dual controller system cannot be changed because Cache Partition Manager is enabled. Lock or disable Cache Partition Manager, and then try again.
3070008	DMED070008: Processing cannot be performed because the specified port number is outside the valid range. Check the port number.
3070009	DMED070009: The port number of another controller cannot be set. Check the controller to be set up.
3070010	DMED070010: The process cannot be performed because the specified secure port number is outside the effective range. Please confirm the secure port number.
3070011	DMED070011: The secure port number of other controller cannot be set up. Please confirm the controller number.
3070012	DMED070012: The process cannot be performed because the non-secure port and secure port are same port number. Please set the different port number.

Error Code	Description
3070013	DMED070013: The process cannot be performed because the non-secure port status is changed by the non-secure port. Please retry by the secure port.
3070014	DMED070014: The process cannot be performed because the port number and the non-secure port status are changed at the same time. Please confirm the operation and try again.
3070015	DMED070015: The process cannot be performed because the non-secure port status of other controller is changed. Please confirm the controller number.
3070016	DMED070016: The process cannot be performed because the specified port number is reserved. Please set the unreserved port number.
3070100	DMED070100: The process cannot be performed because the option which is unsupported in the single-controller system is installed. Please de-install the option and try again.
3080001	DMED080001: The data pool cannot be used. Restart the subsystem.
3080002	DMED080002: Processing is not possible because a logical unit is being restored. Wait for a while, and then retry.
3080003	DMED080003: Processing is not possible because a logical unit to be added to the data pool is not specified.
3080004	DMED080004: Processing is not possible because the same logical unit number has been specified more than twice. Confirm the logical unit number, and then retry.
3080005	DMED080005: The specified logical unit number is outside the valid range. Specify a logical unit number within the range, and then retry.
3080006	DMED080006: This process cannot be performed. The status of the specified logical unit must be in either normal or regressed state. Please verify the status of the logical unit and try again.
3080007	DMED080007: Processing is not possible because the RAID level or HDU combination of the specified logical unit is not supported. Confirm the currently supported RAID levels and the HDU combinations, and then retry.
3080008	DMED080008: Processing cannot be performed because the number of LUs in the data pool has reached the maximum. Delete some LUs from the data pool, and then try again.
3080009	DMED080009: Processing is not possible because the specified logical unit is a unified LU. Separate the unified LU, and then retry.
308000a	DMED08000A: Processing is not possible because the specified logical unit is a part of a ShadowImage pair. Cancel the ShadowImage pair, and then retry.
308000b	DMED08000B: The process cannot be performed because the specified logical unit is a part of Remote Replication pair. Cancel the Remote Replication pair and try again.
308000c	DMED08000C: Processing is not possible because the specified logical unit is a command device. Cancel the command device, and then retry.

Error Code	Description
308000d	DMED08000D: Processing is not possible because the specified logical unit has been invalidated. Restore the logical unit, and then retry.
308000e	DMED08000E: The process cannot be performed because the specified logical unit is a part of SnapShot pair or a SnapShot logical unit. Cancel the SnapShot pair or specify another logical unit and try again.
308000f	DMED08000F: The process cannot be performed because the specified logical unit is defined as a SnapShot logical unit. Specify another logical unit and try again.
3080010	DMED080010: Processing is not possible because the specified logical unit is added to a data pool. Specify another logical unit, and then retry.
3080012	DMED080012: Processing is not possible because the owner controller is different between the specified logical unit and the data pool. Confirm the logical unit owner controller, and then retry.
3080013	DMED080013: Processing is not possible because the specified logical unit has been receiving the Write command continuously from the hosts. Wait for a while, and then retry.
3080014	DMED080014: Processing is not possible because other logical unit is changing the Default Controller. Wait for a while, and then retry.
3080015	DMED080015: Processing is not possible because the specified logical unit is in the PIN exceeded state. Restore PIN data, and then retry.
3080016	DMED080016: Processing is not possible because the specified logical unit is not enough for sufficient cache blocks. Specify another logical unit, and then retry.
3080017	DMED080017: Processing is not possible because no logical unit exists in the data pool.
3080018	DMED080018: Processing is not possible because the COW Snapshot pair exists in the specified data pool. Cancel the COW Snapshot pair, and then try again.
3080019	DMED080019: Processing is not possible because the data pool to be deleted is not specified.
308001a	DMED08001A: Processing is not possible because the threshold of the usage rate in the data pool is not specified.
308001b	DMED08001B: The specified threshold is outside the valid range. Specify a value in the valid range, and then retry.
308001c	DMED08001C: Processing is not possible because the specified logical unit has capacity equal to or less than 2GB. Specify the logical unit with a capacity larger than 2GB, and then retry.
308001d	DMED08001D: The process cannot be performed because S-VOL mode of the specified logical unit is disabled. Set S-VOL mode to enable then try again.
308001e	DMED08001E: Processing is not possible because quick formatting is now running. Retry after the quick formatting is completed.
308001f	DMED08001F: The number of specified logical units is over 64. Specify 64 or fewer logical units.

Error Code	Description
3080020	DMED080020: Processing is not possible because the drive types of the specified logical unit and data pool are different. Check the drive types, and then retry.
3080021	DMED080021: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
3080022	DMED080022: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
3080023	DMED080023: The logical units Unit0 and Unit1, as well as those thereafter, cannot be mixed into the data pool.
3080024	DMED080024: Processing is not possible because a DM-LU is not defined. Define a DM-LU, and then try again.
3080025	DMED080025: Processing is not possible because the specified logical unit is reserved for cache partition modification. Specify another logical unit, and then try again.
3080026	DMED080026: The process cannot be performed because the number of logical units reached the system maximum. Please delete logical units in the data pool and try again.
3080027	DMED080027: The process cannot be performed because the number of logical units will reach the system maximum. Please delete logical units in the data pool and try again.
3080028	DMED080028: The logical unit in DP pool and a RAID group cannot be mixed to the same data pool. Please confirm the logical unit and then try again.
3080029	DMED080029: The process cannot be performed because state of the DP pool which contains the specified logical unit is Detached. Please recover and then try again.
308002a	DMED08002A: The process cannot be performed because the status of DP pool consumed capacity is capacity depleted. Please add DP pool capacity and then try again.
308002b	DMED08002B: The process cannot be performed because the DP pool is being deleted. Please retry after the process completes.
308002c	DMED08002C: The process cannot be performed because the DP pool is being created. Please retry after the process completes.
308002d	DMED08002D: The process cannot be performed because the DP pool capacity is being added. Please retry after the process completes.
308002e	DMED08002E: The process cannot be performed because the DP pool is being recovered. Please retry after the process completes.
3090001	DMED090001: The logical unit number of the specified P-VOL is outside the valid range. Specify a logical unit number within the effective range, and then retry.
3090003	DMED090003: The logical unit number of specified SnapShot logical unit is outside of the effective range. Specify the logical unit number of effective range and try again.
3090004	DMED090004: The process cannot be performed because the logical unit number of the SnapShot logical unit created or deleted is not specified.

Error Code	Description
3090005	DMED090005: The process cannot be performed because the same logical unit number has been specified as a SnapShot logical unit more than twice. Confirm the logical unit number and try again.
3090006	DMED090006: Processing is not possible because the specified logical unit of the P-VOL is neither in normal nor in regressed state. Specify a logical unit in the normal or regressed state, and then retry.
3090007	DMED090007: Processing is not possible because no logical unit exists in the data pool of the controller system of the specified P-VOL. Add a logical unit to the data pool, and then retry.
3090008	DMED090008: Processing is not possible because the RAID level of the specified P-VOL or HDU combination is not supported. Confirm the currently supported RAID levels and the HDU combinations, and then retry.
3090009	DMED090009: The process cannot be performed because the number of created SnapShot logical unit for the specified P-VOL has reached its maximum. Delete unnecessary SnapShot logical unit and try again.
309000a	DMED09000A: The logical unit number has already been defined. Specify a new number.
309000b	DMED09000B: Processing is not possible because the specified P-VOL is a unified LU. Separate the unified LU, and then retry.
309000c	DMED09000C: Processing is not possible because the specified P-VOL is a part of a ShadowImage pair. Cancel the ShadowImage pair, and then retry.
309000d	DMED09000D: The process cannot be performed because the specified P-VOL is a part of Remote Replication pair. Cancel the Remote Replication pair and try again.
309000e	DMED09000E: Processing is not possible because the specified P-VOL is part of a COW Snapshot pair. Cancel the COW Snapshot pair, and then try again.
309000f	DMED09000F: Processing is not possible because the specified P-VOL is a command device. Cancel the command device, and then retry.
3090010	DMED090010: Processing is not possible because the specified P-VOL is invalid. Restore the LU, and then retry.
3090011	DMED090011: Processing is not possible because the specified P-VOL has already been added to a data pool. Specify another LU number, and then retry.
3090012	DMED090012: Processing is not possible because the specified P-VOL cannot get sufficient cache capacity. Make sure there is enough cache capacity, and then retry.
3090013	DMED090013: Processing is not possible because the HDU combination of the specified P-VOL differs from registered logical units in the data pool. Confirm the HDU combination, and then retry.
3090014	DMED090014: Processing is not possible because the specified P-VOL has been receiving the Write command continuously from the hosts. Wait for a while, and then retry.

Error Code	Description
3090015	DMED090015: Processing is not possible because another logical unit is changing the Default Controller. Wait for a while, and then retry.
3090016	DMED090016: Processing is not possible because the specified P-VOL is in the PIN exceeded state. Restore the PIN data, and then retry.
3090017	DMED090017: Processing is not possible because the specified P-VOL is not defined. Specify a defined logical unit, and then retry.
3090018	DMED090018: The process cannot be performed because the specified SnapShot logical unit has been creating the pair. Cancel the SnapShot pair and try again.
3090019	DMED090019: Processing is not possible because P-VOL is being deleted. Wait for a while, and then retry.
309001a	DMED09001A: The process cannot be performed because the specified set of P-VOL and SnapShot logical unit is not a pair. Confirm the pair status and try again.
309001b	DMED09001B: Processing is not possible because the number of COW Snapshot pairs reached the maximum. Delete unnecessary COW Snapshot pairs, and then try again.
309001c	DMED09001C: Processing is not possible because the unified LU is composed of 17 or more sub logical units. Specify another logical unit, and then retry.
309001d	DMED09001D: Processing is not possible because the unified LU contains a sub logical unit with a size less than 1GB.
309001e	DMED09001E: Processing is not possible because the management area of the COW Snapshot is insufficient. Delete unnecessary COW Snapshot pair(s), and then try again.
309001f	DMED09001F: Processing is not possible because the drive types of the specified logical unit and V-VOL are different. Check the drive types, and then retry.
3090020	DMED090020: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
3090021	DMED090021: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
3090022	DMED090022: The process cannot be performed because the specified SnapShot logical unit is a part of Remote Replication pair. Cancel the Remote Replication pair and try again.
3090023	DMED090023: The process cannot be performed because the specified SnapShot logical unit is a part of Hi-Copy pair. Cancel the Hi-Copy pair and try again.
3090024	DMED090024: The process cannot be performed because the P-VOL of specified SnapShot logical unit is reserved for cache partition modification. Please retry after cache partition modification is completed.
3090025	DMED090025: The process cannot be performed because the specified V-VOL size will exceed the maximum of LU size. Confirm the specified V-VOL size.

Error Code	Description
3090026	DMED090026: The specified LU is not V-VOL. Specify the LU number of V-VOL and try again.
30a0001	DMED0A0001: Processing is not possible because the specified LU is invalid. Restore the LU, and then retry.
30a0002	DMED0A0002: Processing is not possible because the specified LU is a subLU of a unified LU. Separate the unified LU, and then retry.
30a0003	DMED0A0003: Processing is not possible because the specified LU is a S-VOL of ShadowImage. Specify another logical unit, and then retry.
30a0004	DMED0A0004: The process cannot be performed because the specified LU is S-VOL of Remote Replication. Specify another logical unit and try again.
30a0005	DMED0A0005: The process cannot be performed because the specified LU is SnapShot logical unit. Specify another logical unit and try again.
30a0006	DMED0A0006: Processing is not possible during the retention term. Wait for the retention term to expire, and then retry.
30a0007	DMED0A0007: Processing is not possible because ShadowImage is processing. Wait a moment, and then try again.
30a0008	DMED0A0008: Processing is not possible because COW Snapshot is processing. Wait a moment, and then try again.
30a0009	DMED0A0009: The retention term cannot be shortened. Specify the retention term is equal to or more than current value and try again.
30a000a	DMED0A000A: The permission cannot be changed to Read/Write because an expiration lock is enabled. Disable the expiration lock, and then retry.
30a000b	DMED0A000B: The process cannot be performed because the status of ShadowImage pair is not Simplex(SMPL) or Split(PSUS). Please retry after changing the status of pair.
30a000c	DMED0A000C: The process cannot be performed because the status of Remote Replication pair is not Simplex(SMPL) or Split(PSUS). Please retry after changing the status of pair.
30a000d	DMED0A000D: The process cannot be performed because the status of SnapShot pair is not Split(PSUS). Please retry after changing the status of pair.
30a000e	DMED0A000E: The process cannot be performed because the status of Remote Replication pair is not Simplex(SMPL) or Split(PSUS). Please retry after changing the status of pair.
30b0001	DMED0B0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again.
30c0001	DMED0C0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again.

Error Code	Description
30c0002	DMED0C0002: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again.
30c0003	DMED0C0003: Unification cannot be performed because the drive types are different. Check the drive types, and then retry.
30c0004	DMED0C0004: The logical units Unit0 and Unit1, as well as those thereafter, cannot be unified.
30c0005	DMED0C0005: Processing is not possible because the unified LUs reached the maximum.
30c0006	DMED0C0006: The unification cannot be performed because the cache partition is different. Confirm the cache partition of the specified logical unit.
30c0007	DMED0C0007: Processing cannot be performed because the specified LU is reserved for cache partition modification. Modify the cache partition, and then try again. Otherwise, specify a different LU.
30c0008	DMED0C0008: The total count of Main LU and Sub LU is over the maximum. Please specify 128 or fewer LUs.
30d0001	DMED0D0001: Processing cannot be executed because ReadOnly or Protect is specified for the access level. Change the setting to Read/Write, and then try again.
30d0002	DMED0D0002: Processing is not possible because the temporary key cannot be used for the next 180 days after the key is locked or expires.
30d0003	DMED0D0003: The specified function has already been unlocked.
30e0001	DMED0E0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again.
30e0002	DMED0E0002: The process cannot be performed because the unified LU which belongs to two or more RAID groups exists. Please separate the unified LU and try again.
30e0003	DMED0E0003: The process cannot be performed because the specified LU is a Sub LU. Specify a Main LU and try again.
30e0004	DMED0E0004: The process cannot be performed because the LUs number of the specified RAID group reach the maximum. Confirm the RAID group and try again.
30e0005	DMED0E0005: The process cannot be performed because the specified LU is DM-LU. Specify another LU and try again.
30e0006	DMED0E0006: The process cannot be performed because the specified LU is V-VOL of COW Snapshot. Specify the P-VOL and try again.
30e0007	DMED0E0007: The logical unit number for free area has already been used. Please specify unused logical unit number.
30e0008	DMED0E0008: The logical unit cannot be created. Please delete unnecessary logical units or specify automatically for free area and then try again.

Error Code	Description
30e0009	DMED0E0009: The logical unit of RAID0 cannot be created by multiple free areas. Please confirm the specified area and then try again.
30e000a	DMED0E000A: The free area does not exist. Please delete unnecessary logical units and then try again.
30e000b	DMED0E000B: The capacity of specified area is insufficient or the logical unit number to show the position of the free area is invalid. Please confirm the area and try again.
30e000c	DMED0E000C: The capacity of specified area is insufficient. Please confirm the capacity and then try again.
30e000d	DMED0E000D: The logical units are over maximum. Please confirm the specified capacity or area number or delete unnecessary logical units and then try again.
30e000e	DMED0E000E: The logical units of RAID group are over maximum. Please confirm the specified capacity or area number or delete unnecessary logical units and then try again.
30e000f	DMED0E000F: The specified area number is outside of the effective range. Please specify the area number within the range and try again.
30e0010	DMED0E0010: The specified area does not exist. Please confirm the area number and then try again.
30e0011	DMED0E0011: The logical unit number to show the position of the free area is outside of the effective range. Please specify the logical unit number within the range and then try again.
30e0012	DMED0E0012: The logical unit number to show the position of the free area is outside of the effective range. Please specify the logical unit number within the range and then try again.
30e0013	DMED0E0013: The logical unit number to show the position of the free area is not defined. Please specify a defined logical unit and then try again.
30e0014	DMED0E0014: The logical unit number to show the position of the free area is not defined. Please specify a defined logical unit and then try again.
30e0015	DMED0E0015: The logical unit number to show the position of the free area is not defined in specified RAID group. Please confirm the logical unit of specified RAID group and then try again.
30e0016	DMED0E0016: The logical unit number to show the position of the free area is not defined in specified RAID group. Please confirm the logical unit of specified RAID group and then try again.
30e0017	DMED0E0017: The logical unit number to show the position of the free area is invalid. Please confirm the logical unit and then try again.
30e0018	DMED0E0018: The specified area is overlapped. Please confirm the area and then try again.
30e0019	DMED0E0019: The unused area is specified. Please confirm the area and then try again.
30e001a	DMED0E001A: The unified LU reached the maximum. Please confirm the capacity or area number and then try again.

Error Code	Description
30e001b	DMED0E001B: The unified LU reached the maximum. Please confirm the capacity or area number and then try again.
30e001c	DMED0E001C: The RAID group is invalid. Please confirm the RAID group and then try again.
30e001d	DMED0E001D: The process cannot be performed because RAID level of specified logical unit is RAID0. Please specify another logical unit and then try again.
30e001e	DMED0E001E: The capacity of logical unit is over maximum. Please confirm the capacity and then try again.
30e001f	DMED0E001F: The specified capacity is invalid. Please confirm the capacity and then try again.
30e0020	DMED0E0020: The unified LU reached the maximum. Please confirm the capacity or area number and then try again.
30e0021	DMED0E0021: The capacity of specified area is insufficient. Please confirm the capacity and then try again.
30e0022	DMED0E0022: The capacity of specified area is insufficient. Please confirm the capacity and then try again.
30e0023	DMED0E0023: The quick format size is over maximum value. Please retry after that specified quick format size is decreased or current executed quick format is finished.
30e0024	DMED0E0024: The logical unit number is not defined. Please specify a defined logical unit and then try again.
30e0025	DMED0E0025: The capacity of specified area is insufficient. Please confirm the capacity and then try again.
30e0026	DMED0E0026: The specified capacity is over the logical unit capacity. Please confirm the capacity and then try again.
30e0027	DMED0E0027: The process cannot be performed because the specified logical unit is not normal state. Please recover the status and then try again.
30e0028	DMED0E0028: The process cannot be performed because the specified logical unit contains an un-mounted drive or a blocked drive. Confirm the drive status and try again.
30e0029	DMED0E0029: The process cannot be performed because the over provisioning threshold of the specified DP pool is equal to or more than the limit. Please add DP pool capacity and then try again.
30e002a	DMED0E002A: The process cannot be performed because the over provisioning threshold of the DP pool that has the specified logical unit is equal to or more than the limit. Please add DP pool capacity and then try again.
30e002b	DMED0E002B: The process cannot be performed because specified logical unit is mapped. Please delete mapping and then try again.
30e002c	DMED0E002C: The process cannot be performed because the specified capacity will exceed the available maximum capacity of the subsystem. Please specify the capacity within the range of the available maximum capacity of the subsystem and then try again.

Error Code	Description
30e002d	DMED0E002D: This process cannot be performed. The status of DM-LU must be in either normal or regressed state. Please recover the status of DM-LU and try again.
30e002e	DMED0E002E: The process cannot be performed because DM-LU is reserved for cache partition modification. Please retry after changing the cache partition.
30e002f	DMED0E002F: The capacity of DM-LU is insufficient. Please confirm the capacity and then try again.
30e0030	DMED0E0030: The process cannot be performed because the drive of RAID group to which DM-LU belongs contains an un-mounted drive or a blocked drive. Please retry after changing to normal state.
30e0031	DMED0E0031: The process cannot be performed because the over provisioning threshold of the DP pool to which the DM-LU is equal to or more than the limit. Please add DP pool capacity and then try again.
30e0032	DMED0E0032: The process cannot be performed because the capacity of DP pool to which the DM-LU belongs is insufficient. Please grow the capacity of DP pool and try again.
30f0001	DMED0F0001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again.
30f0002	DMED0F0002: The processing cannot be performed because the drives of Unit0, Unit1 and units thereafter are contained within the range of the specified RAID group.
30f0003	DMED0F0003: The processing cannot be performed because a non-supported drive in this subsystem is contained within the range of the specified RAID group.
30f0004	DMED0F0004: The specified function cannot be used because the function is locked, disabled or not installed.
30f0005	DMED0F0005: Processing is not possible because the number of drives is invalid. Confirm the mounted drive, and then try again.
30f0007	DMED0F0007: The number of defined RAID groups reached the maximum. Delete unnecessary RAID groups, and then try again.
3100001	DMED100001: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again.
3100002	DMED100002: Processing is not possible because the RAID level of the specified logical unit is not supported. Confirm the RAID levels currently supported, and then retry.
3100003	DMED100003: Processing is not possible because the specified logical unit is a unified LU. Separate the unified LU, and then retry, or execute online/offline formatting.
3100004	DMED100004: Processing is not possible because the specified logical unit is extended and not formatted. Execute online/offline formatting.

Error Code	Description
3100005	DMED100005: The quick format size is over maximum value. Please retry after that specified quick format size is decreased or current executed quick format is finished.
3100006	DMED100006: Processing is not possible because the specified logical unit contains an unmounted drive or a blocked drive. Check the drive status, and then retry.
3100007	DMED100007: Format of the logical unit cannot be performed under the Drive Detach Mode. Please turn off the Drive Detach Mode of system parameter.
3100008	DMED100008: The process cannot be performed because the specified logical unit is not formatted and set the access level other than S-VOL mode. Please change the attribute to Read/Write and try again.
3100009	DMED100009: The process cannot be performed because the specified logical unit which belongs to the RAID group is illegal. Please recover the status of RAID group and try again.
310000a	DMED10000A: The process cannot be performed because the specified logical unit which belongs to the RAID group is illegal. Please recover the status of RAID group and try again.
3110001	DMED110001: The mapping mode cannot be changed because a mapping-guarded LU exists.
3110002	DMED110002: The mapping cannot be changed because a mapping-guarded LU exists.
3110003	DMED110003: The specified logical unit is not defined. Please specify a defined logical unit.
3120001	DMED120001: The specified drive cannot be defined as a spare drive because it is not supported in this subsystem.
3130001	DMED130001: The processing cannot be performed because the specified remote path is not set up.
3130002	DMED130002: Processing cannot be performed because the specified port is an iSCSI port. Check the port type, and then try again.
3130003	DMED130003: Processing cannot be performed because the ports for path0 and path1 are set to the same controller. Please set one of the ports to a different controller, and then try again.
3130004	DMED130004: Processing cannot be executed because the specified timeout value is outside the valid range. Revise the value, and then try again.
3130005	DMED130005: The process cannot be performed because the specified bandwidth is outside the effective range. Please confirm the bandwidth and try again.
3130006	DMED130006: The process cannot be performed because the path status is normal. Please confirm the status of path.
3130007	DMED130007: The process cannot be performed because the path does not exist. Please setting the path and try again.

Error Code	Description
3130008	DMED130008: The process cannot be performed because the path reconstruction is in progress. Please confirm the status of path and try again.
3130009	DMED130009: The process cannot be performed because the path reconstruction is in progress. Please confirm the status of path and try again.
313000a	DMED13000A: The process cannot be performed because the specified port number is outside the effective range. Please confirm the port number.
313000b	DMED13000B: The process cannot be performed because the status of IPv6 address setting is illegal. Please confirm the IP address and try again.
3130010	DMED130010: The process cannot be performed because the controller is detached. Please recover the controller status and then try again.
3130011	DMED130011: The process cannot be performed because the path does not exist. Please setting the path and try again.
3130012	DMED130012: The process cannot be performed because the path does not exist. Please setting the path and try again.
3130013	DMED130013: The process cannot be performed because the controller is detached. Please recover the controller status and then try again.
3130014	DMED130014: The process cannot be performed because port are physically unequipped. Please confirm the port type and the subsystem status, and try again.
3130015	DMED130015: The process cannot be performed because the specified path is already defined. Please confirm the status of path and try again.
3130016	DMED130016: The process cannot be performed because the Hosts is logging out. Please wait a moment and try again.
3130017	DMED130017: The same array ID as a self subsystem is specified. Please specify the array ID of connected subsystem.
3130018	DMED130018: The process cannot be performed because the fibre channel port is not equipped. Please confirm the port type and try again.
3130019	DMED130019: The process cannot be performed because Remote Replication pair of Synchronizing or Paired exists. Please confirm the status of pair and try again.
313001a	DMED13001A: The process cannot be performed because iSCSI port is physically unequipped. Please confirm the port type and try again.
313001b	DMED13001B: The process cannot be performed because Distributed Mode is Hub. Please change Distributed Mode to Edge and try again.
313001c	DMED13001C: The process cannot be performed because the remote path or remote port CHAP information (Target information) is defined. Please change Distributed Mode to Hub and try again.
313001d	DMED13001D: The specified array ID is already set. Please specify another array ID.

Error Code	Description
313001e	DMED13001E: The number of defined remote port CHAP information (Target information) reached the maximum. Please delete unnecessary remote port CHAP information (Target information) and try again.
313001f	DMED13001F: The number of defined remote path reached the maximum. Please delete unnecessary remote path and try again.
3130020	DMED130020: The specified remote path name is already registered. Please specify another remote path name and then try again.
3130021	DMED130021: The specified remote array ID cannot be set because Distributed Mode is Hub. Please change Distributed Mode to Edge, or specify array ID of remote subsystem that Distributed mode is Edge and try again.
3130022	DMED130022: The specified array ID does not exist. Please specify a right array ID.
3130023	DMED130023: The process cannot be performed because Distributed Mode is not supported. Please confirm the subsystem and try again.
3130024	DMED130024: The process cannot be performed because the remote path to two or more are defined. Please delete unnecessary remote path and try again.
3130025	DMED130025: The process cannot be performed because the remote port CHAP information (Target information) to two or more is defined. Please delete unnecessary remote port CHAP information (Target information) and try again.
3130026	DMED130026: The process cannot be performed because the Remote Replication pair exists to two or more subsystems. Please cancel the Remote Replication pair and try again.
3130027	DMED130027: The process cannot be performed because the remote path is defined on the subsystem whose Distributed Mode is not supported. Please delete unnecessary remote path and try again.
3130028	DMED130028: The process cannot be performed because the remote port CHAP information (Target information) is defined on the subsystem whose Distributed Mode is not supported. Please delete unnecessary remote port CHAP information (Target information) and try again.
3130029	DMED130029: The process cannot be performed because Remote Replication pair exists on the subsystem whose Distributed Mode is not supported. Please cancel unnecessary Remote Replication pair and try again.
313002a	DMED13002A: The process cannot be performed because the remote path is defined. Please delete remote path and try again.
313002b	DMED13002B: The process cannot be performed because the remote port CHAP information (Target information) is defined. Please delete unnecessary remote port CHAP information (Target information) and try again.
313002c	DMED13002C: The process cannot be performed because Distributed Mode is Hub. Please change Distributed Mode to Edge and try again.
313002d	DMED13002D: The specified serial number is incorrect. Please specify a right serial number.

Error Code	Description
313002e	DMED13002E: The process cannot be performed because the specified array is not supported the Remote Replication connecting of iSCSI interface. Please specify the Fibre interface or confirm the array and try again.
313002f	DMED13002F: The process cannot be performed because the defined port to the path is unequipped or unsupported. Please confirm the port status.
3130030	DMED130030: The process cannot be performed because the specified subsystem by array ID is not supported Remote Replication. Please confirm the array ID and try again.
3130031	DMED130031: The process cannot be performed because the specified subsystem by array ID is not supported Remote Replication. Please confirm the array ID and try again.
3130032	DMED130032: The process cannot be performed because the specified array is not supported the Remote Replication connecting of Fibre interface. Please specify the iSCSI interface or confirm the array and try again.
3140001	DMED140001: Processing is not possible because the term of the temporary key or emergency key has expired.
3140002	DMED140002: Processing is not possible because the DM-LU has already been set. Cancel the DM-LU, and then try again.
3140003	DMED140003: The process cannot be performed because the specified operation mode is outside the effective range or two or more operation is specified at the same time. Please confirm the operation mode and try again.
3140004	DMED140004: The process cannot be performed because DC power supply is physically unequipped. Please confirm the subsystem status and try again.
3140005	DMED140005: The function cannot be executed for this subsystem. Please confirm the version of the subsystem or the navigator.
3140006	DMED140006: The process cannot be performed because cache memory size is insufficient. Please increase a larger cache memory and then try again.
3140007	DMED140007: The specified value is outside the effective range. Please specify the value in the effective range and try again.
3140008	DMED140008: The process cannot be performed because the logical unit is in progress. Please wait a moment and then try again.
3140009	DMED140009: The process cannot be performed because the specified drive is un-mounted. Please confirm the drive status and try again.
314000a	DMED14000A: The process cannot be performed because the specified logical unit is DM-LU. Please execute to add the capacity of DM-LU.
314000b	DMED14000B: The process cannot be performed because subsystem is in progress. Please wait a moment and then try again.
3140010	DMED140010: The process cannot be performed because the specified drive is un-mounted. Please confirm the drive status and try again.

Error Code	Description
3140011	DMED140011: The process cannot be performed because the specified unit is un-mounted. Please confirm the unit number and then try again.
3150001	DMED150001: Processing is not possible because the cache partition is not in the initial status. Change the cache partition to the initial status, and then try again.
3150004	DMED150004: Processing is not possible because the cache partition is less than the minimum size. Confirm the cache partition size, and then try again.
3150005	DMED150005: Processing is not possible because the PIN has overflowed. Restore the PIN data, and then try again.
3150006	DMED150006: The segment size of the cache partition (0 or 1) cannot be changed.
3150007	DMED150007: The process cannot be performed because ShadowImage is in use. Cancel the ShadowImage pair and try again.
3150009	DMED150009: The process cannot be performed because COW Snapshot is in use. Cancel the COW Snapshot pair and try again.
315000b	DMED15000B: Processing cannot be performed because a segment that is write-incomplete exists. Perform a recovery, and then try again.
315000c	DMED15000C: The function cannot be executed because a cache resident LU or a reserved one exists. Disable the LU, and then try again.
315000d	DMED15000D: The specified segment size is invalid. Confirm the segment size, and then try again.
315000e	DMED15000E: Processing is not possible because the LU is being switched. Wait a moment, and then try again.
315000f	DMED15000F: The specified cache partition number is invalid. Confirm the cache partition number, and then try again.
3150010	DMED150010: The controller of the current cache partition cannot be changed. Delete the cache partition, and set up again.
3150011	DMED150011: Processing is not possible because the total size of the cache partition exceeds the cache capacity. Confirm the cache partition size, and then try again.
3150012	DMED150012: A cache partition for which a LU is set up, or a cache partition of 0 or 1 cannot be deleted. Confirm the cache partition number.
3150013	DMED150013: Processing is not possible because the specified cache partition is not defined. Specify a defined cache partition, and then try again.
3150014	DMED150014: Processing cannot be performed because the stripe size is not a 64 KB LU. Delete the corresponding LU, and then try again.
3150015	DMED150015: The process cannot be performed because the specified logical unit is a part of Remote Replication pair. Please cancel the Remote Replication pair and try again.
3150016	DMED150016: The process cannot be performed because the total cache partition capacity using the segment size of 4KB or 8KB is over the

Error Code	Description
	system limit. Please confirm the cache partition size or the segment size and try again.
3160002	DMED160002: Processing is not possible because the specified logical unit is a sub LU of the unified LUs. Separate the unified LUs, and then try again.
3160011	DMED160011: The logical unit cannot be allocated to the specified cache partition. Specify another cache partition number, and then try again.
3160012	DMED160012: Processing is not possible because the Cache Partition Manager is locked, disabled, or not installed.
3160013	DMED160013: The process cannot be performed because the specified logical unit is SnapShot logical unit. Please specify another logical unit number and try again.
3160014	DMED160014: Processing cannot be performed because the specified cache partition is undefined. Check the cache partition, and then try again.
3160015	DMED160015: Processing cannot be performed because Cache Partition Manager is locked or disabled. Enable Cache Partition Manager, and then try again.
3160016	DMED160016: Processing cannot be performed because the specified cache partition is undefined. Check the cache partition, and then try again.
3160017	DMED160017: Processing cannot be performed because the specified cache partition has been set to another controller. Check the cache partition, and then try again.
3160018	DMED160018: Processing cannot be performed because the combination of stripe size and segment size is not applicable. Check the stripe size or the cache partition, and then try again.
3160019	DMED160019: Processing cannot be performed because the size of the specified cache partition is insufficient. Check the cache partition, and then try again.
316001e	DMED16001E: Processing cannot be performed because the pair cache partition and the cache partition are set to the same controller. Check the cache partition, and then try again.
316001f	DMED16001F: Processing cannot be performed because the segment sizes are different. Check the segment size of the cache partition, and then try again.
3160020	DMED160020: Processing cannot be performed because the size of the specified cache partition is insufficient. Check the cache partition, and then try again.
3160021	DMED160021: Processing cannot be performed because the LU is being switched. Wait a while, and then try again.
3160022	DMED160022: Processing cannot be performed because PIN data exists. Restore the PIN data, and then try again.
3160023	DMED160023: The process cannot be performed because the specified logical unit is not a DM-LU. Please specify the DM-LU and try again.

Error Code	Description
3160024	DMED160024: The process cannot be performed because the capacity of DM-LU will exceed the maximum. Please confirm the capacity and try again.
3160025	DMED160025: The process cannot be performed because the specified capacity is not 1GB unit. Please specify the capacity of 1GB unit and try again.
3160026	DMED160026: The process cannot be performed because RAID group of RAID0 is specified. Please specify RAID group which the RAID level is not RAID0 and try again.
3160027	DMED160027: The process cannot be performed because the HDU combination of the specified RAID group differs from RAID group to which DM-LU belongs. Please confirm the RAID group and try again.
3160028	DMED160028: The process cannot be performed because the drive type of the specified RAID group differs from RAID group to which DM-LU belongs. Please confirm the RAID group and try again.
3160029	DMED160029: The process cannot be performed because the continued free area for addition capacity does not exist in the RAID group. Please confirm the free area and try again.
3170001	DMED170001: Processing is not possible because the specified logical unit is less than 5 GB. Specify a logical unit equal to or more than 5 GB, and then try again.
3170002	DMED170002: Processing is not possible because the specified logical unit is RAID level 0. Specify another logical unit, and then try again.
3170003	DMED170003: This process cannot be performed. The status of the specified logical unit must be in either normal or regressed state. Please verify the status of the logical unit and try again.
3170004	DMED170004: Processing is not possible because the specified logical unit is a unified LU. Separate the unified LU, and then try again.
3170005	DMED170005: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
3170006	DMED170006: Processing is not possible because the specified logical unit is a command device. Cancel the command device, and then try again.
3170007	DMED170007: The process cannot be performed because the specified LU is capacity less than 10GB. Specify the LU is equal to or more than 10GB and try again.
3170008	DMED170008: The process cannot be performed because the capacity of DP pool is insufficient. If it is temporarily insufficient, please wait a moment and then try again. If you cannot set up again, please grow the capacity of DP pool.
3170009	DMED170009: The process cannot be set to DM-LU because specified logical unit is mapped. Please delete mapping and then try again.
317000a	DMED17000A: The process cannot be performed because the specified logical unit is neither in normal, regressed nor unformatted state. Please recover the status of logical unit and try again.

Error Code	Description
317000b	DMED17000B: The process cannot be performed because the stripe size of specified logical unit is not 64KB or 256KB. Please confirm the stripe size and try again.
317000c	DMED17000C: The process cannot be performed because the data drive count of HDU combination is more than 17, when the stripe size of specified logical unit is 256KB and the RAID level which belongs to the RAID group is RAID6. Please specify another logical unit and try again.
317000d	DMED17000D: The process cannot be performed because the specified capacity is outside the effective range. Please confirm the capacity and try again.
317000e	DMED17000E: The process cannot be performed because the capacity of specified logical unit is not 1GB unit. Please confirm the capacity of logical unit and try again.
317000f	DMED17000F: The process cannot be performed because the logical unit contains a sub logical unit whose capacity is less than 1GB. Please specify another logical unit and try again.
3180001	DMED180001: The specified LU cannot be set as a cache resident LU because the cache partition is not 0 or 1. Try again after changing the cache partition to 0 or 1, or specify a LU with a cache partition of 0 or 1.
3190001	DMED190001: An invalid IP address was specified. Specify a correct IP address.
3190002	DMED190002: The same IP address as that for the management port cannot be set. Specify a correct IP address.
3190003	DMED190003: Processing cannot be performed because the NNC or array device is processing. Wait a while, and then try again.
3190004	DMED190004: The same IP address as that for the maintenance port cannot be set. Specify a correct IP address.
3190005	DMED190005: Processing could not be performed because the controller is blocked. Recover the controller status, and then try again.
3190006	DMED190006: The process cannot be performed because NNC or subsystem is in progress. Please wait a moment and then try again.
3190007	DMED190007: Processing cannot be performed because the array device is processing. Wait a while, and then try again.
3190008	DMED190008: The same IP address as the NNC management port cannot be set. Specify a valid IP address.
3190009	DMED190009: The maintenance port cannot be changed automatically because the specified network address was the same as the maintenance port while the NNC was connected. Please make sure the specified network address is correct, and then try again.
319000b	DMED19000B: The specified host address of the maintenance port is incorrect. Please specify a correct IP address.
319000c	DMED19000C: Processing cannot be performed because the subnet mask set for the management port is incorrect. Please set up a correct subnet mask, and then try again.

Error Code	Description
319000d	DMED19000D: Processing cannot be performed because the default gateway set for the management port is incorrect. Please set up the correct default gateway, and then try again.
319000e	DMED19000E: Automatic changing of the DHCP and the maintenance port cannot be specified at the same time. Please make sure the settings are correct, and then try again.
319000f	DMED19000F: The specified host address of the management port is incorrect. Please specify a correct IP address.
3190010	DMED190010: Processing cannot be performed because the segments for the management LAN and the default gateway are different. Please specify a correct IP address.
3190011	DMED190011: The process cannot be performed because the maintenance LAN automatic change mode is enabled. Set this mode to disable, and then retry the operation.
3190012	DMED190012: The process cannot be performed because subsystem is in progress. Wait a moment and then try again.
3190013	DMED190013: The specified IP address is incorrect. Specify a correct IP address.
31a0001	DMED1A0001: Processing cannot be performed because the NNC is not connected. Connect the NNC, and then try again.
31a0002	DMED1A0002: The specified logical unit is undefined. Specify a defined logical unit.
31a0003	DMED1A0003: Processing cannot be performed because the specified LU is less than the minimum size required for the system LU. Check the LU size, and then try again.
31a0004	DMED1A0004: Processing cannot be performed because the specified logical unit is already assigned. Specify a logical unit that is not assigned, and then retry the operation.
31a0005	DMED1A0005: logical unit is an S-VOL of ShadowImage. Specify another logical unit, and then try again.
31a0006	DMED1A0006: The process cannot be performed because the specified logical unit is S-VOL of Remote Replication. Please specify another logical unit and try again.
31a0007	DMED1A0007: The process cannot be performed because the specified logical unit is defined as a SnapShot logical unit. Please specify another logical unit and try again.
31a0008	DMED1A0008: Processing cannot be performed because the specified logical unit has been added to a data pool. Specify another logical unit, and then try again.
31a0009	DMED1A0009: Processing cannot be performed because the specified logical unit is the sub LU of an integrated LU. Specify another logical unit, and then try again.
31a000a	DMED1A000A: Processing cannot be performed because the specified logical unit is the mapping guard LU. Specify another logical unit, and then retry the operation.

Error Code	Description
31a000b	DMED1A000B: Processing cannot be performed because the specified logical unit is a command device. Specify another logical unit, and then try again.
31a000c	DMED1A000C: The specified logical unit has not been set as a command device. Specify a logical unit that has already been set as a command device.
31a000d	DMED1A000D: Processing cannot be performed because the NAS OS is operating. Check the NAS OS status, and then try again.
31a000e	DMED1A000E: Processing cannot be performed because the specified logical unit has been set to DM-LU. Specify another logical unit, and then try again.
31a000f	DMED1A000F: Processing cannot be executed according to the current access level. Change the setting to Read/Write, and then enable the S-VOL mode. If the mode has already been set, unlock it by using RAID Manager, and then try again.
31a0010	DMED1A0010: Processing cannot be performed because all ports are being used by NAS. Check the port type.
31a0020	DMED1A0020: Processing cannot be performed because a system LU still exists.
31a0021	DMED1A0021: Processing cannot be performed because a user LU exists.
31a0022	DMED1A0022: Processing cannot be performed because the specified LU is a system LU. Release the system LU, and then try again.
31a0023	DMED1A0023: Processing cannot be performed because the specified LU is a user LU. Specify a different LU, and then try again.
31a0024	DMED1A0024: Processing cannot be performed because the NAS OS is operating. Check the NAS OS status, and then try again.
31a0025	DMED1A0025: Processing cannot be performed because the NAS OS is operating. Check the NAS OS status, and then try again.
31a0026	DMED1A0026: The specified port is being used by NAS. Specify another port.
31a0027	DMED1A0027: Integration cannot be performed because the stripe sizes are different. Check the stripe size of the LU, and then try again.
31a0028	DMED1A0028: Processing cannot be performed because the specified LU is a snapshot P-VOL or V-VOL. Specify a different LU, and then try again.
31a0029	DMED1A0029: The process cannot be performed because the access level is set up. Change the attribute to Read/Write. When the mode is set up, please reset the mode using RAID Manager. And try again.
31a002a	DMED1A002A: The process cannot be performed because the specified LU is being used in a ShadowImage pair with more than 2 S-VOLs. Delete all but one S-VOL to make a one-to-one pair, or cancel the pair and then retry the operation.
31a0030	DMED1A0030: A secondary command device cannot be set for NNCtype1.
31a0031	DMED1A0031: Work to be stored as dump edit results cannot be set for NNCtype2.

Error Code	Description
31a0032	DMED1A0032: A secondary command device cannot be set because a primary command device has not been set. Set the primary command device, and then try again.
31a0033	DMED1A0033: Command device mapping cannot be released because a secondary command device has been set. Release the secondary command device, and then try again.
31a0034	DMED1A0034: The processing cannot be performed because the equipped NNC is unknown or because there are multiple NNCs.
31a0070	DMED1A0070: The backup operation cannot be performed because the NNC is NNCtype2.
31a0071	DMED1A0071: The backup operation cannot be performed because the NAS OS is not installed. Install the NAS OS, and then try again.
31a0072	DMED1A0072: The backup, restore, or clear operation cannot be performed because the controller is blocked. Restore the controller status, and then try again.
31a0073	DMED1A0073: The backup operation cannot be performed because the NNC has not stopped. Stop the NNC, and then try again.
31a0074	DMED1A0074: The clear operation cannot be performed because the NNC is NNCtype1.
31a0075	DMED1A0075: The restore operation cannot be performed because the system LU has not been backed up.
31a0076	DMED1A0076: The restore operation cannot be performed because the NNC has not been stopped or blocked.
31a0077	DMED1A0077: The clear operation cannot be performed because the system LU has not been backed up.
31b0001	DMED1B0001: An invalid IP address has been specified. Specify a valid IP address.
31b0002	DMED1B0002: The IP address cannot be changed to the specified IP address. Specify a valid IP address.
31b0003	DMED1B0003: Processing cannot be performed because the array device is currently processing. Wait a while, and then try again.
31b0004	DMED1B0004: Processing cannot be performed because the controller is blocked. Recover the controller status, and then try again.
31b0005	DMED1B0005: The specified operation cannot be performed because the DHCP is enabled. Disable the DHCP, and then try again.
31b0006	DMED1B0006: Processing cannot be performed because the maintenance port is being set. Wait a while, and then try again.
31b0008	DMED1B0008: The process cannot be performed because the DHCP is enabled. Disable the DHCP, and then retry the operation.
31b0009	DMED1B0009: The process cannot be performed because NNC is installed. Confirm the port type, and then retry the operation.
31b000a	DMED1B000A: The process cannot be performed because the same address is specified as the maintenance LAN and the management LAN. Specify separate addresses, and then retry the operation.

Error Code	Description
31c0001	DMED1C0001: Processing cannot be performed because the iSCSI port is not physically installed. Check the port type, and then try again.
31c0002	DMED1C0002: Processing cannot be performed because the authentication method has not been specified. Specify the authentication method, and then try again.
31c0003	DMED1C0003: Processing cannot be performed because the alias format is invalid. Check the alias, and then try again.
31c0004	DMED1C0004: Processing cannot be performed because the same alias already exists in the port. Check the alias, and then try again.
31c0005	DMED1C0005: Processing cannot be performed because the format for the iSCSI name is invalid. Check the iSCSI name, and then try again.
31c0006	DMED1C0006: Processing cannot be performed because the same iSCSI name already exists in the port. Check the iSCSI name, and then try again.
31c0007	DMED1C0007: Processing cannot be performed because the specified target is undefined. Check the target, and then try again.
31c0008	DMED1C0008: Processing cannot be performed because the format for the name is invalid. Check the name, and then try again.
31c0009	DMED1C0009: Processing cannot be performed because the same name already exists in the port. Check the name, and then try again.
31c000a	DMED1C000A: Processing cannot be performed because the format for the iSCSI name is invalid. Check the iSCSI name, and then try again.
31c000b	DMED1C000B: Processing cannot be performed because the same iSCSI name already exists in the port. Check the iSCSI name, and then try again.
31c000c	DMED1C000C: Processing cannot be performed because the valid period for the temporary key or emergency key has expired.
31c000d	DMED1C000D: Processing cannot be performed because an invalid character has been specified. Check the user name, and then try again.
31c000e	DMED1C000E: Processing cannot be performed because an invalid character has been specified. Check the secret, and then try again.
31c000f	DMED1C000F: Processing cannot be performed because the number of characters specified for the user name is outside the valid range. Check the user name, and then try again.
31c0010	DMED1C0010: Processing cannot be performed because the number of characters specified for the secret is outside the valid range. Specify the secret using 12 to 32 characters, and then try again.
31c0011	DMED1C0011: Processing cannot be performed because an invalid IP address has been specified. Specify a valid IP address.
31c0012	DMED1C0012: Processing cannot be performed because an invalid port number has been specified. Specify a valid port number.
31c0013	DMED1C0013: Processing cannot be performed because the KeepAliveTimer value is outside the valid range. Specify a value from 30 to 64800 for the KeepAliveTimer value, and then try again.

Error Code	Description
31c0014	DMED1C0014: Processing cannot be performed because the port number is invalid. Specify a valid port number.
31c0015	DMED1C0015: Processing cannot be performed because the array device is currently processing. Wait a while, and then try again.
31c0017	DMED1C0017: Processing cannot be performed because the number of characters specified for the iSCSI name is outside the valid range. Check the iSCSI name, and then try again.
31c0018	DMED1C0018: Processing cannot be performed because an invalid character has been specified. Check the iSCSI name, and then try again.
31c0019	DMED1C0019: Processing cannot be performed because the number of characters specified for the iSCSI name is outside the valid range. Check the iSCSI name, and then try again.
31c001a	DMED1C001A: The process cannot be performed because the invalid character is specified. Confirm iSCSI Name and try again.
31c001b	DMED1C001B: Processing cannot be performed because the controller is blocked. Recover the controller status, and then try again.
31c001c	DMED1C001C: Processing cannot be performed because an invalid IP address has been specified. Specify a valid IP address.
31c001d	DMED1C001D: Processing cannot be performed because a ping command is currently executing. Wait for it to finish, and then try again.
31c001e	DMED1C001E: Processing cannot be performed because the an invalid CHAP algorithm has been specified. Specify a valid CHAP algorithm, and then try again.
31c001f	DMED1C001F: Processing cannot be performed because the number of characters specified for the secret is outside the valid range. Specify the secret using 12 to 32 characters, and then try again.
31c0020	DMED1C0020: Processing cannot be performed because an invalid character has been specified. Check the secret, and then try again.
31c0021	DMED1C0021: Processing cannot be performed because an invalid character has been specified. Check the user name, and then try again.
31c0022	DMED1C0022: Processing cannot be performed because the same user name already exists in the port. Check the user name, and then try again.
31c0023	DMED1C0023: Processing cannot be performed because the LUN manager is locked or disabled. Enable the LUN manager, and then try again.
31c0024	DMED1C0024: Processing cannot be performed because the target security is disabled. Enable the target security, and then try again.
31c0025	DMED1C0025: Processing cannot be performed because the number of characters specified for the alias is outside the valid range. Check the alias, and then try again.
31c0026	DMED1C0026: Processing cannot be performed because an invalid character has been specified. Check the alias, and then try again.

Error Code	Description
31c0027	DMED1C0027: Processing cannot be performed because the number of characters specified for the name is outside the valid range. Check the name, and then try again.
31c0028	DMED1C0028: Processing cannot be performed because an invalid character has been specified. Check the name, and then try again.
31c0029	DMED1C0029: Processing cannot be performed because the same user name already exists in the port. Check the user name, and then try again.
31c002a	DMED1C002A: Processing cannot be performed because the specified target is undefined. Check the target, and then try again.
31c002b	DMED1C002B: Processing cannot be performed because the target security is disabled. Enable the target security, and then try again.
31c003a	DMED1C003A: Processing cannot be performed because the target security is disabled. Enable the target security, and then try again.
31c003b	DMED1C003B: Processing cannot be performed because the specified alias is the default name for Target0. Check the alias, and then try again.
31c003c	DMED1C003C: Processing cannot be performed because the specified iSCSI name is the default name for Target 0. Check the iSCSI name, and then try again.
31c003d	DMED1C003D: Processing cannot be performed because the same alias already exists in the port. Check the alias, and then try again.
31c003e	DMED1C003E: Processing cannot be performed because the same iSCSI name already exists in the port. Check the iSCSI name, and then try again.
31c003f	DMED1C003F: Processing cannot be performed because the same user name already exists in the port. Check the user name, and then try again.
31c0040	DMED1C0040: The process cannot be performed because the specified host group or target is outside the valid range. Confirm the host group or target, and then retry the operation.
31c0041	DMED1C0041: The information cannot be acquired because the iSCSI port is not connected. Connect the port, and then try again.
31c0042	DMED1C0042: The specified MTU is incorrect. Please specify a correct MTU.
31c0043	DMED1C0043: The process cannot be performed because the specified MTU value is not set to equipped interface board. Please confirm the MTU value.
31c0044	DMED1C0044: The process cannot be performed during the remote path set of IPv6. Please delete the remote path and try again.
31c0045	DMED1C0045: The process cannot be performed during the iSNS information set of IPv6. Please set the iSNS server unused and try again.
31c0046	DMED1C0046: The process cannot be performed because the IPv6 status is disabled. Please set the IPv6 status to enable and try again.

Error Code	Description
31c0047	DMED1C0047: The process cannot be performed because the IPv6 status is disabled. Please set the IPv6 status to enable and try again.
31c0048	DMED1C0048: The process cannot be performed because either the address of link local IP address or global IP address or default gateway are same in same port. Please specify the different address.
31c0049	DMED1C0049: The process cannot be performed because the link local IP address which cannot be set up is specified. Please confirm the operation and try again.
31c0050	DMED1C0050: The process cannot be performed because the Digest is not set to equipped interface board. Please confirm the interface board type.
31c0051	DMED1C0051: The process cannot be performed because the Delayed Ack is not set to equipped interface board. Please confirm the interface board type.
31d0001	DMED1D0001: Processing cannot be performed during the SNMP is being changed. Wait a while, and then try again.
31e0001	DMED1E0001: Processing cannot be performed because the specified cycle time is outside the valid range. Please specify a time from 30 to 3600, and then try again.
31e0002	DMED1E0002: The setting cannot be performed because the specified cycle time is less than the minimum value. Please make sure the cycle time is correct, and then try again.
31e0003	DMED1E0003: The process cannot be performed because the specified Queuing Inhibition Time is outside the effective range. Please confirm the Queuing Inhibition Time and try again.
31e0004	DMED1E0004: The process cannot be performed because the specified function is not supported on this subsystem. Please confirm the subsystem and try again.
31e0010	DMED1E0010: The process cannot be performed because the Remote Replication pair exists. Please cancel the Remote Replication pair and try again.
31e0011	DMED1E0011: The process cannot be performed during the Remote Replication pair deleting. Please wait a moment and then try again.
31e0012	DMED1E0012: The process cannot be performed because the specified logical unit is a part of Remote Replication pair. Please specify another logical unit and try again.
31e0013	DMED1E0013: The process cannot be performed because the de-allocation of cache blocks for a COW Snapshot is in progress. Wait a while, and then retry the operation.
31e0014	DMED1E0014: The process cannot be performed because the subsystem is not restarted after Remote Replication is installed. Please restart the subsystem and then try again.
31e0015	DMED1E0015: The process cannot be performed because the subsystem is not restarted after Remote Replication or SnapShot is installed. Please restart the subsystem and then try again.

Error Code	Description
31e0016	DMED1E0016: The process cannot be performed because the subsystem is not restarted after Remote Replication or SnapShot is de-installed. Please restart the subsystem and then try again.
31e0017	DMED1E0017: The process cannot be performed because the status of Remote Replication pair is improper. Please confirm the status of pair and try again.
31e0018	DMED1E0018: Remote Replication or SnapShot is installed or enabled.
31f0001	DMED1F0001: The Spare Drive Operation Mode is set the fixed and the Applying No Copy Back Mode on All the Units is set to enable cannot be specified at a time. Please confirm the operation and try again.
31f0002	DMED1F0002: The process cannot be performed because the Spare Drive Operation Mode is set the fixed. Please confirm the operation and then try again.
31f0010	DMED1F0010: Processing failed due to an invalid parameter. Check and, if necessary, revise the specified value.
31f0011	DMED1F0011: Processing cannot be performed because the specified IP address is invalid. Check and, if necessary, revise the IP address, and then try again.
31f0012	DMED1F0012: Processing cannot be performed because the same IP address is specified for Syslog Server 1 and Syslog Server 2. Check and, if necessary, revise the IP addresses, and then try again.
31f0013	DMED1F0013: Processing failed due to an invalid parameter. Check and, if necessary, revise the specified value.
31f0014	DMED1F0014: Processing cannot be performed because the internal log is disabled. Enable the internal log, and then try again.
31f0015	DMED1F0015: Processing cannot be performed because the internal log is being exported. Wait a while, and then try again.
31f0017	DMED1F0017: Processing cannot be performed because exporting of the log failed. Wait a while, and then try again.
31f0018	DMED1F0018: Processing failed due to an invalid parameter. Check and, if necessary, revise the specified value.
31f0019	DMED1F0019: Processing cannot be performed because the internal log is being used. Check and, if necessary, revise the internal log status, and then try again.
31f001a	DMED1F001A: The process cannot be performed because the same IP address is specified to Syslog Server 1 and Syslog Server 2. Please confirm the IP address and try again.
31f001b	DMED1F001B: The process cannot be performed because the IPv6 address is specified to Syslog Server. Please confirm the version of the navigator.
31f0020	DMED1F0020: The number of characters in the user ID does not reach the minimum. Please revise the user ID.
31f0021	DMED1F0021: An invalid character is specified in the user ID. Check and, if necessary, revise the user ID.

Error Code	Description
31f0022	DMED1F0022: The current login session has timed out. Please log in again.
31f0023	DMED1F0023: You do not have a necessary permission. Contact the Account Administrator, and make sure you have all necessary permissions.
31f0024	DMED1F0024: The specified user ID has already been registered. Please specify another user ID.
31f0025	DMED1F0025: The specified user ID is not registered. Check and, if necessary, revise the user ID.
31f0026	DMED1F0026: A role is not assigned. Please assign one or more roles.
31f0027	DMED1F0027: The process cannot be performed for logged in user.
31f0028	DMED1F0028: The process cannot be performed for built-in account.
31f0029	DMED1F0029: You do not have modification permission. Contact the Account Administrator, and check your permission.
31f002a	DMED1F002A: The number of concurrently logged-in users has reached the maximum. Wait a while, and then log in.
31f002b	DMED1F002B: The specified password is incorrect. Please specify the password again.
31f002c	DMED1F002C: You cannot login because your account is disabled. Contact the account administrator, and confirm your account status.
31f002d	DMED1F002D: The specified password is incorrect. Check and, if necessary, revise the password.
31f002e	DMED1F002E: The number of account registrations has reached the maximum. Delete unnecessary accounts, and then register the account.
31f002f	DMED1F002F: The length of the specified password is below the minimum. Revise the password.
31f0030	DMED1F0030: Password protection and Account Authentication cannot be used together.
31f0031	DMED1F0031: The Account Authentication function cannot be unlocked or enabled because NNC is installed. Change the subsystem into a Fibre or iSCSI configuration, and then try again.
31f0032	DMED1F0032: The process cannot be performed because the specified session timeout value is outside the effective range. Confirm the session timeout value.
31f0033	DMED1F0033: The process cannot be performed because TrueCopy Modular Distributed is installed. Please de-install the option and try again.
31f0034	DMED1F0034: The specified function can not be installed because the function does not meet a requirement. Please retry after installing or enabling the TrueCopy function.
31f0035	DMED1F0035: The process cannot be performed because the specified other than permanent key. Please specify the permanent key and try again.

Error Code	Description
31f0036	DMED1F0036: The process cannot be performed because the remote path is defined of Fibre interface. Please delete the remote path and try again.
31f0037	DMED1F0037: The specified function can not be installed because the function does not meet a requirement. Please retry after installing or enabling the TrueCopy Extended Distance function.
31f0038	DMED1F0038: The specified function can not be installed because the function does not meet a requirement. Please retry after installing or enabling Remote Replication.
31f0040	DMED1F0040: The processing cannot be performed because the temporary or emergency key has expired.
31f0041	DMED1F0041: The processing cannot be performed because there is a ShadowImage pair in the specified RAID group.
31f0042	DMED1F0042: The process cannot be performed because the Remote Replication pair is contained.
31f0043	DMED1F0043: The process cannot be performed because the Remote Replication pair is contained.
31f0044	DMED1F0044: The processing cannot be performed because there is a COW Snapshot pair or a V-VOL in the specified RAID group.
31f0045	DMED1F0045: The processing cannot be performed because there is a Volume Migration pair in the specified RAID group.
31f0048	DMED1F0048: The process cannot be performed because formatting is now occurring. Please try again, after it is completed.
31f0049	DMED1F0049: The process cannot be performed because parity correction is not completed. Please try again, after it is completed.
31f004a	DMED1F004A: The processing cannot be performed because there is a data pool in the specified RAID group. Delete the data pool, and then try again.
31f004b	DMED1F004B: The processing cannot be performed because there is a DM-LU in the specified RAID group. Cancel the DM-LU, and then try again.
31f004c	DMED1F004C: The processing cannot be performed because there is a command device in the specified RAID group. Cancel the command device, and then try again.
31f004d	DMED1F004D: The processing cannot be performed because there is a system LU in the specified RAID group. Cancel the system LU, and then try again.
31f004e	DMED1F004E: The process cannot be performed because the LU change is in progress. Please try again, after it is completed.
31f0051	DMED1F0051: The processing cannot be performed because there is a system drive in the specified RAID group.
31f0052	DMED1F0052: The processing cannot be performed because there is an LU in the specified RAID group for which write processing has not completed. Wait until the processing has completed, and then try again.

Error Code	Description
31f0053	DMED1F0053: The process cannot be performed because the RAID groups in state of Command Monitoring are existing. Spin up the RAID groups and try again.
31f0054	DMED1F0054: The processing cannot be performed because RAID groups are in low-power mode. Spin up the RAID groups, and then try again.
31f0055	DMED1F0055: The processing cannot be performed because RAID groups are in low-power mode. Spin up the RAID groups, and then try again.
31f0056	DMED1F0056: The processing cannot be performed because RAID groups are in low-power mode. Wait for a while, and then try again.
31f0057	DMED1F0057: The specified RAID group is not defined. Specify a defined RAID group.
31f0058	DMED1F0058: The processing cannot be performed because processing to restore the RAID groups is executing. Spin up the RAID groups, and then try again.
31f0059	DMED1F0059: The processing cannot be performed because the health of the RAID groups is being checked. Spin up the RAID groups, and then try again.
31f005a	DMED1F005A: The processing cannot be performed because there is a user LU in the specified RAID group. Remove the user LU, and then try again.
31f005b	DMED1F005B: The processing cannot be performed because there is an SES drive in the specified RAID group.
31f005c	DMED1F005C: The process cannot be performed because state of Power Saving is in progress. Please retry after progress is completed.
31f005d	DMED1F005D: The process cannot be performed because the specified RAID group consists of SSD. Please confirm the RAID group and then try again.
31f005e	DMED1F005E: The process cannot be performed because the RAID groups which used system drives are in state of Power Saving. Please spin up the RAID groups and try again.
31f005f	DMED1F005F: The process cannot be performed because the specified RAID group consists of FMD. Please confirm the RAID group and then try again.
31f006a	DMED1F006A: The process cannot be performed because all the configured drives in the specified RAID group are not mounted in Dense84 units. Please confirm the RAID group and try again.
31f006b	DMED1F006B: The process cannot be performed because Power Saving Plus is not installed. Please install the option and try again.
31f006c	DMED1F006C: The process cannot be performed because the function of Power Saving Plus is in progress. Please spin up and then try again.
31f006d	DMED1F006D: The process cannot be performed because the I/O monitoring time of spin down is equal to or more than the I/O monitoring time of drive power off. Please confirm the values and try again.
31f006e	DMED1F006E: The process cannot be performed because the unified LU exists. Please separate the unified LU and try again.

Error Code	Description
31f006f	DMED1F006F: The process cannot be performed because the power saving operation different from current power saving operation is specified. Please spin up and then try again.
31f0070	DMED1F0070: The process cannot be performed because the I/O link are both enable and disable. Please confirm the I/O link and try again.
31f0071	DMED1F0071: The process cannot be performed because the specified RAID group consists of drive of unit which is unsupported drive power off. Please confirm the RAID group and try again.
31f0072	DMED1F0072: The process cannot be performed because Tray Power Saving is installed. Please de-install the option and try again.
31f0073	DMED1F0073: The process cannot be performed because the units to which Unit Power Off is enabled exist. Please change the Unit Power Off to disable and try again.
31f0074	DMED1F0074: The process cannot be performed because Power Saving Plus is not installed. Please install the option and try again.
31f0075	DMED1F0075: The process cannot be performed because other than Dense84 units are connected. Please confirm the unit and try again.
31f0076	DMED1F0076: The process cannot be performed because the number of connected units is over 5. Please confirm the number of units and try again.
31f0077	DMED1F0077: The process cannot be performed because Tray Power Saving is enabled, and the specified drives are mounted in unit from No.1 to No.3, and the drives to which Unit Power Off is enabled. Please change the Unit Power Off to disable and try again.
31f0078	DMED1F0078: The new unit cannot be added because the number of units reached the maximum. Please confirm the system configuration.
31f0079	DMED1F0079: The process cannot be performed because the drive of specified unit configures the DP RAID groups. Please confirm the unit and try again.
31f007a	DMED1F007A: The process cannot be performed because the mounted drives which belong to RAID groups exist in specified unit. Please retry after removing drives.
31f007b	DMED1F007B: The process cannot be performed because the drive of specified unit is defined as a spare drive. Please remove drive after releasing spare drive and try again.
31f007c	DMED1F007C: The process cannot be performed because the power of unit is off. Please change the Unit Power Off to disable and try again.
31f007d	DMED1F007D: The process cannot be performed because the specified unit is executing the power off. Please change the Unit Power Off to disable and try again.
31f007e	DMED1F007E: The process cannot be performed because the Unit Power Off of the unit which mounted drive which configured the specified RAID group is enabled. Please change the Unit Power Off to disable and try again.

Error Code	Description
31f007f	DMED1F007F: The process cannot be performed because the PS of subsystem is not normal state. Please confirm the status and then try again.
31f0080	DMED1F0080: The process cannot be performed because the external authentication server 1 is not defined. Please confirm the external authentication server 1 and try again.
31f0081	DMED1F0081: The process cannot be performed because the external authentication server 2 is not defined and the IP address of the external authentication server 1 is disabled. Please confirm the external authentication server 1 and try again.
31f0082	DMED1F0082: The process cannot be performed because the external authentication server 1 is not defined and the user whose user authentication is RADIUS exists. Please change the user authentication to Internal and try again.
31f0083	DMED1F0083: The specified IP address is incorrect. Please specify a correct IP address.
31f0084	DMED1F0084: The authentication classification cannot be RADIUS because the user authentication server 1 is not defined. Please setting the external authentication server 1 as RADIUS and try again.
31f0085	DMED1F0085: The process cannot be performed because the authentication test with the external authentication server 1 failed. Please confirm the external authentication server 1 setting and the LAN environment, and try again.
31f0086	DMED1F0086: The process cannot be performed because the character length of password is outside the effective range. Please confirm password and try again.
31f0087	DMED1F0087: The process cannot be performed because the authentication test with the external authentication server 1 failed. Please confirm the user ID and password, and try again.
31f0088	DMED1F0088: The process cannot be performed because the authentication test with the external authentication server 2 failed. Please confirm the external authentication server 2 setting and the LAN environment, and try again.
31f0089	DMED1F0089: The password cannot be changed because the user authentication is RADIUS. Please change the password of RADIUS server.
31f008a	DMED1F008A: Cannot login because the user authentication with an external authentication server was time-out. Please confirm the external authentication server setting and the LAN environment, and try again.
31f008b	DMED1F008B: Cannot login because the user authentication with an external authentication server was time-out. Or the process cannot be performed because the authentication test failed. Please confirm the external authentication server setting and the LAN environment, and try again.
31f008c	DMED1F008C: Cannot login because the user authentication with an external authentication server was failed. Please confirm the user ID and password, and try again.

Error Code	Description
31f008d	DMED1F008D: The process cannot be performed because the authentication test with the external authentication server 2 failed. Please confirm the user ID and password, and try again.
31f008e	DMED1F008E: The process cannot be performed because the character length of user ID is outside the effective range. Please confirm user ID and try again.
31f008f	DMED1F008F: The process cannot be performed because the password is not set. Please specify the password, and try again.
31f00a0	DMED1F00A0: The process cannot be performed because the user is not Built-in account. Please login by Built-in account and try again.
31f0101	DMED1F0101: The process cannot be performed because the connection test is executing. Please retry after the connection test is completed.
31f0102	DMED1F0102: The process cannot be performed because the health check is executing. Please retry after the health check is completed.
31f0103	DMED1F0103: The process cannot be performed because the unit power saving status is tray power off. Please retry after changing the unit into a power on state.
31f0104	DMED1F0104: The process cannot be performed because the Unit Power Off of the unit which mounted drive which configured the specified RAID group is enabled and specified drive is system drive. Please confirm the specified drive and try again.
3200001	DMED200001: Processing is not possible because cache memory size is 1GB or less. Increase the cache memory, and then retry.
3200002	DMED200002: This function is unsupported in a single-controller configuration. Use the function in a dual-controller configuration.
3200003	DMED200003: COW Snapshot cannot be unlocked because Cache Partition Manager is enabled. Unlock or disable Cache Partition Manager, and then try again.
3200004	DMED200004: Cache Partition Manager cannot be unlocked because the subsystem was not restarted after COW Snapshot was unlocked. Restart the subsystem, and then try again.
3200005	DMED200005: The unlocking or enabling cannot be executed because the cache memory size is too low. Increase the size to above 512MB, and then try again.
3200006	DMED200006: The option cannot be installed or enabled because cache memory size is 2GB or less. Please increase the cache memory and then try again.
3200011	DMED200011: Processing cannot be executed because the specified LU is not a reserved LU. Specify a reserved LU, and then try again.
3200012	DMED200012: Processing cannot be executed because the specified LU is a reserved LU. Delete the reserved LU or specify another LU, and then try again.
3200013	DMED200013: Processing cannot be performed because the specified P-VOL and S-VOL have different capacities. Specify LUs with the same capacity, and then try again.

Error Code	Description
3200014	DMED200014: Processing cannot be performed because the specified P-VOL and S-VOL have different owner controllers. Specify LUs with the same owner controller, and then try again.
3200015	DMED200015: Processing cannot be performed the specified P-VOL and S-VOL have the same LU number. Specify different LU numbers.
3200016	DMED200016: The process cannot be performed because the pair reached the maximum. Cancel or split the unnecessary Volume Migration pair, or split the unnecessary ShadowImage pair. And try again.
3200017	DMED200017: Processing cannot be performed because the specified P-VOL and S-VOL belong to the same RAID group. Specify LUs that belong to different RAID groups.
3200018	DMED200018: The specified pair cannot be cancelled because the pair status is not "wait" or "copy".
3200019	DMED200019: The specified pair cannot be split because the pair status is not "completed" or "error".
320001a	DMED20001A: Processing cannot be performed because the specified P-VOL and S-VOL are not part of the same pair. Specify a P-VOL and S-VOL that are a pair, and then try again.
320001b	DMED20001B: The reserved LU cannot be set because the maximum number of reserved LUs has been reached. Delete any unnecessary reserved LUs, and then try again.
320001c	DMED20001C: The specified LU is the S-VOL for a volume migration pair. Specify another LU, and then try again.
320001d	DMED20001D: The specified LU is not a reserved LU. Specify a reserved LU, and then try again.
320001e	DMED20001E: Processing cannot be executed because the P-VOL or S-VOL of the volume migration pair is included. Cancel the pair, and then try again.
320001f	DMED20001F: Processing cannot be executed because the reserved LU is included. Cancel the reserved LU, and then try again.
3200020	DMED200020: The process cannot be performed because the P-VOL or S-VOL of the Volume Migration pair or the reserve LU is contained. Split the Volume Migration pair or delete the reserve LU and try again.
3200021	DMED200021: Processing cannot be performed because the owner ID is invalid. Cancel the pair by using the application that created the pair.
3200022	DMED200022: Processing cannot be performed because the owner ID is invalid. Split the pair by using the application that created the pair.
3200023	DMED200023: The specified owner ID is not supported.
3200024	DMED200024: A reserved LU already exists. Delete it, and then try again.
3200025	DMED200025: A volume migration pair already exists. Stop or cancel the pair, and then try again.
3200026	DMED200026: Processing cannot be performed because the specified LU is reserved for cache partition modification. Restart the subsystem and then try again.

Error Code	Description
3200027	DMED200027: Processing cannot be performed because the management area is insufficient. Delete any unnecessary pairs, and then try again.
3200028	DMED200028: The specified LU is not the volume migration pair. Specify another LU, and then try again.
3200029	DMED200029: The specified LU is the volume migration pair, and it is currently being copied. Wait until the copying has finished, and then try again.
320002a	DMED20002A: The copy speed of the specified pair cannot be changed because the pair is not currently waiting or being copied.
320002b	DMED20002B: The specified owner ID is not supported.
320002c	DMED20002C: The process cannot be performed because the specified LU is not the P-VOL or S-VOL of the Volume Migration pair. Specify the P-VOL or S-VOL of the Volume Migration pair and try again.
320002d	DMED20002D: The specified P-VOL and S-VOL belong to same DP pool. Please specify a different DP pool and then try again.
320002e	DMED20002E: The capacity of DP pool to which the specified S-VOL belongs is insufficient. Please add DP pool capacity and then try again.
320002f	DMED20002F: The process cannot be performed because the capacity of DM-LU is insufficient. Please grow the capacity of DM-LU and try again.
3200030	DMED200030: The number of iSCSI connecting hosts exceeds the maximum value that can be unlocked or enabled fee-basis option. Please delete unnecessary hosts and try again.
3200031	DMED200031: The process cannot be performed because specified S-VOL is in progress. Please wait for a while and then try again.
3200032	DMED200032: The process cannot be performed because the status of DM-LU is illegal. Please recover the status and try again.
3200033	DMED200033: The process cannot be performed because state of the DP pool which contains the DM-LU is detached. Please recover and then try again.
3200034	DMED200034: The process cannot be performed because the capacity of DM-LU is insufficient. Please grow the capacity of DP pool and try again.
3210001	DMED210001: The process cannot be performed because the mapping information is overlapped within the same host group. Confirm the mapping information.
3210010	DMED210010: The process cannot be performed because subsystem is in progress. Wait a moment and then try again.
3210011	DMED210011: The process cannot be performed because E-mail Error Report is enabled. Please set E-mail Error Report to disable and try again.
3220001	DMED220001: The process cannot be performed because the specified battery count is outside the effective range. Please confirm the battery count.
3220002	DMED220002: The battery count cannot be increased. Please specify the count equal to or less than the current battery count.

Error Code	Description
3220003	DMED220003: The process cannot be performed in the single-controller system. Please confirm the system configuration.
3220004	DMED220004: The new unit cannot be added because the number of units reached the maximum. Please confirm the system configuration.
3220005	DMED220005: The process cannot be performed because the controller or ENC is detached. Please recover the status and then try again.
3220006	DMED220006: The process cannot be performed because the ENC firmware is being replaced. Please retry after the replacement completes.
3220007	DMED220007: The process cannot be performed because the subsystem is under diagnosis process. Please retry after a while.
3220008	DMED220008: The process cannot be performed because the unit is being added. Please retry after the addition of unit completes.
3220009	DMED220009: The specified battery count cannot be set. Please specify a right battery count.
3230001	DMED230001: The process cannot be performed because the migration guard is set up. Please clear the migration guard and try again.
3230002	DMED230002: The process cannot be performed because the Migration Status is Checking. Please confirm the Migration Status and try again.
3230003	DMED230003: The process cannot be performed because the Migration Status is Preparing to Create Copy. Please confirm the Migration Status and try again.
3230004	DMED230004: The process cannot be performed because the Migration Status is Creating Copy. Please confirm the Migration Status and try again.
3230005	DMED230005: The process cannot be performed because the Migration Status is Auto Migration Failed. Please confirm the Migration Status and try again.
3230006	DMED230006: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again.
3230007	DMED230007: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again.
3230008	DMED230008: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again.
3230009	DMED230009: The process cannot be performed because the subsystem is executing Auto Migration. Please confirm the Migration Status and try again.
3230010	DMED230010: The process cannot be performed because the Migration Status is Copy Created. Please confirm the Migration Status and try again.
3230011	DMED230011: The process cannot be performed because the Migration Status is Switching Array. Please confirm the Migration Status and try again.

Error Code	Description
3230012	DMED230012: The process cannot be performed because the Migration Status is Auto Migration Completed. Please confirm the Migration Status and try again.
3230013	DMED230013: The process cannot be performed because the Migration Status is Switching Array Failed. Please confirm the Migration Status and try again.
3230014	DMED230014: The process cannot be performed because the Migration Status is In Progress. Please confirm the Migration Status and try again.
3230015	DMED230015: The process cannot be performed because the Migration Status is Completed. Please confirm the Migration Status and try again.
3230016	DMED230016: The process cannot be performed because the Migration Status is Failed. Please confirm the Migration Status and try again.
3230017	DMED230017: The process cannot be performed because the Migration Status is Not Started. Please confirm the Migration Status and try again.
3230018	DMED230018: The process cannot be performed because the Migration Status is Creating Copy Failed to Start. Please confirm the Migration Status and try again.
3230019	DMED230019: The process cannot be performed because the ENC firmware is being replaced. Please retry after replacement completes.
3230020	DMED230020: The process cannot be performed because the Migration Status is Preparing. Please confirm the Migration Status and try again.
3230021	DMED230021: The process cannot be performed because ShadowImage pair of Split Pending exists. Please try again when the pair status is not Split Pending.
3231000	DMED231000: The process cannot be performed because the subsystem is executing the Migration. Please confirm the Migration Status and try again.
3231001	DMED231001: The process cannot be performed because the subsystem is executing the Auto Migration or the addition of unit. Please confirm the Migration Status while executing Auto Migration and try again.
3231002	DMED231002: The specified array ID is incorrect. Please specify a right array ID.
3231003	DMED231003: The process cannot be performed because formatting is now occurring. Please retry after formatting completes.
3231004	DMED231004: The process cannot be performed because the specified interface board type is not equipped. Please confirm the interface board type.
3231005	DMED231005: The process cannot be performed because the PIN exceeded state. Please restore PIN data and try again.
3231006	DMED231006: The process cannot be performed because the write uncompleted LU exists. Please recover and then try again.
3231007	DMED231007: The process cannot be performed because the DM-LU is not defined. Please define DM-LU and try again.

Error Code	Description
3231008	DMED231008: The process cannot be performed because the Auto Migration is executing or is failed. Please confirm the Migration Status and try again.
3240001	DMED240001: The certificate and the secret key cannot be checked. Please restart the subsystem and then try again.
3240002	DMED240002: The process cannot be performed because the certificate is invalid. Please confirm the certificate and try again.
3240003	DMED240003: The process cannot be performed because the secret key is invalid. Please confirm the certificate and try again.
3241001	DMED241001: The process cannot be performed because the RAID group expansion is now occurring. Please retry after expansion is completed. And, the specified operation may not be performed even if the RAID group expansion is completed. When the RAID group expansion is completed, please retry after waiting 2 minutes or more.
3241002	DMED241002: The 'cancel' operation cannot be performed because the RAID group does not execute the expansion. Please confirm the RAID group and then try again.
3241003	DMED241003: The 'cancel' operation cannot be performed because the RAID group is executing expansion or has been executed the expansion and waiting. Please confirm the RAID group status and try again.
3241004	DMED241004: The 'forcibly cancel' operation cannot be performed because the RAID group does not execute the expansion and waiting. Please specify a 'cancel' operation.
3241005	DMED241005: The process cannot be performed because RAID group is RAID0. Please confirm RAID level and then try again.
3241006	DMED241006: The process cannot be performed because the number of parity groups is not 1. Please confirm the RAID group and try again.
3241007	DMED241007: The process cannot be performed because the specified drives contain an un-mounted drive or a blocked drive. Please confirm the drive status and try again.
3241008	DMED241008: The specified drive is already defined as a spare drive, or is already being used in the RAID group. Please confirm the drive status and try again.
3241009	DMED241009: The process cannot be performed because the number of drive is incorrect. Please specify it by an even number, when RAID level is RAID1 or RAID1+0.
324100a	DMED24100A: The process cannot be performed because the number of drive is incorrect. Please specify the number of drives within the range of the combination at the RAID level.
324100b	DMED24100B: The process cannot be performed because the drive type of the RAID group is different. Please confirm the drive type and try again.
324100c	DMED24100C: The process cannot be performed because the capacity of specified drive is less than the minimum capacity of the RAID group drives. Please confirm the drive capacity and try again.

Error Code	Description
324100d	DMED24100D: The process cannot be performed because ShadowImage pair or Remote Replication pair is not Simplex or Split, or SnapShot pair is not Simplex or Paired. Please retry after copy is completed.
324100e	DMED24100E: The process cannot be performed because SnapShot pair is not Paired or Remote Replication pair is not Split. Please retry after copy is completed.
324100f	DMED24100F: The process cannot be performed because some logical unit are under quick formatting. Please retry after quick formatting is completed.
3241010	DMED241010: The process cannot be performed because some logical unit is under parity correction. Please retry after parity correction is completed.
3241011	DMED241011: The process cannot be performed because the write uncompleted LU is contained. Please recover and then try again.
3241012	DMED241012: The process cannot be performed because the Volume Migration pair is contained. Please split the pair and try again.
3241013	DMED241013: The process cannot be performed because the reserve LU of the Volume Migration is contained. Please delete the reserve LU and try again.
3241014	DMED241014: The process cannot be performed because the Cache Residency LU or a reserved one exists. Please delete the Cache Residency LU and then try again.
3241015	DMED241015: The process cannot be performed because the state of Power Saving in RAID group is existing. Please spin up the RAID group and try again.
3241016	DMED241016: The process cannot be performed because the LU change is in progress. Please wait for a while and then try again.
3241017	DMED241017: The process cannot be performed because the size of LU is over 120TB or the unified LU exists. Please shrink the LU capacity and try again.
3241018	DMED241018: The process cannot be performed because the specified RAID group is a LU grow. Please confirm the specified LU status.
3241019	DMED241019: The process cannot be performed because the subsystem is not restarted, when Cache Partition Manager and SnapShot or Remote Replication is enabled. Or the process cannot be performed because cache partition modification is reserved. Please restart the subsystem and try again.
324101a	DMED24101A: The process cannot be performed because ShadowImage pair of Split Pending exists. Please try again after status is changed to Split.
324101b	DMED24101B: The process cannot be performed because the logical unit in regressed state is contained. Please change the state to normal and try again.
3241050	DMED241050: The process cannot be performed because the RAID group expansion is now occurring. Please retry after expansion is completed.

Error Code	Description
3241051	DMED241051: The process cannot be performed because the LU changing occurred by the RAID group expansion. Please retry after expansion is completed.
3250001	DMED250001: The specified IP address is incorrect. Please specify a correct IP address.
3250002	DMED250002: The specified default gateway address is incorrect. Please specify a right default gateway address.
3250003	DMED250003: The process cannot be performed because the segment is different between the management LAN and default gateway. Please specify a correct IP address.
3250004	DMED250004: The process cannot be performed because the specified management LAN is same address as the linklocal management LAN. Please specify the different address and try again.
3250005	DMED250005: The process cannot be performed because the specified management LAN is same address as the linklocal maintenance LAN. Please specify the different address and try again.
3250006	DMED250006: The process cannot be performed because the specified management LAN is same address as the maintenance LAN. Please specify the different address and try again.
3250007	DMED250007: The process cannot be performed because the specified maintenance LAN is same address as the management LAN. Please specify the different address and try again.
3250008	DMED250008: The process cannot be performed because the specified maintenance LAN is same address as the linklocal management LAN. Please specify the different address and try again.
3250009	DMED250009: The process cannot be performed because the specified maintenance LAN is same address as the linklocal maintenance LAN. Please specify the different address and try again.
325000a	DMED25000A: The process cannot be performed because subsystem is in progress. Please wait a moment and then try again.
325000b	DMED25000B: The process cannot be performed because subsystem is in progress. Please wait a moment and then try again.
325000c	DMED25000C: The specified IP address is incorrect. Please specify a correct IP address.
325000d	DMED25000D: The specified IP address is incorrect. Please specify a correct IP address.
325000e	DMED25000E: The protocol version (IPv4/IPv6) is different between IP address of subsystem and the specified IP address of mail server. Please confirm the protocol version of the subsystem and try again.
325000f	DMED25000F: The protocol version (IPv4/IPv6) is different between IP address of subsystem and the set IP address of mail server. Please confirm the protocol version of the subsystem and try again.
3260001	DMED260001: The specified drive is already defined as a spare drive, or is already being used in the RAID group or DP pool. Please confirm the drive status and try again.

Error Code	Description
3260002	DMED260002: The process cannot be performed because the DP pool exists. Please delete the DP pool and try again.
3260003	DMED260003: The process cannot be performed because the specified logical unit is a logical unit in the DP pool. Please specify another logical unit and try again.
3260004	DMED260004: The process cannot be performed because the subsystem is not restarted after Remote Replication, SnapShot or Dynamic Provisioning is installed or is de-installed. Please restart the subsystem and then try again.
3260005	DMED260005: The number of defined logical unit reached the maximum. Please delete unnecessary logical unit and try again.
3260006	DMED260006: The process cannot be performed because the specified RAID group is a RAID group in the DP pool. Please confirm the RAID group and try again.
3260007	DMED260007: The process cannot be performed because the logical unit which belongs to the DP pool is not normal state. Please recover the status and then try again.
3260008	DMED260008: The specified DP pool number has already been defined. Please specify a new number.
3260009	DMED260009: The process cannot be performed because the specified RAID level is not supported. Please specify the RAID level currently supported and try again.
326000a	DMED26000A: The specified RAID group is already defined or used by DP pool. Please specify a new RAID group.
326000b	DMED26000B: The process cannot be performed because the specified DP pool is neither in normal nor in regressed state. Please recover the status and then try again.
326000c	DMED26000C: The process cannot be performed because the non-supported drive is mounted. Please replace the drive and then try again.
326000d	DMED26000D: The process cannot be performed because the capacity of specified drive is not supported. Please replace the drive currently supported and try again.
326000e	DMED26000E: The specified DP pool cannot be deleted. Please specify another DP pool.
326000f	DMED26000F: The number of defined RAID group reached the maximum. Please delete unnecessary RAID group and try again.
3260010	DMED260010: The process cannot be performed because the subsystem is not restarted after Dynamic Provisioning is installed. Please restart the subsystem and then try again.
3260011	DMED260011: The process cannot be performed because combination of the RAID level and the number of drive does not match. Please confirm combination of the RAID level or the number of drive and try again.
3260012	DMED260012: The specified DP pool is not defined. Please specify a defined DP pool and then try again.

Error Code	Description
3260013	DMED260013: The process cannot be performed because the specified DP pool is neither in normal state. Please recover the status and then try again.
3260014	DMED260014: The number of drives reach the maximum. Please confirm the number of drives.
3260015	DMED260015: The process cannot be performed because the logical unit exists in the DP pool. Please delete the logical unit in the DP pool and then try again.
3260016	DMED260016: The process cannot be performed because the drive recovery is in progress. Please retry after drive recovery completes.
3260017	DMED260017: The process cannot be performed because the drive firmware is being replaced. Please retry after replacement completes.
3260018	DMED260018: The early alert of DP pool consumed capacity alert is equal to or more than the depletion alert. Please confirm the values and try again.
3260019	DMED260019: The warning of over provisioning threshold is equal to or more than the limit. Please confirm the values and try again.
326001a	DMED26001A: The process cannot be performed because the combination of drive type and drive capacity does not match. Please confirm the drive type or the drive capacity, and try again.
326001b	DMED26001B: There is no drive which can be used. Please confirm the number of drives and try again.
326001c	DMED26001C: The process cannot be performed because specified logical unit is not a logical unit in the DP pool. Please specify an logical unit in the DP pool and then try again.
326001d	DMED26001D: The process cannot be performed because cache memory size is 2GB or less. Please increase a larger cache memory than 4GB and then try again.
326001e	DMED26001E: The process cannot be performed because cache memory size is 2GB or less. Please increase a larger cache memory than 4GB and then try again.
326001f	DMED26001F: The process cannot be performed because the status of DP pool consumed capacity is depletion alert over or capacity depleted. Please confirm the DP pool consumed capacity and then try again.
3260020	DMED260020: The process cannot be performed because the DP pool consumed capacity is not normal state. Please confirm the DP pool consumed capacity and then try again.
3260021	DMED260021: The process cannot be performed because the combination of RAID level and number of drives does not match. Please confirm the number of drives and then try again.
3260022	DMED260022: The process cannot be performed because different drives are specified. Please confirm the drive type and then try again.
3260023	DMED260023: The process cannot be performed because there are some logical units that are not normal or skip state of the parity correction. Please retry after changing to normal state.

Error Code	Description
3260024	DMED260024: The process cannot be performed because the drive type of the DP pool is different. Please confirm the drive type and then try again.
3260025	DMED260025: The process cannot be performed because the combination of stripe size and segment size does not match. Please confirm the stripe size or the cache partition and then try again.
3260026	DMED260026: The process cannot be performed because the combination of the number of drives and the combination does not match. Please confirm the number of drives and the combination and then try again.
3260027	DMED260027: The process cannot be performed because the capacity of DP pool will exceed the maximum. Please delete unnecessary DP pools and then try again.
3260028	DMED260028: The process cannot be performed because the access level is set up. Please change the attribute to Read/Write, and set S-VOL mode to enable. When the mode is set up, please reset the mode using RAID Manager. And try again.
3260029	DMED260029: The process cannot be performed because the DP optimization state of the specified logical unit in DP pool or the logical units in DP pool that has specified logical unit is neither in Normal state nor in Failed state. Please wait for completion of DP optimization or cancel DP optimization and then try again.
326002a	DMED26002A: The process cannot be performed because the DP optimization state of logical unit in DP pool is not Normal. Please try again, after DP optimization is completed. When the state of DP optimization is failed, cancel DP optimization and then try again.
326002b	DMED26002B: The process cannot be performed because the capacity of DP pool for performing DP optimization is insufficient. Please add capacity of DP pool for performing DP optimization and then try again.
326002c	DMED26002C: The process cannot be performed because specified logical unit in DP pool or the logical units in DP pool that has specified logical unit contains the write uncompleted logical unit. Please recover and then try again.
326002d	DMED26002D: It is not necessary to cancel because DP optimization state of the logical unit in specified DP pool or the logical unit in DP pool containing specified logical unit is already optimizing or canceling.
326002e	DMED26002E: The process cannot be performed because DP optimization state of the logical unit in DP pool is not normal. Please confirm DP optimization state of the logical unit in DP pool and then try again.
326002f	DMED26002F: The process cannot be performed because specified logical unit in DP pool contains the write uncompleted logical unit. Please recover and then try again.
3260030	DMED260030: The process cannot be performed because status of the logical unit in specified DP pool or the logical unit in DP pool containing specified logical unit is neither in Normal state nor in Regression state. Please recover the logical unit and then try again.

Error Code	Description
3260031	DMED260031: The process cannot be performed because ShadowImage pair of Simplex state exists in specified DP pool. Please release the pair and then try again.
3260032	DMED260032: The process cannot be performed because specified logical unit in DP pool or the logical units in DP pool that has specified logical unit is in the PIN exceeded state. Please recover and then try again.
3260033	DMED260033: The process cannot be performed because state of the DP pool which contains the specified logical unit is Detached. Please recover and then try again.
3260034	DMED260034: The process cannot be performed because status the logical unit in the specified DP pool is in Normal state nor in Regression state. Please recover the logical unit and then try again.
3260035	DMED260035: The process cannot be performed because specified logical unit in DP pool is in the PIN exceeded state. Please recover and then try again.
3260036	DMED260036: The process cannot be performed because the updating of DP management information is in progress. Please wait a moment and then try again.
3260037	DMED260037: The capacity of DP pool to which the specified P-VOL belongs is insufficient. Please add DP pool capacity and then try again.
3260038	DMED260038: The process cannot be performed because the subsystem is not restarted after DP capacity mode is changed. Please restart the subsystem and then try again.
3260039	DMED260039: The process cannot be performed because the capacity of DP pool will exceed the maximum. Please restart the subsystem and then try again.
326003a	DMED26003A: The process cannot be performed because the subsystem is not restarted after Remote Replication, SnapShot or Dynamic Provisioning is installed or is de-installed, or DP capacity mode is changed. Please restart the subsystem and then try again.
326003b	DMED26003B: The process cannot be performed because Remote Replication pair of Simplex state exists in specified DP pool. Please cancel the pair and then try again.
326003c	DMED26003C: The process cannot be performed because Remote Replication pair of Simplex state exists in specified DP pool. Please cancel the pair and then try again.
326003d	DMED26003D: The process cannot be performed because SnapShot pair of Simplex state exists in specified DP pool. Please cancel the pair and then try again.
326003e	DMED26003E: The process cannot be performed because the data pool exists in specified DP pool. Please delete the data pool and try again.
326003f	DMED26003F: The process cannot be performed because the depletion alert of replication threshold is equal to or more than the replication data released. Please confirm the values and try again.
3260040	DMED260040: The process cannot be performed because the SnapShot pair which used replication data DP pool exists. Please release the pair and then try again.

Error Code	Description
3260041	DMED260041: The process cannot be performed because the SnapShot pair which used management area DP pool exists. Please release the pair and then try again.
3260042	DMED260042: The process cannot be performed because the deallocation of replication data for specified DP pool is in progress. Please wait a moment and then try again.
3260043	DMED260043: The process cannot be performed because the deallocation of management area for specified DP pool is in progress. Please wait a moment and then try again.
3260044	DMED260044: The process cannot be performed because the deallocation of replication data is in progress. Please wait a moment and then try again.
3260045	DMED260045: The process cannot be performed because the deallocation of management area is in progress. Please wait a moment and then try again.
3260046	DMED260046: The process cannot be performed because the Remote Replication pair which used replication data DP pool exists. Please release the pair and then try again.
3260047	DMED260047: The process cannot be performed because the Remote Replication pair which used management area DP pool exists. Please release the pair and then try again.
3260048	DMED260048: The process cannot be performed because the difference of the replication data released threshold and the depletion alert of replication threshold is 5% of less. Please confirm the values and try again.
3260049	DMED260049: The process cannot be performed because Dynamic Tiering is installed. Please de-install the option and try again.
326004a	DMED26004A: The specified function can not be installed because the function does not meet a requirement. Please retry after installing or enabling the Dynamic Provisioning.
326004b	DMED26004B: The process cannot be performed because the tier mode of DP pool is enabled. Please change the tier mode to disable or delete the DP pool and try again.
326004c	DMED26004C: The process cannot be performed because the number of defined DP RAID group is not specified. Please specify the number of defined DP RAID group and try again.
326004d	DMED26004D: The number of defined RAID group reached the maximum. Please delete unnecessary RAID group or DP pool and try again.
326004e	DMED26004E: The process cannot be performed because the DP RAID number is overlapped. Please confirm the DP RAID number and try again.
326004f	DMED26004F: The process cannot be performed because the drive number is overlapped. Please confirm the drive number and try again.
3260050	DMED260050: The process cannot be performed because the monitored I/O is not specified. Please specify the monitored I/O and try again.

Error Code	Description
3260051	DMED260051: The process cannot be performed because tier mode of the DP pool which contains the specified logical unit is disabled. Please confirm the logical unit and try again.
3260052	DMED260052: The process cannot be performed because the tier mode of the specified DP pool is disabled. Please change the tier mode to enable and try again.
3260053	DMED260053: The process cannot be performed because the drive type, RAID level or HDU combination of the specified DP pool is mixed. Please delete DP pool and create again.
3260054	DMED260054: The process cannot be performed because two or more tiers exist in specified DP pool. Please delete DP pool and create again.
3260055	DMED260055: The process cannot be performed because the chunk size of DP RAID group in specified DP pool is not 1GB. Please delete DP pool and create again.
3260056	DMED260056: The process cannot be performed because the monitoring state of specified DP pool is the state of deleting monitored data. Please retry after the process completes.
3260057	DMED260057: The process cannot be performed because the drive type, RAID level or HDU combination is mixed. Please confirm the operation and then try again.
3260058	DMED260058: The process cannot be performed because the number of tiers reached the maximum. Please confirm the specified drive type and try again.
3260059	DMED260059: The process cannot be performed because RAID level is mixed. Please confirm the operation and try again.
326005a	DMED26005A: The process cannot be performed because HDU combination is mixed. Please confirm the operation and try again.
326005b	DMED26005B: The process cannot be performed because the monitoring state is not state of monitoring or stop(data valid). Please confirm the monitoring state and try again.
326005c	DMED26005C: The process cannot be performed because the auto progress mode is disabled. Please change the auto progress mode to enable and try again.
326005d	DMED26005D: The process cannot be performed because the auto progress mode is enabled. Please change the auto progress mode to disable and try again.
326005e	DMED26005E: The process cannot be performed because the monitoring state is the state of deleting monitored data. Please retry after the process completes.
326005f	DMED26005F: The process cannot be performed because the monitoring state is the state of error recovery. Please retry after the process completes.
3260060	DMED260060: The process cannot be performed because the monitoring state is the state of monitoring. Please retry after the process completes.
3260061	DMED260061: The promotion of all logical units in DP pools cannot be specified at the same time, when Accelerated Wide Striping Mode and the

Error Code	Description
	Full Capacity Mode is specified to enable. Please confirm the operation and then try again.
3260062	DMED260062: The process cannot be performed because the updating of Dynamic Tiering management information is in progress. Please wait a moment and then try again.
3260063	DMED260063: The process cannot be performed because the specified DP pool consists of SSD. Please delete DP pool and create again.
3260064	DMED260064: The process cannot be performed because the capacity of drives other than SSD of the specified logical unit in DP pool is insufficient. If it is temporarily insufficient, please wait a moment and then try again. If you cannot set up again, please grow the capacity of DP pool.
3260065	DMED260065: The process cannot be performed because the capacity of drives other than SSD of the specified logical unit in DP pool is insufficient. Please grow the capacity of DP pool and try again.
3260066	DMED260066: The process cannot be performed because only one tier exists in the specified DP pool. Please add two or more tiers and then try again.
3260067	DMED260067: The process cannot be performed because the monitoring state is stop(data invalid). Please start monitoring DP pool and try again.
3260068	DMED260068: The process cannot be performed because the monitoring state is reset. Please start monitoring DP pool after reset is completed and try again.
3260069	DMED260069: The process cannot be performed because Auto DP Optimize of the specified logical unit is enabled. Please set Auto DP Optimize to disable, and try again.
326006a	DMED26006A: The process cannot be performed because the current value and setting value of the DP capacity mode differ from each other. Please try again after executing the memory reconfiguration or restarting the subsystem.
326006b	DMED26006B: The process cannot be performed because the capacity of DP pool will exceed the maximum. Please try again after executing the memory reconfiguration or restarting the subsystem.
326006c	DMED26006C: The process cannot be performed because the subsystem is not restarted or the memory reconfiguration is not executed after DP capacity mode is changed. Please try again after restarting the subsystem or executing the memory reconfiguration.
326006d	DMED26006D: The process cannot be performed because the capacity of DP pool will exceed the maximum. Please delete unnecessary DP pools, shrink the DP pools or change the DP capacity mode to Maximum Capacity and try again.
326006e	DMED26006E: The process cannot be performed because the capacity of tier whose chunk size is 1GB of the specified logical unit in DP pool is insufficient. If it is temporarily insufficient, please wait a moment and then try again. If you cannot set up again, please grow the capacity of DP pool.

Error Code	Description
326006f	DMED26006F: The process cannot be performed because the capacity of tier whose chunk size is 1GB of the specified logical unit in DP pool is insufficient. Please grow the capacity of DP pool and try again.
3260070	DMED260070: The process cannot be performed because the specified DP RAID group does not exist in specified DP pool. Please confirm the DP RAID group and try again.
3260071	DMED260071: All DP RAID groups in DP pool can not be deleted. Please delete the DP pool.
3260072	DMED260072: The shrink of DP pool capacity cannot be canceled. Please wait until the shrink of DP pool capacity is completed.
3260073	DMED260073: The process cannot be performed because the DP pool capacity is being shrunk. Please retry after the process completes.
3260074	DMED260074: The process cannot be performed because SnapShot pair or Remote Replication pair exists when current replication utilization percent of specified DP pool is not 0. Please delete the pair and then try again.
3260075	DMED260075: The process cannot be performed because the DP pool capacity is being shrunk. Please retry after the process completes.
3260076	DMED260076: The process cannot be performed because the specified DP pool consists of SSD. Please delete DP pool and create again or delete RAID group consists of SSD.
3260077	DMED260077: The process cannot be cancelled because shrinking DP pool capacity is not started. Please confirm the DP pool status and try again.
3260078	DMED260078: The process cannot be performed because DP pool under shrinking capacity exists. Please retry after the shrinking DP pool capacity is completed.
3260079	DMED260079: The process cannot be performed because the DP pool capacity is being shrunk. Please retry after the process completes.
326007a	DMED26007A: The process cannot be performed because the specified DP pool consists of SSD or FMD. Please delete DP pool and create again or delete RAID group consists of SSD or FMD.
3260080	DMED260080: The process cannot be performed because the capacity is equal to or more than the replication data released threshold. Please add DP pool capacity, release the pair which used replication data, or change the threshold. And try again.
3270000	DMED270000: A memory reconfiguration of fee-basis option is required to confirm a setup.
3270001	DMED270001: The process cannot be performed because the memory reconfiguration is in progress. Please try again after the memory reconfiguration is completed.
3270002	DMED270002: The process cannot be performed because the memory reconfiguration is failed. Please reconfigure memory after removing the cause of the error, or restart the subsystem.
3270003	DMED270003: The process cannot be performed because the subsystem is not restarted or the memory reconfiguration is not executed after the

Error Code	Description
	option using data pool is installed or enabled. Please try again after restarting the subsystem or executing the memory reconfiguration.
3270004	DMED270004: The process cannot be performed because the subsystem is not restarted or the memory reconfiguration is not executed after the option using data pool or Dynamic Provisioning is installed, de-installed, enabled, or disabled. Please try again after restarting the subsystem or executing the memory reconfiguration.
3270005	DMED270005: The process cannot be performed because the subsystem is not restarted or the memory reconfiguration is not executed after Dynamic Provisioning is installed or enabled. Please try again after restarting the subsystem or executing the memory reconfiguration.
3270006	DMED270006: The process cannot be performed because the memory reconfiguration to use data pool is failed. Please reconfigure memory after removing the cause of the error, or restart the subsystem.
3270007	DMED270007: The process cannot be performed because the memory reconfiguration to use Dynamic Provisioning failed. Please reconfigure memory after removing the cause of the error, or restart the subsystem.
3270008	DMED270008: It is not necessary to reconfigure memory because the memory reconfiguration is completed.
3270009	DMED270009: The memory reconfiguration is in progress already. Please try again after memory reconfiguration is completed, when required.
327000a	DMED27000A: The process cannot be performed because the status of ShadowImage pair is Synchronizing, Split Pending, or Paired Internally Synchronizing, or Volume Migration pair is copying. Please retry after copy is completed.
327000b	DMED27000B: The process cannot be performed because the status of SnapShot pair is Synchronizing. Please retry after copy is completed.
327000c	DMED27000C: The process cannot be cancel because reconfiguring memory is not started.
327000d	DMED27000D: The reconfigure memory cannot be aborted. Please wait until the reconfigure memory is completed.
327000e	DMED27000E: The process cannot be performed because DP pool under formatting exists. Retry after formatting completes.
327000f	DMED27000F: The reconfigure memory cannot be performed because the capacity of Cache Residency LU is large. Please release a Cache Residency LU or set a Cache Residency LU to small capacity LU and restart the subsystem. If the subsystem is restarted without the operation, the Cache Residency LU is released.
3270010	DMED270010: The process cannot be performed because the capacity of DP pool is insufficient or over the depletion alert value of DP pool consumed capacity alert. Please grow the capacity of DP pool or change the depletion alert value of DP pool consumed capacity alert, and try again.
3270011	DMED270011: The process cannot be performed because Full Capacity Mode of the specified logical unit is enabled. Please set Full Capacity Mode to disable, and try again.

Error Code	Description
3270012	DMED270012: The process cannot be performed because Full Capacity Mode of the specified logical unit is in progress. Please retry after the process completes.
3270013	DMED270013: The process cannot be performed because the logical unit to which Full Capacity Mode in specified DP pool is in progress exists. Please retry after the process completes.
3270014	DMED270014: The Accelerated Wide Striping Mode and the Full Capacity Mode cannot be specified to enable at the same time. Please set Accelerated Wide Striping Mode or the Full Capacity Mode to disable, and try again.
3270015	DMED270015: The process cannot be performed because the Full Capacity Mode is different between the specified P-VOL and S-VOL. Please specify the logical unit of the same Full Capacity Mode and try again.
3270016	DMED270016: The process cannot be performed because the Full Capacity Mode of specified logical unit is different from the data pool. Please confirm the Full Capacity Mode and try again.
3270017	DMED270017: The process cannot be performed because the capacity of specified DP pool is insufficient. Please set the Full Capacity Mode to disable, or please retry after formatting of DP pool is completed.
3270018	DMED270018: The Full Capacity Mode cannot be specified to enable because the capacity of DP pool to which the specified logical unit belongs is insufficient. Please retry after formatting of DP pool is completed.
3270019	DMED270019: The process cannot be performed because the over provisioning threshold of the DP pool that has the specified logical unit will be equal to or more than the limit. Please add DP pool capacity and then try again.
327001a	DMED27001A: The process cannot be performed because the subsystem is not restarted or the memory reconfiguration is not executed after Dynamic Provisioning is installed, de-installed, enabled, or disabled. Please try again after restarting the subsystem or executing the memory reconfiguration.
327001b	DMED27001B: The process cannot be performed because the subsystem is not restarted or the memory reconfiguration is not executed after Dynamic Tiering is installed, de-installed, enabled, or disabled. Please try again after restarting the subsystem or executing the memory reconfiguration.
327001c	DMED27001C: The process cannot be performed because the subsystem is not restarted or the memory reconfiguration is not executed after Dynamic Tiering is installed or enabled. Please try again after restarting the subsystem or executing the memory reconfiguration.
327001d	DMED27001D: The process cannot be performed because the memory reconfiguration to use Dynamic Tiering failed. Please reconfigure memory after removing the cause of the error, or restart the subsystem.
327001e	DMED27001E: The process cannot be performed because the subsystem is not restarted after Dynamic Tiering is installed or is enabled. Please restart the subsystem and then try again.

Error Code	Description
3280000	DMED280000: The backup information of the Master Authentication Key was created.
3280001	DMED280001: The process cannot be performed because the refreshing of the authentication key is in progress. The refreshing is completed, then try again.
3280004	DMED280004: The SAS(SED) drives are mounted. Please remove the SAS(SED) drives, and try again.
3280005	DMED280005: The sum check error of the master key. Please confirm specified value, and try again.
3280006	DMED280006: Failed to back up the master authentication key. Please wait for a while and then try again.
3280007	DMED280007: The process cannot be performed because the SAS(SED) drives contain a blocked drive. Please recover, and try again.
3280009	DMED280009: The process cannot be performed because the RAID group whose drive type is SAS(SED) is defined. Please delete RAID group, and try again.
328000a	DMED28000A: The process cannot be performed because the DP pool whose drive type is SAS(SED) is defined. Please delete DP pool, and try again.
328000b	DMED28000B: The process cannot be performed because the spare drive whose drive type is SAS(SED) is defined. Please release spare drive, and try again.
328000c	DMED28000C: The specified password or restore information is invalid. Please confirm specified value, and try again.
328000d	DMED28000D: The specified restore information is invalid. Please confirm specified value, and try again.
328000e	DMED28000E: Failed to back up the master authentication key. Please wait for a while and then try again.
328000f	DMED28000F: The drive under Authenticating SEDs exists. Please retry after authenticating completes.
3280010	DMED280010: The process cannot be performed because the RAID group contains an un-mounted SAS(SED) drive or a blocked SAS(SED) drive. Please recover and then try again.
3280011	DMED280011: The process cannot be performed because the DP pool contains an un-mounted SAS(SED) drive or a blocked SAS(SED) drive. Please recover and then try again.
3280012	DMED280012: The process cannot be performed because the spare drive contains an un-mounted SAS(SED) drive or a blocked SAS(SED) drive. Please recover and then try again.
3280013	DMED280013: The process cannot be performed because the serial number of the specified file is different from the subsystem. Please confirm the file name, and try again.
3280014	DMED280014: The process cannot be performed because the restoration information on the specified file is older than that of the subsystem. Please confirm the file name, and try again.

Error Code	Description
3280015	DMED280015: The process cannot be performed because the dummy file is specified. Please confirm the file name, and try again.
3280016	DMED280016: The process cannot be performed because the authentication is not executed. Please restore the master authentication key, and try again.
3280050	DMED280050: The process cannot be performed because the drives to which encryption is enabled exist in specified drives. Please remove the assigned key or specify the drives to which encryption is disabled and try again.
3280051	DMED280051: The process cannot be performed because the specified drive contain the drive of deleting encryption keys. Please specify the drives to which encryption is disabled or wait a moment and try again.
3280052	DMED280052: The process cannot be performed because the encryption keys are creating or deleting. Please wait a moment and then try again.
3280053	DMED280053: The unification cannot be performed because the encryption status is different. Please confirm the encryption status and try again.
3280054	DMED280054: The process cannot be performed because the I/O Module(Drive) does not support Data At Rest Encryption. Please replace the I/O Module(Drive) and then try again.
3280055	DMED280055: The backup information of the encryption key was created.
3280056	DMED280056: The process cannot be performed because the encryption status of specified drives and RAID group are different. Please confirm the encryption status of drive and try again.
3280057	DMED280057: The process cannot be performed because the character length of password is outside the effective range. Please confirm password and try again.
3280058	DMED280058: The process cannot be performed because the drive to which encryption is enabled exists. Please remove the assigned key of drives and try again.
3280059	DMED280059: The process cannot be performed because the number of encryption keys reached the maximum. Please confirm the number of encryption keys and try again.
328005a	DMED28005A: The process cannot be performed because the drives to which encryption is enabled exist in specified drives. Please confirm the status of encryption and try again.
328005b	DMED28005B: The specified drives are not blocked drives in the RAID group or DP pool to which encryption is enabled. Please confirm the specified drive and try again.
328005c	DMED28005C: The process cannot be performed because the encryption keys are insufficient. Please create the encryption keys and try again.
328005d	DMED28005D: The process cannot be performed because the subsystem is under diagnosis process. Please wait a moment and then try again.
328005e	DMED28005E: The process cannot be performed because the drives that are not assigned encryption key exist in specified drives. Please confirm the status of encryption and try again.

Error Code	Description
328005f	DMED28005F: The process cannot be performed because the encryption keys are an unusable status. Please set the encryption environment and then try again.
3280060	DMED280060: The process cannot be performed because the encryption keys generated place is set up. Please remove the setting of encryption keys generated place and then try again.
3280061	DMED280061: The process cannot be performed because the encryption status of the specified RAID group differs from RAID group to which DM-LU belongs. Please confirm the RAID group and try again.
3280062	DMED280062: In the specified information, it is not changed from the current environment. Please confirm the specified information and try again.
3280063	DMED280063: The process cannot be performed because the invalid character of password is specified. Please confirm password and try again.
3280064	DMED280064: Failed to back up the encryption key. Please try again backing up.
3280065	DMED280065: Failed to back up the encryption key. Please try again backing up.
3280066	DMED280066: The process cannot be performed because the encryption keys have been changed. Please try again backing up.
3280067	DMED280067: The process cannot be performed because the size of specified backup file of an encryption key is not the same. Please confirm the file and then try again.
3280068	DMED280068: The process cannot be performed because specified backup file of an encryption key is older than that of the subsystem. Please confirm the file and then try again.
3280069	DMED280069: The process cannot be performed because specified backup file of an encryption key is the file of different subsystem. Please confirm the file and then try again.
328006a	DMED28006A: The process cannot be performed because specified backup file of an encryption key or specified password is invalid. Please confirm the file or password and then try again.
328006b	DMED28006B: The process cannot be performed because the encryption keys generated place is not set and encryption keys back up to/restore from are File or Key Management Server. Please confirm the encryption keys generated place and encryption keys back up to/restore from and then try again.
328006c	DMED28006C: The process cannot be performed because encryption keys back up to/restore from has been set to File. Please confirm encryption keys back up to/restore from and then try again.
328006d	DMED28006D: The process cannot be performed because the IP address or host name is not specified. Please specify IP address or host name and then try again.
328006e	DMED28006E: The process cannot be performed because specified backup key on key management server is invalid. Please confirm the backup key on key management server and then try again.

Error Code	Description
328006f	DMED28006F: The process cannot be performed because the size of specified backup key on key management server is not the same. Please confirm the backup key on key management server and then try again.
3280070	DMED280070: The process cannot be performed because specified backup key on key management server is older than that of the subsystem. Please confirm the backup key on key management server and then try again.
3280071	DMED280071: The process cannot be performed because specified backup key on key management server is the data of different subsystem. Please confirm the backup key on key management server and then try again.
3280072	DMED280072: The process cannot be performed because the Encryption Status is enabling or disabling. Please confirm the Encryption Status is enabled or disabled and then try again.
3280073	DMED280073: Setting start directions of encryption environment were successful.
3280074	DMED280074: The process cannot be performed because Encryption Keys Back Up to/Restore from has been changed. Please confirm Encryption Keys Back Up to/Restore from and then try again.
3280075	DMED280075: Creation start directions of the encryption key were successful.
3280076	DMED280076: The process cannot be performed because the encryption keys are creating by Key Management Server. Please wait for a while and then try again.
3280077	DMED280077: The process cannot be performed because [Protect the Volumes by the Key Management Server] is enabling or disabling. Please confirm [Protect the Volumes by the Key Management Server] is enabled or disabled and then try again.
3280078	DMED280078: The process cannot be performed because Encryption Keys Generated on has been changed. Please confirm Encryption Keys Generated on and then try again.
3280079	DMED280079: The process cannot be performed because IP Address/Host Name on Key Management Server has been changed. Please confirm IP Address/Host Name on Key Management Server and then try again.
328007a	DMED28007A: The process cannot be performed because the specified operation was time-out. Please confirm the LAN environment and then try again.
328007b	DMED28007B: The process cannot be performed because the same IP Address/Host Name is specified as the Primary Server and the Secondary Server. Please specify the different IP Address/Host Name.
328007c	DMED28007C: The process cannot be performed because the subsystem is restarted. Please try again.
328007d	DMED28007D: The process cannot be performed because the encryption key is invalid. Please try again.
328007e	DMED28007E: The import key from Key Management Server is unnecessary. Please confirm the subsystem status.

Error Code	Description
328007f	DMED28007F: The process cannot be performed because status of the Secondary Server is disabled. Please set status of the Secondary Server to enable and try again.
3280080	DMED280080: Failed to setting the encryption environment. Please try again.
3280081	DMED280081: The process cannot be performed because [Protect the Volumes by the Key Management Server] is enabled. Please set [Protect the Volumes by the Key Management Server] to disable and try again.
3280082	DMED280082: The process cannot be performed because [Limited Encryption Keys Generated on to the Key Management Server] is enabled. Please confirm the subsystem status.
3280083	DMED280083: It is necessary to acquire a key from a key management server. Please confirm encryption environment and then try again.
3280084	DMED280084: The process cannot be performed because Key is not imported from the key management server. Please import key from the key management server and try again.
3280085	DMED280085: The process cannot be performed because the subsystem status is Booting with KMS. Please wait for a while and then try again.
3280086	DMED280086: It is not necessary to acquire a key from a key management server. Please confirm encryption environment and then try again.
3280087	DMED280087: The process cannot be performed because the client certificate or the root certificate is not set up. Please set the client certificate and the root certificate and then try again.
3280088	DMED280088: The process cannot be performed because the Encryption Status is disabled or disabling. Please set the encryption environment to enable and then try again.
3280089	DMED280089: The process cannot be performed because the Secondary Server Status has been changed. Please confirm the Secondary Server Status and then try again.
3290000	DMED290000: The process cannot be performed because the status of migration is Checking or Switching Array. Please wait a moment and then try again.
3290001	DMED290001: The process cannot be performed because the status of migration is not Ready to Switch Array. Please array switch propriety check and then try again.
3290002	DMED290002: The process cannot be performed because Migration Mode is Migration. Please execute the operation after the migration is completed.
3290003	DMED290003: The process cannot be performed because the remote path is not defined. Please set remote path and try again.
3290004	DMED290004: The process cannot be performed because the remote path is set up with unsupported array. Please confirm the array and try again.
3300001	DMED300001: The serial number or equipment ID cannot be changed because the path information and pair information do not exist.

Error Code	Description
3300002	DMED300002: The serial number or equipment ID cannot be changed because the path information and pair information do not exist.
3300005	DMED300005: The specified serial number or equipment ID is incorrect. Specify digits (0-9).
3300006	DMED300006: The specified serial number or equipment ID is incorrect. Please specify a right serial number or equipment ID.
3300007	DMED300007: The specified serial number or equipment ID is incorrect. Please specify a right serial number or equipment ID.
3300008	DMED300008: 0 is specified as 6 figures of low order of the serial number or equipment ID. Please specify a right serial number or equipment ID.
3300009	DMED300009: The same serial number or equipment ID as a self subsystem is specified. Please specify the serial number or equipment ID of connected subsystem.
330000a	DMED30000A: The same equipment ID as a self subsystem is specified. Specify the equipment ID of connected subsystem.
330000b	DMED30000B: Processing cannot be performed because a fibre channel port has not been installed. Check the port type, and then try again.
330000c	DMED30000C: A value differs from current value is specified as 1 figures of high order of the serial number or equipment ID. Please specify a right serial number or equipment ID.
330000d	DMED30000D: The process cannot be performed because the specified array ID is not set to Remote Replication pair, remote path or remote port CHAP information (Target information). Please confirm the array ID and try again.
330000e	DMED30000E: The array ID before and behind change is the same. Please specify a right array ID.
33b0011	DMED3B0011: The firmware cannot be downgraded because the non-supported interface board is equipped on the downgraded version. Please retry by using firmware in relation to this interface board.
33b0012	DMED3B0012: A downgrade cannot be performed because a segment size of 64 KB or more has been set. Check the cache partition, and then try again.
33b0013	DMED3B0013: A downgrade cannot be performed because a stripe size of 64 KB or more has been set. Check the stripe size of the LU, and then try again.
33b0014	DMED3B0014: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again.
33b0015	DMED3B0015: The downgrade cannot be performed because the array device was not restarted after the option using the data pool was unlocked or enabled. Please restart the array device, and then try again.
33b0016	DMED3B0016: The micro program cannot be downgraded because the target(s) or CHAP user(s) is not initialized. Initialize the target(s) and CHAP user(s), and then retry the operation.

Error Code	Description
33b0018	DMED3B0018: The micro program cannot be downgraded because a pair with an MU number other than 0 exists in a ShadowImage S-VOL. Cancel the pair with an MU number other than 0, and then retry the operation.
33b0019	DMED3B0019: The firmware cannot be downgraded because the pair with MU number of 14 or more exists in SnapShot logical unit. Please cancel the pair with MU number of 14 or more and try again.
33b001a	DMED3B001A: The firmware cannot be downgraded because P-VOL with 15 or more SnapShot logical unit exists. Please delete SnapShot logical unit to 14 or less, and try again.
33b001b	DMED3B001B: The firmware cannot be downgraded because the user LU is being used as the pair of Remote Replication. Please cancel the pair and try again.
33b001c	DMED3B001C: The micro program cannot be downgraded because a migrated LU exists. Please migrate the LU again.
33b001d	DMED3B001D: The downgrade cannot be performed because the volume migration function is unlocked. Lock it, and then try again.
33b001e	DMED3B001E: The firmware cannot be downgraded because Remote Replication is unlocked. Please lock the option and try again.
33b001f	DMED3B001F: The downgrade cannot be performed because The Account Authentication function is unlocked. Lock it, and then try again.
33b0020	DMED3B0020: The low-power functionality has been locked. Unlock the function, and then try again.
33b0021	DMED3B0021: The micro program cannot be downgraded because the NNCtype2 is equipped. Confirm the configuration.
33b0022	DMED3B0022: The process cannot be performed because the remote path is set up with the array currently connected at the other end. Please delete the remote path and try again.
33b0023	DMED3B0023: The firmware cannot be downgraded because the 8Gbps fibre interface board is equipped. Please retry by using firmware in relation to this interface board.
33b0024	DMED3B0024: The process cannot be performed because the remote path is set up with the array currently connected at the other end. Please delete the remote path and try again.
33b0025	DMED3B0025: The process cannot be performed because the remote path is set up with the array currently connected at the other end. Please delete the remote path and try again.
33b0100	DMED3B0100: The process cannot be performed because the firmware is being replaced. Please wait a moment and then try again.
33b0101	DMED3B0101: The process cannot be performed because the firmware is being replaced. Please wait a moment and then try again.
33b0102	DMED3B0102: The process cannot be performed because the system drive type is unknown. Replace the system drive with SAS or SATA drive and try again.

Error Code	Description
33b0103	DMED3B0103: The firmware replacement cannot be performed because the controller 1 is specified. Please replace the firmware from the controller 0. Or the subsystem may have been rebooted during the firmware replacement. Please replace the firmware again, if the firmware revision is not matched between both controllers.
33b0104	DMED3B0104: The firmware replacement cannot be performed because firmware replacement of another controller is not completed and the access from hosts is not received. Please perform firmware replacement of this controller again after performing firmware replacement of another controller and completing.
33b0106	DMED3B0106: The firmware cannot be downgraded because in the I/O Switch ShadowImage pairs that share the P-VOL, the pair of Paired exists. Please change the ShadowImage I/O Switch Mode to disable or change to states other than Paired and try again.
33b0107	DMED3B0107: The firmware cannot be downgraded because the non-supported interface board is equipped on the downgraded version. Please retry by using firmware in relation to this interface board.
33b0108	DMED3B0108: The firmware replacement cannot be performed because the erasure of store data is in progress. Please retry after the process completes.
33b0109	DMED3B0109: The process cannot be performed because the Side Card is detached. Please recover the Side Card and then try again.
33b010a	DMED3B010A: The firmware cannot be downgraded because the non-supported interface board is equipped on the downgraded version. Please retry by using firmware in relation to this interface board.
33b010b	DMED3B010B: The firmware cannot be downgraded in the single-controller system. Please change to dual-controller system and try again.
33b010c	DMED3B010C: The process cannot be performed because the PS of Dense84 units is not normal state. Please recover the status and then try again.
33b010d	DMED3B010D: The process cannot be performed because the fan of Dense84 units is not normal state. Please recover the status and then try again.
33b010e	DMED3B010E: The firmware cannot be downgraded because the non-supported cache memory is equipped on the downgraded version. Please retry by using firmware in relation to this cache memory.
33b010f	DMED3B010F: The process cannot be performed because the RAID groups in state of Power Saving with I/O link are existing. Please spin up and try again.
33b0110	DMED3B0110: The firmware cannot be downgraded because the logical units in state of DP optimization are existing. Please try again, after DP optimization is completed.
33b0111	DMED3B0111: The firmware cannot be downgraded because the status is not Not Checked. Please restart the subsystem and then try again.
33b0201	DMED3B0201: The process cannot be performed because Data Retention Utility is installed. Please de-install the option and try again.

Error Code	Description
33b0301	DMED3B0301: Failed to download the ENC firmware. Please replace the controller that is detached and try again.
33c1101	DMED3C1101: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again.
33c1164	DMED3C1164: The firmware cannot be downgraded because the non-supported controller is equipped on the downgraded version. Please retry by using firmware in relation to this controller.
33c1211	DMED3C1211: The firmware cannot be downgraded because the RAID group expansion is now occurring or the RAID group containing unified LU is executed expansion. Please retry after expansion is completed.
33c1212	DMED3C1212: The firmware cannot be downgraded because ShadowImage pair of Split Pending or Paired Internally Synchronizing exists. Please retry after status is changed to Split or Paired.
33c1214	DMED3C1214: The firmware cannot be downgraded because the Dense Units are connected. Please retry after removing the Dense units or by using another firmware.
33c1215	DMED3C1215: The firmware cannot be downgraded because S-VOL of ShadowImage pair is under formatting. Please retry after formatting is completed.
33c1216	DMED3C1216: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again.
33c1217	DMED3C1217: The firmware cannot be downgraded because Distributed Mode is Hub. Please change the Distributed Mode to Edge and try again.
33c1218	DMED3C1218: The firmware cannot be downgraded because Dynamic Provisioning is installed. Please change Dynamic Provisioning to de-installed and try again.
33c1219	DMED3C1219: The firmware cannot be downgraded because the user whose user authentication is RADIUS exists. Please delete the user whose user authentication is RADIUS and try again.
33c121a	DMED3C121A: The firmware cannot be downgraded because the number of registered account exceeded the maximum value that can be supported on the downgraded version. Please confirm the number of registered account and try again.
33c121b	DMED3C121B: The firmware cannot be downgraded because the command device that uses the logical unit in the DP pool exists. Please release the command device that uses the logical unit in the DP pool and try again.
33c121c	DMED3C121C: The firmware cannot be downgraded because the DM-LU that uses the logical unit in the DP pool exists. Please release the DM-LU that uses the logical unit in the DP pool and try again.
33c121e	DMED3C121E: The firmware cannot be downgraded because Tape Replication is installed. Please change Tape Replication to de-installed and try again.
33c121f	DMED3C121F: The firmware cannot be downgraded because the number of connected subsystem exceeded the maximum value that can be

Error Code	Description
	supported on the downgraded version. Please remove drives or use another firmware and then try again.
33c1220	DMED3C1220: The firmware cannot be downgraded because the Volume Migration pair that uses the logical unit in the DP pool exists. Please release the pair and try again.
33c1221	DMED3C1221: The firmware cannot be downgraded because the state of DP optimization is optimizing. Please try again, after DP optimization is completed. When the state of DP optimization is failed, cancel DP optimization and then try again.
33c1222	DMED3C1222: The firmware cannot be downgraded because SSD is mounted. Please remove SSD or use another firmware and then try again.
33c1223	DMED3C1223: The firmware cannot be downgraded because the number of connected Dense units exceeded the maximum value that can be supported on the downgraded version. Please remove the Dense units or use another firmware and then try again.
33c1224	DMED3C1224: The firmware cannot be downgraded because the updating of DP management information is in progress. Please wait a moment and then try again.
33c1225	DMED3C1225: The firmware cannot be downgraded because Advanced Security Mode is enabled. Please change Advanced Security Mode to disabled and try again.
33c1227	DMED3C1227: The firmware cannot be downgraded because the SAS drives are mounted in the Dense Units. Please remove the SAS drives or use another firmware and then try again.
33c1228	DMED3C1228: The firmware cannot be downgraded because remote paths are set to an array whose H/W revision is 0200. Please delete remote paths and try again.
33c1229	DMED3C1229: The firmware cannot be downgraded because the logical unit in DP pool exists in a data pool. Please delete the data pool and then try again.
33c122a	DMED3C122A: The firmware cannot be downgraded because the logical unit in the DP pool is SnapShot pair. Please cancel the pair and then try again.
33c122b	DMED3C122B: The firmware cannot be downgraded because the logical unit in the DP pool is Remote Replication pair. Please cancel the pair and then try again.
33c122c	DMED3C122C: The firmware cannot be downgraded because the SAS7K drives are mounted. Please remove the SAS7K drives or use another firmware and then try again.
33c122d	DMED3C122D: The firmware cannot be downgraded because specified firmware is not supported on this subsystem. Please use the firmware which supported on this subsystem.
33c122e	DMED3C122E: The firmware cannot be downgraded because the memory reconfiguration is in progress or is failed. Please try again, after the memory reconfiguration is completed. When the memory reconfiguration is failed, please remove the cause of the error.

Error Code	Description
33c122f	DMED3C122F: The firmware cannot be downgraded because DP capacity mode is Maximum Capacity. Please change the DP capacity mode to Regular Capacity and try again.
33c1230	DMED3C1230: The firmware cannot be downgraded because in the ShadowImage pairs that share the P-VOL, more than two ShadowImage pairs are Paired, Synchronizing, Paired Internally Synchronizing, or Split Pending. Please split the remaining pairs after specifying one pair which continues a copy and try again.
33c1231	DMED3C1231: The firmware cannot be downgraded because in the ShadowImage pairs that share the P-VOL, the pair of Failure(S-VOL Switch) exists. Please cancel the ShadowImage pair of Failure(S-VOL Switch) and try again.
33c1232	DMED3C1232: The firmware cannot be downgraded because the RAID group which specified I/O monitoring time of Power Saving exists. When the state of Power Saving is Normal(Command Monitoring), please spin down after specifying 0 to I/O monitoring time and try again. When Power Saving does not need to be performed, please spin up and try again.
33c1233	DMED3C1233: The firmware cannot be downgraded because DP pool of the stripe size 64KB exists. Please delete DP pool of the stripe size 64KB and try again.
33c1234	DMED3C1234: The firmware cannot be downgraded because specified firmware is not supported on this subsystem. Please use the firmware which supported on this subsystem.
33c1235	DMED3C1235: The firmware cannot be downgraded because the logical unit to which Full Capacity Mode is enabled exists. Please disable Full Capacity Mode, and try again.
33c1236	DMED3C1236: The firmware cannot be downgraded because SAS(SED) drives are mounted. Please remove SAS(SED) drives or use another firmware and then try again.
33c1237	DMED3C1237: The firmware cannot be downgraded because the Standard(SFF) Units are connected. Please retry after removing the Standard(SFF) units or by using another firmware.
33c1238	DMED3C1238: The firmware cannot be downgraded because the DP pool is in progress. Please wait a moment and then try again.
33c1239	DMED3C1239: The firmware cannot be downgraded because P-VOL of ShadowImage and P-VOL of SnapShot is same logical unit or S-VOL of ShadowImage and P-VOL of SnapShot is the same logical unit. Please cancel the ShadowImage pair or SnapShot pair and try again.
33c123b	DMED3C123B: The firmware cannot be downgraded because Data At Rest Encryption is installed. Please change Data At Rest Encryption to de-installed and try again.
33c123c	DMED3C123C: The firmware cannot be downgraded because the ShadowImage pair whose MU number is 8 or more, or the SnapShot pair whose MU number is 32 or more exists. Please cancel the pair and try again.

Error Code	Description
33c123d	DMED3C123D: The firmware cannot be downgraded because over 2TB SATA drives are mounted. Please remove over 2TB SATA drives after deleting RAID groups or DP pools containing over 2TB SATA drives or use another firmware and then try again.
33c123e	DMED3C123E: The firmware cannot be downgraded because over 2TB SATA drives are mounted. Please remove over 2TB SATA drives after deleting RAID groups or DP pools containing over 2TB SATA drives or use another firmware and then try again.
33c123f	DMED3C123F: The firmware cannot be downgraded because the remote path is set up with the array currently connected at the other end. Please delete the remote path and try again.
33c1240	DMED3C1240: The firmware cannot be downgraded because the remote path is set up with the array currently connected at the other end. Please delete the remote path and try again.
33c1243	DMED3C1243: The firmware cannot be downgraded because Array Migration is installed. Please change Array Migration to de-installed and try again.
33c1244	DMED3C1244: The firmware cannot be downgraded because the Delayed Ack is disabled. Please change the Delayed Ack to enable and try again.
33c12fe	DMED3C12FE: The firmware cannot be downgraded because tape group backed up by append write exists. Please delete or discard tape groups, and try again.
33c12ff	DMED3C12FF: The firmware cannot be downgraded because tape group targeted differential backup or backed up differential exists. Please delete tape groups, and try again.
33d0001	DMED3D0001: The process cannot be performed because the drive firmware is being replaced. Please retry after replacement completes.
33e0001	DMED3E0001: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again.
33e0002	DMED3E0002: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again.
33e0003	DMED3E0003: The firmware cannot be downgraded because Modify Permission Coexistence Mode is enabled. Please change Modify Permission Coexistence Mode to disabled and try again.
33e0004	DMED3E0004: The firmware cannot be downgraded because the number of groups using Remote Replication pair exceeded the maximum value that can be supported on the downgraded version. Please reduce number of groups and try again.
33e0005	DMED3E0005: The firmware cannot be downgraded because the iSCSI connecting of TrueCopy Modular Distributed function is non-supported on the downgraded version. Please delete the remote path and unnecessary remote port CHAP information (Target information) and try again.
33e0006	DMED3E0006: The firmware cannot be downgraded because Dynamic Tiering is installed. Please change Dynamic Tiering to de-installed and try again.

Error Code	Description
33e0007	DMED3E0007: The firmware cannot be downgraded because Dynamic Tiering is not de-installed, or the subsystem is not restarted or the memory reconfiguration is not executed after Dynamic Tiering is de-installed. Please restart the subsystem or execute the memory reconfiguration after Dynamic Tiering is de-installed and try again. When the memory reconfiguration is in progress or is failed, please try again after the memory reconfiguration is completed or remove the cause of the error.
33e0008	DMED3E0008: The firmware cannot be downgraded because the memory reconfiguration is in progress or is failed. Please try again, after the memory reconfiguration is completed. When the memory reconfiguration is failed, please remove the cause of the error.
33e0009	DMED3E0009: The firmware cannot be downgraded because the number of connected Dense84 units exceeded the maximum value that can be supported on the downgraded version. Please remove the Dense84 units or use another firmware and then try again.
33e000a	DMED3E000A: The firmware cannot be downgraded because Remote Replication is installed. Please change Remote Replication to de-installed and try again.
33e000b	DMED3E000B: The firmware cannot be downgraded because the cascades of the SnapShot pair and the Remote Replication pair are 2 or more. Please change the cascade to 1 or less, and try again.
33e000c	DMED3E000C: The firmware cannot be downgraded because the DP pool that over provisioning limit enforcement is enabled exists. Please change over provisioning limit enforcement to disable or delete the DP pool, and try again.
33e000d	DMED3E000D: The firmware cannot be downgraded because the Dense84 units are connected. Please retry after removing the Dense84 units.
33e000e	DMED3E000E: The firmware cannot be downgraded because the drives in non-supported slot position are equipped on the downgraded version. Please retry after removing drives in non-supported slot position.
33e000f	DMED3E000F: The firmware cannot be downgraded because the units in non-supported position are connected on the downgraded version. Please retry after removing units.
33e0010	DMED3E0010: The firmware cannot be downgraded because Power Saving Plus is installed. Please change Power Saving Plus to de-installed and try again.
33e0011	DMED3E0011: The firmware cannot be downgraded because the DP pool to which Auto DP Optimize is enabled exists. Please disable Auto DP Optimize, and try again.
33e0012	DMED3E0012: The firmware cannot be downgraded because Command Queue Expansion Mode is enabled. Please change Command Queue Expansion Mode to disabled and try again.
33e0013	DMED3E0013: The firmware cannot be downgraded because over 400GB SSD is mounted. Please remove over 400GB SSD after deleting RAID groups or DP pools containing over 400GB SSD or use another firmware and then try again.

Error Code	Description
33e0014	DMED3E0014: The firmware cannot be downgraded because the logical units reserved by Persistent Reservation Type-7h/8h exist. Please stop the cluster software which will release the reserve of logical units and try again.
33e0015	DMED3E0015: The firmware cannot be downgraded because the logical unit to which disabling tier relocation is enabled exists. Please change disabling tier relocation to disable and try again.
33e0016	DMED3E0016: The firmware cannot be downgraded because Power Saving Plus is installed. Please change Power Saving Plus to de-installed and try again.
33e0017	DMED3E0017: The firmware cannot be downgraded because the packet filtering is enabled. Please change the packet filtering to disable and try again.
33e0018	DMED3E0018: The firmware cannot be downgraded because DP pool under shrinking capacity exists. Please cancel the shrink of DP pool capacity or wait for completion of the shrink of DP pool capacity and then try again.
33e0019	DMED3E0019: The firmware cannot be downgraded because there exists a DP pool with tier mode disabled and the drive type, RAID level or HDU combination are mixed, or there exists a DP pool with tier mode enabled and RAID level or HDU combination of the tier is mixed. When there is tier mode disabled DP pool, please delete DP pool or shrink the DP RAID group whose the drive type, RAID level or HDU combination does not match. When there is tier mode enabled DP pool, please delete DP pool or shrink the DP RAID group whose RAID level or HDU combination of the tier does not match. Please try again.
33e001a	DMED3E001A: The firmware cannot be downgraded because the DC power supply is equipped. Please retry by using firmware in relation to the DC power supply.
33e001b	DMED3E001B: The firmware cannot be downgraded because the Dense84 units and other than Dense84 units are connected. Please retry with same unit type.
33e001c	DMED3E001C: The firmware cannot be downgraded because Array Migration is installed. Please change Array Migration to de-installed and try again.
33e001d	DMED3E001D: The firmware cannot be downgraded because the I/O Module(Drive(Encryption)) is mounted. Please replace the I/O Module(Drive) or use another firmware and then try again.
33e001e	DMED3E001E: The firmware cannot be downgraded because over 3TB SAS7K drives are mounted. Please remove over 3TB SAS7K drives after deleting RAID groups or DP pools containing over 3TB SAS7K drives or use another firmware and then try again.
33e001f	DMED3E001F: The firmware cannot be downgraded because the memory reconfiguration is in progress or is failed. Please try again, after the memory reconfiguration is completed. When the memory reconfiguration is failed, please remove the cause of the error.
33e0020	DMED3E0020: The firmware cannot be downgraded because DP capacity mode is Maximum Capacity or the subsystem is not restarted or the memory reconfiguration is not executed after DP capacity mode is

Error Code	Description
	changed. Please change the DP capacity mode to Regular Capacity and then try again.
33e0021	DMED3E0021: The firmware cannot be downgraded because Tray Power Saving is installed. Please change Tray Power Saving to de-installed and try again.
33e0022	DMED3E0022: The firmware cannot be downgraded because the StandardF units are connected. Please retry after removing the StandardF units.
33e0023	DMED3E0023: The firmware cannot be downgraded because over 1.2TB SAS drives are mounted. Please remove over 1.2TB SAS drives and then try again.
33e0024	DMED3E0024: The firmware cannot be downgraded because the capacity of DP pool to which DM-LU belongs is being shrunk. Please retry after the process completes.
33e0025	DMED3E0025: The firmware cannot be downgraded because Data At Rest Encryption is installed. Please change Data At Rest Encryption to de-installed and try again.
33e0026	DMED3E0026: The firmware cannot be downgraded because the Encryption Keys Generated on is Key Management Server. Please set the Encryption Keys Generated on to Array and then try again.
33e0029	DMED3E0029: The firmware cannot be downgraded because the Delayed Ack is disabled. Please change the Delayed Ack to enable and try again.
3400001	DMED400001: Processing is not possible because the specified LUs include an unformatted LU. Make sure that the LU status is appropriate, and then retry.
3400002	DMED400002: Processing is not possible because the specified logical units contain a V-VOL of COW Snapshot. Confirm the logical unit status, and then try again.
3400003	DMED400003: Processing is not possible because at least one LU is being quick formatted. Make sure that the LU status is appropriate, and then retry.
3400004	DMED400004: Processing is not possible because the specified LUs include a subLU of the combined LUs. Make sure that the LU status is appropriate, and then retry.
3400005	DMED400005: Processing is not possible because the specified LUs include a disabled LU. Make sure that the LU status is appropriate, and then retry.
3400006	DMED400006: The specified LUs include a degenerating LU. Confirm the LU status, and then try again.
3400007	DMED400007: The process cannot be performed because ShadowImage, Remote Replication, or SnapShot is in progress. Please wait a moment and then try again.
3400008	DMED400008: A start or skip operation is specified at the same time as a cancel operation. Make sure that the specification is correct, and then retry.

Error Code	Description
3400009	DMED400009: Processing is not possible because the specified LUs include an undefined LU. Make sure that the LU status is appropriate, and then retry.
3400011	DMED400011: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry.
3400012	DMED400012: Processing is not possible because parity correction is not executed or has aborted. Wait until parity correction finishes, and then retry.
3400013	DMED400013: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry.
3400014	DMED400014: Processing is not possible because parity correction has not finished. Wait until it finishes, and then retry.
3400015	DMED400015: Processing is not possible because parity correction is not available or has aborted. Wait until parity correction has finished, and then retry.
3400021	DMED400021: The cancel operation cannot be specified for a parity-uncorrected LU. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400022	DMED400022: The start operation cannot be specified for an LU for which parity correction aborted. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400023	DMED400023: The cancel operation cannot be specified for an LU for which parity correction aborted. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400024	DMED400024: The start operation cannot be specified for an LU undergoing parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400025	DMED400025: The skip operation cannot be specified for an LU undergoing parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400026	DMED400026: The start operation cannot be specified for an LU waiting for parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400027	DMED400027: The skip operation cannot be specified for an LU waiting for parity correction. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400028	DMED400028: The cancel operation cannot be specified for an LU for which parity correction was skipped. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
3400029	DMED400029: The cancel operation cannot be specified for an LU for which parity correction has finished. Make sure that the parity correction status of the specified LU is appropriate, and then retry.
340002a	DMED40002A: The logical units are under quick formatting. Please the parity correction status and try again.
3410000	DMED410000: The slot number is outside the effective range. Please specify the slot number of effective range and try again.

Error Code	Description
3410001	DMED410001: The process cannot be performed because the specified controller and the execution controller are same. Please confirm the controller and try again.
3410002	DMED410002: The process cannot be performed because the status of the specified I/F module is not normal. Please confirm the I/F module and try again.
3410003	DMED410003: The process cannot be performed. Please confirm the version of the navigator.
3410004	DMED410004: The process cannot be performed because the slot both the controller 0 and controller 1 are not unequipped. Please confirm the status of slot and try again.
3410005	DMED410005: The process cannot be performed because the I/F module both the controller 0 and controller 1 are not normal. Please recover the status of I/F module and try again.
3410006	DMED410006: The process cannot be performed because removal is in progress. Please try again, after the removal is completed.
3410007	DMED410007: The process cannot be performed because additional is in progress. Please confirm the status of I/F module or interface board and try again.
3410008	DMED410008: The process cannot be performed because the preparation of adding is not started. Please start the preparation of adding and try again.
3410009	DMED410009: The process cannot be performed because the I/F module or interface board is unequipped. Please confirm the status of the I/F module or interface board and try again.
3410010	DMED410010: The process cannot be performed because the remote path is set up. Please delete the remote path and try again.
3410011	DMED410011: The process cannot be performed because the one or both of the slot of controller 0 and controller 1 are unequipped. Please confirm the status of slot and try again.
3410012	DMED410012: The process cannot be performed because Fibre Channel Option is de-installed. Please install the option and try again.
3410013	DMED410013: The process cannot be performed because addition is in progress. Please retry after the process completes.
3410014	DMED410014: The process cannot be performed because the one or both of the slot of controller 0 and controller 1 are unequipped. Please confirm the status of slot and try again.
3420000	DMED420000: The packet filtering cannot be disabled because the block port 80 is enabled. Please change block port 80 to disable and try again.
3500001	DMED500001: A command device is not registered. Register the command device, and then retry.
3600001	DMED600001: Processing is not possible because the specified LU is a cache resident LU or a reserved one. Disable the LU, and then try again.
3700001	DMED700001: The specified logical unit is not defined. Specify a defined logical unit.

Error Code	Description
3700002	DMED700002: The process cannot be performed because the status of pair is Simplex(SMPL). Confirm the LU status and try again.
3800002	DMED800002: A parameter error occurred. Check whether the set contents are correct.
3800004	DMED800004: The specified NNC number is not a NAS port. Check the port type.
3800005	DMED800005: Processing cannot be performed because BIOS is transmitting. Wait for the transmission to finish, and then try again.
3800006	DMED800006: Processing cannot be performed because the NAS OS is currently booting, shutting down, or is not ready. Check the status of the NAS OS, and then try again.
3800007	DMED800007: Processing cannot be performed because the BIOS is currently being upgraded. Wait for the upgrade to finish, and then try again.
3800008	DMED800008: Processing cannot be performed because the NAS OS installation has not finished. Please wait until it has finished, and then try again.
3800009	DMED800009: Processing cannot be performed because the other NNC is not active. Check the NNC status, and then try again.
3800011	DMED800011: Process cannot be performed because the NAS OS is running. Stop the NAS OS, and then try again.
3800013	DMED800013: Processing cannot be performed because the NAS OS is currently shutting down. Wait until shutdown has finished, and then retry the operation.
3800014	DMED800014: Processing cannot be performed because a NAS dump is being collected. Wait for collection to finish, and then try again.
3800015	DMED800015: Processing cannot be performed because the system LU is undefined. Define the system LU, and then try again.
3800016	DMED800016: A timeout occurred during installation. Re-insert the NNC breaker, and then try again.
3800017	DMED800017: A timeout occurred during installation. Re-insert the NNC breaker, and then try again.
3800019	DMED800019: Processing cannot be performed because the NAS OS is not in a stopped state. Stop the NAS OS, and then try again.
380001a	DMED80001A: Processing cannot be performed because the BIOS firmware is being updated. Wait for the update of the BIOS firmware to finish, and then try again.
380001b	DMED80001B: Processing cannot be performed because the NAS OS is blocked. Recover the status, and then try again.
3800020	DMED800020: An invalid IP address was specified. Specify a correct IP address.
3800021	DMED800021: A number outside the valid range was specified. Specify a correct number.

Error Code	Description
3800022	DMED800022: An MTU outside the valid range was specified. Specify a correct MTU.
3800023	DMED800023: An invalid negotiation has been specified. Specify a correct negotiation.
3800024	DMED800024: Processing cannot be performed because the NAS OS is not ready. Check the NAS OS status, and then try again.
3800025	DMED800025: Processing cannot be performed because the NNC management port is being set. Check the NAS OS status, and then try again.
3800026	DMED800026: The same IP address as that for the management port of the array device cannot be set. Specify a correct IP address.
3800027	DMED800027: Daylight savings time is not applicable for the specified time zone. Check the time zone.
3800029	DMED800029: Processing cannot be performed because the MTU values for the NNC are different. Set the same MTU values.
3800030	DMED800030: The setting is not possible because the specified IP address is the same as the current IP address of the NNC. Please specify another IP address, and then try again.
3800099	DMED800099: An error occurred during installation. Reboot NAS Setup, and then try again.
3900000	DMED900000: The process cannot be performed because the MT library is detached or not connected. Please confirm the MT library.
3900001	DMED900001: The process cannot be performed because the tape drive is detached or unequipped. Please confirm the tape drive.
3900002	DMED900002: The process cannot be performed because the MT library is busy. Please wait for a while and then try again.
3900003	DMED900003: The process cannot be performed because the barcode is incorrect. Please specify a correct barcode.
3900004	DMED900004: The process cannot be performed because the slot is detached or unequipped. Please confirm the slot.
3900005	DMED900005: The process cannot be performed because the tape group number is not created. Please specify a created tape group number.
3900006	DMED900006: The process cannot be performed because the data set does not exist. Please confirm the data set.
3900008	DMED900008: The process cannot be performed because the MT library is detached. Please confirm the status.
3900009	DMED900009: The process cannot be performed because there is no tape cartridge in the specified slot or the I/E port. Please confirm the slot or the I/E port.
390000a	DMED90000A: The process cannot be performed because the MT library is not connected. Please confirm the MT library.
390000c	DMED90000C: The process cannot be performed because the specified slot number is incorrect. Please confirm the slot number and try again.

Error Code	Description
390000d	DMED90000D: The process cannot be performed because there is no tape cartridge in the specified slot. Please confirm the slot.
390000e	DMED90000E: The process cannot be performed because the robotics is detached or unequipped. Please confirm the robotics.
3900012	DMED900012: The process cannot be performed because the specified tape cartridge cannot be used. Please confirm the status, and specify tape cartridges again.
3900013	DMED900013: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary tape groups or increase the cache memory.
3900014	DMED900014: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary tape groups or increase the cache memory.
3900015	DMED900015: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary tape groups or increase the cache memory.
3901000	DMED901000: The process cannot be performed because the specified tape group number is being used. Please confirm the tape group number.
3901001	DMED901001: The process cannot be performed because the tape cartridge is being used by another tape group. Please confirm the type, and specify tape cartridges again.
3901002	DMED901002: The process cannot be performed because the tape cartridge is already set as a spare tape cartridge. Please confirm the type, and specify tape cartridges again.
3901003	DMED901003: The process cannot be performed because the tape cartridge is a cleaning tape cartridge. Please confirm the type, and specify tape cartridges again.
3901004	DMED901004: The process cannot be performed because the tape cartridge type is different. Please confirm the tape cartridge type, and specify tape cartridges again.
3901005	DMED901005: The process cannot be performed because the tape cartridge type is not supported. Please confirm the tape cartridge type, and specify again.
3901006	DMED901006: The process cannot be performed because the number of tape cartridges is insufficient. Please confirm the number of specified tape cartridge type, and specify tape cartridges again.
3901007	DMED901007: The tape group with mirror cannot be created because there is only one tape drive that can use specified tape cartridge type in the MT library. Please add on a tape drive or specify the redundancy without mirror.
3901008	DMED901008: The process cannot be performed because the specified tape cartridge cannot be used. Please confirm the status, and specify tape cartridges again.
3901009	DMED901009: The tape group detail information is invalid.

Error Code	Description
390100b	DMED90100B: The process cannot be performed because there is no tape drive that can use specified tape cartridge type. Please add on a tape drive or specify the tape cartridge type again.
390100c	DMED90100C: The process cannot be performed because the encryption method is not supported. Please confirm the encryption method, and specify again.
390100e	DMED90100E: The process cannot be performed because the specified tape cartridge type does not support the encryption.
390100f	DMED90100F: The process cannot be performed because the tape cartridge type is not supported. Please confirm the tape cartridge type, and specify again.
3901010	DMED901010: The process cannot be performed because the filemark interval is not supported.
3901100	DMED901100: The process cannot be performed because the copy or restoration of logical unit is in progress. Please try again, after it is completed.
3901101	DMED901101: The process cannot be performed because the copy or restoration is in progress in the backup group. Please confirm the status of the tape group in the backup group.
3901102	DMED901102: The process cannot be performed because the status of another tape group in the backup group is illegal. Please confirm the status of the tape group in the backup group.
3902000	DMED902000: The process cannot be performed because the tape cartridge is being used by the tape group. Please confirm the type, and specify tape cartridges again.
3902001	DMED902001: The process cannot be performed because the tape cartridge is already set as a spare tape cartridge. Please confirm the type, and specify tape cartridges again.
3902002	DMED902002: The process cannot be performed because the number of spare tape cartridges of the MT library reached the maximum. Please release unnecessary spare tape cartridges.
3902003	DMED902003: The process cannot be performed because the tape cartridge is already added in the scratch group. Please confirm the type, and specify tape cartridges again.
3902100	DMED902100: The process cannot be performed because the tape cartridge is not set as a spare tape cartridge. Please confirm the type, and specify tape cartridges again.
3902101	DMED902101: The process cannot be performed because the recovery of spare tape cartridge is in progress. Please try again, after it is completed.
3902102	DMED902102: The process cannot be performed because the spare tape cartridge is not normal, logically detached, detached. Please confirm the status.
3902103	DMED902103: The process cannot be performed because the tape cartridge is not normal. Please confirm the status, and specify tape cartridges again.

Error Code	Description
3902104	DMED902104: The process cannot be performed because the tape cartridge type is not undefined. Please confirm the type, and specify tape cartridges again.
3902105	DMED902105: The process cannot be performed because the tape cartridge is not added in the scratch group. Please confirm the type, and specify tape cartridges again.
3903000	DMED903000: The process cannot be performed because a different direction of the movement is specified. Please specify the same direction.
3903001	DMED903001: The process cannot be performed because the source slot or the I/E port is unequipped. Please confirm the slot or the I/E port.
3903002	DMED903002: The process cannot be performed because the destination slot or the I/E port is unequipped. Please confirm the slot or the I/E port.
3903003	DMED903003: The process cannot be performed because the tape cartridge is moving. Please try again, after it is completed.
3903004	DMED903004: The process cannot be performed because the MT library is busy. Please wait for a while and then try again.
3903005	DMED903005: The process cannot be performed because the number of tape cartridges reached the maximum in one movement.
3903006	DMED903006: The process cannot be performed because the tape cartridge is not checked out. Please check out tape cartridges.
3903007	DMED903007: The process cannot be performed because the empty I/E port is insufficient. Please confirm the I/E port.
3903008	DMED903008: The process cannot be performed because differential bit map is insufficient. Please export unnecessary tape cartridges or delete unnecessary tape groups.
3904000	DMED904000: The process cannot be performed because the inventory is in progress. Please try again, after it is completed.
3904001	DMED904001: The process cannot be performed because the tape cartridge is being exported. Please confirm the status.
3904002	DMED904002: The process cannot be performed because the copy or restoration of logical unit is in progress. Please try again, after it is completed.
3904003	DMED904003: The process cannot be performed because differential bit map is insufficient. Please export unnecessary tape cartridges or delete unnecessary tape groups.
3905000	DMED905000: The process cannot be performed because there is no cleaning tape cartridge. Please import it.
3906000	DMED906000: The process cannot be performed because the specified MT library is already added. Please confirm the added MT library.
3906001	DMED906001: The process cannot be performed because the number of the MT libraries reached the maximum. Please delete unnecessary MT libraries.
3906002	DMED906002: The process cannot be performed because the number of robotics reached the maximum. Please delete unnecessary MT libraries.

Error Code	Description
3906003	DMED906003: The process cannot be performed because the number of tape drives reached the maximum. Please delete unnecessary MT libraries.
3906004	DMED906004: The process cannot be performed because the number of slots reached the maximum. Please delete unnecessary MT libraries.
3906005	DMED906005: The process cannot be performed because the number of I/E ports on a MT library reached the maximum. Please confirm the MT library.
3906006	DMED906006: The process cannot be performed because the specified MT library does not exist. Please confirm the available library to add.
3906007	DMED906007: The process cannot be performed because the number of robotics on a MT library reached the maximum. Please confirm the MT library.
3906008	DMED906008: The process cannot be performed because the number of tape drives on a MT library reached the maximum. Please confirm the MT library.
3906009	DMED906009: The process cannot be performed because the number of slots on a MT library reached the maximum. Please confirm the MT library.
390600a	DMED90600A: The process cannot be performed because the specified MT library number is being used. Please confirm the MT library number.
390600b	DMED90600B: The process cannot be performed because the number of robotics on a MT library reached the maximum. Please confirm the MT library.
390600c	DMED90600C: The process cannot be performed because the number of tape drives on a MT library reached the maximum. Please confirm the MT library.
390600d	DMED90600D: The process cannot be performed because the number of slots on a MT library reached the maximum. Please confirm the MT library.
390600e	DMED90600E: The process cannot be performed because Cartridge Cell License is insufficient. Please install enough Cartridge Cell License and then try again.
3906100	DMED906100: The process cannot be performed because the MT library status is waiting connection or connecting. Please confirm the status.
3906101	DMED906101: The process cannot be performed because the inventory is in progress. Please try again, after it is completed.
3906102	DMED906102: The process cannot be performed because the tape cartridge is moving. Please try again, after it is completed.
3906103	DMED906103: The process cannot be performed because the tape cartridge is being cleaned. Please try again, after it is completed.
3906104	DMED906104: The process cannot be performed because the copy is in progress. Please try again, after it is completed.
3906105	DMED906105: The process cannot be performed because the restoration is in progress. Please try again, after it is completed.

Error Code	Description
3907000	DMED907000: The process cannot be performed because the specified port is used by MT library. Please confirm the specification of the port.
3908000	DMED908000: The process cannot be performed because the logical unit is copied to the tape cartridge. Please confirm the copy status of the logical unit.
3908001	DMED908001: The process cannot be performed because the logical unit is copied to the tape cartridge. Please confirm the copy status of the logical unit.
3908002	DMED908002: The process cannot be performed because Tape Replication is installed. Please change Tape Replication to de-installed and then try again.
3908003	DMED908003: The process cannot be performed because the restoration is in progress. Please try again, after it is completed. Or, please cancel it and then try again.
3909000	DMED909000: The process cannot be performed because the tape drive is being used. Please confirm the status.
3909100	DMED909100: The process failed due to an invalid parameter. Confirm the specified value.
3909101	DMED909101: The process cannot be performed because the tape group is already defined. Please delete the tape group.
3909102	DMED909102: The process cannot be performed because the tape cartridge exists in the MT library. Please export the tape cartridge.
3909103	DMED909103: The process cannot be performed because other users performed the TR constitution backup or restoration. Please wait for a while and then try again.
3909104	DMED909104: The process cannot be performed because the TR constitution file version is incorrect. Please specify a correct file.
3909105	DMED909105: The process cannot be performed because the TR constitution file version is incorrect. Please specify a correct file.
3909106	DMED909106: The process failed due to an invalid parameter. Confirm the specified value.
3909107	DMED909107: The tape group detail information is invalid.
3909108	DMED909108: The tape group detail information is invalid.
3909109	DMED909109: The tape group detail information is invalid.
390910a	DMED90910A: The tape group detail information is invalid.
390910b	DMED90910B: The tape group detail information is invalid.
390910c	DMED90910C: The tape group detail information is invalid.
390910d	DMED90910D: The tape group detail information is invalid.
390910e	DMED90910E: The tape group detail information is invalid.
390910f	DMED90910F: The tape group detail information is invalid.
3909110	DMED909110: The tape group detail information is invalid.

Error Code	Description
3909111	DMED909111: The process failed due to an invalid parameter. Confirm the specified value.
3909112	DMED909112: The process cannot be performed because an error occurred in the subsystem. Please confirm the subsystem status, and try again.
3909113	DMED909113: The process cannot be performed because the version is unmatch between the micro program and the Storage Navigator Modular. Please match the version.
3909114	DMED909114: The tape group detail information is invalid.
3909115	DMED909115: The process cannot be performed because other users changed the TR constitution information. Please wait for a while and then try again.
3909120	DMED909120: The tape information is invalid.
3909121	DMED909121: The tape information is invalid.
3909122	DMED909122: The tape information is invalid.
3909123	DMED909123: The tape information is invalid.
3909124	DMED909124: The tape information is invalid.
3909125	DMED909125: The tape information is invalid.
3909126	DMED909126: The tape information is invalid.
3909127	DMED909127: The tape information is invalid.
3909128	DMED909128: The tape information is invalid.
3909129	DMED909129: The tape information is invalid.
390912a	DMED90912A: The tape information is invalid.
390912b	DMED90912B: The tape information is invalid.
390912c	DMED90912C: The tape information is invalid.
390912d	DMED90912D: The tape information is invalid.
390912e	DMED90912E: The tape group detail information is invalid. Please specify a correct file.
390912f	DMED90912F: The tape information is invalid. Please specify a correct file.
3909132	DMED909132: The process cannot be performed because the tape group is already defined. Please delete the tape group.
3909133	DMED909133: The process cannot be performed because the tape cartridge exists in the MT library. Please export the tape cartridge.
3909134	DMED909134: The tape group detail information is invalid.
3909135	DMED909135: The tape group detail information is invalid.
3909136	DMED909136: The tape group detail information is invalid.
3909137	DMED909137: The tape group detail information is invalid.

Error Code	Description
3909138	DMED909138: The tape group detail information is invalid.
3909139	DMED909139: The tape group detail information is invalid.
3909140	DMED909140: The tape group detail information is invalid.
3909141	DMED909141: The tape group detail information is invalid.
3909142	DMED909142: The tape group detail information is invalid.
3909143	DMED909143: The tape group detail information is invalid.
3909144	DMED909144: The tape information is invalid.
3909145	DMED909145: The tape information is invalid.
3909146	DMED909146: The tape information is invalid.
39091ff	DMED9091FF: An internal program error occurred in the Tape Replication function. Contact the service personnel.
3909201	DMED909201: The data set detail information is invalid.
3909202	DMED909202: The data set detail information is invalid.
3909203	DMED909203: The data set detail information is invalid.
3909204	DMED909204: The data set detail information is invalid.
3909205	DMED909205: The data set detail information is invalid.
3909206	DMED909206: The data set detail information is invalid.
3909207	DMED909207: The data set detail information is invalid.
3909208	DMED909208: The data set detail information is invalid.
3909209	DMED909209: The data set detail information is invalid.
390920a	DMED90920A: The data set detail information is invalid.
390920b	DMED90920B: The data set detail information is invalid.
390920c	DMED90920C: The data set detail information is invalid.
390920d	DMED90920D: The data set detail information is invalid.
390920e	DMED90920E: The data set detail information is invalid.
390920f	DMED90920F: The data set detail information is invalid.
3909210	DMED909210: The data set detail information is invalid.
3909211	DMED909211: The data set detail information is invalid.
3909212	DMED909212: The data set detail information is invalid.
3909213	DMED909213: The process failed due to an invalid parameter. Confirm the specified value.
3909214	DMED909214: The data set detail information is invalid.
3909221	DMED909221: The process cannot be performed because the TR constitution file version is incorrect. Please specify a correct file.
3909222	DMED909222: The data set number is doubled.

Error Code	Description
3909223	DMED909223: The process cannot be performed because other users changed the TR constitution information. Please wait for a while and then try again.
3909224	DMED909224: The process cannot be performed because other users changed the TR constitution information. Please wait for a while and then try again.
3909225	DMED909225: The process cannot be performed because the cache memory size is insufficient. Please increase the cache memory or delete unnecessary tape groups.
3909226	DMED909226: The process cannot be performed because the cache memory size is insufficient. Please increase the cache memory or delete unnecessary tape groups.
390a000	DMED90A000: The process failed due to an invalid parameter. Confirm the specified value.
390a001	DMED90A001: The process failed due to an invalid parameter. Confirm the specified value.
390a002	DMED90A002: The process cannot be performed because the number of tape cartridges is incorrect. Please specify a correct number.
390b001	DMED90B001: The process failed due to an invalid parameter. Confirm the specified value.
390b002	DMED90B002: The process cannot be performed because the tape group number is not created. Please specify a created tape group number.
390b003	DMED90B003: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group.
390b004	DMED90B004: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group.
390b005	DMED90B005: The process cannot be performed because the specified logical unit is reserved for other request. Please confirm the logical unit.
390b006	DMED90B006: The process cannot be performed because the tape group cannot be used. Please create the tape group again.
390b007	DMED90B007: The process cannot be performed because the specified tape group is not mirror. Please create the tape group with mirror and then try again.
390b00a	DMED90B00A: The process failed due to an invalid parameter. Confirm the specified value.
390b00b	DMED90B00B: The process cannot be performed because the logical unit is not defined. Please confirm the logical unit.
390b00c	DMED90B00C: The process cannot be performed because the logical unit is a logical unit in the DP pool. Please confirm the logical unit.
390b00d	DMED90B00D: The process cannot be performed because the specified logical unit is DM-LU. Please specify another logical unit and try again.
390b00e	DMED90B00E: The process cannot be performed because the specified logical unit is the system LU. Please specify another logical unit and try again.

Error Code	Description
390b00f	DMED90B00F: The process cannot be performed because the specified logical unit is a command device. Please specify another logical unit and try again.
390b010	DMED90B010: The specified LU is unformatted. Specify a formatted LU and try again.
390b011	DMED90B011: The process cannot be performed because the logical unit is neither in normal nor in regressed state. Please confirm the status of the logical unit.
390b012	DMED90B012: The process cannot be performed because the specified logical unit is a Sub LU of the unifying LUs. Please specify another logical unit and try again.
390b013	DMED90B013: The process cannot be performed because the destination logical unit capacity is smaller than the source logical unit. Please specify the logical unit of the same capacity and try again.
390b015	DMED90B015: The process cannot be performed because the logical unit number is doubled. Please specify the different logical unit number.
390b016	DMED90B016: The process cannot be performed because the specified logical unit does not exist in the tape group. Please confirm the logical unit in the tape group.
390b017	DMED90B017: The process cannot be performed because the destination logical unit capacity is larger than the source logical unit. Please permit Restore to Difference LU Capacity and then try again.
390b018	DMED90B018: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit.
390b019	DMED90B019: The process cannot be performed because the pair attribute of the logical unit is P-VOL. Please confirm the logical unit.
390b01a	DMED90B01A: The process cannot be performed because the pair status of the logical unit is Simplex(SMPL). Please confirm the pair status of the logical unit.
390b01b	DMED90B01B: The process cannot be performed because the logical unit is executing the migration. Please confirm the logical unit.
390b01c	DMED90B01C: The process cannot be performed because the access level is set to the logical unit. Please confirm the logical unit.
390b01d	DMED90B01D: The RAID group, to which the specified logical unit belongs, is Power Saving. Please spin up the RAID groups and then try again.
390b01e	DMED90B01E: The process failed due to an invalid parameter. Confirm the specified value.
390b020	DMED90B020: The process cannot be performed because the segment size of logical unit is too small. Please specify logical unit of a larger segment size than the 8KB and then try again.
390b021	DMED90B021: The process cannot be performed because the size of logical unit is too large. Please specify logical unit of a smaller size than the 16TB and then try again.

Error Code	Description
390b022	DMED90B022: The process cannot be performed because the logical unit is the reserve LU. Please delete the reserve LU or specify another logical unit and try again.
390b023	DMED90B023: The process cannot be performed because the RAID group that belongs the specified logical unit is executing expansion. Please try again, after it is completed.
390b024	DMED90B024: The process cannot be performed because the specified logical unit is a logical unit in the DP pool. Please specify another logical unit and try again.
390b028	DMED90B028: The process cannot be performed because the copy or restoration is in progress. Please try again, after it is completed.
390b029	DMED90B029: The process cannot be performed because the copy or restoration is in progress. Please try again, after it is completed.
390b02a	DMED90B02A: The process cannot be performed because the tape group is not backed up. Please specify tape group which is backed up and try again.
390b032	DMED90B032: The process cannot be performed because the MT library is busy. Please wait for a while and then try again.
390b047	DMED90B047: The process failed due to an invalid parameter. Confirm the specified value.
390b048	DMED90B048: The process failed due to an invalid parameter. Confirm the specified value.
390b049	DMED90B049: The process failed due to an invalid parameter. Confirm the specified value.
390b04d	DMED90B04D: The process cannot be performed because the tape group is not encrypted. Please confirm the tape group.
390b04e	DMED90B04E: The process cannot be performed because the tape group is encrypted.
390b04f	DMED90B04F: The process cannot be performed because the tape group is encrypted.
390b050	DMED90B050: The process cannot be performed because the micro program revision is new. Please update Navigator.
390b051	DMED90B051: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group.
390b052	DMED90B052: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group.
390b053	DMED90B053: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group.
390b054	DMED90B054: The process cannot be performed because the status of the logical unit is illegal. Please confirm the status of the logical unit.
390b055	DMED90B055: The process cannot be performed because the status of the logical unit is illegal. Please confirm the status of the logical unit.
390b056	DMED90B056: The process failed due to an invalid parameter. Please confirm the specified value.

Error Code	Description
390b05b	DMED90B05B: An error occurred in the subsystem.
390b05c	DMED90B05C: The process cannot be performed because the cache memory size is insufficient. Please increase the cache memory or delete unnecessary tape groups.
390b05d	DMED90B05D: The process cannot be performed because the tape group is encrypted.
390b05e	DMED90B05E: The process cannot be performed because the MT library is busy. Please wait for a while and then try again.
390b064	DMED90B064: The process cannot be performed because the import is in progress. Please try again, after it is completed.
390b065	DMED90B065: The specified function is not supported. Please confirm the subsystem.
390b066	DMED90B066: The process cannot be performed because the TR constitution restoration is in progress. Please try again, after it is completed.
390b06e	DMED90B06E: An internal program error occurred in the Tape Replication function. Contact the service personnel.
390b0c8	DMED90B0C8: The process failed due to an invalid parameter. Confirm the specified value.
390b0c9	DMED90B0C9: The process cannot be performed because the logical unit is not targeted differential backup. Please confirm the logical unit.
390b0cb	DMED90B0CB: The process cannot be performed because the specified tape group has set to not backup by append write. Please specify another tape group and then try again.
390b0cc	DMED90B0CC: The process cannot be performed because the logical unit is not used by this differential backup. Please confirm the logical unit.
390b0cd	DMED90B0CD: The process cannot be performed because the copy is in progress in the tape group. Please try again, after it is completed.
390b0ce	DMED90B0CE: The process cannot be performed because the number of logical units in the tape group reached the maximum. Please discard unnecessary data sets or specify another tape group and try again.
390b0d0	DMED90B0D0: The process cannot be performed because the number of data sets in the system reached the maximum. Please discard unnecessary tape groups or data sets.
390b0d2	DMED90B0D2: The process cannot be performed because the cache memory size is insufficient. Please increase the cache memory or delete unnecessary tape group.
390b0d3	DMED90B0D3: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit.
390b0d4	DMED90B0D4: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit.
390b0d5	DMED90B0D5: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit.

Error Code	Description
390b0d6	DMED90B0D6: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit.
390b0d7	DMED90B0D7: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit.
390b0d8	DMED90B0D8: The process cannot be performed because the pair status of logical unit is illegal. Please confirm the pair status of logical unit.
390b0d9	DMED90B0D9: The process cannot be performed because the number of differential backup to the specified logical unit reached the maximum. Please confirm the backup group.
390b0da	DMED90B0DA: The process failed due to an invalid parameter. Confirm the specified value.
390b0db	DMED90B0DB: The process cannot be performed because the logical unit is not used by this differential backup. Please confirm the logical unit.
390b0dd	DMED90B0DD: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the tape group.
390b0de	DMED90B0DE: The process cannot be performed because the number of data sets in the specified tape group reached the maximum. Please discard unnecessary data sets or specify another tape group and try again.
390b0df	DMED90B0DF: The process cannot be performed because the number of tape cartridges in the tape group reached the maximum. Please discard unnecessary data sets or specify another tape group and try again.
390b0e0	DMED90B0E0: The process cannot be performed because the specified tape group is already backed up by append write. Please specify the data set and then try again.
390b0e1	DMED90B0E1: The process failed due to an invalid parameter. Confirm the specified value.
390b0e2	DMED90B0E2: The process cannot be performed because the data set does not exist. Please confirm the data set.
390b0e3	DMED90B0E3: The process cannot be performed because the full backup tape group or data set does not exist. Please confirm the tape group or the data set.
390b0e4	DMED90B0E4: The process cannot be performed because the status of the data set is illegal. Please confirm the status of the data set.
390b0e5	DMED90B0E5: The process cannot be performed because the status of the full backup tape group or data set is illegal. Please confirm the status of the tape group or the data set.
390b0e6	DMED90B0E6: The process cannot be performed because the restoration is in progress in the tape group. Please try again, after it is completed.
390b0e7	DMED90B0E7: The process cannot be performed because the restoration of the full backup tape group or data set is in progress. Please try again, after it is completed.
390b0e8	DMED90B0E8: The process cannot be performed because the copy is in progress. Please try again, after it is completed.

Error Code	Description
390b0e9	DMED90B0E9: The process cannot be performed because the restoration is in progress. Please try again, after it is completed.
390b0ea	DMED90B0EA: The process cannot be performed because the copy is in progress. Please try again, after it is completed.
390b0eb	DMED90B0EB: The process cannot be performed because the restoration is in progress. Please try again, after it is completed.
390b0ec	DMED90B0EC: The process failed due to an invalid parameter. Confirm the specified value.
390b0ed	DMED90B0ED: The process cannot be performed because the cache memory size is insufficient. Please try again, after other restoration is completed.
390b0ee	DMED90B0EE: The process cannot be performed because the logical unit at restoring destination is not a part of ShadowImage pair. Please confirm the pair status of the logical unit.
390b0ef	DMED90B0EF: The process cannot be performed because the specified tape group is being used by other application. Please specify another tape group and try again.
390b0f0	DMED90B0F0: The process cannot be performed because the status of the data set is illegal. Please confirm the status of the data set.
390b0f1	DMED90B0F1: The process cannot be performed because the restoration is in progress in the backup group. Please confirm the status of the tape group in the backup group.
390b0f2	DMED90B0F2: The process cannot be performed because the status of the data set is illegal. Please confirm the status of the data set.
390b0f3	DMED90B0F3: The process cannot be performed because the status of the data set is illegal. Please confirm the status of the data set.
390b0f4	DMED90B0F4: The process cannot be performed because the copy is in progress in the backup group. Please confirm the status of the tape group in the backup group.
390b0f5	DMED90B0F5: The process cannot be performed because the status of another tape group in the backup group is illegal. Please confirm the status of the tape group in the backup group.
390b0f6	DMED90B0F6: The process cannot be performed because the access level is set to the logical unit. Please confirm the logical unit.
390b0fb	DMED90B0FB: The process cannot be performed because the status of the tape group is illegal. Please confirm the status of the data set.
390b0fc	DMED90B0FC: The process cannot be performed because the specified tape group is being used by other application. Please specify another tape group and try again.
390b0fd	DMED90B0FD: The process cannot be performed because the specified tape group is being used by other application. Please specify another tape group and try again.
390b0fe	DMED90B0FE: The process cannot be performed because the specified tape group is being used by other application. Please specify another tape group and try again.

Error Code	Description
390b101	DMED90B101: The process cannot be performed because the copy is in progress. Please try again, after it is completed.
390b102	DMED90B102: The process cannot be performed because the restoration is in progress. Please try again, after it is completed.
390b103	DMED90B103: The process cannot be performed because the memory reconfiguration is in progress. Please try again after the memory reconfiguration is completed.
390c000	DMED90C000: The process cannot be performed because the library port is not set. Please confirm the library path.
390c001	DMED90C001: The process cannot be performed because the recovery of library path is in progress. Please try again, after it is completed.
390d000	DMED90D000: The process failed due to an invalid parameter. Confirm the specified value.
390d001	DMED90D001: The process failed due to an invalid parameter. Confirm the specified value.
390d002	DMED90D002: The process failed due to an invalid parameter. Confirm the specified value.
390d003	DMED90D003: The process cannot be performed because the logging out is in progress. Please wait for a while and then try again.
390d004	DMED90D004: The process cannot be performed because the updating information of the port is in progress. Please wait for a while and then try again.
390d100	DMED90D100: The process cannot be performed because the port is unequipped. Please confirm the subsystem status.
390d101	DMED90D101: The process cannot be performed because the port is detached. Please confirm the port status.
390d102	DMED90D102: The process cannot be performed because the specified port type is not fibre channel. Please confirm the port type.
390d103	DMED90D103: The process cannot be performed because the port is already set as a library port. Please confirm the port, and specify ports again.
390d104	DMED90D104: The process cannot be performed because the port is already set as a remote path. Please confirm the port, and specify ports again.
390d105	DMED90D105: The process cannot be performed because the port is already set the security option. Please confirm the security option of the port.
390d106	DMED90D106: The process cannot be performed because the port is already mapped the logical units. Please confirm the mapping information.
390d108	DMED90D108: The process cannot be performed because the controller is detached. Please confirm the subsystem status.
390d10a	DMED90D10A: The process cannot be performed because the topology of the port is not Point To Point. Please confirm the setting of port.

Error Code	Description
390d10b	DMED90D10B: The process cannot be performed because the transfer rate of the specified port is not AUTO. Please confirm the setting of port.
390d200	DMED90D200: The process cannot be performed because the specified port is not library port. Please confirm the port status.
390d201	DMED90D201: The process cannot be performed because all the library ports cannot be released.
3910000	DMED910000: The process failed due to an invalid parameter. Confirm the specified value.
3910001	DMED910001: The process cannot be performed because the inventory is in progress. Please try again, after it is completed.
3910002	DMED910002: The process failed due to an invalid parameter. Confirm the specified value.
3910003	DMED910003: The process failed due to an invalid parameter. Confirm the specified value.
3910004	DMED910004: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory.
3910005	DMED910005: The process failed due to an invalid parameter. Confirm the specified value.
391000f	DMED91000F: The process cannot be performed because the copy or restoration is in progress. Please try again, after it is completed.
3910012	DMED910012: The process cannot be performed because the tape cartridge is moving. Please try again, after it is completed.
3910013	DMED910013: The process cannot be performed because the import is in progress. Please try again, after it is completed.
3910014	DMED910014: The process cannot be performed because the inventory is in progress. Please try again, after it is completed.
3910015	DMED910015: The process cannot be performed because the MT library is being added. Please try again, after it is completed.
3910017	DMED910017: The process cannot be performed because the micro program is being replaced. Please try again, after it is completed.
3910021	DMED910021: The process cannot be performed because the import is in progress. Please try again, after it is completed.
3910022	DMED910022: The process failed due to an invalid parameter. Confirm the specified value.
3910023	DMED910023: The process cannot be performed because the number of tape cartridges reached the maximum. Please export unnecessary tape cartridges.
3910024	DMED910024: The process cannot be performed because the tape cartridge is being exported. Please import it.
3910025	DMED910025: The process cannot be performed because the number of the tape groups reached the maximum. Please delete unnecessary tape groups.

Error Code	Description
3910026	DMED910026: The process cannot be performed because the specified tape group number is being used. Please confirm the tape group number.
3910027	DMED910027: The process cannot be performed because the specified tape group is already imported. Please confirm the tape group.
3910028	DMED910028: The process cannot be performed because the tape cartridge is not normal. Please confirm the status.
3910029	DMED910029: The process cannot be performed because the tape cartridge is not undefined. Please confirm the type.
3910030	DMED910030: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory.
3910031	DMED910031: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory.
3910032	DMED910032: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory.
3910040	DMED910040: The process cannot be performed because the tape cartridge is already audited. Please export unnecessary tape cartridges.
3910050	DMED910050: The process cannot be performed because the inventory is not in progress. Please confirm the condition of the inventory.
3910051	DMED910051: The process cannot be performed because the condition of the inventory is incorrect. Please confirm the condition of the inventory.
3910060	DMED910060: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory.
3910070	DMED910070: The option cannot be de-installed or disabled because the import is in progress.
3910071	DMED910071: The process cannot be performed because the specified tape group does not exist. Please confirm the condition of the inventory.
3910072	DMED910072: The process cannot be performed because the specified tape group is impossible to import. Please confirm the tape group.
3911000	DMED911000: The option cannot be installed or enabled because the fibre channel port is not equipped.
3911001	DMED911001: The option cannot be installed or enabled because DM-LU is not defined.
3911002	DMED911002: Tape Replication cannot be installed by emergency key because the options that relate to Tape Replication is already installed by permanent key.
3911003	DMED911003: Tape Replication cannot be de-installed because the options that relate to Tape Replication is installed.
3911004	DMED911004: The option cannot be de-installed because the tape group is already defined. Please delete the tape group.
3911005	DMED911005: The option cannot be de-installed because the library port is already defined. Please release the library port.

Error Code	Description
3911006	DMED911006: The process cannot be performed because Tape Replication is de-installed, or disabled. Please change Tape Replication to installed and then try again.
3911007	DMED911007: The option that relate to Tape Replication cannot be installed because Tape Replication is not installed by permanent key.
3911008	DMED911008: The option cannot be installed because differential bit map is insufficient. Please delete unnecessary pairs.
3911009	DMED911009: The option cannot be de-installed because differential bit map is used. Please delete all tape groups and release all library ports.
391100a	DMED91100A: The option cannot be de-installed because MT library is added. Please delete MT libraries.
391100b	DMED91100B: Tape Replication cannot be disabled because the option that relate to Tape Replication is enabled.
391100c	DMED91100C: The process cannot be performed because differential bit map is insufficient. Please delete unnecessary pairs or increase the cache memory.
3911010	DMED911010: The option which cannot be specified at the same time is installed.
3911020	DMED911020: The option cannot be de-installed or disabled because the copy is in progress.
3911021	DMED911021: The option cannot be de-installed or disabled because the restoration is in progress.
3911030	DMED911030: The option which cannot be specified at the same time is installed.
3911031	DMED911031: The option cannot be installed or enabled because the order is incorrect. Please change Cartridge Cell License to installed or enabled in ascending order.
3911032	DMED911032: The option cannot be installed because the previous option is installed by the temporary key or emergency key. Please install the option with the temporary key or emergency key.
3911040	DMED911040: The option cannot be de-installed or disabled because the order is incorrect. Please change Cartridge Cell License to de-installed or disabled in descending order.
3c00001	DMEDC00001: The process cannot be performed because the specified group number is outside the effective range. Confirm the group number.
3c00002	DMEDC00002: The process cannot be performed because the specified LU number is outside the effective range. Confirm the LU number.
3c00003	DMEDC00003: The specified group is not used. Confirm the group number.
3c00004	DMEDC00004: The specified LU is not pair. Confirm the LU number.
3c00005	DMEDC00005: The specified LU is V-VOL. Specify another LU and try again.
3c00006	DMEDC00006: The specified LU is not V-VOL. Specify the LU number of V-VOL and try again.

Error Code	Description
3c00007	DMEDC00007: The process cannot be performed because the number of pairs reached the maximum. Confirm the settings of pairs.
3c00008	DMEDC00008: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again.
3c00009	DMEDC00009: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again.
3c0000a	DMEDC0000A: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again.
3c0000b	DMEDC0000B: The process cannot be performed because the same Pair Name exists. Please confirm the Pair Name and try again.
3c0000c	DMEDC0000C: The process cannot be performed because the same Group Name exists. Please confirm the Group Name and try again.
3c0000d	DMEDC0000D: The process cannot be performed because the same Group Name exists. Please confirm the Group Name and try again.
3c0000e	DMEDC0000E: The specified logical unit is Volume Migration pair. Please specify another logical unit and try again.
3c0000f	DMEDC0000F: The process cannot be performed because the SnapShot pair of specified name does not exist. Please specify SnapShot pair and try again.
3c00010	DMEDC00010: The process cannot be performed because the LU number is already assigned in specified pair. Please release the LU number in S-VOL and try again.
3c00011	DMEDC00011: The process cannot be performed because the LU number of specified pair is not assigned. Please confirm the LU number and try again.
3c00012	DMEDC00012: The process cannot be performed because S-VOL is mapped. Please delete mapping and then try again.
3c00013	DMEDC00013: The process cannot be performed because the pair name is not specified. Please specify the pair name and try again.
3c00014	DMEDC00014: The specified value of copy speed is outside the effective range. Please specify the value in the effective range and try again.
3c00015	DMEDC00015: The process cannot be performed because P-VOL of specified pair is reserved for cache partition modification. Please restart the subsystem and then try again.
3c00016	DMEDC00016: The process cannot be performed because the pool number is not specified. Please specify the pool number and try again.
5010001	DMER010001: The target LU is undergoing the change of an ownership of LU. Retry after waiting for a while.
5010002	DMER010002: The change of a controller that controls the LU cannot be checked because the directory was blocked in the other controller. Retry after waiting for a while.
5010003	DMER010003: An instruction to change the controller that controls the LU was issued. Retry after waiting for a while.

Error Code	Description
5010004	DMER010004: The owner controller of the LUs to be paired is detached. Retry.
5010005	DMER010005: The owner controller of the LUs to be paired is detached. Retry.
5010006	DMER010006: The owner controller of the LUs to be paired is detached. Retry.
5010007	DMER010007: The owner controller of the LUs to be paired is detached. Retry.
5010009	DMER010009: The owner controller of the LUs to be paired is detached. Retry after waiting for a while.
501000a	DMER01000A: The owner controller of the LUs to be paired is detached. Retry after waiting for a while.
501000b	DMER01000B: The owner controller of the LUs to be paired is detached. Retry after waiting for a while.
5010019	DMER010019: The pair operation command is a time-out. Retry after waiting for a while.
5010065	DMER010065: Since the specified P-VOL requires a change of an ownership of LU, it is undergoing the execution of the ownership of LU change. Retry after waiting for a while.
5010066	DMER010066: Though the specified P-VOL requires a change of an ownership of LU, the controller to be changed is blocked. Retry after waiting for a while.
5010067	DMER010067: Since the specified P-VOL requires a change of an ownership of LU, the execution of the ownership of LU change has been started. Retry after waiting for a while.
5011001	DMER011001: The target LU is undergoing the change of an ownership of LU. Retry after waiting for a while.
5011002	DMER011002: The change of a controller that controls the LU cannot be checked because the directory was blocked in the other controller. Retry after waiting for a while.
5011003	DMER011003: An instruction to change the controller that controls the LU was issued. Retry after waiting for a while.
5012001	DMER012001: The target LU is undergoing the change of an ownership of LU. Retry after waiting for a while.
5012002	DMER012002: The change of a controller that controls the LU cannot be checked because the directory was blocked in the other controller. Retry after waiting for a while.
5012003	DMER012003: An instruction to change the controller that controls the LU was issued. Retry after waiting for a while.
5020000	DMER020000: The pair status of the P-VOL is other than Simplex. Check the pair status of the LU.
5020001	DMER020001: The status of the P-VOL is other than normal and regressive. Check the status of the LU.

Error Code	Description
5020002	DMER020002: The P-VOL is a Cache Residency LU. Check the status of the LU.
5020003	DMER020003: The P-VOL is reserved as a Cache Residency LU. Check the status of the LU.
5020004	DMER020004: The P-VOL is a command device. Check the status of the LU.
5020005	DMER020005: The primary sequence number is different from the own Array ID. Check the Array ID.
5020006	DMER020006: Both of the two paths are abnormal. Check the status of the path.
5020007	DMER020007: The P-VOL has been defined as a SubLU of a unified LU. Check the status of the LU.
5020009	DMER020009: There exist maximum number of pairs already. Delete the unnecessary pairs.
502000d	DMER02000D: The P-VOL is in a status other than Split and Failure. Check the pair status of the LU.
502000e	DMER02000E: The status of the P-VOL is other than normal and regressive. Check the pair attribute of the LU.
502000f	DMER02000F: The number of the LU to be paired is different. Check the specified LUN.
5020010	DMER020010: The primary sequence number is different from the own Array ID. Check the Array ID.
5020011	DMER020011: Both of the two paths are abnormal. Check the status of the path. Also, check the S-VOL status. When it is Takeover, the S-VOL is available for I/O.
5020012	DMER020012: The specified P-VOL is in a status other than Synchronizing and Paired. Check the pair status of the LU.
5020014	DMER020014: The current Array ID differs from the number that was set initially. Check the Array ID.
5020016	DMER020016: The number of the LU to be paired is different. Check the specified LUN.
5020017	DMER020017: The primary sequence number is different from the own Array ID. Check the Array ID.
5020018	DMER020018: The S-VOL pair cancellation instructions to a P-VOL or the pair cancellation instructions to an S-VOL was received. Check the pair status of the LU.
5020020	DMER020020: The Asynchronous mode is turned on. The Asynchronous mode is not supported.
5020021	DMER020021: The fence level is STATUS. Make sure of the specified fence level.
5020023	DMER020023: The P-VOL is a volume of ShadowImage. It is in the Failure status and cannot accept Read/Write instructions. Check the pair status of the LU.

Error Code	Description
5020024	DMER020024: The P-VOL is undergoing the restoration of ShadowImage pair. Check the pair status of the LU.
5020025	DMER020025: The P-VOL received an instruction to swap pair. Check the pair attribute of the LU.
5020026	DMER020026: The pair status is not Takeover. Check the pair status.
5020027	DMER020027: The S-VOL received an instruction to resynchronize pair. Check the pair attribute of the LU.
5020028	DMER020028: The volume is a P-VOL of ShadowImage. It is in the Failure status and cannot accept Read/Write instructions. Place the P-VOL concerned in the Simplex status and create the pair again.
5020029	DMER020029: The volume is a P-VOL of ShadowImage and undergoing a reverse copy. Check the pair status of the LU.
502002a	DMER02002A: The P-VOL received an instruction to be taken over. Check the pair status of the LU.
502002b	DMER02002B: It is in the Simplex or Synchronizing status. Check the pair status of the LU.
502002c	DMER02002C: The secondary sequence number is different from the Array ID. Check the Array ID.
502002d	DMER02002D: The S-VOL received an instruction to be taken over. Check the pair status of the LU.
502002e	DMER02002E: The pair status of the P-VOL is Simplex or Synchronizing. Check the pair status of the LU.
502002f	DMER02002F: The primary sequence number is different from the Array ID. Check the Array ID.
5020030	DMER020030: The S-VOL received the suspension. Check the pair status of the LU.
5020031	DMER020031: The capacity is beyond the limits of support. Split the unnecessary pairs.
5020032	DMER020032: The P-VOL is configured as RAID 0. Check the RAID level of the specified LU.
5020033	DMER020033: The specified LU is an S-VOL of ShadowImage and it is in a pair status other than Split. Check the pair status of the LU.
5020035	DMER020035: The volume is an S-VOL of ShadowImage and it is in a pair status other than Split. Check the pair status of the LU.
5020036	DMER020036: The volume is a P-VOL of SnapShot and being restored. Check the pair status of the LU.
5020037	DMER020037: The volume is a P-VOL of SnapShot It is in the Failure status and cannot accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL concerned to Simplex, and create the pair again.
5020038	DMER020038: The volume is a P-VOL of SnapShot and the mate to it has already been paired by Remote Replication. Check the pair status of the LU.

Error Code	Description
5020039	DMER020039: The volume is a V-VOL of SnapShot and it is in a status other than Split of SnapShot. Check the pair status of the LU.
502003a	DMER02003A: The volume is a V-VOL of SnapShot. The related P-VOL of SnapShot is being restored or has been placed in the Failure status during a restoration. Check the pair status of the LU.
502003b	DMER02003B: The specified LU is comprised in a SnapShot pair and it has already been cascaded with a Remote Replication pair. Check the pair status of the LU.
502003c	DMER02003C: The specified LU is comprised in a SnapShot pair and it has already been cascaded with a Remote Replication pair. Check the pair status of the LU.
502003d	DMER02003D: The volume is a P-VOL of SnapShot and being restored. Check the pair status of the LU.
502003e	DMER02003E: The volume is a P-VOL of SnapShot. It is in the Failure status and cannot accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL related to Simplex and create the pair again.
502003f	DMER02003F: The volume is a V-VOL of SnapShot and it is in a status other than Split of SnapShot. Check the pair status of the LU.
5020040	DMER020040: The volume is a P-VOL of SnapShot. It is being restored or in the Failure status and cannot accept Read/Write instructions. Check the pair status of the LU.
5020042	DMER020042: The RAID level differs between the MainLU and SubLU. Check that the RAID level of the specified LU is the same as that expected.
5020043	DMER020043: The number of data disks differs between the MainLU and SubLU. Check that the number of data disks of the specified LU is the same as that expected.
5020045	DMER020045: The specified LU is a V-VOL of SnapShot. The P-VOL of the related SnapShot pair is a unified LU, whose MainLU and SubLU are different in RAID level. Check that the RAID level of the SnapShot P-VOL corresponding to the specified LU is the same as that expected.
5020046	DMER020046: The specified LU is a V-VOL of SnapShot. The P-VOL of the related SnapShot pair is a unified LU, whose MainLU and SubLU are different in number of data disks. Check that the number of data disks of the SnapShot P-VOL corresponding to the specified LU is the same as that expected.
5020047	DMER020047: Data of the Remote Replication P-VOL is partially destroyed. Issue the SnapShot instruction (to change the status from Paired to Split) to the SnapShot pair again, and then create the pair again.
5020048	DMER020048: Data of the Remote Replication P-VOL is partially destroyed. Format the specified LU after getting backup data of it. Then restore the backup data.
502004b	DMER02004B: The specified P-VOL is in the Failure (S-VOL Switch) status of ShadowImage. Request service personnel to replace drives that compose the P-VOL. Format them after the replacement then resynchronize the pair.

Error Code	Description
502004d	DMER02004D: The DM-LU is not set. Retry after setting the DM-LU.
502004e	DMER02004E: The DM-LU cannot be specified as P-VOL. Check the status of the LU.
502004f	DMER02004F: Validity of the license expired. Purchase the license.
5020052	DMER020052: The remote SnapShot split request was accepted in the Remote Replication environment. The remote SnapShot split request is not supported in the Remote Replication environment.
5020053	DMER020053: The specified P-VOL is the reserved LU. Check the status of the LU.
5020054	DMER020054: The specified P-VOL is undergoing the migration. Check the pair status of the LU.
5020055	DMER020055: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
5020056	DMER020056: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
5020057	DMER020057: The specified function is not supported in a remote array. Check the remote array.
5020058	DMER020058: When creating pairs with group is specified, the specified group ID is beyond the limits of supported. Check the specified group ID.
5020059	DMER020059: The pair status of the specified S-VOL does not allow you to create a pair. Check the pair status of the specified S-VOL on both local and remote arrays.
502005a	DMER02005A: The command was received in unit of group at the time of resynchronization. Check the specified value.
502005b	DMER02005B: When the unit of group is specified, the specified S-VOL is not created pair with group. Check the status of the LU.
502005c	DMER02005C: When the unit of group is specified, there is a P-VOL in the same group. Check the group ID.
502005d	DMER02005D: When the unit of group is specified, there is no pair, which is in the Paired, Split, or Failure status, in the same group. Check the pair status of LU in the group.
502005e	DMER02005E: When the unit of group is specified, the specified P-VOL is not created pair with group. Check the status of the LU.
502005f	DMER02005F: When the unit of group is specified, there is an S-VOL in the same group. Check the group ID.
5020060	DMER020060: When the unit of group is specified, there is no pair, which is in the Paired, Split, or Failure status, in the same group. Check the pair status of LU in the group.
5020061	DMER020061: When the unit of group is specified, the specified P-VOL is not created pair with group. Check the status of the LU.
5020062	DMER020062: When the unit of group is specified, there is an S-VOL in the same group. Check the group ID.

Error Code	Description
5020063	DMER020063: When the unit of group is specified, there is no pair, which is in the Synchronizing or Paired status, in the same group. Check the pair status of LU in the group.
5020064	DMER020064: The pair cancellation instructions was executed for the range that was not supported. Check the specified value.
5020065	DMER020065: When the unit of group is specified, the specified P-VOL is not created pair with group. Check the status of the LU.
5020066	DMER020066: When the unit of group is specified, there is an S-VOL in the same group. Check the group ID.
5020067	DMER020067: When the unit of group is specified, the specified S-VOL is not created pair with group. Check the status of the LU.
5020068	DMER020068: When the unit of group is specified, there is a P-VOL in the same group. Check the group ID.
5020069	DMER020069: The remote path connected to the specified remote array does not exist. Retry after creating the remote path from the local array to the remote array of the specified remote Array ID.
502006a	DMER02006A: The command cannot execute because the Auto Migration is undergoing. Check the Migration status.
502006b	DMER02006B: The command cannot execute because the Auto Migration is undergoing. Check the Migration status.
502006c	DMER02006C: The command cannot execute because the Auto Migration is undergoing. Check the Migration status.
502006d	DMER02006D: There are other pairs in the group, whose fence level is not the same as the one specified. Confirm the fence level of the pair you are creating.
502006e	DMER02006E: There are other pairs in the group, whose P-VOL and S-VOL are swapped. Confirm the array on which you are executing the command.
502006f	DMER02006F: The specified LU is the P-VOL or S-VOL of a ShadowImage pair that the status is Split Pending or Paired Internally Synchronizing. Check the status of the ShadowImage pair.
5020070	DMER020070: Migration status indicates a status other than Not Started. Check the Migration status.
5020071	DMER020071: Migration mode indicates Migration. Check the migration mode.
5020072	DMER020072: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal.
5020073	DMER020073: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is used by pairs in the specified group. Retry after the RAID group status becomes Normal.
5020074	DMER020074: The specified CTG number has been used into other remote replication pair with the remote array. Retry after specifying the number other than specified CTG number.

Error Code	Description
5020075	DMER020075: The local array can not execute create pair with the specified remote array because the maximum number of the connected arrays is beyond the limits. Retry after deleting the all remote replication pair with the another remote array.
5020076	DMER020076: The local array can not execute create pair with the specified remote array because the maximum number of the connected arrays is beyond the limits. Retry after deleting the all remote replication pair with the another remote array.
5020077	DMER020077: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool.
5020078	DMER020078: The LU that was specified as P-VOL does not exist. Check the specified LUN.
5020079	DMER020079: The specified P-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the ShadowImage pair that the specified P-VOL is part of.
502007a	DMER02007A: The specified P-VOL is a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the ShadowImage pair that the specified P-VOL is part of.
502007b	DMER02007B: The specified P-VOL is an S-VOL of ShadowImage pair those P-VOL is part of another ShadowImage pair that S-VOL is the LU created in DP pool. Confirm all the S-VOL of ShadowImage pair that shares the P-VOL with the ShadowImage pair that specified P-VOL is part of.
502007c	DMER02007C: Management information of Dynamic Provisioning is being updated. Retry after waiting for a while.
502007d	DMER02007D: The operation can not be performed due to insufficient capacity of the DP Pool for the specified P-VOL. Check the capacity of the DP Pool.
502007e	DMER02007E: The operation can not be performed due to insufficient capacity of the DP Pool for the specified S-VOL. Check the capacity of the DP Pool.
502007f	DMER02007F: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
5020080	DMER020080: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
5020081	DMER020081: The pair status of the specified S-VOL is Simplex, Synchronizing, or Paired. Check the pair status of the LU.
5020082	DMER020082: There are no pairs in the specified group whose status is Takeover. Check the pair status.
5020083	DMER020083: The copy operation can not be performed because the capacity of the DM-LU is depleted. Grow the capacity of DM-LU.
5020084	DMER020084: The internal transaction of the specified LU is working now. Retry after waiting for a while.
5020085	DMER020085: The DM-LU status is invalid. Check the DM-LU status.

Error Code	Description
5020086	DMER020086: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
5020087	DMER020087: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5020088	DMER020088: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5020089	DMER020089: The copy operation can not be performed because the DM-LU has unwritten data. Delete the specified pair.
502008a	DMER02008A: The copy operation can not be performed because the DM-LU has unwritten data. Retry the operation per pair.
502008b	DMER02008B: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the P-VOL of the specified pair.
502008c	DMER02008C: The specified P-VOL is the P-VOL of a Remote Replication pair. Check the pair status.
502008d	DMER02008D: The specified LU is comprised in a SnapShot pair and it has already been cascaded with a Remote Replication pair. Check the pair status of the LU.
502008e	DMER02008E: The SnapShot pair of the specified V-VOL has already had its V-VOL being cascaded with the max number of remote replication pairs. Check the configuration of the pairs.
502008f	DMER02008F: Migration status indicates a status of Checking or Switching array. Check the Migration status.
502303d	DMER02303D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN.
502403d	DMER02403D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN.
5030000	DMER030000: The controller that controls the LU cannot be changed because pinned data exists. Retry after eliminating pinned data.
5030001	DMER030001: The controller that controls the LU cannot be changed temporarily. Retry after waiting for a while.
5030002	DMER030002: The operation to change LU is in progress. Retry after waiting for a while.
5030003	DMER030003: There is no partition to which the current partition is to be changed. Retry after waiting for a while.
5030004	DMER030004: The directory configuration is being changed. Reboot the subsystem.
5030005	DMER030005: The change of a controller that controls the LU resulted in a time-out. Retry after waiting for a while.
5030006	DMER030006: The pair status of the P-VOL is other than Simplex, or a V-VOL does not exist. Check the pair status of the LU.
5030007	DMER030007: The pair status is other than Simplex. Check the pair status of the LU.

Error Code	Description
5030008	DMER030008: The specified P-VOL is a V-VOL. Check the pair status of the LU.
5030009	DMER030009: The specified V-VOL is a P-VOL. Check the pair status of the LU.
503000b	DMER03000B: The group ID is out of appropriate range. Make sure of the specified group ID number.
503000d	DMER03000D: The same MU number was specified within the same P-VOL. Make sure of the specified MU number.
503000e	DMER03000E: The process is in progress. Retry after waiting for a while.
5030010	DMER030010: The pair status is other than Split. Check the pair status of the LU.
5030011	DMER030011: The object LUN is not the same as the expected one. Check the specified LU.
5030012	DMER030012: The instruction of forced suspension was received. Make sure of the command.
5030014	DMER030014: The P-VOL is in a status other than normal and regressive. Check the status of the LU.
5030015	DMER030015: The data pool LU being used is in a status other than normal and regressive. Check the status of the pool LU.
5030017	DMER030017: The pair attribute of the P-VOL is V-VOL. Check the status of the LU.
5030018	DMER030018: The pair attribute of the V-VOL is P-VOL. Check the status of the LU.
503001a	DMER03001A: The same MU number was specified within the same P-VOL. Make sure of the specified MU number.
503001b	DMER03001B: The process is in progress. Retry after waiting for a while.
503001d	DMER03001D: The object LUN is not the same as the expected one. Check the specified LU.
503001e	DMER03001E: The specified V-VOL is not specified to be grouped(Group ID suspension). Check the pair attribute of the LU.
503001f	DMER03001F: The V-VOL, which is an object of the batch suspension, is in a status other than Paired(Group ID suspension). Check the pair status of the LU.
5030020	DMER030020: The process is in progress. Retry after waiting for a while.
5030021	DMER030021: The process is in progress. Retry after waiting for a while.
5030022	DMER030022: The pair status of the V-VOL is illegal. Check the pair status of the LU.
5030023	DMER030023: The object LUN is not the same as the expected one. Check the specified LU.
5030028	DMER030028: The specified MU number is different from that of the specified V-VOL. Make sure of the specified MU number.

Error Code	Description
5030029	DMER030029: The specified MU number is different from that of the specified V-VOL. Make sure of the specified MU number.
503002a	DMER03002A: The specified MU number is different from that of the specified V-VOL. Make sure of the specified MU number.
503002b	DMER03002B: The pair status was changed to Failure because the process terminated abnormally. Place the pair concerned in the Simplex status once, and then create the pair again.
503002c	DMER03002C: The specified P-VOL has excess pinned data (at the time of a restoration only). Retry after eliminating pinned data.
503002e	DMER03002E: Navigator was received by the control information on 8-byte form. Check the environment of Navigator.
503002f	DMER03002F: There are 64 or more LUs being restored. Retry after the restoration is completed.
5030030	DMER030030: The P-VOL is being restored. Retry after the restoration is completed.
5030031	DMER030031: Data of the V-VOL is partially destroyed. Make a backup from the S-VOL to a tape device, etc. and then restore the data to the P-VOL.
5030032	DMER030032: The process is in progress. Retry after waiting for a while.
5030033	DMER030033: Because the process terminated abnormally, the pair status was changed to Failure and the P-VOL became unable to accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL concerned to Simplex, and create the pair again.
5030034	DMER030034: Because the process terminated abnormally, the pair status was changed to Failure and the P-VOL became unable to accept Read/Write instructions. Change the statuses of all V-VOLs of the P-VOL concerned to Simplex, and create the pair again.
5030035	DMER030035: The MU number is other than 0 to 2. Make sure of the specified MU number.
5030036	DMER030036: The MU number is other than 0 to 2. Make sure of the specified MU number.
5030037	DMER030037: The MU number is other than 0. Make sure of the specified MU number.
5030038	DMER030038: The V-VOL is a volume of Remote Replication and in a status other than Simplex. Check the status of the Remote Replication pair.
5030039	DMER030039: The P-VOL of SnapShot is a P-VOL of Remote Replication. It is in the Split status and prohibited from accepting Write instructions. Check the pair status and pair attribute.
503003a	DMER03003A: The P-VOL of SnapShot is an S-VOL of Remote Replication. It is in the Split status and prohibited from accepting Write instructions. Check the pair status and pair attribute.
503003b	DMER03003B: The P-VOL of SnapShot is a volume of Remote Replication and it is in a status other than Simplex and Split. Check the status of the Remote Replication pair.

Error Code	Description
503003c	DMER03003C: Among the other V-VOLs of SnapShot, there are LUs of Remote Replication in a status other than Split and Failure. Check the status of the Remote Replication pair.
503003d	DMER03003D: The V-VOL is a volume of Remote Replication and in a status other than Split and Failure. Check the status of the Remote Replication pair.
503003e	DMER03003E: The V-VOL is a volume of Remote Replication and in a status other than Simplex. Check the status of the Remote Replication pair.
5030044	DMER030044: The DM-LU is not set. Retry after setting the DM-LU.
5030045	DMER030045: The DM-LU was specified as P-VOL. Check the status of the LU.
5030046	DMER030046: The DM-LU was specified as V-VOL. Check the status of the LU.
5030047	DMER030047: The DM-LU is not set. Retry after setting the DM-LU.
5030048	DMER030048: The DM-LU was specified as P-VOL. Check the status of the LU.
5030049	DMER030049: The DM-LU was specified as V-VOL. Check the status of the LU.
503004a	DMER03004A: Validity of the license expired. Purchase the license.
503004b	DMER03004B: Validity of the license expired. Purchase the license.
5030052	DMER030052: The specified P-VOL is a P-VOL of Remote Replication and the status of the Remote Replication pair is other than Split (at the time of restoration). Check the status of the LU.
5030053	DMER030053: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and writing to the S-VOL is prohibited (at the time of restoration). Check the status of the LU.
5030054	DMER030054: The specified P-VOL is an S-VOL of Remote Replication and the determined data at the end of the previous cycle is being restored to the S-VOL. Retry after waiting for a while.
5030056	DMER030056: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and reading/writing from/to the S-VOL is prohibited (at the time of restoration). Check the status of the LU.
5030057	DMER030057: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is other than Simplex or Split (at the time of restoration). Check the status of the LU.
5030058	DMER030058: The P-VOL of this SnapShot is the S-VOL of the Remote Replication pair. It cannot be executed because the status of this Remote Replication pair is Synchronizing or Paired. Check the status of the LU.
5030059	DMER030059: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and reading/writing from/to the S-VOL is prohibited. Check the status of the LU.

Error Code	Description
503005a	DMER03005A: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Synchronizing or Paired. Check the status of the LU.
503005b	DMER03005B: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Split and reading/writing from/to the S-VOL is prohibited. Check the status of the LU.
503005c	DMER03005C: The specified P-VOL is an S-VOL of Remote Replication and the status of the Remote Replication pair is Pool Full (at the time of restoration). Check the status of the LU.
503005d	DMER03005D: The specified P-VOL is the reserved LU. Check the status of the LU.
503005e	DMER03005E: The specified P-VOL is the reserved LU. Check the status of the LU.
503005f	DMER03005F: Though the specified P-VOL requires a change of an ownership of LU, it has the pinned data. Contact the service personnel.
5030060	DMER030060: The controller that controls the LU that will be P-VOL cannot be changed. Check the status of the LU.
5030061	DMER030061: The operation to change LU is in progress. Retry after waiting for a while.
5030062	DMER030062: There is no partition to which the current partition to be changed. Retry after waiting for a while.
5030063	DMER030063: Though the specified P-VOL requires a change of an ownership of LU, the directory structure is being changed. Check the status of the LU.
5030064	DMER030064: Though the specified P-VOL requires a change of an ownership of LU, a time-out occurred in the ownership of LU changed. Check the status of the LU.
5030065	DMER030065: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down (at the time of restoration). Check the status of the RAID group.
5030066	DMER030066: The specified POOL ID is beyond the limits of supported. Check the specified POOL ID.
5030067	DMER030067: There is no POOL LU at the specified POOL ID. Check the specified POOL ID.
5030068	DMER030068: The specified P-VOL is already paired with one or more V-VOLs, and the specified POOL ID is different from the POOL ID, which is already assigned. Check the specified POOL ID.
5030069	DMER030069: The RAID group, to which the specified P-VOL belongs, is RAID 0. Check the RAID level of the specified LU.
503006a	DMER03006A: The V-VOL has already created the maximum number of pairs for the specified P-VOL. Check the number of V-VOLs which have paired with the P-VOL.
503006b	DMER03006B: The specified P-VOL is a SubLU of a unified LU. Check the status of the LU.

Error Code	Description
503006c	DMER03006C: The specified P-VOL is a Volume Migration pair. Check the status of the LU.
503006d	DMER03006D: The specified P-VOL is a ShadowImage pair. Check the attribute of the LU.
503006e	DMER03006E: The specified P-VOL has been defined to the command device. Check the attribute of the LU.
503006f	DMER03006F: The capacity of SnapShot pair is beyond the limits. Confirm the capacity of all the SnapShot P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
5030070	DMER030070: The process is in progress. Retry after waiting for a while.
5030071	DMER030071: It is exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Delete the unnecessary pairs.
5030072	DMER030072: The specified P-VOL is a MainLU of a unified LU, which includes an LU with a capacity smaller than 1 GB. Check the status of the LU.
5030073	DMER030073: The specified P-VOL has been set to the current Cache Residency LU. Check the status of the LU.
5030074	DMER030074: The specified P-VOL has been set to the reserved Cache Residency LU. Check the status of the LU.
5030075	DMER030075: The specified P-VOL is the LU, for which a change of the cache partition(s) had been reserved to other directory. Check the status of the LU.
5030076	DMER030076: Differential bit map is insufficient. Delete the unnecessary pairs.
5030077	DMER030077: When the specified P-VOL is a Remote Replication pair, the specified pool ID and the used pool ID are not the same. Check the specified pool ID.
5030078	DMER030078: LU capacities of the P-VOL and V-VOL are different. Check the capacity of the LU.
5030079	DMER030079: The specified V-VOL is an S-VOL of a Remote Replication pair.
503007a	DMER03007A: Among the other V-VOLs of SnapShot, there are S-VOLs of Remote Replication. Check the status of the Remote Replication pair.
503007b	DMER03007B: An unsupported command option was received. Check the specified value.
503007c	DMER03007C: The specified POOL ID is beyond the limits of supported. Check the specified POOL ID.
503007d	DMER03007D: There is no POOL LU at the specified POOL ID. Check the specified POOL ID.
503007e	DMER03007E: An instruction to create a pair was issued to a P-VOL, which has one or more pairs, specifying a POOL ID different from that has been assigned. Check the specified POOL ID.

Error Code	Description
503007f	DMER03007F: The RAID group, to which the specified P-VOL belongs, is RAID 0. Check the RAID level of the specified LU.
5030080	DMER030080: The V-VOL has already created the maximum number of pairs for the specified P-VOL. Check the number of V-VOLs which have paired with the P-VOL.
5030081	DMER030081: The specified P-VOL is a SubLU of a unified LU. Check the status of the LU.
5030082	DMER030082: The specified P-VOL is a Volume Migration pair. Check the RAID level of the specified LU.
5030083	DMER030083: The specified P-VOL is a ShadowImage pair. Check the attribute of the LU.
5030084	DMER030084: The specified P-VOL has been defined to the command device. Check the attribute of the LU.
5030085	DMER030085: The capacity of SnapShot pair is beyond the limits. Confirm the capacity of all the SnapShot P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
5030086	DMER030086: The process is in progress. Retry after waiting for a while.
5030087	DMER030087: It is exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Delete the unnecessary pairs.
5030088	DMER030088: The specified P-VOL is a MainLU of a unified LU, which includes an LU with a capacity smaller than 1 GB. Check the status of the LU.
5030089	DMER030089: The specified P-VOL has been set to the current Cache Residency LU. Check the status of the LU.
503008a	DMER03008A: The specified P-VOL has been set to the reserved Cache Residency LU. Check the status of the LU.
503008b	DMER03008B: The specified P-VOL is the LU, for which a change of the cache partition(s) had been reserved to other directory. Check the status of the LU.
503008c	DMER03008C: Differential bit map is insufficient. Delete the unnecessary pairs.
503008d	DMER03008D: When the specified P-VOL is a Remote Replication pair, the specified pool ID and the used pool ID are not the same. Check the specified pool ID.
503008e	DMER03008E: LU capacities of the P-VOL and V-VOL are different. Check the capacity of the LU.
503008f	DMER03008F: When creating a pair specifying a group ID, the specified group ID is already used for a ShadowImage pair. Check the specified group ID.
5030090	DMER030090: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number.
5030091	DMER030091: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.

Error Code	Description
5030092	DMER030092: The P-VOL is in a status other than normal or regressive. Check the status of the LU.
5030093	DMER030093: The used data POOL LU is in the status other than normal or regressive. Check the status of the LU.
5030094	DMER030094: The Migration status is other than unexecuted. Check the Migration status.
5030095	DMER030095: The Migration status is other than unexecuted. Check the Migration status.
5030096	DMER030096: The Migration status is other than unexecuted. Check the Migration status.
5030097	DMER030097: The Migration status is other than unexecuted. Check the Migration status.
5030098	DMER030098: The Migration status is other than unexecuted. Check the Migration status.
5030099	DMER030099: There exist maximum number of pairs already. Delete the unnecessary pairs.
503009a	DMER03009A: There exist maximum number of pairs already. Delete the unnecessary pairs.
503009b	DMER03009B: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered.
503009c	DMER03009C: The RAID group to which the target LU of changing ownership belongs indicates a status other than Normal. Retry after the status becomes Normal.
503009d	DMER03009D: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool.
503009e	DMER03009E: A P-VOL that belongs to the RAID group that indicates a status other than Normal is included in the specified group. Retry after the RAID group status becomes Normal.
503009f	DMER03009F: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is used by pairs in the specified group. Retry after the RAID group status becomes Normal.
50300a0	DMER0300A0: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal.
50300a1	DMER0300A1: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is specified when the pair operation or used by specified pair. Retry after the RAID group status becomes Normal.
50300a2	DMER0300A2: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool.
50300a3	DMER0300A3: The LU that was specified as P-VOL does not exist. Check the specified LUN.

Error Code	Description
50300a4	DMER0300A4: The LU that was specified as P-VOL does not exist. Check the specified LUN.
50300a5	DMER0300A5: An LU whose DP optimization status is not Normal is included in the pair and its cascade pairs. Check the DP optimization status of the LUs which are included in the pairs.
50300a6	DMER0300A6: The operation can not be performed due to insufficient capacity of the DP Pool for the specified P-VOL. Check the capacity of the DP Pool.
50300a7	DMER0300A7: The operation can not be performed due to insufficient capacity of the DP Pool for the LUs which belong to data Pool. Check the capacity of the DP Pool.
50300a8	DMER0300A8: Management information of Dynamic Provisioning is being updated. Retry after waiting for a while.
50300a9	DMER0300A9: The operation can not be performed due to insufficient capacity of the DP Pool for the P-VOL of a pair in the same group. Check the capacity of the DP Pool.
50300aa	DMER0300AA: The operation can not be performed due to insufficient capacity of the DP Pool for the LU specified for data pool of a pair in the same group. Check the capacity of the DP Pool.
50300ab	DMER0300AB: The V-VOL of the specified pair is the P-VOL of a remote replication pair. Retry after deleting the remote replication pair.
50300ac	DMER0300AC: Access attribute has been set to the V-VOL of the specified SnapShot pair. Change the attribute to Read/Write and reset S-VOL Disable. If mode is set, reset it using Command Control Interface. Then, delete the pair.
50300ad	DMER0300AD: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
50300ae	DMER0300AE: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
50300af	DMER0300AF: The Full Capacity Mode differs between the P-VOL and data pools. Set the same value for both the Full Capacity Mode of P-VOL and data pools.
50300b0	DMER0300B0: The Full Capacity Mode differs between the P-VOL and data pools. Set the same value for both the Full Capacity Mode of P-VOL and data pools.
50300b1	DMER0300B1: The status of the ShadowImage pair cascading with the specified SnapShot pair is illegal. Check the status of the ShadowImage pair.
50300b2	DMER0300B2: The status of a ShadowImage pair cascading with the specified SnapShot pair is Failure where the ShadowImage pair can not accept Read/Write instructions. Check the pair status.
50300b3	DMER0300B3: The LU ownership of the specified P-VOL is different than the one of the specified data pool. Specify another data pool or check the LU ownership.
50300b4	DMER0300B4: There is a ShadowImage pair in the specified group cascading with another pair. Check the status of the ShadowImage pair.

Error Code	Description
50300b5	DMER0300B5: The specified MU# is illegal. Check the MU#.
50300b6	DMER0300B6: The Point-in-Time of the specified group is disabled. Check the group number.
50300b7	DMER0300B7: There are the maximum number of pairs in the specified group. Check the number of pairs in the specified group.
50300b8	DMER0300B8: There are the maximum number of pairs that do not belong to any group. Check the number of pairs that do not belong to any group.
50300b9	DMER0300B9: The Point-in-Time of the specified group is disabled. Check the group number.
50300ba	DMER0300BA: The status of the specified Replication Data DP Pool or Management Area DP Pool is other than Normal/Regression. Or Replication Data Released Threshold for the DP pool is exceeded. Or the DP pool is depleted. Check the status of the DP pool.
50300bb	DMER0300BB: SnapShot pairs are being deleted. Retry after waiting for a while.
50300bc	DMER0300BC: The specified P-VOL is paired with the maximum number of pairs. Check the number of pairs with the specified P-VOL.
50300bd	DMER0300BD: The P-VOL has not undergone forced parity correction. Retry after executing forced parity correction.
50300be	DMER0300BE: The specified Replication Data DP Pool number or Management Area DP Pool number is beyond the limit. Check the DP pool number.
50300bf	DMER0300BF: The specified Replication Data DP Pool or Management Area DP Pool does not exist. Check the status of the DP pool.
50300c0	DMER0300C0: The specified Replication Data DP Pool or Management Area DP Pool is different from the one that the P-VOL is currently using. Check the specified DP pool number.
50300c1	DMER0300C1: Restore is running in the background. Retry after waiting for a while.
50300c2	DMER0300C2: There is a P-VOL of SnapShot that is cascaded with an S-VOL of Remote Replication whose pair status is Synchronizing or Paired. Check the pair status of Remote Replication.
50300c3	DMER0300C3: There is a P-VOL of SnapShot that is cascaded with an S-VOL of Remote Replication whose pair status is split and whose S-VOL cannot accept read/write instructions. Check the pair status of Remote Replication.
50300c4	DMER0300C4: Pair creation is not available because the Tier Mode for the specified Replication Data DP pool or Management Area DP pool is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
50300c5	DMER0300C5: SnapShot Pair Split has been reserved for the specified group and cycle copy is underway on the Remote Replication pair that is cascaded with the group. Retry after the pair split completes.

Error Code	Description
50300c6	DMER0300C6: The Remote Replication pair status is inappropriate that is cascaded with the P-VOL in the specified group. Confirm the pair status in the Remote Replication group.
50300c7	DMER0300C7: The Remote Replication configuration is inappropriate that is cascaded with the P-VOL in the specified group. Confirm the Remote Replication configuration.
50300c8	DMER0300C8: There is another pair that shares the P-VOL of a pair in the specified group. Confirm the pair configuration in the group.
50300c9	DMER0300C9: The local array of the Remote Replication pair that is cascaded with the P-VOL in the specified group is an unsupported array model for the operation. Confirm the local array model.
50300ca	DMER0300CA: There is another group for which SnapShot Pair Split has been reserved that shares the P-VOL with the specified group. Retry after the pair split for another group completes.
50300ef	DMER0300EF: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number.
50300f0	DMER0300F0: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
50300fa	DMER0300FA: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered.
50300fb	DMER0300FB: The RAID group to which the target LU of changing ownership belongs indicates a status other than Normal. Retry after the status becomes Normal.
5031000	DMER031000: The controller that controls the LU cannot be changed because pinned data exists. Retry after eliminating pinned data.
5031001	DMER031001: The controller that controls the LU cannot be changed temporarily. Retry after waiting for a while.
5031002	DMER031002: The operation to change LU is in progress. Retry after waiting for a while.
5031003	DMER031003: There is no partition to which the current partition is to be changed. Retry after waiting for a while.
5031004	DMER031004: The directory configuration is being changed. Reboot the subsystem.
5031005	DMER031005: The change of a controller that controls the LU resulted in a time-out. Retry after waiting for a while.
5031090	DMER031090: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number.
5031091	DMER031091: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
503109b	DMER03109B: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered.

Error Code	Description
503109c	DMER03109C: The RAID group to which the target LU of changing ownership belongs indicates a status other than Normal. Retry after the status becomes Normal.
5032000	DMER032000: The controller that controls the LU cannot be changed because pinned data exists. Retry after eliminating pinned data.
5032001	DMER032001: The controller that controls the LU cannot be changed temporarily. Retry after waiting for a while.
5032002	DMER032002: The operation to change LU is in progress. Retry after waiting for a while.
5032003	DMER032003: There is no partition to which the current partition is to be changed. Retry after waiting for a while.
5032004	DMER032004: The directory configuration is being changed. Reboot the subsystem.
5032005	DMER032005: The change of a controller that controls the LU resulted in a time-out. Retry after waiting for a while.
5032090	DMER032090: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number.
5032091	DMER032091: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
503209b	DMER03209B: The operation to change LU has become timeout while the controller is recovering. Retry the operation after the controller is recovered.
5050001	DMER050001: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed.
5050002	DMER050002: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed.
5050003	DMER050003: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed.
5050004	DMER050004: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed.
5050005	DMER050005: The P-VOL or S-VOL is being formatted. Retry after the formatting is completed.
5060001	DMER060001: The S-VOL is in the S-VOL Disable mode. Cancel the access attribute.
5060002	DMER060002: The P-VOL is in the S-VOL Disable mode (at the time of restoration). Check the attribute of the LU.
5060003	DMER060003: The S-VOL Disable is specified for the P-VOL (at the time of a restoration only). Cancel the access attribute.
5060004	DMER060004: The S-VOL Disable is specified for the S-VOL. Cancel the access attribute.
5060005	DMER060005: Resynchronization is directed to the ShadowImage pair whose S-VOL is specified as S-VOL Disable. Check the pair attribute of the LU.

Error Code	Description
5060006	DMER060006: The S-VOL Disable is specified for the S-VOL (at the time of a restoration only). Check the pair attribute of the LU.
5070001	DMER070001: The P-VOL or S-VOL has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity.
5070002	DMER070002: The P-VOL is undergoing the forced restoration by means of parity (at the time of restoration). Retry after the restoration by means of parity is completed.
5070003	DMER070003: The S-VOL is undergoing the forced restoration by means of parity. Retry after making the restoration by means of parity.
5070011	DMER070011: The P-VOL has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity.
5070012	DMER070012: The P-VOL is undergoing the forced restoration by means of parity. Retry after the restoration by means of parity is completed.
5070021	DMER070021: The P-VOL or data pool LU has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity.
5070022	DMER070022: The P-VOL is undergoing the forced restoration by means of parity (at the time of a restoration). Retry after parity correction is completed.
5070023	DMER070023: The data pool LU is undergoing the forced restoration by means of parity. Retry after the restoration by means of parity is completed.
5080001	DMER080001: More LUs than supportable ones were specified for LUNs of the P-VOL. Make sure of the number of the specified paired LU.
5080002	DMER080002: More LUs than supportable ones were specified for LUNs of the S-VOL. Make sure of the number of the specified paired LU.
5080003	DMER080003: The P-VOL is in the status other than normal and regressive. Check the status of the LU.
5080004	DMER080004: The S-VOL is in the status other than normal and regressive. Check the status of the LU.
5080005	DMER080005: The primary sequence number is different from the own Array ID. Check the Array ID.
5080006	DMER080006: The secondary sequence number is different from the own Array ID. Check the Array ID.
5080007	DMER080007: The primary port number is not supported. Check the specified port number.
5080008	DMER080008: The secondary port number is not supported. Check the specified port number.
5080009	DMER080009: The P-VOL is a volume of ShadowImage and in the status other than Simplex. Check the pair status of the LU.
508000a	DMER08000A: The S-VOL is a volume of ShadowImage and in the status other than Simplex. Check the pair status of the LU.

Error Code	Description
508000b	DMER08000B: The P-VOL is a Sub LU of a unified LU. Check the status of the LU.
508000c	DMER08000C: The S-VOL is a Sub LU of a unified LU. Check the status of the LU.
508000e	DMER08000E: The P-VOL is a Cache Residency LU. Check the status of the LU.
508000f	DMER08000F: The S-VOL is a Cache Residency LU. Check the status of the LU.
5080010	DMER080010: The P-VOL is reserved as a Cache Residency LU. Check the status of the LU.
5080011	DMER080011: The S-VOL is reserved as a Cache Residency LU. Check the status of the LU.
5080012	DMER080012: The P-VOL is a command device. Check the status of the LU.
5080013	DMER080013: The S-VOL is a command device. Check the status of the LU.
5080014	DMER080014: The LUNs of the P-VOL and S-VOL are the same. Check the specified LU.
5080016	DMER080016: The specified pair is in a status other than Split, Split Pending and Failure. Check the pair status.
5080017	DMER080017: The LU to be paired with the P-VOL is not an S-VOL. Check the specified LU.
5080018	DMER080018: The LUN of the P-VOL is higher than 512 (1,023). Make sure of the number of the specified paired LU.
5080019	DMER080019: The LUN of the S-VOL is higher than 512 (1,023). Make sure of the number of the specified paired LU.
508001a	DMER08001A: The primary sequence number is different from the own Array ID. Check the Array ID.
508001b	DMER08001B: The secondary sequence number is different from the own Array ID. Check the Array ID.
508001c	DMER08001C: The primary port number is not supported. Check the specified port number.
508001d	DMER08001D: The secondary port number is not supported. Check the specified port number.
508001f	DMER08001F: The S-VOL is a volume of ShadowImage and in the pair status of Simplex or Failure. Check the pair status of the LU.
5080020	DMER080020: The LU to be paired with the P-VOL is not an S-VOL. Check the specified LU.
5080021	DMER080021: The status of the P-VOL is other than normal and regressive. Check the status of the LU.
5080022	DMER080022: The status of the S-VOL is other than normal and regressive. Check the status of the LU.

Error Code	Description
5080023	DMER080023: The P-VOL is a Sub LU of a unified LU. Check the status of the LU.
5080024	DMER080024: The S-VOL is a Sub LU of a unified LU. Check the status of the LU.
5080026	DMER080026: The P-VOL has been set to the current Cache Residency LU. Check the status of the LU.
5080027	DMER080027: The S-VOL has been set to the current Cache Residency LU. Check the status of the LU.
5080028	DMER080028: The P-VOL is reserved as a Cache Residency LU. Check the status of the LU.
5080029	DMER080029: The S-VOL is reserved as a Cache Residency LU. Check the status of the LU.
508002a	DMER08002A: The P-VOL is defined as a command device. Check the status of the LU.
508002b	DMER08002B: The S-VOL is defined as a command device. Check the status of the LU.
508002c	DMER08002C: The LUNs of the P-VOL and S-VOL are the same. Check the specified LU.
508002d	DMER08002D: The number of the LU to be paired is different. Check the specified LUN.
508002e	DMER08002E: The number of the LU to be paired is different. Check the specified LUN.
508002f	DMER08002F: The pair status of the P-VOL/S-VOL is other than Simplex, Paired, Paired Internally Synchronizing and Synchronizing. Check the pair status of the LU.
5080030	DMER080030: The LUN of the P-VOL is beyond the limits of support. Check the specified LUN.
5080031	DMER080031: The LUN of the S-VOL is beyond the limits of support. Check the specified LUN.
5080032	DMER080032: The pair attribute of the LU specified for a P-VOL is not a P-VOL. Check the specified LUN.
5080033	DMER080033: The number of the LU to be paired is different. Check the specified LUN.
5080034	DMER080034: The primary sequence number is different from the Array ID. Check the specified primary sequence number.
5080035	DMER080035: The secondary sequence number is different from the Array ID. Check the specified secondary sequence number.
5080036	DMER080036: The primary port number is beyond the limits of support. Check the specified primary port number.
5080037	DMER080037: The secondary port number is beyond the limits of support. Check the specified secondary port number.

Error Code	Description
5080038	DMER080038: A pair in the Failure (S-VOL Switch) status received an instruction to restore. Request that service personnel replace the drives that compose the P-VOL. Format them after the replacement then resynchronize them.
5080039	DMER080039: The specified pair is in the Failure (S-VOL Switch) status. Request that service personnel replace the drives that compose the P-VOL. Format them after the replacement and then resynchronize them.
508003a	DMER08003A: The pair in the Failure (S-VOL Switch) status is undergoing resynchronization. Wait until the resynchronization is completed.
508003b	DMER08003B: The pair in the Failure (S-VOL Switch) status is undergoing resynchronization. Wait until the resynchronization is completed.
508003c	DMER08003C: The group ID is out of appropriate range. Make sure of the specified group ID number.
508003d	DMER08003D: The number of pairs having the same group ID exceeded 32. Make sure of the specified group ID number.
508003e	DMER08003E: The specified P-VOL/S-VOL is not specified to be grouped(Group ID suspension). Check the pair status of the LU.
508003f	DMER08003F: A pair that is in a status other than Paired or Paired Internally Synchronizing is included in the specified group. Check the pair status of LU in the group.
5080046	DMER080046: The DM-LU is not set. Retry after setting the DM-LU.
5080047	DMER080047: The DM-LU was specified as P-VOL. Check the status of the LU.
5080048	DMER080048: The DM-LU was specified as S-VOL. Check the status of the LU.
508004b	DMER08004B: The DM-LU is not set. Retry after setting the DM-LU.
508004c	DMER08004C: The DM-LU was specified as P-VOL. Check the status of the LU.
508004d	DMER08004D: The DM-LU was specified as S-VOL. Check the status of the LU.
508004e	DMER08004E: Validity of the license expired. Purchase the license.
508004f	DMER08004F: Validity of the license expired. Purchase the license.
5080050	DMER080050: An LU, for which a change of the cache partition(s) had been reserved, was specified as a P-VOL. Check the status of the LU.
5080051	DMER080051: An LU, for which a change of the cache partition(s) had been reserved, was specified as an S-VOL. Check the status of the LU.
5080052	DMER080052: An LU, for which a change of the cache partition(s) had been reserved, was specified as a P-VOL. Check the status of the LU.
5080053	DMER080053: An LU, for which a change of the cache partition(s) had been reserved, was specified as an S-VOL. Check the status of the LU.
508005e	DMER08005E: The specified P-VOL is a Remote Replication pair. Check the status of the LU.

Error Code	Description
508005f	DMER08005F: The specified S-VOL is a Remote Replication pair. Check the status of the LU.
5080060	DMER080060: The specified P-VOL is a Remote Replication pair. Check the status of the LU.
5080061	DMER080061: The specified S-VOL is a Remote Replication pair. Check the status of the LU.
5080064	DMER080064: The specified MU# is used within the specified P-VOL. Check the specified MU number.
5080065	DMER080065: One or more volumes of Paired/Synchronizing/Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU.
5080066	DMER080066: One or more volumes of Failure(S-VOL Switch) are under the specified P-VOL. Check the pair status of the LU.
5080067	DMER080067: One or more Failure pairs that are not readable/writable (Failure transition due to a failure during restoration) under the specified P-VOL. Check the pair status of the LU.
5080068	DMER080068: The group ID overlaps within the specified P-VOL at the time of creating the pair of which the group is specified. Make sure of the specified group ID number.
5080069	DMER080069: The pair attribute of the specified P-VOL is not a P-VOL or the pair attribute of the specified S-VOL is not an S-VOL. Check the pair attribute of the LU.
508006a	DMER08006A: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number.
508006b	DMER08006B: One or more volumes of Paired/Synchronizing/Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU.
508006c	DMER08006C: One or more Failure pairs that are not readable/writable (Failure transition due to a failure during the restoration) under the specified P-VOL. Check the pair status of the LU.
508006d	DMER08006D: The pair attribute of the specified P-VOL is not a P-VOL or the pair attribute of the specified S-VOL is not an S-VOL. Check the pair attribute of the LU.
508006e	DMER08006E: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number.
508006f	DMER08006F: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number.
5080070	DMER080070: The specified MU# is used within the specified P-VOL. Check the specified MU number.
5080071	DMER080071: One or more volumes of Paired/Synchronizing/Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU.
5080072	DMER080072: One or more volumes of Failure(S-VOL Switch) are under the specified P-VOL. Check the pair status of the LU.

Error Code	Description
5080073	DMER080073: One or more Failure pairs that are not readable/writable (Failure transition due to a failure during the restoration) under the specified P-VOL. Check the pair status of the LU.
5080074	DMER080074: The specified MU# and the MU# of the specified S-VOL are mismatched. Check the specified MU number.
5080075	DMER080075: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
5080077	DMER080077: The specified P-VOL is the reserved LU. Check the status of the LU.
5080078	DMER080078: The specified S-VOL is the reserved LU. Check the status of the LU.
5080079	DMER080079: The specified S-VOL is undergoing the migration and its status is Split or Failure. Check the pair status of the LU.
5080080	DMER080080: The specified S-VOL is undergoing the migration and its status is Synchronizing or Split. Check the pair status of the LU.
5080081	DMER080081: The specified P-VOL is the reserved LU. Check the pair status of the LU.
5080082	DMER080082: The specified S-VOL is the reserved LU. Check the pair status of the LU.
5080083	DMER080083: The specified S-VOL is undergoing the migration and its status is Synchronizing. Check the pair status of the LU.
5080084	DMER080084: The specified volume is undergoing the migration. Check the pair status of the LU.
5080085	DMER080085: The specified P-VOL is undergoing the migration. Check the pair status of the LU.
5080086	DMER080086: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
5080087	DMER080087: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group.
5080088	DMER080088: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
5080089	DMER080089: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group.
508008a	DMER08008A: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
508008b	DMER08008B: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group.

Error Code	Description
508008c	DMER08008C: When creating a pair specifying a group ID, the specified group ID is already used for a SnapShot pair. Check the specified group ID.
508008d	DMER08008D: The S-VOL is a volume of Remote Replication and in a status other than Split and Failure. Check the status of the Remote Replication pair.
508008e	DMER08008E: The S-VOL is a volume of another Remote Replication pair. Check the status of the Remote Replication pair.
508008f	DMER08008F: An unsupported command option was received. Check the specified value.
5080090	DMER080090: The specified P-VOL has been set to a ShadowImage S-VOL. Check the status of the LU.
5080091	DMER080091: The specified P-VOL has been set to a ShadowImage S-VOL. Check the status of the LU.
5080092	DMER080092: The Migration status is other than unexecuted. Check the Migration status.
5080093	DMER080093: The Migration status is other than unexecuted. Check the Migration status.
5080094	DMER080094: The Migration status is other than unexecuted. Check the Migration status.
5080095	DMER080095: The Migration status is other than unexecuted. Check the Migration status.
5080096	DMER080096: The Migration status is other than unexecuted. Check the Migration status.
5080097	DMER080097: The Migration status is other than unexecuted. Check the Migration status.
5080098	DMER080098: An invalid array ID is received when INQUIRY serial number conversion mode is on in the host group where a command device is mapped. Check the type of the remote array.
5080099	DMER080099: An invalid array ID is received when INQUIRY serial number conversion mode is on in the host group where a command device is mapped. Check the type of the remote array.
508009a	DMER08009A: The Migration status is other than unexecuted. Check the Migration status.
508009b	DMER08009B: One or more volumes of Split Pending/Paired Internally Synchronizing are under the specified P-VOL. Check the pair status of the LU.
508009c	DMER08009C: The S-VOL of the specified pair is a part of another Remote Replication pair. Check the status of the Remote Replication pair.
508009d	DMER08009D: One or more volumes of Split Pending/Paired Internally Synchronizing are under the specified P-VOL. Check the pair status of the LU.
508009e	DMER08009E: The specified pair is in the Split Pending status. Retry after the status becomes Split.

Error Code	Description
508009f	DMER08009F: A pair in the Failure (S-VOL Switch) status received an instruction to resynchronize with Quick mode. Request that service personnel to replace the drives that compose the P-VOL. Format them after the replacement then resynchronize them.
50800a0	DMER0800A0: One or more Failure pairs that are not readable/writable under the specified P-VOL. Check the pair status of the LU.
50800a1	DMER0800A1: The capacity is beyond the limits of support. Split the unnecessary pairs.
50800a2	DMER0800A2: The S-VOL of the specified pair is a part of another Remote Replication pair. Check the status of the Remote Replication pair.
50800a3	DMER0800A3: The P-VOL or the S-VOL has not undergone the forced restoration by means of parity. Retry after making the restoration by means of parity.
50800a4	DMER0800A4: The S-VOL is undergoing the forced restoration by means of parity. Retry after making the restoration by means of parity.
50800a5	DMER0800A5: The disk drives that configure a RAID group to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
50800a6	DMER0800A6: The disk drives that configure a RAID group to which the specified S-VOL belongs have been spun down. Check the status of the RAID group.
50800a7	DMER0800A7: A pair that is in a status other than Paired, Paired Internally Synchronizing or Synchronizing is included in the specified group. Check the pair status of LU in the group.
50800a8	DMER0800A8: A pair that shares the P-VOL with another pair that is in Failure status that are not readable/writable is included in the specified group. Check the pair status of LU in the group.
50800a9	DMER0800A9: The capacity is beyond the limits of support. Split the unnecessary pairs.
50800aa	DMER0800AA: A pair that the S-VOL has been cascaded with a Remote Replication pair is included in the specified group. Check the status of the Remote Replication pair.
50800ab	DMER0800AB: A pair that the P-VOL or the S-VOL has not undergone the forced restoration by means of parity is included in the specified group. Retry after making the restoration by means of parity.
50800ac	DMER0800AC: A pair that the S-VOL is undergoing the forced restoration by means of parity is included in the specified group. Retry after making the restoration by means of parity.
50800ad	DMER0800AD: A pair that the P-VOL belongs a RAID group configured by the disk drives that have been spun down is in the specified group. Check the status of the RAID group.
50800ae	DMER0800AE: A pair that the S-VOL belongs a RAID group configured by the disk drives that have been spun down is in the specified group. Check the status of the RAID group.

Error Code	Description
50800af	DMER0800AF: One or more volumes of Split Pending/Paired Internally Synchronizing are under the specified P-VOL. Check the pair status of the LU.
50800b0	DMER0800B0: The P-VOL or the S-VOL of the specified pair is a volume of another Remote Replication pair. Check the status of the Remote Replication pair.
50800b1	DMER0800B1: The specified pair is in the Split Pending status. Check the pair status of the LU.
50800b2	DMER0800B2: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal.
50800b3	DMER0800B3: An LU that belongs to the RAID group that indicates a status other than Normal is included in the specified group. Retry after the RAID group status becomes Normal.
50800b4	DMER0800B4: The specified pair is in a status other than Split and Failure. Check the pair status.
50800b5	DMER0800B5: The LU that was specified as P-VOL does not exist. Check the specified LUN.
50800b6	DMER0800B6: The LU that was specified as P-VOL does not exist. Check the specified LUN.
50800b7	DMER0800B7: The LU that was specified as S-VOL does not exist. Check the specified LUN.
50800b8	DMER0800B8: The LU that was specified as S-VOL does not exist. Check the specified LUN.
50800b9	DMER0800B9: DP pool is insufficient. Confirm the capacity of DP pool.
50800ba	DMER0800BA: DP pool is insufficient. Confirm the capacity of DP pool.
50800bb	DMER0800BB: DP pool is insufficient. Confirm the capacity of DP pool.
50800bc	DMER0800BC: DP pool is insufficient. Confirm the capacity of DP pool.
50800bd	DMER0800BD: The specified P-VOL is a volume of Remote Replication pair and the specified S-VOL is an LU created in DP pool. Specify an LU other than the LU created in DP pool to S-VOL.
50800be	DMER0800BE: The specified P-VOL is a volume of Remote Replication pair and the specified S-VOL is an LU created in DP pool. Specify an LU other than the LU created in DP pool to S-VOL.
50800bf	DMER0800BF: The specified S-VOL is an LU created in DP pool and the specified P-VOL already has a pair whose S-VOL is a part of remote replication pair. Retry after deleting the remote replication pair.
50800c0	DMER0800C0: The specified S-VOL is an LU created in DP pool and the specified P-VOL already has a pair whose S-VOL is a part of remote replication pair. Retry after deleting the remote replication pair.
50800c1	DMER0800C1: The DP optimization status of the specified P-VOL is not Normal. Check the DP optimization status of the P-VOL.
50800c2	DMER0800C2: The DP optimization status of the specified S-VOL is not Normal. Check the DP optimization status of the S-VOL.

Error Code	Description
50800c3	DMER0800C3: The DP optimization status of the specified P-VOL is not Normal. Check the DP optimization status of the P-VOL.
50800c4	DMER0800C4: The DP optimization status of the specified S-VOL is not Normal. Check the DP optimization status of the S-VOL.
50800c5	DMER0800C5: Management information regarding DP is being updated. Retry after waiting for a while.
50800c6	DMER0800C6: Management information regarding DP is being updated. Retry after waiting for a while.
50800c7	DMER0800C7: Management information regarding DP is being updated. Retry after waiting for a while.
50800c8	DMER0800C8: Management information regarding DP is being updated. Retry after waiting for a while.
50800c9	DMER0800C9: The specified P-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool.
50800ca	DMER0800CA: The specified P-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool.
50800cb	DMER0800CB: The specified S-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool.
50800cc	DMER0800CC: The specified P-VOL can not be read due to insufficient capacity of its DP pool. Check the capacity of the DP pool.
50800cd	DMER0800CD: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
50800ce	DMER0800CE: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
50800cf	DMER0800CF: One or more volumes of Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU.
50800d0	DMER0800D0: Three or more volumes of Paired/Synchronizing/Paired Internally Synchronizing/Split Pending cannot exist under the specified P-VOL. Check the pair status of the LU.
50800d1	DMER0800D1: One or more volumes of Reverse Synchronizing are under the specified P-VOL. Check the pair status of the LU.
50800d2	DMER0800D2: Three or more volumes of Paired/Synchronizing/Paired Internally Synchronizing/Split Pending cannot exist under the specified P-VOL. Check the pair status of the LU.
50800d3	DMER0800D3: Two or more volumes of Split Pending cannot exist under the specified P-VOL. Check the pair status of the LU.
50800d4	DMER0800D4: Two or more volumes of Split Pending cannot exist under the specified P-VOL. Check the pair status of the LU.
50800d5	DMER0800D5: Two or more volumes of Split Pending cannot exist under the specified P-VOL. Check the pair status of the LU.
50800d6	DMER0800D6: Two or more volumes of Split Pending cannot exist under the specified P-VOL. Check the pair status of the LU.

Error Code	Description
50800d7	DMER0800D7: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL.
50800d8	DMER0800D8: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL.
50800d9	DMER0800D9: The status of the SnapShot pair cascading with the specified ShadowImage pair is illegal. Check the status of the SnapShot pair.
50800da	DMER0800DA: The status of a SnapShot pair cascading with the specified ShadowImage pair is Failure where the SnapShot pair can not accept Read/Write instructions. Check the pair status.
50800db	DMER0800DB: The specified LU is a V-VOL. Check the LU.
50800dc	DMER0800DC: The specified S-VOL is the P-VOL of a SnapShot pair. Check the pair status.
50800dd	DMER0800DD: The specified P-VOL already has the maximum number of S-VOLs. Check the number of S-VOL paired with the P-VOL.
50800de	DMER0800DE: Any pair operations can not be performed due to the status of the Remote Replication pair cascading with the S-VOL of the SnapShot pair that shared the P-VOL of the specified ShadowImage pair. Check the status of the Remote Replication pair.
50800df	DMER0800DF: The copy operation can not be performed because the capacity of the DM-LU is depleted. Grow the capacity of DM-LU.
50800e0	DMER0800E0: The internal transaction of the specified LU is working now. Retry after waiting for a while.
50800e1	DMER0800E1: The DM-LU status is invalid. Check the DM-LU status.
50800e2	DMER0800E2: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
50800e3	DMER0800E3: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
50800e4	DMER0800E4: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
50800e5	DMER0800E5: The copy operation can not be performed because the DM-LU has unwritten data. Delete the specified pair.
50800e6	DMER0800E6: The copy operation can not be performed because the DM-LU has unwritten data. Retry the operation per pair.
50800e7	DMER0800E7: The copy operation can not be performed because the DM-LU has unwritten data. Delete the Remote Replication pair that is cascaded with the S-VOL of the specified pair.
5090001	DMER090001: The specified P-VOL is normal or other than regressed. Check the status of the LU.
5090002	DMER090002: The specified P-VOL has been set to the current Cache Residency LU. Check the attribute of the LU.

Error Code	Description
5090003	DMER090003: The specified P-VOL has been set to the reserved Cache Residency LU. Check the attribute of the LU.
5090004	DMER090004: The specified P-VOL has been defined to the command device. Check the attribute of the LU.
5090005	DMER090005: The accepted sequence number is different from the Array ID. Check the Array ID.
5090006	DMER090006: Both of the two paths are abnormal. Check the status of the path.
5090007	DMER090007: The specified P-VOL is a Sub LU of a unified LU. Check the attribute of the LU.
5090009	DMER090009: The status of the Remote Replication pair of the specified P-VOL is other than Simplex. Check the pair status of the LU.
509000a	DMER09000A: The specified P-VOL is a ShadowImage pair. Check the attribute of the LU.
509000b	DMER09000B: The specified P-VOL is a SnapShot V-VOL. Check the attribute of the LU.
509000c	DMER09000C: The group ID is beyond the limits of support. Check the group ID.
509000d	DMER09000D: The pair status of the specified P-VOL is other than Split or Failure. Check the pair status of the LU.
509000e	DMER09000E: The specified P-VOL status is normal or other than regressed. Check the status of the LU.
509000f	DMER09000F: The specified S-VOL is not a pair target LUN. Check the LUN of the S-VOL.
5090010	DMER090010: The accepted sequence number is different from the Array ID. Check the Array ID.
5090011	DMER090011: Both of the two paths are abnormal. Check the status of the path.
5090012	DMER090012: When the unit of pair is specified, the pair status of the specified P-VOL is other than Synchronizing and Paired. Check the pair status of the LU.
5090013	DMER090013: The capacity of Remote Replication pair is beyond the limits. Confirm the capacity of all the SnapShot P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
5090014	DMER090014: The accepted sequence number is different from the Array ID. Check the Array ID.
5090015	DMER090015: The process is in progress. Retry after waiting for a while.
5090016	DMER090016: When the unit of pair is specified, the specified S-VOL is not a pair target LUN. Check the LUN of the specified S-VOL.
5090017	DMER090017: The accepted sequence number is different from the Array ID. Check the Array ID.

Error Code	Description
5090018	DMER090018: The S-VOL pair cancellation instructions was issued to the P-VOL or pair cancellation instructions was issued to the S-VOL. Check the pair attribute of the LU.
5090019	DMER090019: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while.
5090020	DMER090020: The pool LU is not defined. Define the pool LU and retry.
5090021	DMER090021: The specified fence level is STATUS. Make sure of the specified fence level.
5090022	DMER090022: The capacity of Remote Replication pair is beyond the limits. Confirm the capacity of all the SnapShot P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
5090023	DMER090023: The internal pair status of the specified P-VOL is [under pair deletion]. Check the pair status of the LU.
5090025	DMER090025: The forced blockade of a P-VOL was accepted. The forced blockade of a P-VOL is not supported.
5090026	DMER090026: The type of the side file release is other than ordinary splitting. Check the specified value.
5090027	DMER090027: The S-VOL received an instruction. Check the pair attribute of the LU.
5090029	DMER090029: The S-VOL received an instruction. Check the pair attribute of the LU.
509002a	DMER09002A: The P-VOL received an instruction. Check the pair attribute of the LU.
509002b	DMER09002B: When the unit of pair is specified, the pair status of the specified S-VOL is Simplex or Synchronizing. Check the pair status of the LU.
509002c	DMER09002C: The accepted sequence number is different from the Array ID. Check the Array ID.
509002d	DMER09002D: The specified MU number is beyond the limits (0 to13) of support. Check the specified MU number.
5090030	DMER090030: The S-VOL received an instruction. Check the pair attribute of the LU.
5090032	DMER090032: The RAID group, to which the specified P-VOL belongs, is RAID 0. Check the RAID level of the specified LU.
5090036	DMER090036: The specified P-VOL is a SnapShot P-VOL and it is being restored. Check the pair status of the SnapShot.
5090037	DMER090037: The specified P-VOL is a SnapShot P-VOL and its status was changed to Failure during restoration. Check the pair status of the SnapShot.
5090038	DMER090038: There is no vacancy in the generation bits. Retry after waiting for a while.
5090039	DMER090039: There is one or more pair(s) in the status of [under execution of remote SnapShot split] in the target group. Check the pair

Error Code	Description
	status of each LU in the target group. It is required to wait until the process is completed.
509003a	DMER09003A: There is one or more pair(s) in the status of [under pair splitting] in the target group. Check the pair status of each LU in the target group. It is required to wait until the process is completed.
509003c	DMER09003C: There is one or more pair(s) in the status of [under pair deletion] in the target group. Check the pair status of each LU in the target group. It is required to wait until the process is completed.
509003d	DMER09003D: The specified P-VOL is a SnapShot P-VOL and it is being restored. Check the pair status of the SnapShot.
509003e	DMER09003E: The specified P-VOL is a SnapShot P-VOL and its status was changed to Failure during restoration. Check the pair status of the SnapShot.
509003f	DMER09003F: There is no pair, which is in the Paired status, in the target group. Check the pair status of each LU in the target group.
5090042	DMER090042: When the unit of pair is specified, the pair status of the specified pair is Split (no reading/writing allowed). Check the pair status.
5090044	DMER090044: When the unit of group is specified, there is one or more pair(s) placed in the Split status (no reading/writing allowed) in the group. Check the pair status of each LU in the target group.
5090045	DMER090045: When the unit of group is specified, there is no pair that is in the Paired, Split, or Failure status in the group. Check the pair status of each LU in the target group.
5090046	DMER090046: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under pair splitting]. Check the pair status of the LU. It is required to wait until the process is completed.
5090047	DMER090047: The specified P-VOL has the incomplete DDCB. Check the status of the LU.
5090048	DMER090048: The specified P-VOL has unwritten data. Contact the service personnel.
5090049	DMER090049: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under pair deletion]. Check the pair status of the LU. It is required to wait until the process is completed.
509004b	DMER09004B: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under execution of remote SnapShot split]. Check the pair status of the LU. It is required to wait until the process is completed.
509004c	DMER09004C: When the unit of group is specified, there is one or more pair(s) that is in the status of [under pair splitting] in the group. Check the pair status of each LU in the target group.
509004d	DMER09004D: The DM-LU is not defined. Define the DM-LU.
509004e	DMER09004E: The specified P-VOL has been set to the DM-LU. Check the attribute of the LU.
509004f	DMER09004F: Validity of the license expired. Purchase the license.

Error Code	Description
5090050	DMER090050: When the unit of group is specified, there is one or more pair(s) that is in the status of [under pair deletion] in the group. Check the pair status of each LU in the target group.
5090052	DMER090052: When the unit of group is specified, there is one or more pair(s) that is in the status of [under execution of remote SnapShot split] in the group. Check the pair status of each LU in the target group.
5090053	DMER090053: When the unit of group is specified, there is no pair, which is in the Synchronizing or Paired status, in the target group. Check the pair status of each LU in the target group.
5090054	DMER090054: The pair cancellation instructions was executed for the range that was not supported. Check the specified value.
5090055	DMER090055: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under pair splitting]. Check the pair status of the LU. It is required to wait until the process is completed.
5090057	DMER090057: When the unit of pair is specified, the internal status of the pair of the specified P-VOL is [under execution of remote SnapShot split]. Check the pair status of the LU. It is required to wait until the process is completed.
5090059	DMER090059: The determined data at the end of the previous cycle is being restored to the S-VOL. Retry after waiting for a while.
509005a	DMER09005A: When the unit of group is specified, there is one or more pair(s) that is in the status of [under pair splitting] in the group. Check the pair status of each LU in the target group.
509005c	DMER09005C: When the unit of group is specified, there is one or more pair(s) that is in the status of [under execution of remote SnapShot split] in the group. Check the pair status of each LU in the target group.
509005e	DMER09005E: When the unit of group is specified, an S-VOL exists in the target group to which the determined data at the end of the previous cycle is being restored. Check the pair status of each LU in the target group.
5090068	DMER090068: There is the S-VOL pair whose direction is not correct in the indicated group. Check the group ID.
5090069	DMER090069: The partition to which the LU belongs is being changed to the other directory. Retry after waiting for a while.
509006b	DMER09006B: There is no pair, which is in the Paired status, in the target group. Check the pair status of each LU in the target group.
509006c	DMER09006C: The subsystem has not been rebooted after the Remote Replication option was unlocked. Reboot the subsystem.
509006d	DMER09006D: The specified P-VOL is a unified LU including an LU with a capacity less than 1 GB. Check the attribute of the LU.
509006e	DMER09006E: The specified P-VOL is the pool LU. Check the attribute of the LU.
509006f	DMER09006F: The pool LU status is normal or other than regressed. Check the status of the pool LU.

Error Code	Description
5090070	DMER090070: The pool LU is undergoing the forced parity correction. Check the status of the pool LU.
5090071	DMER090071: It is exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Delete unnecessary pairs.
5090072	DMER090072: The remote SnapShot split request was accepted. Check the firmware version.
5090073	DMER090073: The pair status of the specified S-VOL does not allow you to create a pair. Check the pair status of the specified S-VOL on both local and remote arrays.
5090074	DMER090074: The suspension command was accepted with a specification of the unit of pair. The specification of the unit of pair is not supported.
5090075	DMER090075: The specified P-VOL is a unified LU whose component LUs include an LU for which the format operation is being performed. Check the attribute of the LU.
5090076	DMER090076: The specified P-VOL is being formatted. Check the attribute of the LU.
5090077	DMER090077: The state of the forced parity correction for the specified P-VOL is Uncorrected or Uncorrected 2. Check the status of the LU.
5090078	DMER090078: The specified P-VOL has not undergone the forced parity correction. Retry it after executing the forced parity correction.
509007b	DMER09007B: There is one or more pair(s) in the status of Split or Failure of [under pair deletion] in the target group. Check the pair status of the LU. It is required to wait until the process is completed.
509007c	DMER09007C: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while.
509007d	DMER09007D: The pool LU status is normal or other than regressed. Check the status of the pool LU.
509007e	DMER09007E: The pool LU is undergoing the forced parity correction. Retry after waiting for a while.
509007f	DMER09007F: There is one or more P-VOL(s), the status of the forced parity correction for which is Uncorrected or Uncorrected 2, in the target group. Check the status of each LU in the target group.
5090080	DMER090080: There is one or more P-VOL(s), status is normal or other than regressed, in the target group. Check the status of each LU in the target group.
5090081	DMER090081: There is one or more Remote Replication P-VOL(s), which is cascaded with a SnapShot P-VOL being restored, in the target group. Check the status of each LU in the target group.
5090082	DMER090082: There is one or more Remote Replication P-VOL(s), which is cascaded with a SnapShot P-VOL that was placed in the Failure status during restoration, in the target group. Check the status of each LU in the target group.
5090083	DMER090083: There is no pair, which is in the Split or Failure status, in the target group. Check the pair status of each LU in the target group.

Error Code	Description
5090084	DMER090084: When a pair is created in the new group, the cycle time that has been set is less than [30 x number of groups] seconds. Check the cycle time that has been set.
5090085	DMER090085: When the unit of pair is specified, the S-VOL of the target pair has not completed the resynchronization after it accepted the resynchronization command. Check the Remote Replication pair status of the remote array.
5090086	DMER090086: When the unit of group is specified, there is one or more S-VOL(s), which has not completed the resynchronization after it accepted the resynchronization command, in the target group. Check the Remote Replication pair status of the remote array.
5090087	DMER090087: There are one or more pairs in the status of [under pair splitting] or [under pair competing] in the group. Retry after waiting for a while.
5090088	DMER090088: The specified P-VOL is the reserved LU. Check the status of the LU.
5090089	DMER090089: The specified P-VOL is undergoing the migration. Check the pair status of the LU.
509008a	DMER09008A: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
509008b	DMER09008B: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.
509008c	DMER09008C: There are one or more Remote Replication P-VOLs corresponding to a RAID group that belongs to the group concerned and the disk drives that configure the RAID group have been spun down. Check the status of the RAID group.
509008d	DMER09008D: The primary pool ID is beyond the limits of supported. Check the pool ID.
509008e	DMER09008E: The secondary pool ID is beyond the limits of supported. Check the pool ID.
509008f	DMER09008F: The specified pool ID differs from the pool ID in use. Check the pool ID.
5090090	DMER090090: Swap pair has been issued to the Remote Replication pair with AMS500 or AMS1000. The swap command is not supported in this configuration.
5090091	DMER090091: The Swap operation was received in the P-VOL. Check the pair attribute of the LU.
5090092	DMER090092: The Swap operation was received by specifying the pair unit. Please confirm the operation and try again.
5090093	DMER090093: The LU whose pair status is not Takeover exists in the target group. Check the pair status of each LU in the target group.
5090094	DMER090094: An S-VOL exists in the target group to which the determined data at the end of the previous cycle is being restored. Check the pair status of each LU in the target group.

Error Code	Description
5090095	DMER090095: There is a pair that is a status of Takeover and also deleted just in the Local Array in the group. Delete the pair, that is a status of Takeover in the group, not only in the Local Array but also in the Remote Array. Then execute again.
5090096	DMER090096: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while.
5090097	DMER090097: The pool LU status is normal or other than regressed. Check the status of the pool LU.
5090098	DMER090098: The pool LU is undergoing the forced parity correction. Check the status of the pool LU.
5090099	DMER090099: There is one or more S-VOL(s), the status of the forced parity correction for which is Uncorrected or Uncorrected 2, in the target group. Check the status of each LU in the target group.
509009a	DMER09009A: There is one or more S-VOL(s), status is normal or other than regressed, in the target group. Check the status of each LU in the target group.
509009b	DMER09009B: There is one or more Remote Replication S-VOL(s), which is cascaded with a SnapShot P-VOL being restored, in the target group. Check the status of each LU in the target group.
509009c	DMER09009C: There is one or more Remote Replication S-VOL(s), which is cascaded with a SnapShot P-VOL that was placed in the Failure status during restoration, in the target group. Check the status of each LU in the target group.
509009d	DMER09009D: There exists an S-VOL of a Remote Replication pair, the RAID group which belongs to is in Power Saving mode. Check the status of LUs in the group.
509009e	DMER09009E: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
509009f	DMER09009F: The specified secondary sequence number does not match with the remote side array serial number. Check the specified command device number.
50900a0	DMER0900A0: The command cannot execute because the Auto Migration is undergoing. Check the Migration status.
50900a1	DMER0900A1: The command cannot execute because the Auto Migration is undergoing. Check the Migration status.
50900a2	DMER0900A2: The command cannot execute because the Auto Migration is undergoing. Check the Migration status.
50900a3	DMER0900A3: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal.
50900a4	DMER0900A4: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is specified when the pair operation or used by specified pair. Retry after the RAID group status becomes Normal.

Error Code	Description
50900a5	DMER0900A5: An LU that belongs to the RAID group that indicates a status other than Normal is included in the group to which the specified pair belongs. Retry after the RAID group status becomes Normal.
50900a6	DMER0900A6: An LU that belongs to the RAID group that indicates a status other than Normal is included in the data pool that is used by pairs that belong to the same group as the specified pair. Retry after the RAID group status becomes Normal.
50900a7	DMER0900A7: The LU created in DP pool was specified as P-VOL. Specify an LU other than the LU created in DP pool.
50900a8	DMER0900A8: The LU that was specified as P-VOL does not exist. Check the specified LUN.
50900a9	DMER0900A9: Management information of Dynamic Provisioning is being updated. Retry after waiting for a while.
50900aa	DMER0900AA: The operation can not be performed due to insufficient capacity of the DP Pool for the specified P-VOL. Check the capacity of the DP Pool.
50900ab	DMER0900AB: The operation can not be performed due to insufficient capacity of the DP Pool for the P-VOL of a pair in the same group. Check the capacity of the DP Pool.
50900ac	DMER0900AC: The operation can not be performed due to insufficient capacity of the DP Pool for the S-VOL of a pair in the same group. Check the capacity of the DP Pool.
50900ad	DMER0900AD: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
50900ae	DMER0900AE: The process of reconfigure memory is in progress. Retry after the process of reconfigure memory is completed.
50900af	DMER0900AF: The Full Capacity Mode differs between the target LU and data pools. Set the same value for both the Full Capacity Mode of target LU and data pools.
50900b0	DMER0900B0: The specified Replication Data DP pool number or Management Area DP pool number for the local array is beyond the limit. Check the DP pool number.
50900b1	DMER0900B1: The specified Replication Data DP pool number or Management Area DP pool number for the remote array is beyond the limit. Check the DP pool number.
50900b2	DMER0900B2: There are the maximum number of groups for Remote Replication. Check the number of groups for Remote Replication.
50900b3	DMER0900B3: The specified Replication Data DP pool or Management Area DP pool does not exist. Check the status of the DP pool.
50900b4	DMER0900B4: The status of the specified Replication Data DP pool or Management Area DP pool is other than Normal/Regression. Or Replication Data Released Threshold for the DP pool is exceeded. Or the DP pool is depleted. Check the status of the DP pool.
50900b5	DMER0900B5: The specified Replication Data DP pool or Management Area DP pool is different from the one that the P-VOL is currently using. Check the specified DP pool number.

Error Code	Description
50900b6	DMER0900B6: Remote Replication pairs are being deleted. Retry after waiting for a while.
50900b7	DMER0900B7: There are the maximum number of Remote Replication pairs. Check the number of pairs.
50900b8	DMER0900B8: The pair status of the specified S-VOL is invalid. Check the pair status.
50900b9	DMER0900B9: Any pair in the specified group is not in the pair status where the operation can be performed. Check the pair status.
50900ba	DMER0900BA: There is a pair in the specified group whose pair status is Busy. Retry after waiting for a while.
50900bb	DMER0900BB: The local array has created a remote replication pair with another array. Confirm the pair status.
50900bc	DMER0900BC: The local array can not execute pair creation with the specified remote array because the maximum number of connected arrays is beyond the limits. Retry after deleting all the remote replication pairs with any of the arrays connected with the local array.
50900bd	DMER0900BD: The specified group is used for remote replication pairs with another array. Try again with a group number that has not been assigned to the other pairs.
50900be	DMER0900BE: The remote path connecting to the specified remote array does not exist. Retry after creating the remote path from the local array to the remote array with the specified remote Array ID.
50900bf	DMER0900BF: Pair creation is not available because the Tier Mode for the specified Replication Data DP pool or Management Area DP pool is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
50a0001	DMER0A0001: The Volume Migration optional feature is invalid. Install the Volume Migration optional feature.
50a0002	DMER0A0002: The temporary key of the Volume Migration was expired. Purchase the license.
50a0003	DMER0A0003: The status of the specified P-VOL is other than normal and regressive. Check the status of the LU.
50a0004	DMER0A0004: The status of the specified S-VOL is other than normal and regressive. Check the status of the LU.
50a0005	DMER0A0005: The status of the parity correction of the specified P-VOL is Uncorrected or Uncorrected 2. Skip the parity correction or execute the parity correction, and wait for the completion of the correction. Re-execute it after performing the operation.
50a0006	DMER0A0006: The status of the parity correction of the specified S-VOL is correcting, waiting correction, Uncorrected, or Uncorrected 2. Skip the parity correction or execute the parity correction, and wait for the completion of the correction. Re-execute it after performing the operation.
50a0007	DMER0A0007: The specified P-VOL has created a Volume Migration pair. Check the pair status of the LU.

Error Code	Description
50a0008	DMER0A0008: The specified S-VOL has created a Volume Migration pair. Check the pair status of the LU.
50a0009	DMER0A0009: The specified P-VOL has created a ShadowImage pair. Check the pair status of the LU.
50a000a	DMER0A000A: The specified S-VOL has created a ShadowImage pair. Check the pair status of the LU.
50a000b	DMER0A000B: The specified P-VOL is a command device. Check the status of the LU.
50a000c	DMER0A000C: The specified S-VOL is a command device. Check the status of the LU.
50a000d	DMER0A000D: The specified P-VOL has created a Remote Replication pair. Check the pair status of the LU.
50a000e	DMER0A000E: The specified S-VOL has created a Remote Replication pair. Check the pair status of the LU.
50a000f	DMER0A000F: The specified P-VOL has created a Remote Replication pair. Check the pair status of the LU.
50a0010	DMER0A0010: The specified S-VOL has created a Remote Replication pair. Check the pair status of the LU.
50a0011	DMER0A0011: The P-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU.
50a0012	DMER0A0012: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU.
50a0013	DMER0A0013: The specified P-VOL has created a SnapShot pair. Check the pair status of the LU.
50a0014	DMER0A0014: The specified S-VOL has created a SnapShot pair. Check the pair status of the LU.
50a0015	DMER0A0015: The specified P-VOL is the pool LU. Check the pair status of the LU.
50a0016	DMER0A0016: The specified S-VOL is the pool LU. Check the pair status of the LU.
50a0017	DMER0A0017: The specified P-VOL is being formatted. Retry after the formatting is completed.
50a0018	DMER0A0018: The specified S-VOL is being formatted. Retry after the formatting is completed.
50a0019	DMER0A0019: The specified P-VOL is the DM-LU. Check the status of the LU.
50a001a	DMER0A001A: The specified S-VOL is the DM-LU. Check the status of the LU.
50a001b	DMER0A001B: The DM-LU is not set. Retry after setting the DM-LU.
50a001c	DMER0A001C: The specified P-VOL has unwritten data. Check the status of the LU.

Error Code	Description
50a001d	DMER0A001D: The pair cannot be allocated the differential bit map. Split the unnecessary pairs.
50a001e	DMER0A001E: The specified P-VOL is a SubLU of a unified LU. Check the status of the LU.
50a001f	DMER0A001F: The specified S-VOL is a SubLU of a unified LU. Check the status of the LU.
50a0020	DMER0A0020: The size of the specified P-VOL and the S-VOL are not the same. Specify an LU that the same size.
50a0021	DMER0A0021: The DIRs in charge of the specified P-VOL and the S-VOL are not the same. Specify an LU that belongs to the same DIR.
50a0022	DMER0A0022: The LUNs of the specified P-VOL and S-VOL are the same. Check the specified LUN.
50a0023	DMER0A0023: There exist maximum number of pairs already (included ShadowImage pairs). Split the unnecessary pairs.
50a0024	DMER0A0024: The specified P-VOL is the LU, for which a change of the cache partition(s) had been reserved. Retry after releasing the reserved status.
50a0025	DMER0A0025: The specified S-VOL is the LU, for which a change of the cache partition(s) had been reserved. Retry after releasing the reserved status.
50a0026	DMER0A0026: The RAID group of the specified P-VOL and S-VOL are the same. Specify a different RAID group.
50a0027	DMER0A0027: The specified P-VOL is the reserved LU. Check the status of the LU.
50a0028	DMER0A0028: The specified S-VOL is the reserved LU. Check the status of the LU.
50a0029	DMER0A0029: The access level of the specified S-VOL is other than the ordinary one. Check the access revel of the LU.
50a002c	DMER0A002C: The specified MU number is 8 or higher. Make sure of the specified MU number.
50a002d	DMER0A002D: The specified primary port number is beyond the limits of support. Check the specified primary port number.
50a002e	DMER0A002E: The specified secondary port number is beyond the limits of support. Check the specified secondary port number.
50a002f	DMER0A002F: The specified primary sequence number is different from the own Array ID. Check the specified primary sequence number.
50a0030	DMER0A0030: The specified secondary sequence number is different from the own Array ID. Check the specified secondary sequence number.
50a0031	DMER0A0031: The pair concerned is the one that the instruction to start the migration was issued by Navigator etc. Check the owner ID of the specified pair.
50a0032	DMER0A0032: The disk drives that configure a RAID group, to which the specified P-VOL belongs have been spun down. Check the status of the RAID group.

Error Code	Description
50a0033	DMER0A0033: The disk drives that configure a RAID group, to which the specified S-VOL belongs have been spun down. Check the status of the RAID group.
50a0034	DMER0A0034: The Migration status is [data is being copied], [data copy fails], or [data copy is completed]. Check the Migration status.
50a0035	DMER0A0035: The Migration status is [access path is being switched] or [access path switching fails]. Check the Migration status.
50a0036	DMER0A0036: The RAID group to which the specified LU belongs indicates a status other than Normal. Retry after the status becomes Normal.
5810001	DMER810001: Both of the two paths of the remote array were detached. Check the status of the path.
5810002	DMER810002: The process is in progress. Retry after waiting for a while.
5810003	DMER810003: The process is in progress. Retry after waiting for a while.
5810004	DMER810004: The process is in progress. Retry after waiting for a while.
581000a	DMER81000A: The remote array is receiving a command. Retry after waiting for a while.
581000f	DMER81000F: The path of the remote array was detached. Check the status of the path.
581002c	DMER81002C: The process is in progress. Retry after waiting for a while.
581002d	DMER81002D: The S-VOL of the remote array is being formatted. Retry after waiting for a while.
581002e	DMER81002E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581002f	DMER81002F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5810030	DMER810030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5810031	DMER810031: The specified S-VOL is already paired by a different array. Check the pair information.
5810033	DMER810033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
5810034	DMER810034: A command error occurred. Retry after waiting for a while.
5810035	DMER810035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5810036	DMER810036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the LU that will be S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal.

Error Code	Description
5810037	DMER810037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and group number. Or the copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry. Or the status of the object LU is other than normal and regression. Make the status of the object LU normal or regression. Or the Full Capacity Mode is not supported. Check the firmware version of array.
5810038	DMER810038: Both of the two paths of the remote array were detached. Check the status of the path.
5810039	DMER810039: The process is in progress. Retry after waiting for a while.
581003a	DMER81003A: The remote array is busy. Retry after waiting for a while.
581003e	DMER81003E: The S-VOL command is receiving a command. Retry after waiting.
5810042	DMER810042: The capacity is beyond the limits of support. Eliminate unnecessary pairs of the remote array.
5810058	DMER810058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel.
5810060	DMER810060: The path of the local subsystem is abnormal. Check the status of the path.
5810061	DMER810061: The path of the local subsystem is abnormal. Check the status of the path.
5810062	DMER810062: The path of the local subsystem is abnormal. Check the status of the path.
5810063	DMER810063: The path of the local subsystem is abnormal. Check the status of the path.
58100d4	DMER8100D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem.
58100d9	DMER8100D9: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication and the status of the RAID group to which the target LU belongs. Retry after waiting the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal.
58100e0	DMER8100E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58100e5	DMER8100E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58100e8	DMER8100E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array.
58100ef	DMER8100EF: The copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for

Error Code	Description
	either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry.
58100f3	DMER8100F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58100fb	DMER8100FB: The pair operation command is a time-out. Check the connection environment between the arrays.
5810103	DMER810103: The copy operation can not be performed because the capacity of the DM-LU is depleted. Grow the capacity of DM-LU.
5810106	DMER810106: The internal transaction of the specified LU is working now. Retry after waiting for a while.
5810109	DMER810109: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
581010c	DMER81010C: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581010f	DMER81010F: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5810112	DMER810112: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5810115	DMER810115: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.
5811001	DMER811001: Both of the two paths of the remote array were detached. Check the status of the path.
5811002	DMER811002: The process is in progress. Retry after waiting for a while.
5811003	DMER811003: The process is in progress. Retry after waiting for a while.
5811004	DMER811004: The process is in progress. Retry after waiting for a while.
581100a	DMER81100A: The remote array is receiving a command. Retry after waiting for a while.
581100f	DMER81100F: The path of the remote array was detached. Check the status of the path.
581102c	DMER81102C: The process is in progress. Retry after waiting for a while.
581102d	DMER81102D: The S-VOL of the remote array is being formatted. Retry after waiting for a while.
581102e	DMER81102E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581102f	DMER81102F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5811030	DMER811030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5811031	DMER811031: The specified S-VOL is already paired by a different array. Check the pair information.

Error Code	Description
5811033	DMER811033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
5811034	DMER811034: A command error occurred. Retry after waiting for a while.
5811035	DMER811035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5811036	DMER811036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the LU that will be S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal.
5811037	DMER811037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number. Or the status of the object LU is other than normal and regression. Make the status of the object LU normal or regression. Or the Full Capacity Mode is not supported. Check the firmware version of array.
5811038	DMER811038: Both of the two paths of the remote array were detached. Check the status of the path.
5811039	DMER811039: The process is in progress. Retry after waiting for a while.
581103a	DMER81103A: The remote array is busy. Retry after waiting for a while.
581103e	DMER81103E: The S-VOL command is receiving a command. Retry after waiting for a while.
5811042	DMER811042: The capacity is beyond the limits of support. Delete unnecessary pairs of the remote array.
5811058	DMER811058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel.
58110d4	DMER8110D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem.
58110e0	DMER8110E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58110e5	DMER8110E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58110e8	DMER8110E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array.
58110f3	DMER8110F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5811103	DMER811103: The copy operation can not be performed because the capacity of the DM-LU is depleted. Grow the capacity of DM-LU.
5811106	DMER811106: The internal transaction of the specified LU is working now. Retry after waiting for a while.

Error Code	Description
5811109	DMER811109: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
581110c	DMER81110C: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581110f	DMER81110F: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5811112	DMER811112: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5811115	DMER811115: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.
5812001	DMER812001: Both of the two paths of the remote array were detached. Check the status of the path.
5812002	DMER812002: The process is in progress. Retry after waiting for a while.
5812003	DMER812003: The process is in progress. Retry after waiting for a while.
5812004	DMER812004: The process is in progress. Retry after waiting for a while.
581200a	DMER81200A: The remote array is receiving a command. Retry after waiting for a while.
581200f	DMER81200F: The path of the remote array was detached. Check the status of the path.
581202c	DMER81202C: The process is in progress. Retry after waiting for a while.
581202d	DMER81202D: The S-VOL of the remote array is being formatted. Retry after waiting for a while.
581202e	DMER81202E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581202f	DMER81202F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5812030	DMER812030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5812031	DMER812031: The target LU of the remote array is already paired by a different array. Check the pair information.
5812033	DMER812033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
5812034	DMER812034: A command error occurred. Retry after waiting for a while.
5812035	DMER812035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5812036	DMER812036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal.
5812037	DMER812037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and group

Error Code	Description
	number. Or the copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry.
5812038	DMER812038: Both of the two paths of the remote array were detached. Check the status of the path.
5812039	DMER812039: The process is in progress. Retry after waiting for a while.
581203a	DMER81203A: The remote array is busy. Retry after waiting for a while.
581203e	DMER81203E: The S-VOL command is receiving a command. Retry after waiting for a while.
58120d4	DMER8120D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem.
58120e0	DMER8120E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58120e5	DMER8120E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58120e8	DMER8120E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array.
58120ef	DMER8120EF: The copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry.
58120f3	DMER8120F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5812109	DMER812109: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
581210c	DMER81210C: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581210f	DMER81210F: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5812112	DMER812112: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5812115	DMER812115: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.
5813001	DMER813001: Both of the two paths of the remote array were detached. Check the status of the path.
5813002	DMER813002: The process is in progress. Retry after waiting for a while.
5813003	DMER813003: The process is in progress. Retry after waiting for a while.
5813004	DMER813004: The process is in progress. Retry after waiting for a while.

Error Code	Description
581300a	DMER81300A: The remote array is receiving a command. Retry after waiting for a while.
581300f	DMER81300F: The path of the remote array was detached. Check the status of the path.
581301e	DMER81301E: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the pair status of the LU, the status of the RAID group to which the target LU belongs, and reconfigure memory status, the status of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Retry after the process of reconfigure memory is completed if it is in progress. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU.
581302c	DMER81302C: The process is in progress. Retry after waiting for a while.
581302d	DMER81302D: The S-VOL of the remote array is being formatted. Retry after waiting for a while.
581302e	DMER81302E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581302f	DMER81302F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5813030	DMER813030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5813031	DMER813031: The target LU of the remote array is already paired by a different array. Check the pair information.
5813033	DMER813033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
5813034	DMER813034: A command error occurred. Retry after waiting for a while.
5813035	DMER813035: The optional feature of Remote Replication of the remote array is locked. Unlock and enable the optional feature. Or, the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5813036	DMER813036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal.
5813037	DMER813037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number.
5813038	DMER813038: Both of the two paths of the remote array were detached. Check the status of the path.
5813039	DMER813039: The process is in progress. Retry after waiting for a while.
581303a	DMER81303A: The remote array is busy. Retry after waiting for a while.

Error Code	Description
581303e	DMER81303E: The S-VOL command is receiving a command. Retry after waiting for a while.
58130d4	DMER8130D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem.
58130d9	DMER8130D9: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the Array ID, pair status of Local and Remote Replication, the status of the RAID group to which the target LU belongs, and reconfigure memory status, the status of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Retry after the process of reconfigure memory is completed if it is in progress. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU.
58130de	DMER8130DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58130e0	DMER8130E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58130e2	DMER8130E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed.
58130e3	DMER8130E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58130e5	DMER8130E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58130e8	DMER8130E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array.
58130f2	DMER8130F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58130f3	DMER8130F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5813107	DMER813107: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
5813109	DMER813109: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
581310a	DMER81310A: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581310c	DMER81310C: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581310d	DMER81310D: Pinned data exists in the DM-LU. Retry after eliminating pinned data.

Error Code	Description
581310f	DMER81310F: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5813110	DMER813110: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5813112	DMER813112: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5814001	DMER814001: Both of the two paths of the remote array were detached. Check the status of the path.
5814002	DMER814002: The process is in progress. Retry after waiting for a while.
5814003	DMER814003: The process is in progress. Retry after waiting for a while.
5814004	DMER814004: The process is in progress. Retry after waiting for a while.
581400a	DMER81400A: The remote array is receiving a command. Retry after waiting for a while.
581400f	DMER81400F: The path of the remote array was detached. Check the status of the path.
581401e	DMER81401E: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the pair status of the LU, the RAID group status, and reconfigure memory status, the status of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Retry after the process of reconfigure memory is completed if it is in progress. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU.
581402c	DMER81402C: The process is in progress. Retry after waiting for a while.
581402d	DMER81402D: The S-VOL of the remote array is being formatted. Retry after waiting for a while.
581402e	DMER81402E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581402f	DMER81402F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5814030	DMER814030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5814031	DMER814031: The target LU of the remote array is already paired by a different array. Check the pair information.
5814033	DMER814033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
5814034	DMER814034: A command error occurred. Retry after waiting for a while.
5814035	DMER814035: The optional feature of Remote Replication of the remote array is locked. Unlock and enable the optional feature. Or, the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.

Error Code	Description
5814036	DMER814036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal.
5814037	DMER814037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and CTG number.
5814038	DMER814038: Both of the two paths of the remote array were detached. Check the status of the path.
5814039	DMER814039: The process is in progress. Retry after waiting for a while.
581403a	DMER81403A: The remote array is busy. Retry after waiting for a while.
581403e	DMER81403E: The S-VOL command is receiving a command. Retry after waiting for a while.
58140d4	DMER8140D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem.
58140d9	DMER8140D9: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the Array ID, pair status of Local and Remote Replication, the status of the RAID group to which the target LU belongs, and reconfigure memory status, the status of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Retry after the process of reconfigure memory is completed if it is in progress. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU.
58140de	DMER8140DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58140e0	DMER8140E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58140e2	DMER8140E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed.
58140e3	DMER8140E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58140e5	DMER8140E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58140e8	DMER8140E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array.
58140f2	DMER8140F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58140f3	DMER8140F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.

Error Code	Description
5814107	DMER814107: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
5814109	DMER814109: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
581410a	DMER81410A: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581410c	DMER81410C: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581410d	DMER81410D: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
581410f	DMER81410F: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5814110	DMER814110: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5814112	DMER814112: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5815001	DMER815001: Both of the two paths of the remote array were detached. Check the status of the path.
5815002	DMER815002: The process is in progress. Retry after waiting for a while.
5815003	DMER815003: The process is in progress. Retry after waiting for a while.
5815004	DMER815004: The process is in progress. Retry after waiting for a while.
581500a	DMER81500A: The remote array is receiving a command. Retry after waiting for a while.
581500f	DMER81500F: The path of the remote array was detached. Check the status of the path.
581502c	DMER81502C: The process is in progress. Retry after waiting for a while.
581502d	DMER81502D: The S-VOL of the remote array is being formatted. Retry after waiting for a while.
581502e	DMER81502E: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581502f	DMER81502F: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5815030	DMER815030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5815031	DMER815031: The target LU of the remote array is already paired by a different array. Check the pair information.
5815033	DMER815033: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
5815034	DMER815034: A command error occurred. Retry after waiting for a while.
5815035	DMER815035: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature. Or the process

Error Code	Description
	of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5815036	DMER815036: The process is in progress. Retry after waiting for a while. In case that the RAID group to which the S-VOL belongs indicate a status other than Normal, retry after the status becomes Normal.
5815037	DMER815037: The remote array is busy. Retry after checking the pair status of the LU, Array ID, number of the connected arrays, and group number. Or the copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry.
5815038	DMER815038: Both of the two paths of the remote array were detached. Check the status of the path.
5815039	DMER815039: The process is in progress. Retry after waiting for a while.
581503a	DMER81503A: The remote array is busy. Retry after waiting for a while.
581503e	DMER81503E: The S-VOL command is receiving a command. Retry after waiting for a while.
58150d4	DMER8150D4: The LU which has been indicated as S-VOL in the remote subsystem is P-VOL now. Confirm the LU status in the remote subsystem.
58150e0	DMER8150E0: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58150e5	DMER8150E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58150e8	DMER8150E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with another array.
58150ef	DMER8150EF: The copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry.
58150f3	DMER8150F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5815109	DMER815109: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
581510c	DMER81510C: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
581510f	DMER81510F: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5815112	DMER815112: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5815115	DMER815115: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.

Error Code	Description
5816022	DMER816022: The process is in progress. Retry after waiting for a while.
5816023	DMER816023: The process is in progress. Retry after waiting for a while.
5816024	DMER816024: The process is in progress. Retry after waiting for a while.
5816025	DMER816025: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while.
5816026	DMER816026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5816027	DMER816027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5816028	DMER816028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again.
5816029	DMER816029: A command error occurred. Retry after waiting for a while.
581602a	DMER81602A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature.
581602b	DMER81602B: Both of the two paths of the remote subsystem were detached. Check the status of the path.
581602c	DMER81602C: The process is in progress. Retry after waiting for a while.
581602d	DMER81602D: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while.
581602e	DMER81602E: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581602f	DMER81602F: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5816030	DMER816030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5816031	DMER816031: The specified S-VOL is already paired by a different array. Check the pair information.
5816032	DMER816032: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again.
5816033	DMER816033: The remote subsystem is undergoing hot replacement of the firmware. Retry after waiting for a while.
5816035	DMER816035: The optional feature of Remote Replication of the remote array is locked. Unlock and enable the optional feature. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5816038	DMER816038: Both of the two paths of the remote subsystem were detached. Check the status of the path.
5816041	DMER816041: The S-VOL of the remote subsystem is doing a duplicate writing. Retry after waiting for a while.
5816042	DMER816042: The capacity of Remote Replication pair is beyond the limits within the remote array. Confirm the capacity of all the SnapShot

Error Code	Description
	P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
5816086	DMER816086: The S-VOL of the remote subsystem is specified as a command device. Specify a volume other than a command device of the remote subsystem as the S-VOL.
5816087	DMER816087: The S-VOL of the remote subsystem is executing format. Create the pair again after the quick formatting is completed. Or management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
5816088	DMER816088: The S-VOL of the remote subsystem is specified as the DM-LU. Specify a volume other than the DM-LU of the remote subsystem as the S-VOL.
5816089	DMER816089: The S-VOL of the remote subsystem is in the status of S-VOL Disable. Check the status of the remote subsystem and cancel the access attribute.
581608a	DMER81608A: The S-VOL in the remote array cannot allocate the differential bit of remote replication pair because the capacity is beyond the supported limit. Check the status of the remote array. In addition delete unnecessary pairs of the remote array. Or the copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry.
581608b	DMER81608B: The capacity of Remote Replication pair is beyond the limits within the remote array. Confirm the capacity of all the SnapShot P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
581608c	DMER81608C: The process is in progress. Retry after waiting for a while.
581608d	DMER81608D: The S-VOL of the remote subsystem does not meet the conditions of cascading with a SnapShot pair. Check the status of the LU in the remote array.
581608e	DMER81608E: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem.
5816091	DMER816091: The Array ID of the remote array is wrong, or the maximum number of connected arrays is beyond the limits. Check the Array ID of the remote array, the number of connected arrays and the group number.
5816094	DMER816094: The RAID level of the S-VOL in the remote array is RAID 0. Set the RAID level other than RAID 0 in the remote array.
5816095	DMER816095: The S-VOL in the remote subsystem is undergoing the forced parity correction. Check the status of the remote subsystem and retry after waiting for a while.

Error Code	Description
5816096	DMER816096: The S-VOL in the remote subsystem is a SnapShot V-VOL. The Remote Replication and SnapShot V-VOLs cannot be cascaded with each other. Check the LU status of the remote subsystem.
5816097	DMER816097: The S-VOL in the remote subsystem received an illegal command. Check the status of the remote subsystem.
581609a	DMER81609A: The status of the LU that will be S-VOL in the remote array is normal or other than regressed or the RAID group to which the LU is belongs indicates a status other than Normal or the LU is created in DP pool. Check the LU status of the remote array. Retry after the RAID group status becomes Normal in case that the RAID group indicates a status other than Normal. Specify an LU other than an LU created in DP pool to S-VOL.
581609b	DMER81609B: The S-VOL in the remote subsystem is a unified LU consists of 17 or more LUs. Make the number of the unified LUs that constitute the unified LU of the remote subsystem 16 or less.
581609c	DMER81609C: The LU capacity of the S-VOL in the remote array is not the same as the P-VOL capacity. Make the LU capacity of the remote array the same as that of the P-VOL. Or the Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
581609d	DMER81609D: The S-VOL in the remote array is set to a Cache Residency LU. Specify an LU other than a Cache Residency LU of the remote array.
581609e	DMER81609E: An LU with a capacity less than 1 GB is included in the LUs in which the S-VOL is unified in the remote subsystem. Check the status of the unified LU of the remote subsystem.
581609f	DMER81609F: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while.
58160a0	DMER8160A0: The remote subsystem has no pool LU. Make a pool LU for the remote subsystem.
58160a1	DMER8160A1: The LU specified as the S-VOL in the remote subsystem is a pool LU. The pool LU cannot be set to an S-VOL. Check the pool LU status of the remote subsystem.
58160a2	DMER8160A2: The LU status of the pool LU in the remote subsystem is normal or other than regressed. Check the pool LU status of the remote subsystem.
58160a3	DMER8160A3: The pool LU in the remote array is undergoing the forced parity correction. Check the pool LU status of the remote array and retry after waiting for a while. Or the Full Capacity Mode differs between the target LU and data pools. Set the same value for both the Full Capacity Mode of target LU and data pools.
58160a4	DMER8160A4: The S-VOL in the remote subsystem exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem.
58160a5	DMER8160A5: The Remote Replication pair status of the S-VOL in the remote subsystem is Failure. Check the Remote Replication pair status of the remote subsystem.

Error Code	Description
58160a6	DMER8160A6: The Remote Replication pair status of the S-VOL in the remote subsystem is Threshold Over. Check the Remote Replication pair status of the remote subsystem.
58160a7	DMER8160A7: The Remote Replication pair status of the S-VOL in the remote subsystem is Split (no reading/writing allowed). Check the Remote Replication pair status of the remote subsystem.
58160a8	DMER8160A8: The Remote Replication pair status of the S-VOL in the remote array is Takeover or the determined data at the end of the previous cycle is being restored to the S-VOL. Check the Remote Replication pair status of the remote array.
58160a9	DMER8160A9: The Remote Replication pair status of the S-VOL in the remote subsystem is Simplex. Check the Remote Replication pair status of the remote subsystem.
58160aa	DMER8160AA: The Remote Replication pair status of the S-VOL in the remote subsystem is Split. Check the Remote Replication pair status of the remote subsystem.
58160ab	DMER8160AB: The Remote Replication pair status of the S-VOL in the remote subsystem is not Simplex. Check the Remote Replication pair status of the remote subsystem.
58160b4	DMER8160B4: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote subsystem and retry after waiting for a while.
58160b5	DMER8160B5: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU change for it has been started. Check the status of the remote subsystem and retry after waiting for a while.
58160b6	DMER8160B6: The S-VOL in the remote subsystem does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote subsystem and retry after waiting for a while.
58160b7	DMER8160B7: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU to be changed is blocked. Check the status of the remote subsystem and retry after waiting for a while.
58160b8	DMER8160B8: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it is using the sequential buffer. Check the status of the remote subsystem and retry after waiting for a while.
58160b9	DMER8160B9: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.
58160ba	DMER8160BA: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it has pinned data. Contact the service personnel.
58160bb	DMER8160BB: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.

Error Code	Description
58160bc	DMER8160BC: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.
58160bd	DMER8160BD: The S-VOL in the remote subsystem cannot change an ownership of LU and a time-out occurred. Check the status of the remote subsystem and retry after waiting for a while.
58160be	DMER8160BE: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, the group# is illegal. Check the status of the remote subsystem.
58160c0	DMER8160C0: The S-VOL in the remote array does not exist on the default owner controller, and its disk drives are being spun up. Check the status of the remote array and retry after waiting for a while.
58160c1	DMER8160C1: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is making the system copy. Check the status of the remote subsystem and retry after waiting for a while.
58160c2	DMER8160C2: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is writing the takeover information. Check the status of the remote subsystem and retry after waiting for a while.
58160c5	DMER8160C5: The cycle time that has been set for the remote subsystem is less than the minimum interval. Check the cycle time that has been set for the remote subsystem.
58160d2	DMER8160D2: The S-VOL pool number in the remote subsystem is not same as the one that is being used for SnapShot. Confirm the indicated pool number in the remote subsystem.
58160dd	DMER8160DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
58160e0	DMER8160E0: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed.
58160e5	DMER8160E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58160e8	DMER8160E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with the array.
58160ea	DMER8160EA: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool.
58160ed	DMER8160ED: Management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
58160ef	DMER8160EF: The copy operation can not be performed because the capacity of the DP pool is depleted or can be depleted by this copy for either the S-VOL or an S-VOL of ShadowImage cascading in the remote array. Resolve the insufficient capacity of the DP pool and retry.
58160f3	DMER8160F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed. Or cycle copy is underway on the specified group and SnapShot Pair Split has been reserved for the SnapShot group that is

Error Code	Description
	cascaded with the Remote Replication group. Retry after the pair split completes.
58160f6	DMER8160F6: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
58160f8	DMER8160F8: The Full Capacity Mode differs between the target LU and data pools. Set the same value for both the Full Capacity Mode of target LU and data pools.
5816123	DMER816123: The specified Replication Data DP pool for the remote array does not exist. Check the status of the Replication Data DP pool for the remote array.
5816126	DMER816126: The specified Management Area DP pool for the remote array does not exist. Check the status of the Management Area DP pool for the remote array.
5816129	DMER816129: The status of the specified Replication Data DP pool for the remote array is other than Normal/Regression. Check the status of the Replication Data DP pool for the remote array.
581612c	DMER81612C: The status of the specified Management Area DP pool for the remote array is other than Normal/Regression. Check the status of the Management Area DP pool for the remote array.
581612f	DMER81612F: The specified Replication Data DP pool for the remote array is different from the one that the specified S-VOL is currently using. Check the specified Replication Data DP pool number for the remote array.
5816133	DMER816133: The specified Management Area DP pool for the remote array is different from the one that the specified S-VOL is currently using. Check the specified Management Area DP pool number for the remote array.
5816136	DMER816136: The Remote Replication pair deletion process is running on the Replication Data DP pool of the remote array. Retry after waiting for a while.
5816139	DMER816139: The Remote Replication pair deletion process is running on the Management Area DP pool of the remote array. Retry after waiting for a while.
581613c	DMER81613C: There are the maximum number of groups for Remote Replication on the remote array. Check the number of groups for Remote Replication.
581613f	DMER81613F: The cycle time that has been set for the local array is less than the minimum interval. Check the cycle time that has been set for the local array.
5816143	DMER816143: The Tier Mode for the specified Replication Data DP pool or Management Area DP pool for the remote array is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
5816146	DMER816146: Cycle copy is underway on the specified group and SnapShot Pair Split has been reserved for the SnapShot group that is

Error Code	Description
	cascaded with the Remote Replication group. Retry after the pair split completes.
5817022	DMER817022: The process is in progress. Retry after waiting for a while.
5817023	DMER817023: The process is in progress. Retry after waiting for a while.
5817024	DMER817024: The process is in progress. Retry after waiting for a while.
5817025	DMER817025: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while.
5817026	DMER817026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5817027	DMER817027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5817028	DMER817028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again.
5817029	DMER817029: A command error occurred. Retry after waiting for a while.
581702a	DMER81702A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature.
581702b	DMER81702B: Both of the two paths of the remote subsystem were detached. Check the status of the path.
581702c	DMER81702C: The process is in progress. Retry after waiting for a while.
581702d	DMER81702D: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while.
581702e	DMER81702E: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
581702f	DMER81702F: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5817030	DMER817030: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5817031	DMER817031: The specified S-VOL is already paired by a different array. Check the pair information.
5817032	DMER817032: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again.
5817033	DMER817033: The remote subsystem is undergoing hot replacement of the firmware. Retry after waiting for a while.
5817035	DMER817035: The optional feature of Remote Replication of the remote array is invalid. Unlock and enable the optional feature. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5817038	DMER817038: Both of the two paths of the remote subsystem were detached. Check the status of the path.
5817041	DMER817041: The S-VOL of the remote subsystem is doing a duplicate writing. Retry after waiting for a while.

Error Code	Description
5817042	DMER817042: The capacity of Remote Replication pair is beyond the limits within the remote array. Confirm the capacity of all the SnapShot P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
5817086	DMER817086: The S-VOL of the remote subsystem is specified as a command device. Specify a volume other than a command device of the remote subsystem as the S-VOL.
5817087	DMER817087: The S-VOL of the remote subsystem is executing format. Create the pair again after the formatting is completed. Or management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
5817088	DMER817088: The S-VOL of the remote subsystem is specified as the DM-LU. Specify a volume other than the DM-LU of the remote subsystem as the S-VOL.
5817089	DMER817089: The S-VOL of the remote subsystem is in the status of S-VOL Disable. Check the status of the remote subsystem and cancel the access attribute.
581708a	DMER81708A: The S-VOL in the remote subsystem cannot be allocated the differential bit of Remote Replication. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem.
581708b	DMER81708B: The capacity of Remote Replication pair is beyond the limits within the remote array. Confirm the capacity of all the SnapShot P-VOLs, all the P-VOLs and S-VOLs of Remote Replication pairs, and data pools is less than or equal to the supported capacity for the installed cache memory.
581708c	DMER81708C: The process is in progress. Retry after waiting for a while.
581708d	DMER81708D: The S-VOL of the remote subsystem does not meet the conditions of cascading with a SnapShot pair. Check the status of the LU in the remote array.
581708e	DMER81708E: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem.
5817091	DMER817091: The Array ID of the remote array is wrong, or the maximum number of connected arrays is beyond the limits. Check the Array ID of the remote array, the number of connected arrays and the group number.
5817094	DMER817094: The RAID level of the S-VOL in the remote array is RAID 0. Make the RAID level of the remote array other than RAID 0.
5817095	DMER817095: The S-VOL in the remote subsystem is undergoing the forced parity correction. Check the status of the remote subsystem and retry after waiting for a while.
5817096	DMER817096: The S-VOL in the remote subsystem is a SnapShot V-VOL. The Remote Replication and SnapShot V-VOLs cannot be cascaded with each other. Check the LU status of the remote subsystem.

Error Code	Description
5817097	DMER817097: The S-VOL in the remote subsystem received an illegal command. Check the status of the remote subsystem.
5817098	DMER817098: The S-VOL in the remote array is changing the cache partition. Check the status of the remote array and retry after waiting for a while.
581709a	DMER81709A: The status of the LU that will be S-VOL in the remote array is normal or other than regressed or the RAID group to which the LU is belongs indicates a status other than Normal or the LU is created in DP pool. Check the LU status of the remote array. Retry after the RAID group status becomes Normal in case that the RAID group indicates a status other than Normal. Specify an LU other than an LU created in DP pool to S-VOL.
581709b	DMER81709B: The S-VOL in the remote subsystem is a unified LU consists of 17 or more LUs. Make the number of the unified LUs that constitute the unified LU of the remote subsystem 16 or less.
581709c	DMER81709C: The LU capacity of the S-VOL in the remote array is not the same as the P-VOL capacity. Make the LU capacity of the remote array the same as that of the P-VOL. Or the Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
581709d	DMER81709D: The S-VOL in the remote array is set to a Cache Residency LU. Specify an LU other than a Cache Residency LU of the remote array.
581709e	DMER81709E: An LU with a capacity less than 1 GB is included in the LUs in which the S-VOL is unified in the remote subsystem. Check the status of the unified LU of the remote subsystem.
581709f	DMER81709F: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while.
58170a0	DMER8170A0: The remote subsystem has no pool LU. Make a pool LU for the remote subsystem.
58170a1	DMER8170A1: The LU specified as the S-VOL in the remote subsystem is a pool LU. The pool LU cannot be set to an S-VOL. Check the pool LU status of the remote subsystem.
58170a2	DMER8170A2: The LU status of the pool LU in the remote subsystem is normal or other than regressed. Check the pool LU status of the remote subsystem.
58170a3	DMER8170A3: The pool LU in the remote array is undergoing the forced parity correction. Check the pool LU status of the remote array and retry after waiting for a while. Or the Full Capacity Mode differs between the target LU and data pools. Set the same value for both the Full Capacity Mode of target LU and data pools.
58170a4	DMER8170A4: The S-VOL in the remote subsystem exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem.
58170a5	DMER8170A5: The Remote Replication pair status of the S-VOL in the remote subsystem is Failure. Check the Remote Replication pair status of the remote subsystem.

Error Code	Description
58170a6	DMER8170A6: The Remote Replication pair status of the S-VOL in the remote subsystem is Threshold Over. Check the Remote Replication pair status of the remote subsystem.
58170a7	DMER8170A7: The Remote Replication pair status of the S-VOL in the remote subsystem is Split (no reading/writing allowed). Check the Remote Replication pair status of the remote subsystem.
58170a8	DMER8170A8: The Remote Replication pair status of the S-VOL in the remote array is Takeover or the determined data at the end of the previous cycle is being restored to the S-VOL. Check the Remote Replication pair status for the remote array.
58170a9	DMER8170A9: The Remote Replication pair status of the S-VOL in the remote subsystem is Simplex. Check the Remote Replication pair status of the remote subsystem.
58170aa	DMER8170AA: The Remote Replication pair status of the S-VOL in the remote subsystem is Split. Check the Remote Replication pair status of the remote subsystem.
58170ab	DMER8170AB: The Remote Replication pair status of the S-VOL in the remote subsystem is not Simplex. Check the Remote Replication pair status of the remote subsystem.
58170b4	DMER8170B4: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote subsystem and retry after waiting for a while.
58170b5	DMER8170B5: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU change for it has been started. Check the status of the remote subsystem and retry after waiting for a while.
58170b6	DMER8170B6: The S-VOL in the remote subsystem does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote subsystem and retry after waiting for a while.
58170b7	DMER8170B7: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU to be changed is blocked. Check the status of the remote subsystem and retry after waiting for a while.
58170b8	DMER8170B8: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it is using the sequential buffer. Check the status of the remote subsystem and retry after waiting for a while.
58170b9	DMER8170B9: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.
58170ba	DMER8170BA: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it has pinned data. Contact the service personnel.
58170bb	DMER8170BB: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.

Error Code	Description
58170bc	DMER8170BC: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.
58170bd	DMER8170BD: The S-VOL in the remote subsystem cannot change an ownership of LU and a time-out occurred. Check the status of the remote subsystem and retry after waiting for a while.
58170be	DMER8170BE: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, the group# is illegal. Check the status of the remote subsystem.
58170c0	DMER8170C0: The S-VOL in the remote array does not exist on the default owner controller and, at the same time, its disk drives are being spun up. Check the status of the remote array and retry after waiting for a while.
58170c1	DMER8170C1: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is making the system copy. Check the status of the remote subsystem and retry after waiting for a while.
58170c2	DMER8170C2: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is writing the takeover information. Check the status of the remote subsystem and retry after waiting for a while.
58170c5	DMER8170C5: The cycle time that has been set for the remote subsystem is less than the minimum interval. Check the cycle time that has been set for the remote subsystem.
58170d2	DMER8170D2: The S-VOL pool number in the remote subsystem is not same as the one that is being used for SnapShot. Confirm the indicated pool number in the remote subsystem.
58170dd	DMER8170DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
58170e0	DMER8170E0: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed.
58170e5	DMER8170E5: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58170e8	DMER8170E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with the array.
58170ea	DMER8170EA: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool.
58170ed	DMER8170ED: Management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
58170f3	DMER8170F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed. Or cycle copy is underway on the specified group and SnapShot Pair Split has been reserved for the SnapShot group that is cascaded with the Remote Replication group. Retry after the pair split completes.

Error Code	Description
58170f6	DMER8170F6: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
58170f8	DMER8170F8: The Full Capacity Mode differs between the target LU and data pools. Set the same value for both the Full Capacity Mode of target LU and data pools.
5817123	DMER817123: The specified Replication Data DP pool for the remote array does not exist. Check the status of the Replication Data DP pool for the remote array.
5817126	DMER817126: The specified Management Area DP pool for the remote array does not exist. Check the status of the Management Area DP pool of the remote array.
5817129	DMER817129: The status of the specified Replication Data DP pool for the remote array is other than Normal/Regression. Check the status of the Replication Data DP pool for the remote array.
581712c	DMER81712C: The status of the specified Management Area DP pool for the remote array is other than Normal/Regression. Check the status of the Management Area DP pool for the remote array.
581712f	DMER81712F: The specified Replication Data DP pool for the remote array is different from the one that the specified S-VOL is currently using. Check the specified Replication Data DP pool number for the remote array.
5817133	DMER817133: The specified Management Area DP pool for the remote array is different from the one that the specified S-VOL is currently using. Check the specified Management Area DP pool number for the remote array.
5817136	DMER817136: The Remote Replication pair deletion process is running on the Replication Data DP pool for the remote array. Retry after waiting for a while.
5817139	DMER817139: The Remote Replication pair deletion process is running on the Management Area DP pool for the remote array. Retry after waiting for a while.
581713c	DMER81713C: There are the maximum number of groups for Remote Replication on the remote array. Check the number of groups for Remote Replication.
581713f	DMER81713F: The cycle time that has been set for the local array is less than the minimum interval. Check the cycle time that has been set for the local array.
5817143	DMER817143: The Tier Mode for the specified Replication Data DP pool or Management Area DP pool for the remote array is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
5817146	DMER817146: Cycle copy is underway on the specified group and SnapShot Pair Split has been reserved for the SnapShot pair that is cascaded with the Remote Replication group. Retry after the pair split completes.

Error Code	Description
5819022	DMER819022: The process is in progress. Retry after waiting for a while.
5819023	DMER819023: The process is in progress. Retry after waiting for a while.
5819024	DMER819024: The process is in progress. Retry after waiting for a while.
5819025	DMER819025: The S-VOL of the remote subsystem is being formatted. Retry after waiting for a while.
5819026	DMER819026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5819027	DMER819027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5819028	DMER819028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again.
5819029	DMER819029: A command error occurred. Retry after waiting for a while.
581902a	DMER81902A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature.
581902b	DMER81902B: Both of the two paths of the remote subsystem were detached. Check the status of the path.
58190de	DMER8190DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed.
581a022	DMER81A022: Now executing. Wait a while and execute again.
581a023	DMER81A023: Now executing. Wait a while and execute again.
581a024	DMER81A024: Now executing. Wait a while and execute again.
581a025	DMER81A025: The S-VOL in the remote subsystem is being formatted now. Wait a while and execute again.
581a026	DMER81A026: The remote subsystem is undergoing the pseudo deliberate shutdown. Execute again after the pseudo deliberate shutdown.
581a027	DMER81A027: The remote subsystem is after the pseudo deliberate shutdown. Wait a while and execute again.
581a028	DMER81A028: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again.
581a029	DMER81A029: Command error was occurred. Wait a while and execute again.
581a02a	DMER81A02A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature.
581a02b	DMER81A02B: Both of the two paths of the remote subsystem were detached. Check the status of the path.
581a02c	DMER81A02C: Now executing. Wait a while and execute again.
581a02d	DMER81A02D: The S-VOL in the remote subsystem is being formatted now. Wait a while and execute again.

Error Code	Description
581a02e	DMER81A02E: The remote subsystem is undergoing the pseudo deliberate shutdown. Execute again after the pseudo deliberate shutdown.
581a02f	DMER81A02F: The remote subsystem is undergoing the pseudo deliberate shutdown. Wait a while and execute again.
581a030	DMER81A030: The S-VOL is undefined. Check the attribute of the LU.
581a032	DMER81A032: The pair operation commands are being executed in the remote subsystem. Wait a while and execute again.
581a033	DMER81A033: The remote subsystem is undergoing hot replacement of the firmware. Wait a while and execute again.
581a035	DMER81A035: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature.
581a038	DMER81A038: Both of the two paths of the remote subsystem were detached. Check the status of the path.
581a041	DMER81A041: Now executing. Wait a while and execute again.
581a089	DMER81A089: The S-VOL of the remote subsystem is in the status of S-VOL Disable. Check the status of the remote subsystem and cancel the access attribute.
581a08b	DMER81A08B: The S-VOL in the remote subsystem has no vacancy of the SnapShot cache block. Check the pool LU status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem.
581a08c	DMER81A08C: The SnapShot cache block for the S-VOL in the remote subsystem is being deleted. Check the pool LU status of the remote subsystem and retry after waiting for a while.
581a08d	DMER81A08D: The S-VOL of the remote subsystem does not meet the conditions of cascading with a SnapShot pair. Retry after checking the LU status of the remote subsystem and satisfying the conditions stated in the User's Guide.
581a090	DMER81A090: Now executing. Wait a while and execute again.
581a091	DMER81A091: The indicated Array ID is not same as the actual one for remote subsystem. Confirm the Array ID for the remote subsystem.
581a095	DMER81A095: The S-VOL in the remote subsystem is undergoing the forced parity correction. Check the status of the remote subsystem and retry after waiting for a while.
581a097	DMER81A097: The S-VOL in the remote subsystem received an illegal command. Check the status of the remote subsystem.
581a099	DMER81A099: The array can not execute the operation because the target P-VOL of the specified LU does not exist. Delete the pair regarding the P-VOL in the remote array and create a remote replication pair.
581a09a	DMER81A09A: The LU status of the S-VOL in the remote array is normal or other than regressed or the RAID group to which the LU is belongs indicates a status other than Normal. Check the LU status of the remote array. Retry after the RAID group status becomes Normal in case that the RAID group indicates a status other than Normal.

Error Code	Description
581a09f	DMER81A09F: The internal transaction which are splitting or deleting for SnapShot is working now. Retry after waiting for a while.
581a0a0	DMER81A0A0: The remote subsystem has no pool LU. Make a pool LU for the remote subsystem.
581a0a1	DMER81A0A1: The LU specified as the S-VOL in the remote subsystem is a pool LU. The pool LU cannot be set to an S-VOL. Check the pool LU status of the remote subsystem.
581a0a2	DMER81A0A2: The LU status of the S-VOL in the remote subsystem is normal or other than regressed. Check the pool LU status of the remote subsystem.
581a0a3	DMER81A0A3: The pool LU in the remote subsystem is undergoing the forced parity correction. Check the pool LU status of the remote subsystem and retry after waiting for a while.
581a0a4	DMER81A0A4: The S-VOL in the remote subsystem exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote subsystem. In addition, delete unnecessary pairs of the remote subsystem.
581a0a5	DMER81A0A5: The Remote Replication pair status of the S-VOL in the remote subsystem is Failure. Check the Remote Replication pair status of the remote subsystem.
581a0a6	DMER81A0A6: The Remote Replication pair status of the S-VOL in the remote subsystem is Threshold Over. Check the Remote Replication pair status of the remote subsystem.
581a0a7	DMER81A0A7: The Remote Replication pair status of the S-VOL in the remote subsystem is Split (no reading/writing allowed). Check the Remote Replication pair status of the remote subsystem.
581a0a8	DMER81A0A8: The Remote Replication pair status of the S-VOL in the remote subsystem is Takeover (including Busy). Check the Remote Replication pair status of the remote subsystem.
581a0a9	DMER81A0A9: The Remote Replication pair status of the S-VOL in the remote subsystem is Simplex. Check the Remote Replication pair status of the remote subsystem.
581a0aa	DMER81A0AA: The Remote Replication pair status of the S-VOL in the remote subsystem is Split. Check the Remote Replication pair status of the remote subsystem.
581a0ab	DMER81A0AB: The Remote Replication pair status of the S-VOL in the remote subsystem is not Simplex. Check the Remote Replication pair status of the remote subsystem.
581a0b4	DMER81A0B4: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote subsystem and retry after waiting for a while.
581a0b5	DMER81A0B5: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU change for it has been started. Check the status of the remote subsystem and retry after waiting for a while.

Error Code	Description
581a0b6	DMER81A0B6: The S-VOL in the remote subsystem does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote subsystem and retry after waiting for a while.
581a0b7	DMER81A0B7: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, an ownership of LU to be changed is blocked. Check the status of the remote subsystem and retry after waiting for a while.
581a0b8	DMER81A0B8: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it is using the sequential buffer. Check the status of the remote subsystem and retry after waiting for a while.
581a0b9	DMER81A0B9: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.
581a0ba	DMER81A0BA: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, it has pinned data. Contact the service personnel.
581a0bb	DMER81A0BB: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.
581a0bc	DMER81A0BC: The S-VOL in the remote subsystem cannot change an ownership of LU temporarily. Retry after waiting for a while.
581a0bd	DMER81A0BD: The S-VOL in the remote subsystem cannot change an ownership of LU and a time-out occurred. Check the status of the remote subsystem and retry after waiting for a while.
581a0be	DMER81A0BE: The S-VOL in the remote subsystem cannot change an ownership of LU and, at the same time, the group# is illegal. Check the status of the remote subsystem.
581a0c1	DMER81A0C1: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is making the system copy. Check the status of the remote subsystem and retry after waiting for a while.
581a0c2	DMER81A0C2: The S-VOL in the remote subsystem does not exist on the default owner controller and, at the same time, it is writing the takeover information. Check the status of the remote subsystem and retry after waiting for a while.
581a0d2	DMER81A0D2: The S-VOL pool number in the remote subsystem is not same as the one that is being used for SnapShot. Confirm the indicated pool number in the remote subsystem.
581a0d3	DMER81A0D3: The license validity of the remote subsystem is expired. Purchase the license.
581a0dd	DMER81A0DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
581a0e0	DMER81A0E0: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed.
581a0e5	DMER81A0E5: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.

Error Code	Description
581a0e8	DMER81A0E8: The remote array is executing a pair operation with another array. Retry after the pair operation is completed with the array.
581a0f3	DMER81A0F3: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
581a123	DMER81A123: The specified Replication Data DP pool for the remote array does not exist. Check the status of the Replication Data DP pool for the remote array.
581a126	DMER81A126: The specified Management Area DP pool for the remote array does not exist. Check the status of the Management Area DP pool for the remote array.
581a129	DMER81A129: The status of the specified Replication Data DP pool for the remote array is other than Normal/Regression. Check the status of the Replication Data DP pool for the remote array.
581a12c	DMER81A12C: The status of the specified Management Area DP pool for the remote array is other than Normal/Regression. Check the status of the Management Area DP pool for the remote array.
581a12f	DMER81A12F: The specified Replication Data DP pool for the remote array is different from the one that the specified S-VOL is currently using. Check the specified Replication Data DP pool number for the remote array.
581a133	DMER81A133: The specified Management Area DP pool for the remote array is different from the one that the specified S-VOL is currently using. Check the specified Management Area DP pool number for the remote array.
581a136	DMER81A136: The Remote Replication pair deletion process is running on the Replication Data DP pool of the remote array. Retry after waiting for a while.
581a139	DMER81A139: The Remote Replication pair deletion process is running on the Management Area DP pool for the remote array. Retry after waiting for a while.
581a143	DMER81A143: The Tier Mode for the specified Replication Data DP pool or Management Area DP pool for the remote array is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
5820005	DMER820005: The LU of the remote array is being formatted. Retry after waiting for a while.
5820006	DMER820006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5820007	DMER820007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5820008	DMER820008: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5820009	DMER820009: The specified S-VOL is already paired by a different array. Check the pair information.

Error Code	Description
582000b	DMER82000B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
582000c	DMER82000C: A command error occurred. Retry after waiting for a while.
582000d	DMER82000D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature.
582000e	DMER82000E: The status of the S-VOL cannot be changed. Retry after waiting for a while.
5820011	DMER820011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays or the maximum number of the connected arrays is beyond the limits. Check the pair status of the LU and Array ID or number of the connected arrays.
5820012	DMER820012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs.
5820015	DMER820015: The status of the object P-VOL or S-VOL is other than normal and regression or the specified S-VOL is an LU created in DP pool or a volume of ShadowImage pair that includes the LU created in DP pool. Make the status of the P-VOL or S-VOL normal or regression and confirm the S-VOL and the ShadowImage pair that the specified S-VOL is part of.
5820017	DMER820017: The S-VOL is configured as RAID 0. Check the RAID level of the specified LU.
5820019	DMER820019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL.
582001a	DMER82001A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU.
582001c	DMER82001C: The object LU is a command device. Specify an LU other than a command device.
582001d	DMER82001D: The change of the default owner controller is reserved for the object LU. Cancel the reservation for changing the default owner controller or specify the LU for which the change of the default owner controller is not reserved.
582001e	DMER82001E: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the pair status of the LU, and the RAID group status, the status of the DM-LU, the capacity of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU. Delete the ShadowImage pair that is cascaded with the specified pair if the DM-LU has unwritten data.
5820021	DMER820021: The object LU has already been cascaded with a ShadowImage pair. Check the pair status of the LU and check that its pair attribute is P-VOL.

Error Code	Description
5820032	DMER820032: The remote array is receiving a command. Retry after waiting.
582003d	DMER82003D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN.
582003f	DMER82003F: The LU assigned to a Remote Replication pair has already been paired by ShadowImage. Check the pair status of the LU.
5820040	DMER820040: The S-VOL of the specified pair cannot accept Read/Write instructions or is a part of ShadowImage whose status is Reverse Synchronizing. Check the status of the S-VOL or the pair status of the ShadowImage pair.
5820041	DMER820041: The process is in progress. Retrying after waiting.
5820045	DMER820045: The stripe size of the object LU of the remote array is other than 64KB. Make the stripe size of the LU of the remote array 64KB.
5820046	DMER820046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair which comprises the LU of the remote array in the Simplex status once and then operate the pair.
5820048	DMER820048: The specified LU is an S-VOL of ShadowImage. Split the ShadowImage pair that comprises an LU of the remote array.
5820049	DMER820049: The object LU of the remote array is being formatted. Create the pair again after the formatting is completed. Or management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
582004a	DMER82004A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote array.
5820050	DMER820050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status which concerns the forced restoration by means of parity of the LU of the remote array to Restored or Skip.
5820053	DMER820053: The number of unified LUs of the remote array is 17 or more. Make the number of unified LUs of the remote array 16 or less.
5820054	DMER820054: The V-VOL which is paired with a SnapShot P-VOL of the remote array has already been organized into a Remote Replication pair. Split the Remote Replication pair comprising a SnapShot V-VOL that is an LU of the remote array.
5820055	DMER820055: The object LU of the remote array is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote array to a volume other than a V-VOL of SnapShot.
5820058	DMER820058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel.
5820059	DMER820059: The license validity of the remote array is expired. Purchase the license. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.

Error Code	Description
582005a	DMER82005A: The DM-LU is not set of the remote array or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU.
582005b	DMER82005B: The specified S-VOL is the pool LU. Check the status of the LU.
582005c	DMER82005C: The specified S-VOL is the NAS LU. Check the status of the LU.
58200c6	DMER8200C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair.
58200c7	DMER8200C7: The specified S-VOL is the reserved LU. Re-execute the migration specifying an LU other than the reserved LU for the S-VOL.
58200cf	DMER8200CF: The disk drives that configure a RAID group to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.
58200d4	DMER8200D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array.
58200d9	DMER8200D9: The status of the remote array is in an inappropriate condition to create or resynchronize the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication. See the User's Guide for their detail information.
58200de	DMER8200DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58200e2	DMER8200E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed.
58200e3	DMER8200E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58200e9	DMER8200E9: The specified S-VOL is an LU created in DP pool or a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the S-VOL and the ShadowImage pair that the specified S-VOL is part of.
58200f1	DMER8200F1: Management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
58200f2	DMER8200F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58200f5	DMER8200F5: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
5820101	DMER820101: The copy operation can not be performed because the capacity of the DM-LU is depleted. Grow the capacity of DM-LU.
5820104	DMER820104: The internal transaction of the specified LU is working now. Retry after waiting for a while.

Error Code	Description
5820107	DMER820107: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
582010a	DMER82010A: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
582010d	DMER82010D: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5820110	DMER820110: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5820113	DMER820113: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.
5821005	DMER821005: The LU of the remote array is being formatted. Retry after waiting for a while.
5821006	DMER821006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5821007	DMER821007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5821008	DMER821008: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5821009	DMER821009: The specified S-VOL is already paired by a different array. Check the pair information.
582100b	DMER82100B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
582100c	DMER82100C: A command error occurred. Retry after waiting for a while.
582100d	DMER82100D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature.
582100e	DMER82100E: The status of the S-VOL cannot be changed. Retry after waiting for a while.
5821011	DMER821011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays or the maximum number of the connected arrays is beyond the limits. Check the pair status of the LU and Array ID or number of the connected Array.
5821012	DMER821012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs.
5821015	DMER821015: The status of the object P-VOL or S-VOL is other than normal and regression or the specified S-VOL is an LU created in DP pool or a volume of ShadowImage pair that includes the LU created in DP pool. Make the status of the P-VOL or S-VOL normal or regression and confirm the S-VOL and the ShadowImage pair that the specified S-VOL is part of.
5821017	DMER821017: The S-VOL is configured as RAID 0. Check the RAID level of the specified LU.

Error Code	Description
5821019	DMER821019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL.
582101a	DMER82101A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU.
582101c	DMER82101C: The object LU is a command device. Specify an LU other than a command device.
582101d	DMER82101D: The change of the default owner controller is reserved for the object LU. Cancel the reservation for changing the default owner controller or specify the LU for which the change of the default owner controller is not reserved.
582101e	DMER82101E: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the pair status of the LU, and the RAID group status, the status of the DM-LU, the capacity of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU. Delete the ShadowImage pair that is cascaded with the specified pair if the DM-LU has unwritten data.
5821021	DMER821021: The object LU has already been cascaded with a ShadowImage pair. Check the pair status of the LU and check that its pair attribute is P-VOL.
5821032	DMER821032: The remote array is receiving a command. Retry after waiting for a while.
582103f	DMER82103F: The LU assigned to a Remote Replication pair has already been paired by ShadowImage. Check the pair status of the LU.
5821040	DMER821040: The object LU of the remote array is being restored as a volume of ShadowImage or cannot accept Read/Write instructions. Check the pair status of the LU.
5821041	DMER821041: The process is in progress. Retry after waiting for a while.
5821045	DMER821045: The stripe size of the object LU of the remote array is other than 64KB. Make the stripe size of the LU of the remote array 64KB.
5821046	DMER821046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote array in the Simplex status once and then operate the pair.
5821048	DMER821048: The specified LU is an S-VOL of ShadowImage. Split the ShadowImage pair that comprises an LU of the remote array.
5821049	DMER821049: The object LU of the remote array is being quick formatted. Create the pair again after the quick formatting is completed. Or management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.

Error Code	Description
582104a	DMER82104A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote array.
5821050	DMER821050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote array to Restored or Skip.
5821053	DMER821053: The number of unified LUs of the remote array is 17 or more. Make the number of unified LUs of the remote array 16 or less.
5821054	DMER821054: The V-VOL, which is paired with a SnapShot P-VOL of the remote array has already been organized into a Remote Replication pair. Split the Remote Replication pair comprising a SnapShot V-VOL that is an LU of the remote array.
5821055	DMER821055: The object LU of the remote array is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote array to a volume other than a V-VOL of SnapShot.
5821058	DMER821058: The ShadowImage P-VOL of the remote array is in the Failure (S-VOL Switch) status. Contact the service personnel.
5821059	DMER821059: The license validity of the remote array is expired. Purchase the license. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
582105a	DMER82105A: The DM-LU is not set of the remote array or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU.
582105b	DMER82105B: The specified S-VOL is the pool LU. Check the status of the LU.
582105c	DMER82105C: The specified S-VOL is the NAS LU. Check the status of the LU.
58210c6	DMER8210C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair.
58210c7	DMER8210C7: The specified S-VOL is the reserved LU. Re-execute the migration specifying an LU other than the reserved LU for the S-VOL.
58210cf	DMER8210CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.
58210d4	DMER8210D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array.
58210de	DMER8210DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58210e2	DMER8210E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed.
58210e3	DMER8210E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.

Error Code	Description
58210e9	DMER8210E9: The specified S-VOL is an LU created in DP pool or a volume of ShadowImage pair that includes the LU created in DP pool. Confirm the S-VOL and the ShadowImage pair that the specified S-VOL is part of.
58210f1	DMER8210F1: Management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
58210f2	DMER8210F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58210f5	DMER8210F5: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
5821101	DMER821101: The copy operation can not be performed because the capacity of the DM-LU is depleted. Grow the capacity of DM-LU.
5821104	DMER821104: The internal transaction of the specified LU is working now. Retry after waiting for a while.
5821107	DMER821107: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
582110a	DMER82110A: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
582110d	DMER82110D: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5821110	DMER821110: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5821113	DMER821113: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.
5822005	DMER822005: The LU of the remote array is being formatted. Retry after waiting for a while.
5822006	DMER822006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5822007	DMER822007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5822008	DMER822008: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5822009	DMER822009: The target LU of the remote array is already paired by a different array. Check the pair information.
582200b	DMER82200B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
582200c	DMER82200C: A command error occurred. Retry after waiting for a while.
582200d	DMER82200D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature.

Error Code	Description
582200e	DMER82200E: The status of the S-VOL cannot be changed. Retry after waiting for a while.
5822011	DMER822011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID.
5822014	DMER822014: The current Array ID differs from the number that was set initially. Check the Array ID.
5822015	DMER822015: The status of the object LU is other than normal and regressive. Make the status of the LU normal or regressive.
582201e	DMER82201E: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the pair status of the LU, and the RAID group status, the status of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU. Delete the ShadowImage pair that is cascaded with the specified pair if the DM-LU has unwritten data.
5822020	DMER822020: The object LU of the remote array is being restored as a volume of ShadowImage or cannot accept Read/Write instructions. Check the pair status of the LU.
5822032	DMER822032: The remote array is receiving a command. Retry after waiting for a while.
582203d	DMER82203D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN.
5822041	DMER822041: The process is in progress. Retry after waiting for a while.
5822046	DMER822046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote array, in the Simplex status once and then operate the pair.
582204a	DMER82204A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote array.
5822050	DMER822050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote array to Restored or Skip.
5822059	DMER822059: The license validity of the remote array is expired. Purchase the license. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58220cf	DMER8220CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.

Error Code	Description
58220d4	DMER8220D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array.
58220d7	DMER8220D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status in the remote array be Split or Simplex.
58220d8	DMER8220D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status in the remote array be Split or Simplex.
58220de	DMER8220DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58220e2	DMER8220E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed.
58220e3	DMER8220E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58220f2	DMER8220F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5822107	DMER822107: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
582210a	DMER82210A: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
582210d	DMER82210D: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5822110	DMER822110: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5822113	DMER822113: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.
5823005	DMER823005: The LU of the remote array is being formatted. Retry after waiting for a while.
5823006	DMER823006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5823007	DMER823007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5823008	DMER823008: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5823009	DMER823009: The target LU of the remote array is already paired by a different array. Check the pair information.
582300b	DMER82300B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
582300c	DMER82300C: A command error occurred. Retry after waiting for a while.
582300d	DMER82300D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature.

Error Code	Description
582300e	DMER82300E: The status of the S-VOL cannot be changed. Retry after waiting for a while.
5823011	DMER823011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID.
582301e	DMER82301E: The object LU has been organized into a Remote Replication pair. Check the pair status of the LU.
5823032	DMER823032: The remote array is receiving a command. Retry after waiting for a while.
5823041	DMER823041: The process is in progress. Retry after waiting for a while.
5823046	DMER823046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote array, in the Simplex status once and then operate the pair.
58230d4	DMER8230D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array.
58230d7	DMER8230D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status in the remote array be Split or Simplex.
58230d8	DMER8230D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status in the remote array be Split or Simplex.
58230d9	DMER8230D9: The status of the remote array is in an inappropriate condition to create or resynchronize the Remote Replication pair. Confirm the Array ID, pair status of Local and Remote Replication. See the User's Guide for their detail information.
5824005	DMER824005: The LU of the remote array is being formatted. Retry after waiting for a while.
5824006	DMER824006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5824007	DMER824007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5824008	DMER824008: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5824009	DMER824009: The target LU of the remote array is already paired by a different array. Check the pair information.
582400b	DMER82400B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
582400c	DMER82400C: A command error occurred. Retry after waiting for a while.
582400d	DMER82400D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature.
582400e	DMER82400E: The status of the S-VOL cannot be changed. Retry after waiting for a while.

Error Code	Description
5824011	DMER824011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID.
582401e	DMER82401E: The object LU has been organized into a Remote Replication pair. Check the pair status of the LU.
5824032	DMER824032: The remote array is receiving a command. Retry after waiting for a while.
5824041	DMER824041: The process is in progress. Retry after waiting for a while.
5824046	DMER824046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair which comprises the LU of the remote array in the Simplex status once and then operate the pair.
58240d4	DMER8240D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array.
58240d7	DMER8240D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status in the remote array be Split or Simplex.
58240d8	DMER8240D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status in the remote array be Split or Simplex.
58240d9	DMER8240D9: The status the remote array is in an inappropriate condition to create the Remote Replication pair. Confirm the Array ID, pair status of Remote Replication and status of SnapShot and ShadowImage. See the User's Guide for their detail information.
5825005	DMER825005: The LU of the remote array is being formatted. Retry after waiting for a while.
5825006	DMER825006: The remote array is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5825007	DMER825007: The remote array has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
5825008	DMER825008: The S-VOL is undefined or specified for reserve LU or DMLU. Check the status of the LU.
5825009	DMER825009: The target LU of the remote array is already paired by a different array. Check the pair information.
582500b	DMER82500B: The remote array is undergoing hot replacement of the firmware. Retry after waiting for a while.
582500c	DMER82500C: A command error occurred. Retry after waiting for a while.
582500d	DMER82500D: The optional feature of Remote Replication of the remote array is invalid. Unlock and validate the optional feature.
582500e	DMER82500E: The status of the S-VOL cannot be changed. Retry after waiting for a while.
5825011	DMER825011: The object LU has already been organized into a Remote Replication pair. Besides, the Array ID differs between the local and remote arrays. Check the pair status of the LU and Array ID.

Error Code	Description
5825014	DMER825014: The current Array ID differs from the number that was set initially. Check the Array ID.
5825015	DMER825015: The status of the object LU is other than normal and regressive. Make the status of the LU normal or regressive.
582501e	DMER82501E: The status of the remote array is in an inappropriate condition to operate the Remote Replication pair. Check the pair status of the LU, and the RAID group status, the status of the DM-LU, and the status of the DP pool to which the DM-LU belongs. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal. Recover the DM-LU status if the DM-LU is detached. Retry after the DP pool status to which the DM-LU belongs becomes Normal in case that the DP pool indicate a status other than Normal. Retry after eliminating pinned data if pinned data exists in the DM-LU. Delete the ShadowImage pair that is cascaded with the specified pair if the DM-LU has unwritten data.
5825020	DMER825020: The object LU of the remote array is being restored as a volume of ShadowImage or cannot accept Read/Write instructions. Check the pair status of the LU.
5825032	DMER825032: The remote array is receiving a command. Retry after waiting for a while.
582503d	DMER82503D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN.
5825041	DMER825041: The process is in progress. Retry after waiting for a while.
5825046	DMER825046: The object LU of the remote array is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair which comprises the LU of the remote array in the Simplex status once and then operate the pair.
5825047	DMER825047: The specified LU is an S-VOL of ShadowImage. Specify an LU other than a ShadowImage S-VOL that comprises the LU of the remote array.
582504b	DMER82504B: Check the pair status of the LU. Cancel the S-VOL Disable specified for the LU of the remote array (at the time of a swap).
5825050	DMER825050: The object LU of the remote array has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status which concerns the forced restoration by means of parity of the LU of the remote array to Restored or Skip.
5825056	DMER825056: The target LU of the remote array is a V-VOL of SnapShot (at the time of swap). Specify the LU of the remote array other than a V-VOL of SnapShot.
5825059	DMER825059: The license validity of the remote array is expired. Purchase the license. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58250cf	DMER8250CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.

Error Code	Description
58250d4	DMER8250D4: The LU which has been indicated as S-VOL in the remote array is P-VOL now. Confirm the LU status in the remote array.
58250d7	DMER8250D7: The indicated S-VOL is not Split status in the SnapShot pair. Execute again after having the SnapShot pair status Split or Simplex.
58250d8	DMER8250D8: The indicated S-VOL is not Split status in the ShadowImage pair. Execute again after having the ShadowImage pair status Split or Simplex.
58250de	DMER8250DE: Auto Migration is being executed in the remote array. Execute again after the Migration is completed.
58250e2	DMER8250E2: The remote array is executing Auto Migration. Retry after the Auto Migration is completed.
58250e3	DMER8250E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58250f2	DMER8250F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
5825107	DMER825107: The copy operation can not be performed because the DM-LU is detached. Recover the DM-LU status.
582510a	DMER82510A: The copy operation can not be performed because the DP pool to which the DM-LU belongs is detached. Recover the DP pool.
582510d	DMER82510D: Pinned data exists in the DM-LU. Retry after eliminating pinned data.
5825110	DMER825110: The operation can not be performed due to insufficient capacity of the DP pool for the DM-LU. Grow the capacity of DP pool.
5825113	DMER825113: The copy operation can not be performed because the DM-LU has unwritten data. Delete the ShadowImage pair that is cascaded with the specified pair.
5826011	DMER826011: The specified LU has a remote replication pair with another array. Or the maximum number of connected arrays is beyond the limits. Confirm the pair status, the Array ID or the number of connected arrays.
5826012	DMER826012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs.
5826015	DMER826015: The status of the object LU is other than normal and regression or the specified S-VOL is an LU created in DP pool. Make the status of the LU normal or regression and specify an LU other than an LU created in DP pool to S-VOL.
5826017	DMER826017: The S-VOL resides in the RAID group of RAID 0. Choose a RAID group of RAID level other than RAID 0.
5826019	DMER826019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL.
582601a	DMER82601A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU.

Error Code	Description
582601c	DMER82601C: The object LU is a command device. Specify an LU other than a command device.
582601e	DMER82601E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal.
5826026	DMER826026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5826027	DMER826027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
582602a	DMER82602A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and validate the optional feature.
5826040	DMER826040: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem.
5826045	DMER826045: The stripe size of the object LU of the remote subsystem is other than 64KB. Make the stripe size of the LU of the remote subsystem 64KB.
5826046	DMER826046: The object LU of the remote subsystem is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote subsystem, in the Simplex status once and then operate the pair.
5826049	DMER826049: The object LU of the remote subsystem is being formatted. Create the pair again after the formatting is completed. Or management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
582604a	DMER82604A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote subsystem.
5826050	DMER826050: The object LU of the remote subsystem has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote subsystem to Restored or Skip.
5826053	DMER826053: The number of unified LUs of the remote subsystem is 17 or more. Make the number of unified LUs of the remote subsystem 16 or less.
5826055	DMER826055: The object LU of the remote subsystem is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote subsystem to a volume other than a V-VOL of SnapShot.
5826059	DMER826059: The license validity of the remote array is expired. Purchase the license. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.

Error Code	Description
582605a	DMER82605A: The DM-LU is not set of the remote subsystem or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU.
582605b	DMER82605B: The specified S-VOL is the pool LU. Check the status of the LU.
58260b3	DMER8260B3: The specified S-VOL is a unified LU including a SubLU with a capacity less than 1 GB. Check whether the LU with a capacity less than 1 GB is included in each LU of the specified unified LU.
58260c4	DMER8260C4: When a new pair of a group is created, the cycle time that has been set for the local and remote array is less than the minimum interval. Check the cycle time that has been set for the local and remote array.
58260c6	DMER8260C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair.
58260c7	DMER8260C7: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL.
58260ca	DMER8260CA: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair.
58260cb	DMER8260CB: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL.
58260cf	DMER8260CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.
58260d1	DMER8260D1: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.
58260d2	DMER8260D2: The specified data pool number in the remote array is not same as the one that is being used for SnapShot. Confirm the indicated data pool number in the remote array. Or the specified Replication Data DP pool or the Management Area DP pool for the remote array does not exist. Or the status of the specified Replication Data DP pool or the Management Area DP pool for the remote array is other than Normal/ Regression. Or the specified Replication Data DP pool for the remote array is different from the one that the specified S-VOL is currently using. Or the Remote Replication pair deletion process is running on the Management Area DP pool for the remote array. Or the Tier Mode for the specified Replication Data DP pool or Management Area DP pool for the remote array is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
58260db	DMER8260DB: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number.
58260dd	DMER8260DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
58260de	DMER8260DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed.

Error Code	Description
58260e1	DMER8260E1: The operation to change LU has become timeout while the controller in the remote array is recovering. Retry the operation after the controller is recovered.
58260e3	DMER8260E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58260e9	DMER8260E9: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool.
58260f1	DMER8260F1: Management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
58260f2	DMER8260F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58260f5	DMER8260F5: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
582613a	DMER82613A: There are the maximum number of groups for Remote Replication on the remote array. Check the number of groups for Remote Replication.
5827011	DMER827011: The specified LU has a remote replication pair with another array. Or the maximum number of connected arrays is beyond the limits. Confirm the pair status, the Array ID or the number of connected arrays.
5827012	DMER827012: The number of Remote Replication pairs exceeded the maximum value that can be supported. Check the number of Remote Replication pairs.
5827015	DMER827015: The status of the object LU is other than normal and regression or the specified S-VOL is an LU created in DP pool. Make the status of the LU normal or regression and specify an LU other than an LU created in DP pool to S-VOL.
5827017	DMER827017: The S-VOL is configured as RAID 0. Check the RAID level of the specified LU.
5827019	DMER827019: The capacity differs between the P-VOL and S-VOL. Equalize the capacities of the P-VOL and S-VOL.
582701a	DMER82701A: The S-VOL is a Cache Residency LU or has been set to the reserved Cache Residency LU. Check the status of the LU.
582701c	DMER82701C: The object LU is a command device. Specify an LU other than a command device.
582701e	DMER82701E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal.
5827026	DMER827026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.

Error Code	Description
5827027	DMER827027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
582702a	DMER82702A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature.
5827040	DMER827040: The S-VOL in the remote subsystem has created a ShadowImage pair. The Remote Replication and ShadowImage volumes cannot be cascaded with each other. Check the LU status of the remote subsystem.
5827045	DMER827045: The stripe size of the object LU of the remote subsystem is other than 64KB. Make the stripe size of the LU of the remote subsystem 64KB.
5827046	DMER827046: The object LU of the remote subsystem is being restored as a volume of SnapShot or cannot accept Read/Write instructions. Place the SnapShot pair, which comprises the LU of the remote subsystem, in the Simplex status once and then operate the pair.
5827049	DMER827049: The object LU of the remote subsystem is being formatted. Create the pair again after the formatting is completed Or management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
582704a	DMER82704A: The S-VOL is in the S-VOL Disable mode. Cancel the S-VOL Disable specified for the LU of the remote subsystem.
5827050	DMER827050: The object LU of the remote subsystem has not undergone the forced restoration by means of parity or it is undergoing the restoration above. Make the status, which concerns the forced restoration by means of parity, of the LU of the remote subsystem to Restored or Skip.
5827053	DMER827053: The number of unified LUs of the remote subsystem is 17 or more. Make the number of unified LUs of the remote subsystem 16 or less.
5827055	DMER827055: The object LU of the remote subsystem is a V-VOL of SnapShot (at the time of a pair formation). Specify the LU of the remote subsystem to a volume other than a V-VOL of SnapShot.
5827059	DMER827059: The license validity of the remote array is expired. Purchase the license. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
582705a	DMER82705A: The DM-LU is not set of the remote subsystem or the DM-LU was specified as S-VOL. Retry after setting the DM-LU or check the status of the LU.
582705b	DMER82705B: The specified S-VOL is the pool LU. Check the status of the LU.
58270b3	DMER8270B3: The specified S-VOL is a unified LU including a SubLU with a capacity less than 1 GB. Check whether the LU with a capacity less than 1 GB is included in each LU of the specified unified LU.
58270c4	DMER8270C4: When a new pair of a group is created, the cycle time that has been set for the local and remote array is less than the minimum

Error Code	Description
	interval. Check the cycle time that has been set for the local and remote array.
58270c6	DMER8270C6: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair.
58270c7	DMER8270C7: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL.
58270ca	DMER8270CA: The specified S-VOL is undergoing the migration. Perform the migration after deleting the pair.
58270cb	DMER8270CB: The specified S-VOL is the reserved LU. Perform the migration specifying an LU other than the reserved LU for the S-VOL.
58270cf	DMER8270CF: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.
58270d1	DMER8270D1: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.
58270d2	DMER8270D2: The specified data pool number in the remote array is not same as the one that is being used for SnapShot. Confirm the indicated data pool number in the remote array. Or the specified Replication Data DP pool or the Management Area DP pool for the remote array does not exist. Or the status of the specified Replication Data DP pool or the Management Area DP pool for the remote array is other than Normal/ Regression. Or the specified Replication Data DP pool for the remote array is different from the one that the specified S-VOL is currently using. Or the Remote Replication pair deletion process is running on the Management Area DP pool of the remote array. Or the Tier Mode for the specified Replication Data DP pool or Management Area DP pool for the remote array is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
58270db	DMER8270DB: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number.
58270dd	DMER8270DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
58270de	DMER8270DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed.
58270e1	DMER8270E1: The operation to change LU has become timeout while the controller in the remote array is recovering. Retry the operation after the controller is recovered.
58270e3	DMER8270E3: The RAID group to which the LU that will be specified to S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
58270e9	DMER8270E9: The LU created in DP pool was specified as S-VOL. Specify an LU other than the LU created in DP pool.

Error Code	Description
58270f1	DMER8270F1: Management information of Dynamic Provisioning for the LU specified as S-VOL in the remote array is being updated. Retry after waiting a while.
58270f2	DMER8270F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
58270f5	DMER8270F5: The Full Capacity Mode differs between the P-VOL and S-VOL. Set the same value for both the Full Capacity Mode of P-VOL and S-VOL. Or the Full Capacity Mode is not supported. Check the firmware version of array.
582713a	DMER82713A: There are the maximum number of groups for Remote Replication on the remote array. Check the number of groups for Remote Replication.
582901e	DMER82901E: The object LU has been organized into a Remote Replication pair. Check the pair status of the LU.
5829026	DMER829026: The remote subsystem is undergoing the pseudo deliberate shutdown. Retry after the pseudo deliberate shutdown is completed.
5829027	DMER829027: The remote subsystem has undergone the pseudo deliberate shutdown. Retry after waiting for a while.
582902a	DMER82902A: The optional feature of Remote Replication of the remote subsystem is invalid. Unlock and enable the optional feature.
582903d	DMER82903D: Pair status of corresponding LU does not match. Confirm the pair status of LU and the other side's LUN.
582905e	DMER82905E: There is a SnapShot pair, which has an MU number specified for a SnapShot P-VOL, has not been placed in the Paired or Split status, and whose S-VOL is one of the S-VOLs with the specified group numbers. Check the pair status of the SnapShot. Or, the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
582905f	DMER82905F: There is no pair, which is in the Paired status, in the target group. Check the pair status of each LU in the target group.
58290de	DMER8290DE: Auto Migration is being executed in the remote array just now. Execute again after the Migration is completed.
5829145	DMER829145: Cycle copy is underway on the specified group and SnapShot Pair Split has been reserved for the SnapShot group that is cascaded with the Remote Replication group. Retry after the pair split completes.
582a011	DMER82A011: The specified LU has a remote replication pair with another array. Or the maximum number of connected arrays is beyond the limits. Confirm the pair status, the Array ID or the number of connected arrays.
582a015	DMER82A015: The status of the object LU is other than normal and regressive. Make the LU status be normal or regressive.
582a01e	DMER82A01E: The object LU has been organized into a Remote Replication pair or the RAID group to which the object LU belongs indicates a status other than Normal. Check the pair status of the LU and

Error Code	Description
	the RAID group status. Retry after the RAID group status becomes Normal in case that the RAID group indicate a status other than Normal.
582a026	DMER82A026: The remote subsystem is undergoing the pseudo deliberate shutdown. Execute again after the pseudo deliberate shutdown.
582a027	DMER82A027: The remote subsystem is after the pseudo deliberate shutdown. Wait a while and execute again.
582a02a	DMER82A02A: The optional feature of Remote Replication of the remote array is disabled. Unlock and enable the optional feature.
582a02b	DMER82A02B: Both of the two remote paths of the local array were detached. Check the status of the path.
582a030	DMER82A030: The S-VOL is undefined. Check the attribute of the LU.
582a031	DMER82A031: The target LU of the remote array is already paired by a different array. Check the pair information.
582a035	DMER82A035: The optional feature of Remote Replication of the remote array is locked. Unlock and enable the optional feature. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
582a038	DMER82A038: Both of the two paths of the remote array were detached. Check the status of the path.
582a046	DMER82A046: The indicated LU in the remote subsystem is being restored for SnapShot or can not be executed the Read and Write command for the SnapShot pair. Execute again after having the SnapShot pair status in the remote subsystem be Simplex.
582a04a	DMER82A04A: The S-VOL is 'S-VOL Disable' status. Release the indication for the 'S-VOL Disable' in the remote subsystem.
582a050	DMER82A050: The indicated LU in the remote subsystem is in the forced parity correction, or has not executed the forced parity correction yet. Make the LU status for the forced parity correction in remote subsystem be Restored or Skip.
582a059	DMER82A059: The license of the remote array expires. Purchase the license. Or the process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.
582a05d	DMER82A05D: Now executing. Wait a while and execute again.
582a089	DMER82A089: The S-VOL of the remote array is in the status of S-VOL Disable. Check the status of the remote array and cancel the access attribute.
582a08b	DMER82A08B: The S-VOL in the remote array has no SnapShot cache block available. Check the data pool LU status of the remote array. In addition, delete unnecessary pairs of the remote array.
582a08c	DMER82A08C: The SnapShot cache block for the S-VOL in the remote array is being deleted. Check the data pool LU status of the remote array and retry after waiting for a while.

Error Code	Description
582a08d	DMER82A08D: The status of S-VOL in the remote array does not satisfy the condition to cascade with SnapShot pair. Check the status of the LU in the remote array.
582a090	DMER82A090: The status of S-VOL in the remote array does not satisfy the condition to cascade with SnapShot pair. Check the status of the LU in the remote array.
582a091	DMER82A091: The Array ID of the remote array is wrong, or the maximum number of the connected arrays is beyond the limits. Check the Array ID of the remote array, the number of connected arrays or the group number.
582a095	DMER82A095: The S-VOL in the remote array is undergoing the forced parity correction. Check the status of the remote array and retry after waiting for a while.
582a097	DMER82A097: The S-VOL in the remote array received an illegal command. Check the status of the remote array.
582a09a	DMER82A09A: The LU status of the S-VOL in the remote array is normal or other than regressed. Check the LU status of the remote array.
582a09f	DMER82A09F: Splitting or deleting SnapShot pair is in progress. Retry after waiting for a while.
582a0a0	DMER82A0A0: The remote array has no data pool. Create a data pool in the remote array.
582a0a1	DMER82A0A1: The LU specified as the S-VOL in the remote array is a data pool LU. The data pool LU cannot be set to an S-VOL. Check the data pool LU status of the remote array.
582a0a2	DMER82A0A2: The LU status of the S-VOL in the remote array is normal or other than regressed. Check the pool LU status of the remote array.
582a0a3	DMER82A0A3: The data pool LU in the remote array is undergoing the forced parity correction. Check the pool LU status of the remote array and retry after waiting for a while.
582a0a4	DMER82A0A4: The S-VOL in the remote array exceeded the total allowable maximum number of Remote Replication and SnapShot pairs. Check the status of the remote array. In addition, delete unnecessary pairs of the remote array.
582a0a5	DMER82A0A5: The Remote Replication pair status of the S-VOL in the remote array is Failure. Check the Remote Replication pair status of the remote array.
582a0a6	DMER82A0A6: The Remote Replication pair status of the S-VOL in the remote array is Pool Full. Check the Remote Replication pair status of the remote array.
582a0a7	DMER82A0A7: The Remote Replication pair status of the S-VOL in the remote array is Split (no read/write allowed). Check the Remote Replication pair status of the remote array.
582a0a8	DMER82A0A8: The Remote Replication pair status of the S-VOL in the remote array is Takeover or the determined data at the end of the previous cycle is being restored to the S-VOL. Check the Remote Replication pair status of the remote array.

Error Code	Description
582a0a9	DMER82A0A9: The Remote Replication pair status of the S-VOL in the remote array is Simplex. Check the Remote Replication pair status of the remote array.
582a0aa	DMER82A0AA: The Remote Replication pair status of the S-VOL in the remote array is Split. Check the Remote Replication pair status of the remote array.
582a0ab	DMER82A0AB: The Remote Replication pair status of the S-VOL in the remote array is not Simplex. Check the Remote Replication pair status of the remote array.
582a0b4	DMER82A0B4: The S-VOL in the remote array does not exist on the default owner controller and, at the same time, the special processing cannot be continued. Check the status of the remote array and retry after waiting for a while.
582a0b5	DMER82A0B5: The S-VOL in the remote array does not exist on the default owner controller and at the same time an ownership of LU change for it has been started. Check the status of the remote array and retry after waiting for a while.
582a0b6	DMER82A0B6: The S-VOL in the remote array does not exist on the default owner controller and it has started an ownership of LU change. Check the status of the remote array and retry after waiting for a while.
582a0b7	DMER82A0B7: The S-VOL in the remote array does not exist on the default owner controller and at the same time an ownership of LU to be changed is blocked. Check the status of the remote array and retry after waiting for a while.
582a0b8	DMER82A0B8: The S-VOL in the remote array cannot change an ownership of LU and at the same time it is using the sequential buffer. Check the status of the remote array and retry after waiting for a while.
582a0b9	DMER82A0B9: The S-VOL in the remote array cannot change an ownership of LU temporarily. Retry after waiting for a while.
582a0ba	DMER82A0BA: The S-VOL in the remote array cannot change an ownership of LU and at the same time it has pinned data. Contact the service personnel.
582a0bb	DMER82A0BB: The S-VOL in the remote array cannot change an ownership of LU temporarily. Retry after waiting for a while.
582a0bc	DMER82A0BC: The S-VOL in the remote array cannot change an ownership of LU temporarily. Retry after waiting for a while.
582a0bd	DMER82A0BD: The S-VOL in the remote array cannot change an ownership of LU and a time-out occurred. Check the status of the remote array and retry after waiting for a while.
582a0be	DMER82A0BE: The S-VOL in the remote array cannot change an ownership of LU, and the group number is illegal. Check the status of the remote array.
582a0c0	DMER82A0C0: The S-VOL in the remote array does not exist on the default owner controller, and its disk drives are being spun up. Check the status of the remote array and retry after waiting for a while.

Error Code	Description
582a0c1	DMER82A0C1: The S-VOL in the remote array does not exist on the default owner controller, and the array is performing the system copy. Check the status of the remote array and retry after waiting for a while.
582a0c2	DMER82A0C2: The S-VOL in the remote array does not exist on the default owner controller, and the array is writing the configuration information. Check the status of the remote array and retry after waiting for a while.
582a0d1	DMER82A0D1: The disk drives that configure a RAID group, to which a target LU in the remote array belongs have been spun down. Perform the operation again after spinning up the disk drives that configure the RAID group.
582a0d2	DMER82A0D2: The specified data pool number in the remote array is not same as the one that is being used for SnapShot. Confirm the indicated data pool number in the remote array. Or the specified Replication Data DP pool or the Management Area DP pool for the remote array does not exist. Or the status of the specified Replication Data DP pool or the Management Area DP pool for the remote array is other than Normal/ Regression. Or the specified Replication Data DP pool for the remote array is different from the one that the specified S-VOL is currently using. Or the Remote Replication pair deletion process is running on the Management Area DP pool of the remote array. Or the Tier Mode for the specified Replication Data DP pool or Management Area DP pool for the remote array is enabled and configured on an unsupported drive (SSD or FMD) only. Add a Tier to the DP pool or specify another DP pool and try again.
582a0d3	DMER82A0D3: The license has expired. Purchase the license.
582a0db	DMER82A0DB: The partition or pair partition to which the target LU belongs is incorrect. Check the partition number.
582a0dd	DMER82A0DD: The firmware internal error occurred. Retry after waiting for a while. If an error occurred again, contact the service personnel.
582a0de	DMER82A0DE: Auto Migration is being executed in the remote subsystem just now. Execute again after the Migration is completed.
582a0e1	DMER82A0E1: The operation to change LU has become timeout while the controller in the remote array is recovering. Retry the operation after the controller is recovered.
582a0e3	DMER82A0E3: The RAID group to which the S-VOL of the remote array belongs indicates a status other than Normal. Retry after the status becomes Normal.
582a0f2	DMER82A0F2: The process of reconfigure memory is in progress on the remote array. Retry after the process of reconfigure memory is completed.

Details about Universal Storage Platform V/VM messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem. This section lists and describes the error messages from Universal Storage Platform V/VM that are contained in Hitachi Device Manager Software messages.

When a Device Manager message contains a message from Universal Storage Platform V/VM, Device Manager displays two types of error code identifying the Universal Storage Platform V/VM messages. The following table lists and describes the Universal Storage Platform V/VM messages that are displayed by Hitachi Device Manager. For details on the Universal Storage Platform V/VM error messages that are not listed in the following table, see the Storage Navigator message manual.

In those messages, %s indicates a string variable and %d indicates a numerical variable.

Messages whose first error code (error code 1) is 60xx (where xx is a two-digit number) are TrueCopy for z/OS or TrueCopy messages. This manual contains TrueCopy for z/OS messages only. If you are a TrueCopy user, note that:

- The word M-VOL in TrueCopy for z/OS messages is equivalent to P-VOL in TrueCopy messages.
- The word R-VOL in TrueCopy for z/OS messages is equivalent to S-VOL in TrueCopy messages.

Note: The list of messages below shows error codes 1 and 2, separated by a comma. The asterisk ("*") indicates that the error code output varies. If a displayed error code does not match any of the codes listed below, see the explanation for the message labeled *,*.

Note: In some cases, the Recommended action column may be blank. In these circumstances, the user should take actions based on instructions provided in the error message and based on what the user is trying to accomplish.

Table 5-2 Universal Storage Platform V/VM messages

Error Code	Description	Recommended action
,	An error has occurred in the subsystem. If you cannot solve this problem, contact the Support Center.	If the problem persists, contact the Support Center.
2,5510	The disk subsystem is in internal process, or some other user is changing the configuration. Wait a while, then click [Refresh] on the File menu, or wait a while and login again.	Wait a while, then click [Refresh] on the File menu, or wait a while and login again.
2,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To	See the Storage Navigator message manual.

Error Code	Description	Recommended action
	perform other operations, select a function button.	
2,58578	An error occurred in the disk subsystem. The configuration may be inconsistent. Please select [All Refresh] and refresh the configuration.	See the Storage Navigator message manual.
3,2003	Volume migration, QuickRestore, etc. are in process. After you reply to this message, a window that shows only the Refresh button will be displayed. Please wait for a while, and then select [Refresh].	After you reply to this message, a window that shows only [Refresh] will be displayed. Wait a while, then click [Refresh].If this problem persists, inconsistency of configuration may have occurred. Please call the Support Center. If the problem occurred when starting SVP, check the version number of the microprogram and the configuration information.
3,2033	The SVP is not ready yet, or an internal processing is being executed. Wait for a while, and then click [Refresh] on the File menu. When an error occurs during login, wait for a while and login again.	See the Storage Navigator message manual.
3,2100	An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Please select [All Refresh] and refresh the configuration.	See the Storage Navigator message manual.
5,66101	This function could not be used because a function failed to start during SVP initialization. Click [All Refresh] and refresh the configuration. If this problem persists, please call the Support Center.	See the Storage Navigator message manual.
305,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	See the Storage Navigator message manual.
405,5047	An error occurred when installing or uninstalling the program product. Please select the program product and select	See the Storage Navigator message manual.

Error Code	Description	Recommended action
	[Detail] to check the details of the error.	
405,5503	You have attempted to install an Emergency key to the option for which a Permanent key has been installed. If you want to install the Emergency key forcibly by using the license key file, please specify Only Normal & Warning and retry this operation. If you want to install the Emergency key forcibly by using the license key code, please select [OK].	See the Storage Navigator message manual.
605,8971	An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Click [Refresh All] on the File menu and refresh the configuration.	See the Storage Navigator message manual.
605,66501	The number of LDEVs that can be defined in an external volume has exceeded the maximum value.	See the Storage Navigator message manual.
605,66502	Specified ExG has already been used.	See the Storage Navigator message manual.
605,66503	It is not set within the range where LDKC, CU, and LDEV can be used.	See the Storage Navigator message manual.
605,66504	Specified LDKC:CU:LDEV has already been used.	See the Storage Navigator message manual.
605,66505	It is allocated in other emulation groups within the delimited range of each 32LDEV number.	See the Storage Navigator message manual.
605,66506	Specified SSID has already been used.	See the Storage Navigator message manual.
605,66507	The target external volume is blocked or not set within the range where capacity can be used.	See the Storage Navigator message manual.
605,66508	The specified LDEV capacity is invalid.	See the Storage Navigator message manual.
605,66509	The total of the LDEV capacity defined in the external volume exceeds the external volume size.	See the Storage Navigator message manual.

Error Code	Description	Recommended action
605,66512	Specified CLPR is not mounted.	See the Storage Navigator message manual.
605,66514	LDKC: CU that cannot be used by the SLPR is specified.	See the Storage Navigator message manual.
605,66515	SSID that cannot be used by the SLPR is specified.	See the Storage Navigator message manual.
605,66517	The target external volume has already been mapped or set.	See the Storage Navigator message manual.
605,66518	The cross-subsystem path configuration of the external volume is not corresponding to the cross-subsystem path configuration defined in PathGroup.	See the Storage Navigator message manual.
605,66675	The syntax of the parameter is invalid.	See the Storage Navigator message manual.
605,66693	A correct parameter is not set as a data transfer volume.	See the Storage Navigator message manual.
605,66694	A correct parameter is not set as RemoteCommandDevice.	See the Storage Navigator message manual.
605,66695	Specified port is not external port.	See the Storage Navigator message manual.
605,66698	The number of alternate Path definitions that can be set to the external volume has exceeded the maximum.	See the Storage Navigator message manual.
605,66702	It is not set within the range where PathGroup can be used.	See the Storage Navigator message manual.
605,66705	It is not Port number that can be specified.	See the Storage Navigator message manual.
605,66710	It is not set within the range where LUN can be used.	See the Storage Navigator message manual.
605,66713	It is not set within the range where ExG can be used.	See the Storage Navigator message manual.
605,66715	Attribute is invalid.	See the Storage Navigator message manual.
605,66718	It is not set within the range where CLPR can be used.	See the Storage Navigator message manual.
605,66720	It is not emulation type that can be specified.	See the Storage Navigator message manual.
605,66722	CacheMode is invalid.	See the Storage Navigator message manual.
605,66724	InflowControl is invalid.	See the Storage Navigator message manual.

Error Code	Description	Recommended action
605,66736	It is not set within the range where LDKC can be used.	See the Storage Navigator message manual.
605,66739	It is not set within the range where CU can be used.	See the Storage Navigator message manual.
605,66742	It is not set within the range where LDEV can be used.	See the Storage Navigator message manual.
605,66744	It is not set within the range where LDEV capacity can be used.	See the Storage Navigator message manual.
605,66747	It is not set within the range where SSID can be used.	See the Storage Navigator message manual.
605,66797	There is an error in the parameter of the subordinate position hierarchy.	See the Storage Navigator message manual.
605,66798	Specified WWN was not found.	See the Storage Navigator message manual.
605,66799	Specified external volume was not found.	See the Storage Navigator message manual.
1005,1128	You have requested to change the channel speed, but the version of Fiber PCB is not supported.	Review the Channel Package.
1005,2100	An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Please select [All Refresh] and refresh the configuration.	See the Storage Navigator message manual.
1005,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator.	See the Storage Navigator message manual.
1305,66572	Declaration is invalid.	See the Storage Navigator message manual.
1305,66573	The number of lines or the number of characters in one line exceeds the maximum number.	See the Storage Navigator message manual.
1305,66574	There is a line that cannot be interpreted as an element of the spreadsheet.	See the Storage Navigator message manual.
1305,66575	It is not corresponding to the serial number of the device that executes the spreadsheet.	See the Storage Navigator message manual.

Error Code	Description	Recommended action
1305,66576	Any operation tag to the program product is not set.	See the Storage Navigator message manual.
1305,66577	Version number or program product of the declaration is not correct.	See the Storage Navigator message manual.
1305,66578	There was an error while executing the spreadsheet. Please confirm the result of each parameter.	See the Storage Navigator message manual.
1305,66675	The syntax of parameter is invalid.	See the Storage Navigator message manual.
3005,8971	An error occurred while connecting to the disk subsystem. The configuration may be inconsistent. Click [Refresh All] on the File menu and refresh the configuration.	See the Storage Navigator message manual.
3005,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	See the Storage Navigator message manual.
3005,58572	An error occurred during the communication with the storage system. Please wait a while, and retry the operation. If the error occurred in the operation of the pool, please refresh the configuration by clicking [Refresh All] on the File menu, then retry the operation.	See the Storage Navigator message manual.
4105,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	See the Storage Navigator message manual.
5105,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition	See the Storage Navigator message manual.

Error Code	Description	Recommended action
	administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	
5205,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	See the Storage Navigator message manual.
5305,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	See the Storage Navigator message manual.
8005,5510	The disk subsystem is in internal process, or some other user is changing configuration. After you reply to this message, a window that shows only the Refresh button will be displayed. Please wait for a while, and then select [Refresh].	See the Storage Navigator message manual.
8005,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	See the Storage Navigator message manual.
8105,2033	The SVP is not ready yet, or an internal processing is being executed.	See the Storage Navigator message manual.
8105,6999	There is a possibility that composition information has been changed.	See the Storage Navigator message manual.
9605,56525	Because the settings across the multiple SLPRs are contained, the authority has been shifted	See the Storage Navigator message manual.

Error Code	Description	Recommended action
	to the storage administrator from the storage partition administrator. To continue the operation, please contact the storage administrator. To perform other operations, select a function button.	

Details about Virtual Storage Platform messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem.

When a Device Manager message contains a message from Virtual Storage Platform, Device Manager displays two types of error codes identifying the Virtual Storage Platform messages. For details on the Virtual Storage Platform error messages, see the Storage Navigator message documentation.

Details about VSP G1000, G1500, and VSP F1500 messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem.

When a Device Manager message contains a message from VSP G1000, G1500, and VSP F1500, Device Manager displays two types of error codes identifying the VSP G1000, G1500, and VSP F1500 messages. For details on the VSP G1000, G1500, and VSP F1500 error messages, see the Storage Navigator message documentation.

Details about VSP Gx00 models and VSP Fx00 models messages

Some messages displayed by Device Manager contain, as a part of the message, a message output from the storage subsystem.

When a Device Manager message contains a message from VSP Gx00 models and VSP Fx00 models, Device Manager displays two types of error codes identifying the VSP Gx00 models and VSP Fx00 models messages. For details on the error messages for VSP Gx00 models and VSP Fx00 models, see the Storage Navigator message documentation.

Acronyms and abbreviations

The following acronyms and abbreviations might be used in this guide.

A

AL
Arbitrated Loop

ALU
Administrative Logical Unit

API
Application Programming Interface

ASCII
American Standard Code for Information Interchange

B

BCM
Business Continuity Manager

BIOS
Basic Input/Output System

C

C/T
ConsisTency

| # | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |

CCR
Cluster Continuous Replication

CHA
CHannel Adapter

CHAP
Challenge Handshake Authentication Protocol

CIFS
Common Internet File System

CIM
Common Information Model

CLI
Command Line Interface

CLPR
Cache Logical PaRtition

CPU
Central Processing Unit

CSR
Certificate Signing Request

CSV
Comma-Separated Values

CT
ConsisTency

CTG
ConsisTency Group

CTL
ConTroLler

CU
Control Unit

CV
Custom Volume

CVS
Custom Volume Size

D

DAD
Device Address Domain

DAMP
Disk Array Management Program

DASD
Direct Access Storage Device

DB
DataBase

DBMS
DataBase Management System

DC
Direct Current

DCR
Dynamic Cache Residency

DEVN
DEVice Number

DFW
DASD Fast Write

DHCP
Dynamic Host Configuration Protocol

DKA
DisK Adapter

DKC
DisK Controller

DKU
DisK Unit

DLL
Dynamic-Link Library

DM-LU
Differential-Management LU

DN
Distinguished Name

DNS
Domain Name System

DOM
Document Object Model

DP
Dynamic Provisioning

DTD
Document Type Definition

E

ENC
ENClosure

EXCTG
EXtended ConsisTency Group

F

FC
Fibre Channel

FCoE
Fibre Channel Over Ethernet

FD
Floppy Disk

FDD
Floppy Disk Drive

FTP
File Transfer Protocol

G

GPT
GUID Partition Table

GUI
Graphical User Interface

GUID
Globally Unique IDentifier

H

H/W
HardWare

HAM
High Availability Manager

HBA
Host Bus Adapter

HDC
Host Data Collector

HDEV
Host DEVice

HDI
Hitachi Data Ingestor

HDU
Hard Disk Unit

HIHSM
Hitachi Internal Hierarchical Storage Management

HODM
Hitachi Online Data Migration

HOMRCF
Hitachi Open Multiple Raid Coupling Feature

HORC
Hitachi Open Remote Copy

HORCA
Hitachi Open Remote Copy Asynchronous

HORCE
Hitachi Open Remote Copy Extended

HORCM
Hitachi Open Remote Copy Manager

HPAV
Hitachi Parallel Access Volume

HRC
Hitachi Remote Copy

HSD
Host Storage Domain

HSSO
HiCommand Single Sign-On

HTML
HyperText Markup Language

HTTP
HyperText Transfer Protocol

HVFP
Hitachi Virtual File Platform

HXRC
Hitachi eXtended Remote Copy

I

I/O
Input/Output

ID
IDentifier

IIS
Internet Information Services

IO
Input/Output

IP
Internet Protocol

IPv4
Internet Protocol Version 4

IPv6
Internet Protocol Version 6

iSCSI
Internet Small Computer System Interface

J

JDBC
Java DataBase Connectivity

JNI
Java Native Interface

JRE
Java Runtime Environment

JSP
JavaServer Pages

K

KDC
Key Distribution Center

L

LAN
Local Area Network

LBA
Logical Block Addressing

LDAP
Lightweight Directory Access Protocol

LDEV
Logical DEVice

LDKC
Logical DisK Controller

LPAR
Logical PARtition

LSN
Log Sequence Number

LTO
Linear Tape-Open

LU
Logical Unit

LUN
Logical Unit Number

LUSE
Logical Unit Size Expansion

LVI
Logical Volume Image

M

M-VOL
Main VOLume (TrueCopy - S/390)

MBR
Master Boot Record

MCU
Main Control Unit

MIB
Management Information Base

MIH
Missing Interrupt Handler

MIME
Multipurpose Internet Mail Extensions

MP
MicroProcessor

MRCF
Multi-RAID Coupling Feature

MTU
Maximum Transmission Unit

N

NAS
Network Attached Storage

NNC
Network Node Controller

NTFS
New Technology File System

NTP
Network Time Protocol

NVS
Non-Volatile Storage

O

OCSP
Online Certificate Status Protocol

OS
Operating System

P

P-VOL
Primary VOLume (TrueCopy, ShadowImage)

PA
Port Address

PAP
Password Authentication Protocol

PCB
Printed Circuit Board

PDEV
Physical DEVice

PDU
Protocol Data Unit

PP
Program Product

PPRC
Peer-to-Peer Remote Copy

R

R/W
Read/Write

R-VOL
Remote VOLume (TrueCopy - S/390)

RADIUS
Remote Authentication Dial In User Service

RAID
Redundant Array of Independent Disks

RCP
Remote Control Port

RCU
Remote Control Unit

| # | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |

RD
Relational Database

RG
RAID Group

RIO
Remote I/O

RMC
ReMote Console

RMI
Remote Method Invocation

ROM
Read Only Memory

S

S-VOL
Secondary VOLume (TrueCopy),Source VOLume (ShadowImage - S/390)

SAN
Storage Area Network

SAS
Serial Attached SCSI

SATA
Serial ATA

SAX
Simple API for XML

SCP
State Change Pending

SCR
Standby Continuous Replication

SCSI
Small Computer System Interface

SIM
Service Information Message

SLP
Service Location Protocol

SLPR
Storage Logical PaRtition

SM
Shared Memory

SMI-S
Storage Management Initiative - Specification

SMTP
Simple Mail Transfer Protocol

SMU
System Management Unit

SNMP
Simple Network Management Protocol

SOAP
Simple Object Access Protocol

SSB
SenSe Byte

SSD
Solid-State Drive

SSH
Secure Shell

SSID
Storage Subsystem ID

SSL
Secure Sockets Layer

SSO
Single Sign-On

SVGA
Super Video Graphics Array

| # | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |

SVP
SerVice Processor

T

T-VOL
Target VOLume (ShadowImage - S/390)

TCP
Transmission Control Protocol

TID
Target ID

TLS
Transport Layer Security

U

UDP
User Datagram Protocol

URL
Uniform Resource Locator

V

V-VOL
Virtual VOLume

VDEV
Virtual DEVice

VDI
Virtual Device Interface

VDS
Virtual Disk Service

VI SDK
VMWare Infrastructure Software Developer Kit

VLL
Virtual LVI/LUN

VMA
Volume Management Area

VOLSER
VOLume SERial number

VSS
Volume Shadow Copy Service

VxFS
Veritas File System

VVol
vSphere Virtual Volume

W

WBEM
Web-Based Enterprise Management

WWN
World Wide Name

X

XML
eXtensible Markup Language

XRC
eXtended Remote Copy

Hitachi Data Systems

Corporate Headquarters
2845 Lafayette Street
Santa Clara, California 95050-2639
U.S.A.
www.hds.com

Regional Contact Information

Americas
+1 408 970 1000
info@hds.com

Europe, Middle East, and Africa
+44 (0)1753 618000
info.emea@hds.com

Asia Pacific
+852 3189 7900
hds.marketing.apac@hds.com

Hitachi Data Systems

MK-90HC178-25