

FUJITSU Software PRIMECLUSTER

Messages

Oracle Solaris / Linux

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Preface

This manual is a guidebook that compiles the messages generated during PRIMECLUSTER environment setup and operation.

Target Readers

This manual is intended for all users who use PRIMECLUSTER and perform cluster system installation and operation management. It is also intended for programmers who develop applications that operate on PRIMECLUSTER.

Configuration of This Documentation

This manual is organized as follows.

Chapter title	Description
Chapter 1 Message Search Procedure	This chapter describes the message types and reference sections.
Chapter 2 Installation Messages	This chapter describes error messages that are displayed during installation.
Chapter 3 GUI Messages	This chapter describes the messages that are displayed during setup operations with Cluster Admin.
Chapter 4 FJSVcluster-format Messages	This chapter describes general messages that are displayed during PRIMECLUSTER environment setup and operation, as well as corrective actions for those messages.
Chapter 5 CF Messages	This chapter describes the CF-related messages and corrective actions for those messages.
Chapter 6 RMS Messages	This chapter describes the RMS-related messages and corrective actions for those messages.
Chapter 7 Command Execution Messages	This chapter describes messages that are displayed when specific commands are executed.
Chapter 8 Smart Workload Recovery Messages	This chapter describes the Smart Workload Recovery-related messages and corrective actions for those messages.
Appendix A CF Reason Code Table	This appendix lists the CF reason codes.
Appendix B Solaris/Linux ERRNO Table	This appendix lists the ERRNOs for Solaris and Linux.
Appendix C Release Information	This appendix lists the main changes in this manual.

Operating System Notations

This manual contains descriptions that apply only to a certain operating system. Such operation system-specific descriptions are identified with special notations as shown below.

A description without a notation applies to both the Solaris (TM) operating system (referred to as "Solaris" in this manual) and Linux.

Operating system	Notation
Oracle Solaris	"Solaris" or "(Solaris)"
Linux	"Linux" or "(Linux)"
If, for clarification, a notation indicating that the information applies to both operating systems is necessary	"Solaris/Linux" or "(Solaris/Linux)"

Related Documentation

Refer to the following manuals as necessary when setting up the cluster:

- PRIMECLUSTER Concepts Guide
- PRIMECLUSTER Installation and Administration Guide
- PRIMECLUSTER Installation and Administration Guide FUJITSU Cloud Service K5
- PRIMECLUSTER Installation and Administration Guide Cloud Services
- PRIMECLUSTER Web-Based Admin View Operation Guide
- PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide
- PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide
- PRIMECLUSTER Reliant Monitor Services (RMS) Reference Guide
- PRIMECLUSTER Reliant Monitor Services (RMS) Troubleshooting Guide
- PRIMECLUSTER Global Disk Services Configuration and Administration Guide
- PRIMECLUSTER Global File Services Configuration and Administration Guide
- PRIMECLUSTER Global Link Services Configuration and Administration Guide: Redundant Line Control Function
- PRIMECLUSTER Global Link Services Configuration and Administration Guide: Redundant Line Control Function for Virtual NIC Mode
- PRIMECLUSTER Global Link Services Configuration and Administration Guide: Multipath Function
- PRIMECLUSTER DR/PCI Hot Plug User's Guide
- PRIMECLUSTER Easy Design and Configuration Guide
- FIQSS (Information Collection Tool) User's Guide
- RC2000 User's Guide

Conventions

Notation

Prompts

Command line examples that require system administrator (or root) rights to execute are preceded by the system administrator prompt, the hash sign (#). Entries that do not require system administrator rights are preceded by a dollar sign (\$).

Manual page section numbers

In manuals, helps, and messages of PRIMECLUSTER, a section number in a manual page is shown in parentheses after a command name or a file name. Example: cp(1)

For Linux, or Oracle Solaris 11.4 or later, replace the section numbers as follows:

- "(1M)" to "(8)"
- "(4)" to "(5)"
- "(5)" to "(7)"
- "(7)" to "(4)"

The keyboard

Keystrokes that represent nonprintable characters are displayed as key icons such as [Enter] or [F1]. For example, [Enter] means press the key labeled Enter; [Ctrl-b] means hold down the key labeled Ctrl or Control and then press the [B] key.

Typefaces

The following typefaces highlight specific elements in this manual.

Typeface	Usage
Constant Width	Computer output and program listings; commands, file names, manual page names and other literal programming elements in the main body of text.
<i>Italic, <Italic></i>	Variables that you must replace with an actual entered value.
<Constant Width>	Variables that you must replace with an actual displayed value.
Bold	Items in a command line that you must type exactly as shown.
"Constant Width"	The title, documentation, screen, and etc of lookup destination.
[Constant Width]	Tool bar name, menu name, command name, button name, and icon names

Example 1

Several entries from an `/etc/passwd` file are shown below:

```
root:x:0:1:0000-Admin(0000):/:
sysadm:x:0:0:System Admin.:/usr/admin:/usr/sbin/sysadm
setup:x:0:0:System Setup:/usr/admin:/usr/sbin/setup
daemon:x:1:1:0000-Admin(0000):/:
```

Example 2

To use the `cat(1)` command to display the contents of a file, enter the following command line:

```
$ cat file
```

Notation symbols

Material of particular interest is preceded by the following symbols in this manual:

Point

.....
 Contains important information about the subject at hand.

Note

.....
 Describes an item to be noted.

Example

.....
 Describes operation using an example.

Information

.....
 Describes reference information.

See

.....
 Provides the names of manuals to be referenced.

Abbreviations

Oracle Solaris is abbreviated as Solaris, Solaris Operating System, and Solaris OS.

Red Hat Enterprise Linux is abbreviated as RHEL.

RHEL is described as Linux.

Red Hat OpenStack Platform is abbreviated as RHOSP.

FUJITSU Hybrid IT Service FJcloud-O is abbreviated as FJcloud-O.

FUJITSU Hybrid IT Service FJcloud-V is abbreviated as FJcloud-V.

FUJITSU Hybrid IT Service for Microsoft Azure is abbreviated as "for Azure."

FUJITSU Hybrid IT Service for AWS is abbreviated as "for AWS."

FJcloud-V sold by FUJITSU LIMITED and NIFCLOUD sold by FUJITSU CLOUD TECHNOLOGIES LIMITED are abbreviated as "NIFCLOUD" in this manual.

"for Azure" sold by FUJITSU LIMITED and Microsoft Azure sold by Microsoft Corporation in the United States are abbreviated as "Azure" in this manual.

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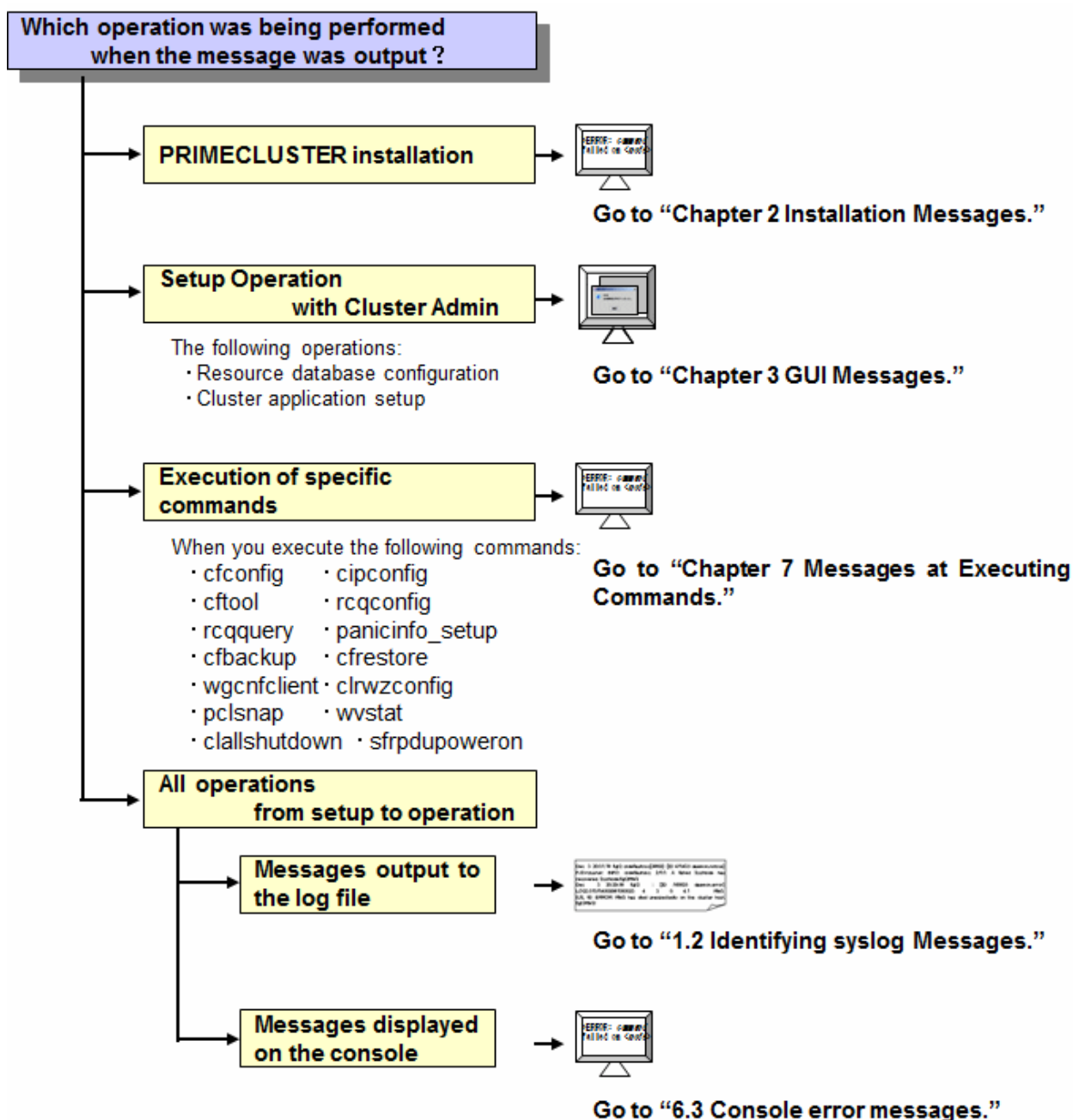
Chapter 1 Message Search Procedure

This chapter describes the message reference section. Read this chapter before searching for messages. This chapter describes the following information:

- Message reference sections arranged by operation
- Identifying syslog messages

1.1 Message Reference Sections Arranged by Operation

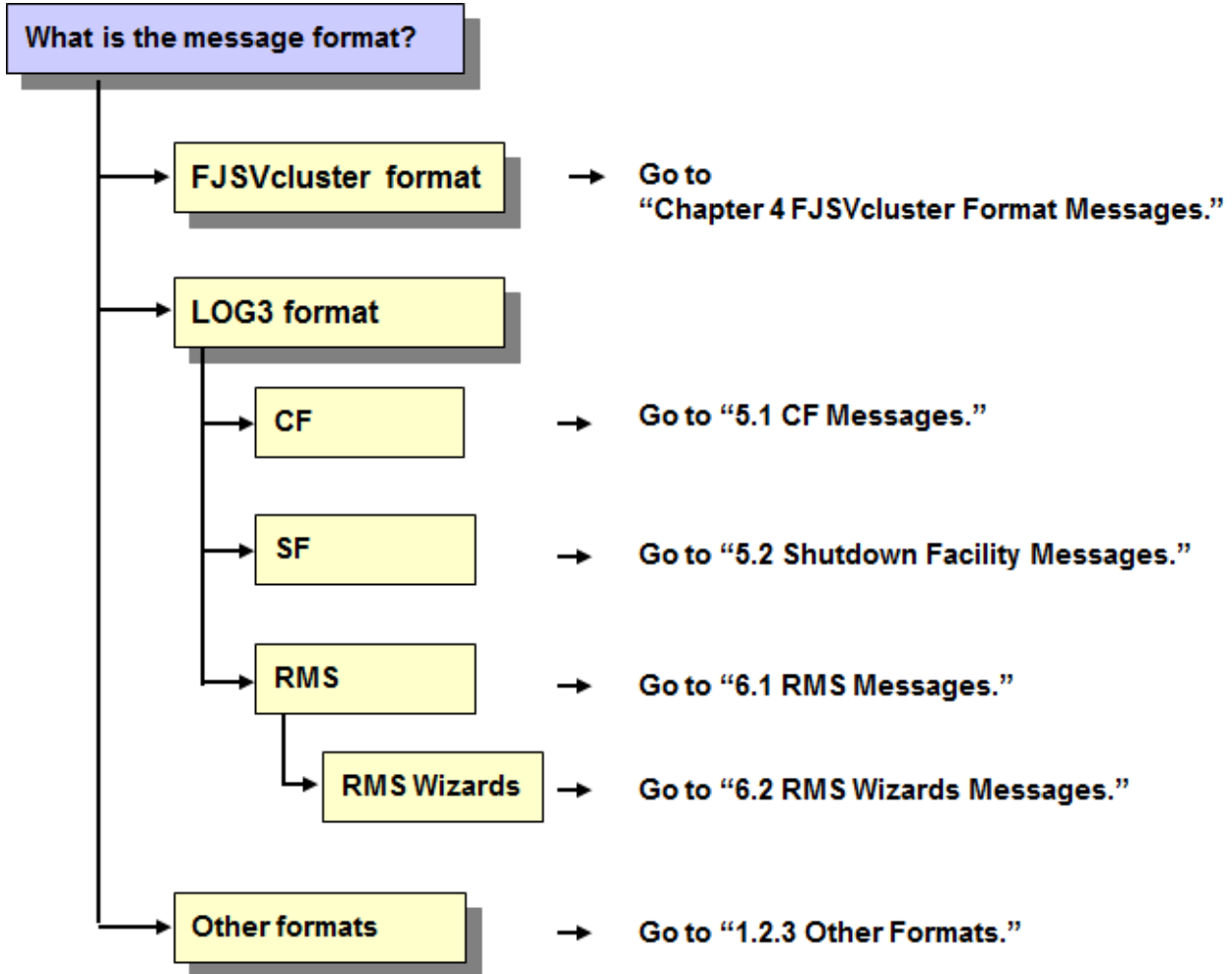
Figure 1.1 To check a message, locate the appropriate reference section in this manual based on the operation that you were performing when the message was output. Select the target operation shown in the flow diagram below and go to the corresponding reference section. Message reference sections arranged by operation.



1.2 Identifying syslog Messages

Various messages are output to the syslog file during system setup and operation. The figure below shows the categories of the messages that are output to the syslog file and the corresponding reference sections in this manual.

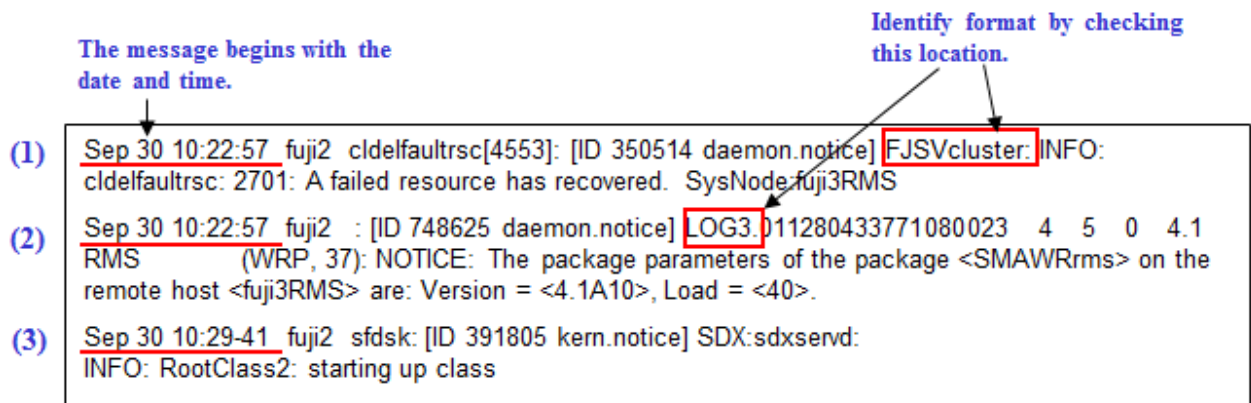
Figure 1.2 syslog message categories and corresponding reference sections



This section explains how to identify which of the above formats applies to a message. Follow the procedure described below to check which format applies to the message to be checked, and to find out the corresponding reference section.

Identifying FJSVcluster, LOG3, and other formats

You can identify the message format by checking whether the "FJSVcluster" or "LOG3" character string is in the message.



- If the character string "FJSVcluster" is found ((1) in the figure)
->"1.2.1 FJSVcluster Format"
- If the character string "LOG3" is found ((2) in the figure)
->"1.2.2 LOG3 Format "
- If neither "FJSVcluster" nor "LOG3" is found ((3) in the figure)
->"1.2.3 Other Formats"

See the descriptions of the individual formats.

Information

Interpreting the message header section

The information items shown below are output to the message header section.

Date/time	Node name	Error ID	Facility	Severity
Sep 30 10:28:22	fuji2	cf_drv: [ID 520048	kern.info]	LOG3.011280437021080024 1007 5 0 1.0
cf.eventlog	CF: (TRACE):	CFSF node leaving cluster failure passed to ENS: fuji3RMS. (#0000 1)		

Message text

The facility types are as follows:

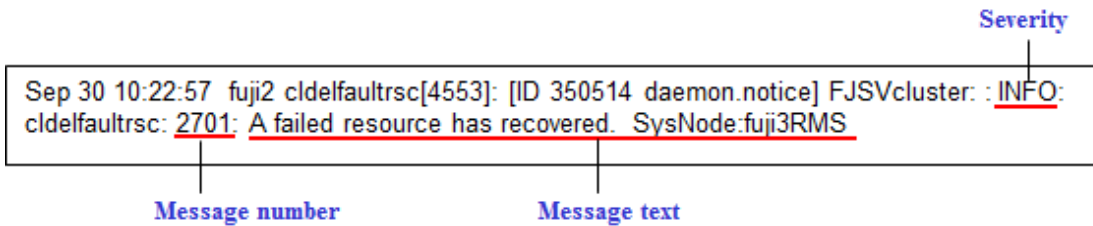
- kern: Indicates a message output from the kernel.
- daemon: Indicates a message output from a daemon.
- user: Indicates a message output from a user process.

The severity levels are as follows:

- emerg: Abnormal termination of the system
- alert: Serious error (immediate action necessary)
- crit: Serious error (early action necessary)
- error: Error (action necessary)
- warning: Warning
- notice: Notice
- info: Information
- debug: Debugging

1.2.1 FJSVcluster Format

If the format is identified as the FJSVcluster format, check the "severity" and "message number" in the message, and see "[Chapter 4 FJSVcluster Format Messages](#)." The messages are grouped by severity level and arranged in message number sequence.

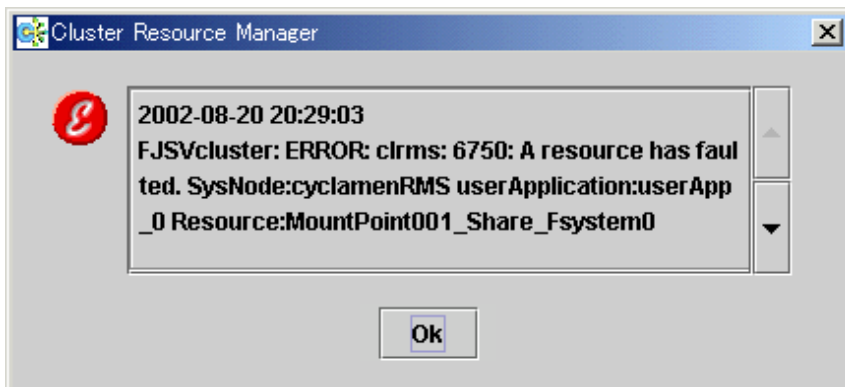


The following table describes the severity levels.

Severity	Meaning
HALT	Indicates a message that reports abnormal termination of a function.
QUESTION	Indicates a message that demands a response.
INFO	Indicates a message that reports information such as the operation status.
WARNING	Indicates a message that reports the occurrence of an error that does not result in abnormal termination.
ERROR	Indicates a message that reports the occurrence of an error that causes abnormal termination.

Information

FJSVcluster-format messages may be displayed in Cluster Admin. In such cases, the message is displayed as shown below.



1.2.2 LOG3 Format

If the format is LOG3, identify whether the message is a CF, SF, or RMS message.

Identifying CF, SF, and RMS messages

Identify the message type by checking the last 7 digits of the character string that starts with "LOG3.", which is enclosed in the box in the figure below. In many cases, the "CF," "SMAWsf," or "RMS" character string is output in the message and provides another way to identify the message type.

Identify format by checking this location.

- (1) Sep 30 10:28:22 fuji2 cf_drv: [ID 520048 kern.info] LOG3.011280437021080024 1007 5 0 1.0
cf.eventlog CF: (TRACE): CFSF node leaving cluster failure passed to ENS: fuji3. (#0000 1)
- (2) Sep 30 10:28:22 fuji2 : [ID 702911 daemon.notice] LOG3.011280437021080028 10 5 50
4.1A10 SMAWsf : The RCSF-CF has received EVENT_NODE_LEFTDOWN_COMBO
- (3) Sep 30 10:22:57 fuji2 : [ID 748625 daemon.notice] LOG3.011280433771080023 4 5 0 4.1
RMS (WRP, 37): NOTICE: The package parameters of the package <SMAWRrms> on the
remote host <fuji3RMS> are: Version = <4.1A10>, Load = <40>.

Identify the type by checking this location.

- If the number is "1080024"
-> CF message ((1) in the figure)
- If the number is "1080028"
-> SF message ((2) in the figure)
- If the number is "1080023"
-> RMS message ((3) in the figure)

CF message

If you identify the message as a CF message, check the message text and see "[Chapter 5 CF Messages](#)." The messages are presented in alphabetical sequence.

```
Sep 30 10:28:22 fuji2 cf_drv: [ID 520048 kern.info] LOG3.011280437021080024 1007 5 0 1.0  
cf.eventlog CF: (TRACE): CFSF node leaving cluster failure passed to ENS: fuji3RMS. (#0000 1)
```

Message text

SF message

If you identify the message as a SF message, check the message text and see "[5.2 Shutdown Facility Message](#)." The messages are presented in alphabetical sequence.

```
Sep 30 10:28:22 fuji2 : [ID 702911 daemon.notice] LOG3.011280437021080028 10 5 50  
4.1A10 SMAWsf : The RCSF-CF has received EVENT_NODE_LEFTDOWN_COMBO
```

Message text

RMS message

There are two types of RMS messages:

- RMS messages
- RMS Wizard tool messages

RMS messages

An RMS message is a message in which the character string "RMS" and a message number with the format "(XXX, 99)" are output. The "XXX" portion of the message number "(XXX, 99)" indicates the RMS component name.

Check the message number, and see "6.1 RMS Messages." For each RMS component name, the messages are presented in numerical order.

Message number

```
Sep 30 10:36:11 fuji2 : [ID 748625 daemon.notice] LOG3.011280441711080023 4 5 0 4.1  
RMS (WRP, 37): NOTICE: The package parameters of the package <SMAWRrms> on the  
remote host <fuji3RMS> are: Version = <4.1A10>, Load = <40>
```

Message text

RMS Wizard tool messages

An RMS Wizard tool message is a message in which the character string "RMSWT" is output. Check the message text, and see "6.2 RMS Wizard Messages ." The messages are presented in alphabetical sequence for each severity. In many cases, the severity is output in the message text.

```
Sep 30 10:56:34 fuji2 : [ID 748625 daemon.notice] LOG3.011280453941080023 9 5 0 4.1  
RMSWT : : NOTICE: enable resource detection for Cmdline1
```

Message text

Information

Messages to be monitored

Even the messages with "notice" as the severity level include messages that should be monitored from the viewpoint of operation and administration tasks.

For example, "Status transition will begin," which is a "notice" level message, is output if a failover occurs. However, this message indicates that some sort of error occurred in the operating server and immediate action is required. Therefore from the viewpoint of operation and administration tasks, this is a message that should be monitored.

Shown below are examples of messages that should be monitored.

- Messages that indicate the start of switchover processing

RMS messages (US, 35), (US, 17), (US, 18), and (US, 26) fall into this category.

Output example:

```
Dec 3 20:20:18 fuji2 : [ID 748625 daemon.notice] LOG3.010704504181080023 11 5 0 4.1 RMS (US, 35): NOTICE:  
uap_sys1: starting Standby processing.  
  
Dec 3 20:30:08 fuji2 : [ID 748625 daemon.notice] LOG3.010704510081080023 11 5 0 4.1 RMS (US, 17): NOTICE:  
uap_sys1_sc: starting Online processing.  
  
Dec 3 21:33:51 fuji2 : [ID 748625 daemon.notice] LOG3.010704548311080023 11 5 0 4.1 RMS (US, 18): NOTICE:  
uap_sys1_sc: starting Offline processing.  
  
Dec 5 14:46:25 fuji2 : [ID 748625 daemon.notice] LOG3.010706031851080023 25 5 0 4.1 RMS (US, 26): NOTICE:  
userApp_1: Fault processing finished!
```

- Messages that indicate the end of mode switchover processing

RMS messages (US, 36), (US, 16), (US, 21), (US, 40), and (US, 30) fall into this category.

Output example:

```
Dec 5 15:17:45 fuji2 : [ID 748625 daemon.notice] LOG3.010706050651080023 25 5 0 4.1 RMS (US, 36): NOTICE:
userApp_1: Standby processing finished!
```

```
Dec 5 15:30:57 fuji2 : [ID 748625 daemon.notice] LOG3.010706058571080023 25 5 0 4.1 RMS (US, 16): NOTICE:
userApp_0: Online processing finished!
```

```
Dec 5 15:31:43 fuji2 : [ID 748625 daemon.notice] LOG3.010706059031080023 11 5 0 4.1 RMS (US, 21): NOTICE:
userApp_2: Offline processing finished!
```

```
Dec 5 18:51:40 fuji2 : [ID 748625 daemon.notice] LOG3.010706179001080023 11 5 0 4.1 RMS (US, 40): NOTICE:
userApp_0: Offline processing due to hvshut finished!
```

```
Dec 5 14:46:29 fuji2 : [ID 748625 daemon.notice] LOG3.010706031891080023 11 5 0 4.1 RMS (US, 30): NOTICE:
userApp_1: Offline processing after Fault finished!
```

[Note]

- A message indicating switching of the local node is output to both the operating system and the standby system.
 - Messages are also output during normal startup and shutdown, and not only during failover.
-

1.2.3 Other Formats

This manual does not describe messages that are not FJSVcluster-format or LOG3-format messages.

CF messages, Global Disk Services (hereinafter GDS), Global File Services (hereinafter GFS), and Global Link Services (hereinafter GLS) messages can be identified as described below. See the corresponding manuals for these messages.

- CF messages

A message containing the character string "CF" is a CF message.

For details, see "[Chapter 5 CF Messages](#)."

- GDS messages

A message containing the character string "SDX:" or "sfdsk:" is a GDS message.

For details, see "GDS Messages" in "PRIMECLUSTER Global Disk Services Configuration and Administration Guide."

- GFS messages

A message containing the character string "sfdfs" or "sfxfs" is a GFS message.

For details, see "List of Messages" in "PRIMECLUSTER Global File Services Configuration and Administration Guide."

- GLS messages

A message containing the character string "hanet" is a GLS message.

For details, see "Messages and corrective actions" in "PRIMECLUSTER Global Link Services Configuration and Administration Guide: Redundant Line Control Function."

Chapter 2 Installation Messages

This chapter describes the messages that are output during PRIMECLUSTER installation.

Listed below are the reference sections for the installation and uninstallation operations in each operating system. In each reference section, the messages are described in alphabetical sequence.

OS	Reference section
Solaris	"2.1 Error Messages for Installation Script (Solaris)"
OS	"2.2 Error Messages for Installation Script (Linux) "
	"2.3 Error Messages for Uninstallation Script (Linux) "

2.1 Error Messages for Installation Script (Solaris)

The messages for the installation script are described in alphabetical sequence.

ERROR: Installation was failed.

Content:

The product installation failed.

Corrective action:

Refer to the following log files to investigate the cause of the installation failure:

/var/sadm/install/logs/cluster_install.1 (log file of CD1)

/var/sadm/install/logs/cluster_install.2 (log file of CD2)

/var/sadm/install/logs/cluster_install.3 (log file of the SUPPLEMENT CD)

Next, refer to "Software Uninstallation" in the Installation Guide for PRIMECLUSTER and remove all packages, and then execute the "cluster_install" command again.

ERROR: Please install the first CD-ROM at first.

Content:

The first CD-ROM has not been installed.

Corrective action:

Wait until installation of the first CD-ROM is completed before installing the second or third CD-ROM.

ERROR: Please install the GUI packages of the first CD-ROM at first.

Content:

The GUI packages in the first CD-ROM have not been installed.

Corrective action:

Wait until installation of the GUI packages in the first CD-ROM is completed before installing the GUI packages in the second or third CD-ROM.

ERROR: This installation is running now.

Content:

The "cluster_install" command is already running.

Corrective action:

Wait until the command is done, and execute it again.

ERROR: This software needs Solaris 8 or later.**Content:**

There was an attempt to execute the "cluster_install" command but the OS version of the machine is earlier than Solaris 8.

Corrective action:

Update the OS version to Solaris 8 or later, and then execute the "cluster_install" command again.

ERROR: This software needs <sparc> architecture.**Content:**

There was an attempt to execute the "cluster_install" command but the CPU type of the machine is not sparc.

Corrective action:

Execute the "cluster_install" command on machine that has sparc as the CPU type.

ERROR: To use this installer you will need to be the root user.**Content:**

The user who executed the cluster_install command does not have the system administrator privilege.

Corrective action:

Execute the "cluster_install" command by using the system administrator privilege.

Warning: The package <FJSViomp> has not been installed.**Content:**

The FJSViomp package has not been installed in the system.

Corrective action:

After the installation with the "cluster_install" command is completed, install the FJSViomp package by using the "pkgadd(1M)" command.

Warning: The package <FJSVsnap> has not been installed.**Content:**

The FJSVsnap package has not been installed in the system.

Corrective action:

After the installation with the "cluster_install" command is completed, install the FJSVsnap package by using the "pkgadd(1M)" command.

Warning: The package <SMAWccbr> has not been installed.**Content:**

The SMAWccbr package has not been installed in the system.

Corrective action:

After the installation with the "cluster_install" command is completed, install the SMAWccbr package as follows:

1. Insert the PRIMECLUSTER CD1 disc into the CD-ROM drive.
2. Execute the following commands:

```
# cd /cdrom/cdrom0/Tool <Return>
```

```
# ./cluster_install -p CCBR <Return>
```

2.2 Error Messages for Installation Script (Linux)

The messages for the CLI Installer are described in alphabetical sequence.

ERROR: /tmp needs <TMP_LEAST> KB at least

Content:

The unused area in the /tmp file system is too small.

Corrective action:

Allocate at least <TMP_LEAST> KB of space to the /tmp file system, and then execute the command again.

ERROR: </usr/sbin/dmidecode> command not found

Content:

</usr/sbin/dmidecode> command has not been installed in the target system.

Corrective action:

Check that the OS has been installed with the correct procedure.

ERROR: /var needs <VAR_LEAST> KB at least

Content:

The unused area in the /var file system is too small.

Corrective action:

Allocate at least <VAR_LEAST> KB of space to the /var file system, and then execute the command again.

ERROR: CF driver is loaded

Content:

The CF driver has been loaded.

Corrective action:

Unload the CF driver, and then execute the command again. For details, see "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

ERROR: failed: rpm *

Content:

Execution of the rpm command failed.

Corrective action:

Refer to the log file, and correct the problem that caused the error. Then execute the command again.

ERROR: Failed to install FJQSS<Information Collection Tool>

Content:

Installation of FJQSS failed.

Corrective action:

Collect the following information and contact field engineers.

- /tmp/fjqssinstaller.log

ERROR: internal error: *

Content:

An internal error occurred.

Corrective action:

Record this message and contact field engineers.

ERROR: no package of product <PROD> on CDx

Content:

CDx does not contain the package of the <PROD> product.

Corrective action:

Insert the correct CD in the CD-ROM drive, and then execute the command again.

ERROR: no package of product set <PSET> on CDx

Content:

CDx does not contain the package of the <PSET> product set.

Corrective action:

Insert the correct CD in the CD-ROM drive, and then execute the command again.

ERROR: platform <PLAT> not supported

Content:

PRIMECLUSTER does not support this platform.

Corrective action:

Check whether the execution environment supports the conditions described in "Operating Environment" in the Installation Guide for PRIMECLUSTER. If the conditions are satisfied, record this message and contact field engineers.

ERROR: please install the first CD-ROM at first

Content:

Install the product from CD1.

Corrective action:

Insert CD1 in the CD-ROM drive, and then execute the command again.

ERROR: product <PROD> on platform <PLAT> not supported

Content:

This platform does not support installation of the <PROD> product.

Corrective action:

Check that the command option specifications are correct. If they are, check whether the execution environment satisfies the conditions described in "Operating Environment" in the Installation Guide for PRIMECLUSTER. If the conditions are satisfied, record this message and contact field engineers.

ERROR: product <PROD1> and <PROD2> contains the same package <PKG>

Content:

The <PROD1> and <PROD2> products cannot be installed at the same time because they contain a common package <PKG>.

Corrective action:

The <PROD1> and <PROD2> products cannot be specified in the options at the same time.

ERROR: product set <PSET> on platform <PLAT> not supported**Content:**

This platform does not support installation of the <PSET> product set.

Corrective action:

Check that the command option specifications are correct. If they are, check whether the execution environment satisfies the conditions described in "Operating Environment" in the Installation Guide for PRIMECLUSTER. If the conditions are satisfied, record this message and contact field engineers.

ERROR: syntax error**Content:**

An inappropriate option was specified.

Corrective action:

Specify the option correctly, and then execute the command again.

ERROR: syntax error (<PSET> <PLAT>)**Content:**

An inappropriate option was specified.

This platform does not support installation of the <PSET> product set.

Corrective action:

Check that the command option specifications are correct. If they are, check whether the execution environment satisfies the conditions described in "Operating Environment" in the Installation Guide for PRIMECLUSTER.

ERROR: the installation process is running now**Content:**

Another installation process is running.

Corrective action:

Wait until the other installation process ends, and then execute the command again.

If this message is displayed even if another installation process is not running, delete the /tmp/cluster_install and /tmp/cluster_uninstall flag files, and then execute the command again.

ERROR: to use this installer you will need to be the root user**Content:**

The command was executed with a privilege other than the system administrator privilege.

Corrective action:

Execute the command with the system administrator privilege.

INFO: no package to update**Content:**

The package found on the CD will not be installed because a package that is the same or newer than the package found on the CD is already installed in the system.

Corrective action:

To install the package found on the CD, delete PRIMECLUSTER from the target system according to the "Software Uninstallation" described in the Installation Guide for PRIMECLUSTER, and then execute the command again.

INFO: The installation process stopped by user request**Content:**

The installation process was stopped by a user request.

Corrective action:

To execute the installation, execute the command again.

Installation failed**Content:**

Installation failed.

Corrective action:

See the error message and the log file, and correct the problem causing the error. Then execute the command again.

**Please see the following log file.
/var/log/install/cluster_install****Content:**

See the /var/log/install/cluster_install log file.

Corrective action:

See the log file, and correct the problem causing the error. Then execute the command again.

**Please see the following log file.
/var/log/install/cluster_install.x****Content:**

See the /var/log/install/cluster_install.x log file.

Corrective action:

See the log file, and correct the problem causing the error. Then execute the command again.

2.3 Error Messages for Uninstallation Script (Linux)

The messages for the CLI Uninstaller are described in alphabetical sequence.

ERROR: /tmp needs <TMP_LEAST> KB at least**Content:**

The unused area in the /tmp file system is too small.

Corrective action:

Allocate at least <TMP_LEAST> KB of space to the /tmp file system, and then execute the command again.

ERROR: /var needs <VAR_LEAST> KB at least**Content:**

The unused area in the /var file system is too small.

Corrective action:

Allocate at least <VAR_LEAST> KB of space to the /var file system, and then execute the command again.

ERROR: CF driver is loaded

Content:

The CF driver has been loaded.

Corrective action:

Unload the CF driver, and then execute the command again. For details, see "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

ERROR: failed: rpm *

Content:

Execution of the rpm command failed.

Corrective action:

See the log file, and correct the problem that caused the error. Then execute the command again.

ERROR: internal error: *

Content:

An internal error occurred.

Corrective action:

Record this message and contact field engineers.

ERROR: product <PROD> on platform <PLAT> not supported

Content:

The <PROD> product is invalid.

Corrective action:

Specify the correct command option, and execute the command again.

ERROR: product set <PSET> on platform <PLAT> not supported

Content:

The <PSET> product set is invalid.

Corrective action:

Specify the correct command option, and execute the command again.

ERROR: syntax error

Content:

An inappropriate option was specified.

Corrective action:

Specify the option correctly, and execute the command again.

ERROR: syntax error (<PSET> <PLAT>)

Content:

An inappropriate option was specified.

The <PSET> product set is invalid.

Corrective action:

Specify the correct command option, and execute the command again.

ERROR: the installation process is running now**Content:**

Another installation process is running.

Wait until the other installation process ends, and then execute the command again.

Corrective action:

If this message is displayed even if another installation process is not running, delete the /tmp/cluster_install and /tmp/cluster_uninstall flag files, and then execute the command again.

ERROR: There exists GDS object(s)**Content:**

A GDS object was found.

Corrective action:

Delete all GDS objects, and then execute the command again.

ERROR: to use this uninstaller you will need to be the root user**Content:**

The command was executed with a privilege other than the system administrator privilege.

Corrective action:

Execute the command with the system administrator privilege.

INFO: no package to uninstall**Content:**

No packages to be uninstalled are currently installed in the system.

Corrective action:

No action is required.

INFO: The uninstallation process stopped by user request**Content:**

The uninstallation process was stopped by a user request.

Corrective action:

To execute uninstallation, execute the command again.

**Please see the following log file.
/var/log/install/cluster_uninstall****Content:**

See the /var/log/install/cluster_uninstall log file.

Corrective action:

See the log file, and correct the problem causing the error. Then execute the command again.

**Please see the following log file.
/var/log/install/cluster_uninstall.x****Content:**

See the /var/log/install/cluster_uninstall.x log file.

Corrective action:

See the log file, and correct the problem causing the error. Then execute the command again.

Uninstallation failed.

Content:

Uninstallation failed.

Corrective action:

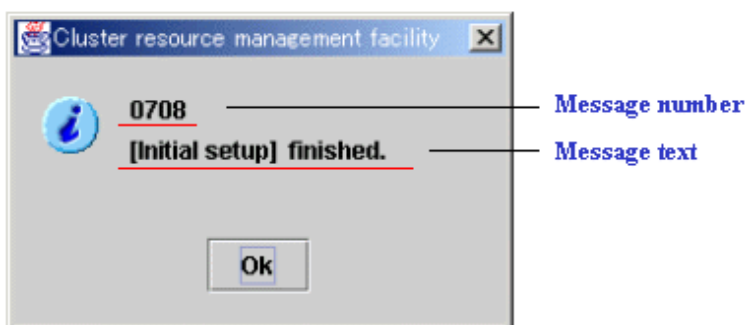
See the error message and the log file, and correct the problem causing the error. Then execute the command again.

Chapter 3 GUI Messages

This chapter describes messages that are displayed in the message dialog box when you use the Cluster Admin GUI to perform operations. Each GUI message consists of a message number and a message text, and the GUI messages are divided into four types according to the message number.

Message number	Message type
0000 to 00xx	Web-Based Admin View Messages
2000 to 4xxx	Cluster Admin Messages
0700 to 07xx	CRM View Messages
0800 to 09xx	userApplication Configuration Wizard Messages

Figure 3.1 Example of a GUI message



The reference sections of the message types are as follows:

- Web-Based Admin View Messages
See "Message" in "PRIMECLUSTER Web-Based Admin View Operation Guide."
- Cluster Admin Messages
See "3.1 Cluster Admin Messages."
- CRM View Messages
See "3.2 CRM View Messages."
- userApplication Configuration Wizard Messages
See "3.3 userApplication Configuration Wizard GUI Messages (Solaris)."

3.1 Cluster Admin Messages

This section describes the messages displayed by Cluster Admin.

3.1.1 Information Messages; No Corrective Action Required

The information messages that no corrective action is required are displayed by Cluster Admin. They are described in message number sequence.

2022 : The *language* Language is not available. Defaulting to English.

Content:

The message catalog for specified language is not present.

**2023 : The file *file* has been replaced on node *node*.
View has been restarted with the current file.**

Content:

The log file has been replaced, the view will restart from the beginning of the file.

2593 :The unload operation was not successful:

Corrective action:

Please check the following message for the detail.

2752 :The following services are running on *node*:

Content:

The listed services are running on the node.

2757 :The following services are installed on *node*:

Content:

The listed services are installed on the node.

2924 :Information:SF Wizard:Reconfig started on *node*.

Content:

SF Wizard reconfiguration started on the *node*.

3009 : Information: Reconnect to node *node* succeeded.

Content:

The connection to backend server process was successful.

3022 : Information: RMS not installed on host *node*.

Content:

RMS has not been installed on the node.

3027 : Information: Reinitializing hvdisp connections to all hosts.

3039 :RMS is not running on any of the hosts.

3071 :removed session *message*.

Content:

Internal Debug message, during GUI shutdown.

3080 :RMS is not installed on *node*.

Content:

RMS has not been installed on the node.

3081 :Connecting to cluster nodes...Please Wait...

Content:

GUI is connecting to the cluster nodes.

3100 :Information: Ignoring env *node*.

Content:

Ignore env node while drawing RMS tree.

3101 :Information: Ignoring envL *node*.

Content:

Ignore envL node while drawing RMS tree.

3.1.2 Information Messages; Corrective Action Required

The information messages that corrective actions are required are displayed by Cluster Admin. They are described in message number sequence.

2012 : No matching entries found.

Content:

No results found for the specified entries for log messages.

Corrective action:

Change the entries.

2019 : Exit Cluster Admin?

Content:

Do you want to exit Cluster Admin GUI?

Corrective action:

Click either of the following buttons:

- Yes: Exits Cluster Admin GUI.
- No: Continues the operation.

2584 :node failed to stop. Do you wish to retry?

Corrective action:

Click either of the following buttons:

- Yes: Retries to stop the node.
- No: Does not stop the node.

2589 :node failed to start. Do you wish to retry?

Corrective action:

Click either of the following buttons:

- Yes: Retries to start the node.
- No: Does not start the node.

2597 :Do you wish to invoke the Shutdown Facility Wizard to configure this cluster?

Corrective action:

Invoke the Shutdown Facility Wizard to continue this cluster configuration.

2751 :This configuration uses unconnected interfaces. It is not possible to verify the integrity of the configuration. Do you wish to continue?

Corrective action:

Click either of the following buttons:

- Yes: Continues the operation.

- No: Stops the operation.

2753 :Are you sure you want to mark *node0* as down on *node1*?**Corrective action:**

Click either of the following buttons:

- Yes: Marks DOWN.
- No: Does not mark DOWN.

2754 :Are you sure you wish to remove *node* from CIM?**Corrective action:**

Click either of the following buttons:

- Yes: Removes the node.
- No: Does not remove the node.

2755 : Are you sure you wish to stop CF and all services on all nodes?**Corrective action:**

Click either of the following buttons:

- Yes: Stops all the nodes.
- No: Does not stop all the nodes.

2756 :Are you sure you wish to override CIM on *node*?**Corrective action:**

Click either of the following buttons:

- Yes: Overrides CIM.
- No: Does not override CIM.

2904 : Exit Shutdown Facility configuration wizard?**Content:**

Do you want to exit the Shutdown Facility configuration wizard?

Corrective action:

Click either of the following buttons:

- Yes: Exits the Shutdown Facility configuration wizard.
- No: Continues the Shutdown Facility configuration wizard.

2999 : ICMP shutdown agent cannot be selected because the cluster is not on the guest domain in Oracle VM Server for SPARC.

Refer to the "PRIMECLUSTER Installation and Administration Guide" and select an appropriate shutdown agent.

Corrective action:

See "Configuring the Shutdown Facility" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)," and then select an appropriate shutdown agent.

3011 : Information: RMS is not running on any of the hosts. It must be started.

Content:

RMS is not running on any node.

Corrective action:

Check if RMS is running or not. Start RMS if it is not running. If RMS is running, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3035 :Shutdown failed.

Click "msg" tab for details of the error returned from hvshut.

Do you want to force a shutdown ?

Corrective action:

Click either of the following buttons:

- Yes: Forces a shutdown.
- No: Does not force a shutdown.

3045 :Are you sure you want to activate application *application* across the entire cluster ?

Note that a separate Online request will be needed to actually start the application.

Corrective action:

Click either of the following buttons:

- Yes: Activates the cluster application.
- No: Does not activate the cluster application.

3046 :Are you sure you want to deactivate application *application* across the entire cluster ?

Note that an Activation request will be needed to bring the application out of its deactivated state.

Corrective action:

Click either of the following buttons:

- Yes: Deactivates the cluster application.
- No: Does not deactivate the cluster application.

3047 :Are you sure you wish to attempt to clear all faults for application *application* on <node type> <node name>?

Content:

Are you sure you wish to attempt to clear all faults for Cluster application *userApplication* on <node name>?

Corrective action:

Click either of the following buttons:

- Yes: Clears Fault.
- No: Does not clear Fault.

3049 :Are you sure you want to attempt to clear wait state for <node name> <node type> on all cluster hosts ?

Note that this command assumes the cluster host has been manually "Killed", i.e, it has been shut down such that no cluster resources are online.

If this command is executed without first having manually "killed" the cluster host, data corruption may occur!

Content:

Are you sure you want to attempt to clear Wait state for <node name> on all cluster hosts?

* It is recommended to click No to protect against potential data corruption.

Corrective action:

Click either of the following buttons:

- Yes: Clears Wait state.
- No: Does not clear Wait state.

3050 :Are you sure you want to attempt to clear wait state for <node name> <node type> on all cluster hosts ?

Note that it would be done by returning the specified <node type> to online state.

Corrective action:

Click either of the following buttons:

- Yes: Clears Wait state.
- No: Does not clear Wait state.

3051 :Are you sure you wish to force application *application* online on <node type> <node name> ?

Warning: The forced switch option ignores potential error conditions. Used improperly, it can result in data corruption.

Corrective action:

Click either of the following buttons:

- Yes: Forces the cluster application Online.
- No: Does not force the cluster application Online.

3052 :Are you sure you wish to take application *application* offline on host *node* and bring it online on <node type> <node name> ?

Corrective action:

Click either of the following buttons:

- Yes: Switches the cluster application.
- No: Does not switch the cluster application.

3053 :Are you sure you wish to bring application *application* online on <node type> <node name> ?

Corrective action:

Click either of the following buttons:

- Yes: Brings the cluster application Online.
- No: Does not bring the cluster application Online.

3054 :Are you sure you wish to bring application *application* online on the highest priority host?

Note: If the application is already online on the highest priority host, this operation will not have any effect.

Corrective action:

Click either of the following buttons:

- Yes: Brings the cluster application Online.
- No: Does not bring the cluster application Online.

3055 :Are you sure you wish to start the RMS Configuration Monitor on <node type> <node name> ?

Corrective action:

Click either of the following buttons:

- Yes: Starts RMS.
- No: Does not start RMS.

3056 :Are you sure you wish to bring application *application* to a standby state ?

Corrective action:

Click either of the following buttons:

- Yes: Brings the cluster application to Standby.
- No: Does not bring the cluster application to Standby.

3060 :Fatal Error internal: RMS.clone called with null pointer.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3061 :Error: Remote connection failed, Exception: *message*.

Content:

Failed to connect to the Remote host.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

**3062 :Error: Unable to connect to *host domain port*.
message
Verify node name, port number and if web server is running.**

Content:

Failed to connect to the Remote host.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

**3063 :Error: Unable to open reader for file *file*
Exception: *exception*.**

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3064 :No open sessions.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3065 :Error: Session <rms session> not found.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3066 :Missing rc: internal Error.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3067 :rmsCluster.RT is not null.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3068 :Warning: Configuration has no graph, only <number of nodes> disjoint nodes.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3069 :Warning: Unable to draw graph.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3083 :CRM is not installed on node.

Content:

CRM software has not been installed on the specified node.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3138 : All SysNodes are online or coming up.

Content:

All sysnodes are up or are coming up.

Corrective action:

Wait for the nodes to be online.

3141 : Unable to get valid RMS or CF Node list.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

**3146 :Are you sure you want to activate scalable application *application* across the entire cluster ?
Note that a separate Online request will be needed to actually start the application.**

Content:

GUI message asking to initiate hvutil -a.

Corrective action:

Click either of the following buttons:

- Yes: Starts the scalable application.
 - No: Does not start the scalable application.
-

**3147 :Are you sure you want to deactivate scalable application *application* across the entire cluster ?
Note that an Activation request will be needed to bring the application out of its deactivated state.**

Content:

GUI message asking to initiate hvutil -d.

Corrective action:

Click either of the following buttons:

- Yes: Stops the scalable application.
 - No: Continues the scalable application.
-

3148 :Are you sure you wish to attempt to clear all faults for scalable application *application* on <node type> <node name> ?

Content:

GUI message asking to initiate hvutil -c.

Corrective action:

Click either of the following buttons:

- Yes: Clears all Fault states for the scalable application.
- No: Does not clear all Fault states for the scalable application.

3151 :Are you sure you wish to take scalable application *application* offline on host *node* and bring it online on *<node type> <node name>* ?

Content:

GUI message asking to initiate hvswitch.

Corrective action:

Click either of the following buttons:

- Yes: Switches the scalable application.
- No: Does not switch the scalable application.

3152 :Are you sure you wish to bring scalable application *application* online on *<node type> <node name>* ?

Content:

- GUI message asking to initiate hvswitch.

Corrective action:

Click either of the following buttons:

- Yes: Brings the scalable application Online.
- No: Does not bring the scalable application to Online.

**3153 :Are you sure you wish to bring scalable application *application* online on the highest priority host?
Note: If the application is already online on the highest priority host, this operation will not have any effect.**

Content:

- GUI message asking to initiate hvswitch.

Corrective action:

Click either of the following buttons:

- Yes: Brings the scalable application Online.
- No: Does not bring the scalable application Online.

3154 :Are you sure you wish to bring scalable application *application* to a standby state ?

Content:

GUI message asking to initiate hvutil -s.

Corrective action:

Click either of the following buttons:

- Yes: Brings the scalable application Standby.
- No: Does not bring the scalable application.

3161 :Are you sure you wish to take application *application* out of maintenance mode?

Content:

GUI message asking to initiate hvutil -m.

Corrective action:

Click either of the following buttons:

- Yes: Takes the cluster application out of maintenance mode.
- No: Does not take the cluster application out of maintenance mode.

3163 :Are you sure you wish to take scalable application *application* out of maintenance mode?**Content:**

GUI message asking to initiate hvutil -m.

Corrective action:

Click either of the following buttons:

- Yes: Takes the cluster application out of maintenance mode.
- No: Does not take the cluster application out of maintenance mode.

3164 :Are you sure you wish to take ALL the applications on the cluster out of maintenance mode?**Content:**

GUI message asking to initiate hvutil -M.

Corrective action:

Click either of the following buttons:

- Yes: Takes all cluster applications out of maintenance mode.
- No: Does not take all cluster applications out of maintenance mode.

4100 : ICMP shutdown agent cannot be selected because I/O fencing function of GDS is not configured. Refer to the "PRIMECLUSTER Installation and Administration Guide" and configure I/O fencing function of GDS first.**Content**

The ICMP shutdown agent cannot be selected because the I/O fencing function of GDS is not configured or the setting is incorrect.

Corrective action:

See "Setting I/O Fencing Function of GDS" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)," and then set the ICMP shutdown agent after setting the I/O fencing function of GDS.

Add the case-sensitive description to the setting file when setting "SDX_VM_IO_FENCE=on".

4101 : For CF node *node*, the IP Address *m* and IP Address *n* are duplicate. Select a different IP Address or decrease the number of IP Address.**Content:**

IP address *m* and IP address *n* which are used to confirm alive node in CF *node* are duplicated.

Corrective action:

Select a different IP address or decrease the number of IP address.

4102 : The following IP address(es) in the configuration are displayed as blank because they are not assigned on the node.

Select IP address(es) from the list of valid IP address(es) assigned on the node.

IP Address1(node1)
IP Address2(node2)
:
IP Address n(node n)

Content:

The configured IP addresses are displayed as blank, because they are not assigned on the *node* of CF node.

Corrective action:

Select IP address (es) from the list of valid IP address (es) that are assigned on the corresponding node.

4103 : IP address column "IP address *n*" for CF node *node* is not selected. You must specify IP address to check whether the CF node is alive.

Content:

The used IP address in the CF *node* <CF *nodename*> cannot be selected.

Corrective action:

Select the IP address used to confirm alive node.

Check whether there are other unselected IP address columns.

3.1.3 Warning Messages

The warning messages displayed by Cluster Admin are described in message number sequence.

2905 :Please select at least one CF node to continue.

2909 :Empty SF configuration found. Click "ok" to create a new configuration.

2945 :Interface is being used by CF on *node*. Using the same interface for the Shutdown Facility may cause problems in split brain situations. Do you wish to continue using the same interface ?

Content:

Interface is being used by CF. Using the same interface for the Shutdown Facility may cause problems if cluster partition occurs.

Corrective action:

Check the interface used in the Shutdown Facility.

2949 :Following nodes are unreachable:*node*. Running the SF Wizard when some nodes are unreachable can result in incorrect node elimination later on. We strongly recommend you to exit the SF Wizard and do the configuration at a later time when all the nodes are up and reachable. Do you want to exit the SF Wizard?

Content:

Some nodes are unreachable. Running the SF Wizard when some nodes are unreachable can result in incorrect node elimination later on. We strongly recommend you to exit the SF Wizard and do the configuration at a later time when all the nodes are UP and reachable.

Corrective action:

Exit the SF Wizard and check that all the nodes are UP and reachable. Then, perform the configuration.

2953 : Timeout for the *agent* Shutdown Agent is *timeout* which is different from the default timeout :*timeout* for this Shutdown Agent.The timeout value should be 20 if number of hosts is less than or equal to 4.If number of hosts are more than 4 the timeout value should be (6 x no. of nodes) + 2.Do you want to set the default timeout value ?

Content:

Specified Timeout for the RCCU Shutdown Agent is different from the default timeout.

Corrective action:

Set the default timeout value for the RCCU Shutdown Agent.

2954 :Unable to get status of shutdown agent on the following nodes:*node* Check the hardware/software configuration for the shutdown agent. Running the SF Wizard now can result in incorrect configuration.

We strongly recommend you to exit the SF Wizard and do the configuration after correcting the shutdown agent setup. Do you want to exit the SF Wizard?

Content:

Unable to get status of shutdown agent. Check the hardware/software configuration for the shutdown agent. Running the SF Wizard now can result in incorrect configuration. We strongly recommend you to exit the SF Wizard and do the configuration after correcting the shutdown agent setup.

Corrective action:

Exit the SF Wizard and correct the shutdown agent. Then, perform the configuration.

2958 :By choosing "Use Defaults", you will reset the previously configured username and passwords. Are you sure you want to use the default settings?

Content:

By choosing "Use Defaults," you will reset the previously configured username and passwords. Are you sure you want to use the default settings?

Corrective action:

If there is no problem for resetting the previously configured username and passwords, select "Use Defaults."

3007 : Warning: Reconnect to *node* failed, trying again after *time* sec...

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3008 : Warning: Lost data connection for node *node*. Attempting to reconnect...

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3014 : Warning: Ignoring remote data:

Content:

Information message.

Corrective action:

No action is required.

3015 : Warning: Interrupt while reading data, line :

Content:

Information message.

Corrective action:

No action is required.

3017 : Warning: RMS node *node* already marked as localhost.

Content:

Information message.

Corrective action:

No action is required.

3019 : Warning: node *node* not found.

Content:

Information message.

Corrective action:

No action is required.

3036:Shut down RMS on the local node without shutting down running applications. All RMS nodes are notified that a controlled shutdown is under way on the local node. This may break the consistency of the cluster. No further action may be executed by RMS until the cluster consistency is re-established. This re-establishment includes restart of RMS on the shutdown host.Do you want to continue ?

Content:

This message asks user to allow/disallow forced shutdown without stopping the applications.

Corrective action:

User should answer yes or no for the forced shutdown.

3037:This option forces the configuration monitor to clean up and shut down RMS on the local system without performing offline processing. This may break the consistency of the cluster. No further action may be executed by RMS until the cluster consistency is re-established. This re-establishment includes restart of RMS on the shutdown host. Do you want to continue ?

Content:

This message asks user to allow/disallow forced shutdown without stopping the applications.

Corrective action:

User should answer yes or no for the forced shutdown.

3038:This option shuts down RMS on all nodes along with the user applications.An attempt will be made to bring all online user applications offline.Do you want to continue ?

Content:

This message asks user to allow/disallow forced shutdown without stopping RMS on all the nodes.

Corrective action:

User should answer yes or no for the forced shutdown.

3085:RMS cannot be started. Please start CF first.

Content:

RMS cannot be started. Please start CF first.

Corrective action:

Please start CF.

3094:Maximum number of post cards open should not be more than five. Please close some of the post cards.

Content:

Maximum number of post cards can be opened is up to five. Please close some of the post cards.

Corrective action:

Please close some of the post cards.

3120:Lost connection to gateway host. Status of RMS is unknown. Press the Retry button to try and reconnect to the host.

Content:

To check the status of RMS from Cluster Admin, the processing is managed at each node.

This processing is managed separately from connected/selected nodes during Web-Based Admin View or Cluster Admin startup. There is no method to check which node the processing is managed.

This message is output when disconnecting the appropriate node from Web-Based Admin View due to a system shutdown, and so on.

Depending on the management status in Cluster Admin, this message may output even after stopping the system; however there is no problem because this operation is normal.

Corrective action:

Press the Retry button.

Re-connecting Web-Based Admin View to the host allows Cluster Admin to get the status of RMS.

3149:Are you sure you wish to bring scalable application *userapplication* offline ? Note that it would be brought offline without initiating a switchover or shutting down RMS.

Content:

This message asks user to bring the scalable application Offline.

Corrective action:

User should answer yes or no for the switchover.

3150:Are you sure you wish to force scalable application *userapplication* online on node type *node name*? Warning: The forced switch option ignores potential error conditions. Used improperly, it can result in data corruption.

Content:

This message asks user to forcibly bring the scalable application Online.

Corrective action:

User should answer yes or no for the forced switchover.

3155:This option forces the configuration monitor to clean up and shut down RMS on all systems without performing offline processing. This may break the consistency of the cluster. No further action may be executed by RMS until the cluster consistency is re-established. Do you want to continue ?

Content:

GUI message asking to forcibly stop RMS on all the nodes without performing Offline processing.

Corrective action:

User should answer yes or no for the forced shutdown.

3160:Are you sure you wish to take application *userapplication* into maintenance mode? Warning: RMS monitors applications in maintenance mode, but does not take any corrective actions if the application resources fail.

Content:

This message asks user to change applications to maintenance mode.

Corrective action:

User should answer yes or no for the change.

**3162:Are you sure you wish to take scalable application *userapplication* into maintenance mode?
Warning: RMS monitors applications in maintenance mode, but does not take any corrective actions if the application resources fail.**

Content:

This message asks user to change the scalable application to maintenance mode.

Corrective action:

User should answer yes or no for the change.

**3165:Are you sure you wish to take ALL the applications on the cluster into maintenance mode?
Warning: RMS monitors applications in maintenance mode, but does not take any corrective actions if the application resources fail.**

Content:

This message asks user to change all the applications on the cluster to maintenance mode.

Corrective action:

User should answer yes or no for the change.

3.1.4 Error Messages

The error messages displayed by Cluster Admin are described in message number sequence.

2000 : Error getting nodes or no active nodes to manage.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2001: Error in loading image: *image*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2002: Timeout checking installed packages.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

**2004 : Connection to port *port* on host *node* failed: *message*.
Please Verify node name, port number, and that the web server is running.**

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2010 : No node object for: *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2011 : Unknown data stream.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2013 : Finished searching the document.

Content:

No results found for the specified filter criteria for log messages.

Corrective action:

Change the filter criteria.

2014 : File not found.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2016 : Invalid time range.

Content:

The start time has been set after the end time for filtering log messages in logviewer.

Corrective action:

Change the time range.

2017 : Unknown Message Identifier in resource file:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2018 : Illegal arguments for Message Identifier:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2020 : Start time is invalid.

Content:

The start time is not correct for searching messages in log viewer.

Corrective action:

Correct the start time.

2021 : End time is invalid.

Content:

The end time is not correct for searching messages in log viewer.

Corrective action:

Correct the end time.

2501 :There was an error loading the driver:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2502 :There was an error unloading the driver:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2504 :There was an error unconfiguring CF:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2505 :There was an error communicating with the back end:

Content:

Cluster Admin failed to get the host name corresponding to mip of Web-Based Admin View.

Corrective action:

Execute the following command on all cluster nodes to check the mip value.

```
# /etc/opt/FJSVwvbs/etc/bin/wvGetparam mip
```

Describe the mip value checked above and its corresponding host name to the hosts file on all the cluster nodes.

For details on mip, see "Environment variable" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

For details on the wvGetparam command, see "Web-Based Admin View" of "PRIMECLUSTER Installation and Administration Guide."

For the hosts file, check the following:

- Solaris
 /etc/inet/hosts
- Linux
 /etc/hosts

2506 :There are no nodes in a state that can be stopped.

Content:

There are no nodes in a state that can be stopped.

Corrective action:

There are no nodes in a state that can be stopped. Node should be in one of these states to be stopped: UP, INVALID, COMINGUP, or LOADED.

2507 :Error starting CF on node:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2508 :Error listing services running on node:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2510 :Error stopping CF on node:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2511 :Error stopping service on node:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2512 :Error clearing statistics on node:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2513 :Error marking down node:

Content:

Error occurred when marking nodes as DOWN.

Corrective action:

Error occurred when marking nodes as DOWN. The nodes should be in the LEFTCLUSTER state to be able to mark down.

2514 :To start CF on the local node, click on the appropriate button in the left hand panel.To start CF on a remote node, CF must be running on the local node.

Content:

To start CF on the local node, click on the appropriate button in the left hand panel. To start CF on a remote node, CF must be running on the local node.

Corrective action:

Start CF on the local node by clicking on the appropriate button in the left hand panel. To start CF on a remote node, CF must be running on the local node.

2515 :To unconfigure CF on the local node, click on the appropriate button in the left hand panel.To unconfigure CF on a remote node, CF must be running on the local node.

Content:

To unconfigure CF on the local node, click on the appropriate button in the left hand panel. To unconfigure CF on a remote node, CF must be running on the local node.

Corrective action:

Unconfigure CF on the local node by clicking on the appropriate button in the left hand panel. To unconfigure CF on a remote node, CF must be running on the local node.

2516 :CF is not running on the local node, and cannot be stopped.To stop CF on a remote node, CF must be running on the local node.

Content:

CF is not running on the local node, and cannot be stopped. To stop CF on a remote node, CF must be running on the local node.

Corrective action:

CF is not running on the local node, and cannot be stopped. To stop CF on a remote node, CF must be running on the local node.

2517 :In order to mark nodes as DOWN, CF must be running on the local node.

Content:

To mark nodes as DOWN, CF must be running on the local node.

Corrective action:

To mark nodes as DOWN, start CF on local node by clicking on the appropriate button in the left hand panel.

2518 :In order to display network topology, CF must be running on the local node.

Content:

To display network topology, CF must be running on the local node.

Corrective action:

To display network topology, start CF on local node by clicking on the appropriate button in the left hand panel.

2519 :In order to display any statistics, CF must be running on the local node.

Content:

To display any statistics, CF must be running on the local node.

Corrective action:

To display any statistics, start CF on local node by clicking on the appropriate button in the left hand panel.

2520 :In order to clear statistics, CF must be running on the local node.

Content:

To clear statistics, CF must be running on the local node.

Corrective action:

To clear statistics, start CF on local node by clicking on the appropriate button in the left hand panel.

2521 :There are no nodes in a state where statistics can be displayed.

Content:

There are no nodes in a state where statistics can be displayed.

Corrective action:

There are no nodes in a state where statistics can be displayed. Node should be in UP state for this operation.

2522 :There are no nodes in a state where messages can be displayed.

Content:

There are no nodes in a state where messages can be displayed.

Corrective action:

There are no nodes in a state where messages can be displayed. Node should not be UNKNOWN state for this operation.

2523 :There are no nodes in a state where they can be started.**Content:**

There are no nodes in a state where they can be started.

Corrective action:

There are no nodes in a state where they can be started. Node should be in one of these states for this operation: LOADED, UNLOADED, or NOT_INITED.

2524 :There are no nodes in a state where they can be unconfigured.**Content:**

There are no nodes in a state where they can be unconfigured.

Corrective action:

There are no nodes in a state where they can be unconfigured. Node should be in one of these states for this operation: LOADED, UNLOADED, or NOT_INITED.

2526 :Error scanning for clusters:**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2528 :Please select a cluster to join.**2529 :The specified cluster name is already in use.****Content:**

The specified cluster name is already in use.

Corrective action:

Please use other cluster name.

2532 :Probing some nodes failed. See status window for details.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2533 :Some nodes failed CIP configuration.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2534 :Insufficient IPs for net *net* available in /etc/hosts. There are not enough unassigned IPs in /etc/hosts on the cluster nodes. Please remove any unneeded addresses for this subnet from /etc/hosts, or use a different subnet.

2535 :Missing node suffix for net *net*.

Content:

The node suffix has not been entered.

Corrective action:

Please provide the node suffix.

2536 :The node suffix for net *net* is too long.

Content:

The node suffix is too long.

Corrective action:

The node suffix should be less than or equal to 10.

2537 :Invalid node suffix for net *net*. Node names may only contain letters, numbers, and - characters.

Content:

Invalid node suffix. Node names may only contain letters, numbers, and - characters.

Corrective action:

Enter valid node suffix.

2538 :Invalid subnet mask for net *net*. The subnet mask must be in the form of 4 numbers 0-255 separated by dots. Also, when written in binary, it must have all 1s before 0s.

Content:

Invalid subnet mask. The subnet mask must be in the form of 4 numbers 0-255 separated by dots. Also, when written in binary, it must have all 1s before 0s.

Corrective action:

Enter valid subnet mask.

2539 :Invalid subnet number for net *net*. The subnet number must be in the form of 4 numbers 0-255 separated by dots.

Content:

Invalid subnet number. The subnet number must be in the form of 4 numbers 0-255 separated by dots.

Corrective action:

Enter valid subnet number.

2540 :net *net* is too small. The cluster has *number of nodes* nodes. Only *number of nodes* possible host ids is supported by the IP subnet and netmask given for net *net*. Please use a subnet and netmask combination that has more host ids.

Content:

IP/netmask combination is too small.

Corrective action:

Please use a subnet and netmask combination that has more host IDs.

2541 :The IP range *ip1/netmask1* overlaps with *ip2/netmask2*, which is in use on *node*.



ip1

In IPv4, the subnet number on the screen is displayed.

In IPv6, the network prefix on the screen is displayed.

ip2

In IPv4, the IPv4 address being activated in the network interface on *node* is displayed.

In IPv6, the IPv6 address being activated in the network interface on *node* is displayed.

netmask1 netmask2

In IPv4, the subnet mask is displayed.

In IPv6, the prefix-length is displayed.

Content:

- IPv4

The networks for the subnet number (*ip1*) and the subnet mask (*netmask1*), and the IPv4 address (*ip2*) being activated in the network interface on *node* and the subnet mask (*netmask2*) overlap with each other.

IPv6

The networks for the network prefix (*ip1*) and the prefix-length (*netmask1*), and the IPv6 address (*ip2*) being activated in the network interface on *node* and the prefix-length (*netmask2*) overlap with each other.

Corrective action:

For IPv4, use the subnet number and the subnet mask that become other network.

For IPv6, use the network prefix and the prefix-length that become other network.

2542 :The IP ranges for net *net1* and net *net2* overlap.

Content:

The IP/netmask combination provided overlaps with each other.

Corrective action:

Please use other IP/netmask combination.

2543 :The *subnet* subnet has no nodes on it.

Content:

There are no nodes on the subnet.

Corrective action:

Please select some node from the list.

2544 :There are no nodes in a LEFTCLUSTER state.

Content:

There are no nodes in a LEFTCLUSTER state.

Corrective action:

This option is valid when there is some node in LEFTCLUSTER state.

2549 :Error adding *node* to CIM:**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2550 :Error removing *node* from CIM:**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2551 :In order to add nodes to CIM, CF must be running on the local node.**Content:**

To add nodes to CIM, CF must be running on the local node.

Corrective action:

Bring CF UP on the local node.

2552 :In order to remove nodes from CIM, CF must be running on the local node.**Content:**

To remove nodes from CIM, CF must be running on the local node.

Corrective action:

Bring CF UP on the local node.

2553 :There are no nodes in a state where they can be added to CIM.**Content:**

There are no nodes in a state where they can be added to CIM.

Corrective action:

To add a node to CIM, CF should be UP on the node and the node should not be already added to CIM.

2554 :There are no nodes in a state where they can be removed from CIM.**Content:**

There are no nodes in a state where they can be removed from CIM.

Corrective action:

To remove a node from CIM, CF should be UP on the node and the node should be already added to CIM.

2556 :CIM Configuration failed.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2557 :Please select a node to add.

2558 :Please select a node to remove.

2559 :Nodes already in the cluster cannot be removed.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2560 :The local node cannot be removed.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2561 :Some nodes were not stopped. See status window for details.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2562 :Some nodes failed CF configuration.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2563 :Error adding CIM override on node:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2564 :Error removing CIM override on node:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2565 :In order to override CIM, CF must be running on the local node.

Content:

To override CIM, CF must be running on the local node.

Corrective action:

To override CIM, CF must be running on the local node.

2566 :In order to remove CIM override, CF must be running on the local node.

Content:

To remove CIM override, CF must be running on the local node.

Corrective action:

To remove CIM override, CF must be running on the local node.

2567 :There are no nodes in a state where they can be overridden.

Content:

There are no nodes in a state where they can be overridden.

Corrective action:

To add a node to CIM, CF should be UP on the node and the node should not be already added to CIM.

2568 :There are no nodes in a state that can have a CIM override removed.

Content:

There are no nodes in a state that can have a CIM override removed.

Corrective action:

To remove a node from CIM, node should be already added to CIM.

2578 :For *node*, the IP address for interconnect *interconnect_name* and interconnect *interconnect_name* are the same.

Content:

IP address for the two interconnects are the same.

Corrective action:

For node, the IP address for interconnects are the same. Please use distinct IP address for the two interconnects.

2579 :The address for *node* on interconnect *interconnect_name* is missing.

Content:

The address for interconnect has not been selected.

Corrective action:

The address for node on interconnect is missing. Please select the appropriate address from the dropdown.

2580 :The IP address and broadcast address for *node* on interconnect *interconnect_name* are not consistent with each other.

Content:

The IP address and broadcast address for interconnect are not consistent with each other.

Corrective action:

The IP address and broadcast address for interconnect must be consistent with each other.

2582 :In order to check heartbeats, CF must be running on the local node.

2583 :For interconnect *interconnect_name*, the IP address for *node* is not on the same subnet as the IP address for *node*.

Content:

For interconnects, the IP address for nodes is not on the same subnet.

Corrective action:

For interconnects, the IP address for nodes is not on the same subnet. For one interconnect, IP address should be in the same subnet on all the cluster nodes.

2585 :On interconnect *interconnect_name*, the IP address for node *node* and node *node* are the same.

Content:

The IP addresses for two nodes on interconnect is the same.

Corrective action:

The IP addresses for two nodes on interconnect is the same. Please make the appropriate change.

2586 :Invalid CF node name for *node*. Lowercase a-z, 0-9, _ and - are allowed.

Content:

Invalid CF name for *node*. Lowercase a-z, 0-9, _ and - are allowed.

Corrective action:

Invalid CF name for *node*. Lowercase a-z, 0-9, _ and - are allowed. Please enter valid CF name.

2587 :The CF node name for *node1* and *node2* are the same.

Content:

The CF name for two nodes is the same.

Corrective action:

The CF name for two nodes is the same. Please select a different CF name.

2588 :The CF node name for *node* is empty.

Content:

The CF name is empty.

Corrective action:

The CF name is empty. Please enter/select the CF name.

2590 :Invalid cluster name. The cluster name may contain letters, numbers, dashes, and underscores.

Content:

Invalid cluster name. Letters, numbers, dashes, and underscores are only available for the cluster name.

Corrective action:

Enter a valid cluster name.

2591 :The CF node name for *node1* is the same as the public name of *node2*.

Content:

The CF name for node is the same as the public name of other node.

Corrective action:

The CF name for node is the same as the public name of other node. Please choose a different CF name for node.

2594 :CF is not running on the local node. To check CF for unload, CF must be running on the local node.

2595 :There are no nodes in a state where the unload status can be checked.

Content:

There are no nodes in a state where the unload status can be checked.

Corrective action:

There are no nodes in a state where the unload status can be checked. At least one node should be in UP state.

2600 :For *node*, the interfaces for interconnect *interconnect_name* and interconnect *interconnect_name* are on the same subnet.

Content:

There are multiple interfaces for interconnects on the same subnet.

Corrective action:

There are multiple interfaces for interconnects on the same subnet. Please use separate subnet.

2921 :Internal Error:SF Wizard:Unable to run *command* on *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2922 :Internal Error:SF Wizard:Error reading file *file* from *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2923 :Internal Error:SF Wizard:Reading *file* :Ignoring Unknown data:

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2925 :Internal Error:SF Wizard:Unknown data: SA_xcsf.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2926 :Passwords do not match. Retype.

2939 :Internal Error:SF Wizard:Empty data, not writing to file *file* on *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2940 :Internal Error:SF Wizard:Error writing to file *file* on *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2941 :You must enter weight for each of the CF nodes.

2942 :Invalid CF node weight entered.

2943 :You must enter admin IP for each of the CF nodes.

2944 :CF node weight must be between 1 and 300.

2946 :You must select at least one agent to continue.

2946 :You must select one agent to continue. (Solaris 4.3A10 or later)

2947 :Timeout value must be an integer greater than zero and less than 3600.

2948 :Shutdown Facility reconfiguration failed on *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

2950 :You must specify XSCF-Name and User-Name for each of the CF nodes.

2952 :You must specify RCCU-Name for each of the CF nodes.

2959 :Timeout value is out of range.

Content:

Timeout value is out of range.

Corrective action:

Timeout value must be less than 3600.

2960 :You must specify a MMB User-Name for each of the hosts.

2961 :The MMB User-Name must be between 8 and 16 characters long.

2962 :The MMB Password must be between 8 and 16 characters long.

2963 :The MMB Panic Agent must have higher precedence than the MMB Reset Agent.

2967 :You must specify ILOM-name and User-Name for each of the CF nodes.

2968 :You must specify ALOM-name and User-Name for each of the CF nodes.

2969 :You must specify a unique hostname or IP address for XSCF Name1 and XSCF Name2.

2970 :You must specify XSCF Password for each of the CF nodes.

2971 :You must specify ILOM Password for each of the CF nodes.

2972 :You must specify ALOM Password for each of the CF nodes.

2973 :Invalid network prefix for net{0}. The subnet number must be in the form of hexadecimal numbers separated by colons.

Content:

Invalid network prefix.

Corrective action:

Enter valid network prefix.

The network prefix must satisfy the following conditions:

- No more than one "::" should exist.
- The end of the prefix must not be ":" (except when the end is ::).
- The field numbers separated by ":" must be eight or less.
- If the field numbers separated by ":" is less than eight, "::" must be included.
- Each field separated by ":" must be 0 to 4 digits.
- The character or letter for each field separated by ":" must be 0 to 9, a to f, or A to F.

2974 :net {0} does not have enough address space.

The cluster has {2} nodes. Only {1} possible host ids are supported by the network prefix given for net {0}. Please use network prefix and prefix-length combination that has more host ids.

Content:

The combination of the network prefix and prefix-length is small.

Corrective action:

Please use the network prefix and prefix-length combination that has more host IDs.

2975 :Invalid prefix-length for net{0}. The prefix-length must be specified in the range of from 64 to 128.

Content:

Invalid prefix-length. The prefix-length must be specified in the range of from 64 to 128.

Corrective action:

Enter valid prefix-length.

2976 :The nodesuffix of net{0} and net{1} overlaps.

Content:

The nodesuffix of net{0} and net{1} overlaps.

Corrective action:

Enter unique nodesuffix to multiple CIP subnets respectively.

**2977 : "RMS" was entered to the nodesuffix of net{0}.
If you want to use "RMS" to the nodesuffix, select "For RMS".**

Content:

"RMS" was entered to the nodesuffix of net {0} even though "For RMS" has not been selected.

Corrective action:

If you want to use "RMS" to the nodesuffix, select "For RMS."

**2978 :The first character of CF node name *node* is not a lower case letter.
RMS Wizard Tools cannot operate by this CF node name.
Please use a lower case letter to the first character of CF node name.**

Content:

Invalid CF name for *node*. The first character of CF name must be a lower case letter (from a to z).

Corrective action:

Use the first character of CF name, use a lower case letter (from a to z).

**2980 :Failed to get domain information of OVM on the CF node <CF nodename>.
Please confirm the OS's release is "Oracle Solaris 11" or higher than "Oracle Solaris 10 9/10" and that the
domain type is control domain or guest domain.**

Content:

Failed to get OVM(Oracle VM for SPARC).

Corrective action:

Check whether the following conditions are satisfied. Then, check that OVM (Oracle VM for SPARC) can be obtained in the environment.

- Oracle Solaris 10 9/10 must be used.
- The environment must support OVM.
- It must be global zone.
- The domain information can be obtained with the /usr/sbin/virtinfo -ap command.

Example

```
$ virtinfo -ap
VERSION 1.0
DOMAINROLE |impl=LDoms|control=true|io=true|service=true|root=true
DOMAINNAME |name=primary
DOMAINUUID |uuid=8e0d6ec5-cd55-e57f-ae9f-b4cc050999a4
DOMAINCONTROL |name=san-t2k-6
DOMAINCHASSIS |serialno=0704RB0280
```

**2981 :PPAR-ID of the CF node <CF nodename> is invalid.
Please input the numerical value within the range of 0-15 to PPAR-ID.**

Content:

PPAR-ID of <CF nodename> is invalid.

Corrective action:

Input the numerical value within the range of 0 to 15 to PPAR-ID.

**2982 :The domain name of the CF node <CF nodename> is invalid.
Please enter correct name to domain name.**

Content:

The domain name of <CF nodename> is invalid.

Corrective action:

Enter the correct domain name under the following rules:

- The character string must be up to 255 and it must include alphabets, numbers, - (a hyphen), and . (a period).
 - The first character must be an alphabet.
-

2983 :You must specify XSCF-Name1 of the CF node <CF nodename>.

Content:

XSCF-Name1 of <CF nodename> has not been specified.

Corrective action:

Specify the host name or the IPv4 address for XSCF-Name1 of <CF nodename>.

2984 :You must specify XSCF-Name2 of the CF node <CF nodename>.

Content:

XSCF-Name2 of <CF nodename> has not been specified.

Corrective action:

Specify the host name or the IPv4 address for XSCF-Name2 of <CF nodename>.

2985 :You must specify user of the CF node <CF nodename>.

Content:

The User-Name in <CF nodename> line is not specified.

Corrective action:

Input the correct user name to User-Name.

2986 :You must specify Password of the CF node <CF nodename>.

Content:

The password of the <CF nodename> is not entered.

Corrective action:

Enter the password of the <CF nodename>.

2987 :You must specify a unique hostname or IP address for XSCF Name1 and XSCF Name2 of the CF node <CF nodename>.

Content:

The XSCF Name1 and XSCF Name2 of *<CF nodename>* overlap.

Corrective action:

Specify the different host name or IP address for the XSCF Name1 and XSCF Name2 of *<CF nodename>* respectively.

2988 :Passwords of the CF node *<CF nodename>* do not match. Please retry.

Content:

Passwords of *<CF nodename>* do no match.

Corrective action:

Re-enter the correct password of *<CF nodename>*.

2991 :You must specify Unit Name of the CF node *<CF nodename>* in the line *<line number>*.

Content:

The unit name of the *<CF nodename>* in the line *<line number>* is not entered.

Corrective action:

Enter the IPv4 address for the unit name.

2992 :Outlet of the CF node *<CF nodename>* in the line *<line number>* is invalid. Please input the numerical value within the range of 1-8 to Outlet.

Content:

The outlet number of *<CF nodename>* in the line *<line number>* is invalid.

Corrective action:

Input the numerical value within the range of 1 to 8 to Outlet.

2993 :You must specify zonename of the CF node *<CF nodename>*.

Content:

The zonename of *<CF nodename>* is not entered.

Corrective action:

Enter the zonename of *<CF nodename>*.

2994 :You must specify global zone hostname of the CF node *<CF nodename>*.

Content:

The global zone host name of *<CF nodename>* is not entered.

Corrective action:

Enter the host name or the IP address for the global zone host name of *<CF nodename>*.

2995 :You must specify ILOM-name of the CF node *<CF nodename>*.

Content:

The ILOM name of *<CF nodename>* is not entered.

Corrective action:

Enter the host name or the IP address for the ILOM name of *<CF nodename>*.

2996 :You must specify User-Name of the CF node *<CF nodename>* in the line *<line number>*.

Content:

The user name of the <CF nodename> in the line <line number> is not entered.

Corrective action:

Enter the user name of the <CF nodename> in the line <line number>.

2997 :You must specify Password of the CF node <CF nodename> in the line <line number>.

Content:

The password of the <CF nodename> in the line <line number> is not entered.

Corrective action:

Enter the password of the <CF nodename> in the line <line number>.

2998 :Passwords of the CF node <CF nodename> in the line <line number> do not match. Please retry.

Content:

The password entered does not match the password of <CF nodename> in the line <line number>.

Corrective action:

Enter the password of the <CF nodename> in the line <line number> again.

3000 : Fatal Error processor internal:RMS session is null.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3001 : Fatal Error processor internal:RMS session graph is null.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3002 : Fatal Error processor internal:Not initialized as local or remote.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3003 : Error: Unable to get remote stream reader.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3004 : Error: Unable to obtain remote data stream : *message*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3005 : Error: new Thread() failed for "" *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3006 : Error: Reconnect failed. Data displayed for *node* will no longer be current.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3010 : Error: Exception while closing data reader: *message*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3012 : Error: RMS and GUI are not compatible. Use newer version of RMS GUI.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3013 : Error: Missing local host indication from *node*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3016 : Error INTERNAL: exception while reading line :

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3018 : Error: Missing SysNode name *declaration block*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3021 : Error *node* : Missing token.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3024 : Received Error: *message*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3026 : Error: Connection to node *node* failed.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3028 : Error: Connections to all hosts failed.

Content:

Connections to all hosts failed.

Corrective action:

No action is required. GUI retries to connect to all hosts.

3030:Unable to shutdown RMS on *node*.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3031:Error returned from hvshut. Click "msg" tab for details.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3040:switchlog Error: R=null.**Content:**

The switchlog cannot be shown for the node where RMS is down.

Corrective action:

Bring the RMS Online on the node.

3042:Error Intern: Nodcmd.exec() R==null.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3043:Error: Remote connection to *node* failed, Exception: *message*.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3044:Error: Invoking remote application *command* on *node* exited with the following error: *message*.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3072:Error: SysNode *node_name* points to *node_kind node_name*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3088:empty graph.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3089:Graph has only *number_of_nodes* disjoint nodes and no arcs.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3091:Application is inconsistent. Analyse configuration before applying any RMS operation.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3102:Internal Error: Unknown node type: *node_type*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3130>Error in loading image: *image_name*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3131=Fatal Error clusterTable: No clusterWide in clusterTable.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3132=Fatal Error clusterTable: No tableLayout in clusterTable.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3133=Fatal Error clusterWide: no pointer to rmsCluster.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3134=Fatal Error clusterWide: no pointer to session.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3135=Fatal Error clusterWide: update_display called without cluster_table.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3136=Fatal Error nodeTable: No layout in nodeTable.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3137=Fatal Error nodeTable: Null value at row *row* and at column *column*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3143=Error: No output received from command *rcinfo*.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

3156:Error: Unable to get HV_RCSTART value on *node*.

Content:

Getting the HV_RCSTART value on *node* has failed.

Corrective action:

Start Web-Based Admin View and CF on all the nodes that configure the cluster.

For information on how to restart Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

For information on how to check the status of CF and how to start CF, see "Main CF table" and "Starting and stopping CF" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

If this error message is displayed again even after you apply the above corrective action, collect the Java console information, a hard copy of the error dialog box, and investigation information, and then contact field engineers.

3157:Error: Unable to get HV_AUTOSTARTUP value on *node*.

Content:

Getting the HV_AUTOSTARTUP value on *node* has failed.

Corrective action:

Start Web-Based Admin View and CF on all the nodes that configure the cluster.

For information on how to restart Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

For information on how to check the status of CF and how to start CF, see "Main CF table" and "Starting and stopping CF" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

If this error message is displayed again even after you apply the above corrective action, collect the Java console information, a hard copy of the error dialog box, and investigation information, and then contact field engineers.

3158:Error: Unable to set HV_RCSTART value on *node*.

Content:

Setting the HV_RCSTART value on *node* has failed.

Corrective action:

Start Web-Based Admin View and CF on all the nodes that configure the cluster.

For information on how to restart Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

For information on how to check the status of CF and how to start CF, see "Main CF table" and "Starting and stopping CF" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

If this error message is displayed again even after you apply the above corrective action, collect the Java console information, a hard copy of the error dialog box, and investigation information, and then contact field engineers.

3159:Error: Unable to set HV_AUTOSTARTUP value on *node*.

Content:

Setting the HV_AUTOSTARTUP value on *node* has failed.

Corrective action:

Start Web-Based Admin View and CF on all the nodes that configure the cluster.

For information on how to restart Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

For information on how to check the status of CF and how to start CF, see "Main CF table" and "Starting and stopping CF" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

If this error message is displayed again even after you apply the above corrective action, collect the Java console information, a hard copy of the error dialog box, and investigation information, and then contact field engineers.

3.2 CRM View Messages

This section explains the messages related to the CRM view.

If a message of the following display format is displayed, take corrective action by referring to the following manual.

Display format

If a message is displayed during operation of the CRM view or if a message whose frame title in the message dialog box is "Cluster resource management facility" is displayed:

3.2.1 Information Messages; No Corrective Action Required

This sub-section explains the information messages related to the CRM view.

0701 There is no failed resource.

Content:

The results output by the "cldispfaultsc" command do not contain any failed resources.

0708 :*proc1* finished.

Content:

The processing shown in *proc1* has been completed.

The type of processing varies depending on the processing name displayed in *proc1*, as follows:

- Initial setup
The resource database is set up.
- Automatic configuration
The device is registered to the resource database.

Corrective action:

Press the OK button to close the message dialog box.

3.2.2 Information Messages; Corrective Action Required

The information messages that corrective actions are required are displayed by Cluster Admin. They are described in message number sequence.

0700 :The resource database is not configured. Please configure it by using [Tool] - [Initial setup] menu.**Content:**

Information on the resource database cannot be displayed because it has not been set up.

Corrective action:

From the CRM main menu, choose Tool -> Initial setup menu, and then set up the resource database.

0702 :The screen cannot be displayed from the main CRM window.**Content:**

The machine administration screen cannot be displayed from the cluster resource management facility main window.

Corrective action:

Close the message dialog box by clicking the OK button, and then select the Machine administration menu from the MISC category in the top menu of Web-Based Admin View.

0703 :Do you want to start up *resource_name* (rid=*rid*) ?**Content:**

This query asks whether you want to execute the startup instruction of a resource.

resource_name indicates the displayed resource name while *rid* indicates the resource ID.

Corrective action:

Click either of the following buttons:

- Yes: Executes the resource startup instruction.
 - No: Does not execute the resource startup instruction.
-

0704 :Do you want to stop *resource_name* (rid= *rid*)**Content:**

This query asks whether you want to execute the stop instruction of a resource.

resource_name indicates the displayed resource name while *rid* indicates the resource ID.

Corrective action:

Click either of the following buttons:

- Yes: Executes resource stop instruction.
 - No: Does not execute the resource stop instruction.
-

0705 :Do you want to diagnose *resource_name* (rid=*rid*) ?**Content:**

This query asks whether you want to execute patrol diagnosis of a resource.

resource_name indicates the displayed resource name while *rid* indicates the resource ID.

Corrective action:

Click either of the following buttons:

- Yes: Executes patrol diagnosis of the resource.
 - No: Does not execute patrol diagnosis of the resource.
-

0707 :Do you want to begin the *proc* processing?

Content:

This query asks whether you want to start the processing shown in *proc*.

The type of processing varies depending on the processing name displayed in *proc*, as follows:

- Initial setup
The resource database is set up.
- Automatic configuration
The device is registered to the resource database.

Corrective action:

Click either of the following buttons:

- Yes: Executes the processing indicated by *proc*.
- No: Terminates operation startup.

0709 :The configuration change function cannot be used because it is being used by another task.

Content:

This processing cannot be executed because a function that executes a similar operation is active.

Corrective action:

Click the OK button to close the message dialog box, wait until the processing execution screen of the same client or the other client (Web browser) ends, and then re-execute the operation.

0710 :Processing cannot be ended because the following operation instruction is not completed.

Content:

This processing cannot be terminated because the operation is being requested (the command is being transmitted) to the cluster resource management facility.

Corrective action:

Wait one or two minutes, and then re-select the File -> Exit menu. If this error message appears again, close the browser and then re-open it.

0711 :Can't get information from the resource database.

Content:

The resource database cannot be obtained.

Corrective action:

Keep the screen displayed and wait awhile. Once the resource database has been obtained, the resource database information will be displayed.

0712 :The resource database has already been configured.

Content:

Setup processing of the resource database may have failed.

Corrective action:

Click the OK button to close the message dialog box. Then execute the "clinitreset (1M)" command in all cluster nodes to initialize the resource database, and restart all the cluster nodes.

After all cluster nodes are started, open the CRM main window again, and select Tool -> Initial Configuration Setup to set up the initial configuration of the resource database.

0713 :The node which completed the settings of resource database exists.**Content:**

Setup processing of the resource database may have failed.

Corrective action:

Click the OK button to close the message dialog box. Then execute the "clinitreset (1M)" command in all cluster nodes to initialize the resource database, and restart all the cluster nodes.

After all cluster nodes are started, open the CRM main window again, and select Tool -> Initial Configuration Setup to set up the initial configuration of the resource database.

3.2.3 Error Messages

The error messages related to the CRM view are described in message number sequence.

0760 :A requested operation failed.(Error Details)**Content:**

The operation instruction to be executed has failed.

An error message of the cluster resource management facility is displayed in Error Details.

Corrective action:

Check Error Details, and then take corrective action according to the instructions in the message.

Click the OK button to close the message dialog box.

0761 :An internal contradiction occurred in the main CRM window. (Error Details)**Content:**

Either of the following symptoms might occur:

- Because of the network load, the Java execution environment of the Web browser failed to load the Java class files that constitute the cluster resource management facility.
- A program inconsistency was detected in the CRM main window.

Corrective action:

Click the OK button to close the message dialog box, and then restart Web-Based Admin View. Then restart the browser, and re-execute the operation. For information on how to restart Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

If this message is displayed again, collect the Java console information, a hard copy of the error dialog box, and investigation information, and then contact field engineers.

0763 :The operation cannot be executed because the resource database is not configured on all nodes, or all nodes are not communicating with Web-Based Admin View.**Content:**

The following symptoms might occur:

- The cluster resource management facility has not yet been activated because all the nodes have just been started.
- None of the nodes are connected to Web-Based Admin View.

Corrective action:

Since the cluster resource management facility is being started, click the OK button to close the message dialog box, wait a while, and then re-execute the operation. If the same symptom occurs again, confirm whether the node power is on and whether the cluster resource management facility is running normally on the nodes.

If the node power is on and the cluster resource management facility is running normally, restart Web-Based Admin View on the node on which the operation is to be executed. For information on how to start Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

If this error message is displayed again even after you apply the above corrective action, collect the Java console information, a hard copy of the error dialog box, and investigation information, and then contact field engineers.

Click the OK button to close the message dialog box.

0764 :An I/O error occurred.

Content:

An I/O error occurred.

Corrective action:

Confirm whether the symptom conforms to any of the following descriptions:

- a. While the CRM main window was displayed, the operation to shut down the node was performed repeatedly.
- b. An operation has been requested from the CRM main window.
- c. A load is being applied to a node, a client machine, or the network.
- d. The CRM main window was initialized while the CRM main window was being displayed.

If any operation instruction is being requested, close the message dialog box by clicking the OK button, wait awhile (3 to 5 minutes), and then re-execute the operation request.

If no operation is being requested, close the message dialog box by clicking the OK button and then restart the browser.

If the above action fails to solve the problem, restart Web-Based Admin View on all the nodes.

For information on how to restart Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

0765 :Communication with the management server failed.

Content:

A communication error occurred between the browser and the Web-Based Admin View management server. This error occurs when the browser of the client attempted to respond to an operator intervention message.

Corrective action:

Click the OK button to close the error message dialog box.

If the error recurs even when you re-execute the communication, use the "clreply" command to respond. If a Web-Based Admin View message is displayed, respond as instructed in that message.

For details about messages 0001 to 0099, see "Message" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

If the above action fails to solve the problem, collect the investigation information, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0766 :The command terminated abnormally.

Content:

The "cldispatch" or "clreply" command terminated abnormally.

Corrective action:

See the error message that is output because of the command failure, and take the corrective action shown in the message.

0767 :The command execution failed.

Content:

A node cannot be accessed and the "clreply" command cannot be executed.

Corrective action:

If the SysNode that cannot be accessed is indicated in the detailed information, you can execute the `cleply` command in the SysNode and respond to the operator intervention message. To respond with the GUI, restart Web-Based Admin View on the SysNode.

In all other cases, restart Web-Based Admin View on the node that becomes the administrative server for Web-Based Admin View. For details on restarting Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

If the above action fails to solve the problem, collect the investigation information, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0768 :The processing for the *proc1* cannot finish normally.

Content:

The process indicated by *proc1* could not terminate normally.

Corrective action:

Click the OK button to close the message dialog box. Wait a short while and then re-execute the operation.

If this error message continues to be displayed, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The processing to be executed varies with the processing name displayed in *proc1*.

- Initial setup

The resource database is set up.

- Automatic configuration

The device is registered to the resource database.

0769 :The processing was aborted because it could not be done on all nodes. (Error Details)

Content:

The process was terminated because there is a node that cannot execute the process.

Corrective action:

The command cannot be issued to the node that is displayed in Error Details.

After restarting Web-Based Admin View on that node, wait a short while and then re-execute the command. For details on restarting Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

If the same message continues to appear, reboot that node.

If all of above corrective actions fail, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Click the OK button to close the message dialog box.

0773 :The initial setup of the resource database failed. (Error Details)

Content:

The initial configuration setup of the resource database failed.

Corrective action:

One of the following conditions may be causing the error. Take corrective action according to the condition.

Condition 1

The Web-Based Admin View information for setting up the resource database of the cluster resource management facility has not yet been obtained on the node displayed in Error Details.

Click the OK button to close the message dialog box. Then restart Web-Based Admin View on the node displayed in Error Details, and re-execute the operation instruction. For information on how to restart Web-Based Admin View, see "Restart" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

Condition 2

The resource database cannot be set up because CF has not yet been configured.

Click the OK button to close the message dialog box. Next, configure the CF, and then re-execute the operation instruction.

For any other condition or if the same error continues to occur, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0774 :Initial setup failed: the resource database could not be initialized.

Content:

The initialization process of the initial configuration setup failed.

Corrective action:

Collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After collecting the hard copy, click the OK button to close the message dialog box.

0775 :CF is not running, or CF is not configured.

Content:

Initial setup of the resource database cannot be executed because CF is not configured or CF is stopped on one of the nodes.

Corrective action:

Select the cf tab to display the CF main window, check the status of CF, and then configure or start CF.

0790 An error occurred while collecting the fault resources.

Content:

Node connection failed while the resource data was being collected.

Corrective action:

Reboot the management server of Web-Based Admin View for the affected client. For details, see "PRIMECLUSTER Web-Based Admin View Operation Guide."

If the problem still cannot be solved, collect maintenance information and then contact field engineers. For details on maintenance information, see "Troubleshooting information collection" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

0791 You do not have the access authority to respond to this message.

Content:

The user account that logged on to Web-Based Admin View does not have the execute permission to respond to this operator intervention message.

Corrective action:

Log out from Web-Based Admin View. Retry to log in as root or as a user belonging to wvroot, clroot, or cladmin, and then respond to the operator intervention message.

0792 The error occurred while accessing the management server. Select [Continue], and then end the Resource Fault History.

Content:

An error occurred while accessing the management server of Web-Based Admin View.

Corrective action:

Click the *Continue* button to close the "Fault Resource List" screen. If the network between the browser and the management server is merely temporarily disconnected, select the *Continue* button to close the "Fault Resource List" screen. (For example, you need to select *Connect* when rebooting or when a LAN cable is temporarily disconnected). If a message output by Web-Based Admin View is displayed, follow the instructions for that message. If no message is output by Web-Based Admin View, choose *Fault Resource List* from the top menu to restart.

If the problem cannot be corrected by clicking the *Continue* button to reconnect, collect the maintenance information and then contact field engineers. For information on collecting maintenance information, see "Troubleshooting information collection" in "PRIMECLUSTER Web-Based Admin View Operation Guide."

3.3 userApplication Configuration Wizard GUI Messages (Solaris)

This section describes the messages displayed with userApplication Configuration Wizard GUI. Check the message number and see the location from the following table.

Message number	Reference location
From 0801	"3.3.1 Information Messages"
From 0830	"3.3.2 Warning Messages"
From 0880	"3.3.3 Error Messages"

3.3.1 Information Messages

The information messages displayed by the userApplication Configuration Wizard GUI are described in message number sequence.

0801 Do you want to exit userApplication Configuration Wizard GUI?

Content:

This message asks user to exit the userApplication Configuration Wizard GUI.

Corrective action:

To exit the userApplication Configuration Wizard GUI, select Yes. If you do not want to exit the GUI, select No.

0802 Do you want to cancel the setup process?

Content:

This message asks user to cancel the process being operated with the userApplication Configuration Wizard GUI.

Corrective action:

To interrupt the process being operated by the userApplication Configuration Wizard GUI, select Yes. To cancel the interruption, select No.

0803 Do you want to register setup in a cluster system?

Content:

This message asks user to register the setup information to the system.

Do you want to register setup in a cluster system?

Corrective action:

To register the setup information to the system, select Yes. If you do not want to register the setup information to the system, select No.

0805 GUI is generating RMS Configuration.

Content:

RMS Configuration information is being generated.

Corrective action:

This message is automatically cleared when RMS Configuration generation is completed. Wait until this message is cleared.

**0807 Do you want to remove only selected userApplication (*userApplication name*)?
Do you want to remove all the resources under userApplication?**

Content:

This message asks user to remove only the selected cluster application or all resources under the cluster application as well. *userApplication name* represents the name of cluster application to be removed.

Corrective action:

To remove only the cluster application, select userApplication only. To remove all resources under the cluster application as well, select All. To cancel the removal, select Cancel. "userApplication name" represents the name of cluster application to be removed.

0808 Do you want to remove only selected Resource (*resource name*) and all the resources under Resource?

Content:

This message asks user to remove the selected resource and all resources under that resource.

Corrective action:

To remove the resource indicated by "resource name" in the message and the resources under that resource, select Yes. If you do not want to remove the resources, select No.

0810 Node name takeover is registered or removed in userApplication. You need to restart SysNode to enable or disable takeover network. Restart SysNode after completing setup.

Content:

When the node name takeover is registered in a cluster application or removed, SysNode needs to be restarted to enable or disable the takeover network.

Corrective action:

As soon as the setup process is completed, restart all SysNodes that contain the cluster application for which node name takeover was set.

0813 GUI is reading RMS Configuration.

Content:

userApplication Configuration Wizard GUI collects the RMS Configuration information.

Corrective action:

The GUI cannot be closed until the process in the GUI ends.

0814 GUI is saving RMS Configuration in a system.

Content:

userApplication Configuration Wizard GUI collects the RMS Configuration information.

Corrective action:

The GUI cannot be closed until the process in the GUI ends.

0815 GUI is generating RMS Configuration.

Content:

userApplication Configuration Wizard GUI collects the RMS Configuration information.

Corrective action:

The GUI cannot be closed until the process in the GUI ends.

0816 Do you want to generate RMS Configuration?

Content:

This message asks user to generate the RMS Configuration information with the userApplication Configuration Wizard GUI.

Corrective action:

If you want the userApplication Configuration Wizard GUI to generate RMS Configuration information, select Yes. If you do not want the GUI to generate the information, select No.

0817 Do you want to distribute RMS Configuration?

Content:

This message asks user to distribute the RMS Configuration information with the userApplication Configuration Wizard GUI.

Corrective action:

If you want the userApplication Configuration Wizard GUI to distribute RMS Configuration information, select Yes. If you do not want the GUI to distribute the information, select No.

0897 Now this configuration is set to use I/O fencing function. Confirm "I/O fencing" checkbox in [Attributes] tab to the setting status.

Content:

The configuration was set to use I/O fencing.

Corrective action:

When using I/O fencing, corrective action is not required.
When not using I/O fencing, uncheck the [I/O fencing] check box of [Attributes] tab.

3.3.2 Warning Messages

The warning messages of the userApplication Configuration Wizard GUI are described in message number sequence.

0830 Since other client is using userApplication Configuration Wizard GUI or the hvw(1M), GUI cannot be started.

Content:

Since other client is using userApplication Configuration Wizard GUI or the hvw(1M), GUI cannot be started.

Corrective action:

Check whether the userApplication Configuration Wizard GUI has already been started in another client or whether another client is using the hvw command. After the other operation is completed, start the GUI or command again.

This message may be displayed at the next startup even if the Web browser or the cluster management server of Web-Based Admin View is restarted while the GUI is being displayed. If this is the case, wait about five minutes, and then restart the Web browser and the GUI.

0832 Cluster resource management facility is not running. Since a list of candidate interfaces cannot be obtained, GUI is terminated.

Content:

Cluster resource management facility is not running. Since a list of candidate interfaces cannot be obtained, GUI is terminated.

Corrective action:

The reasons for this event occurring includes the following:

- Cause 1

A node for which initial setup of the cluster resource management facility has not yet been completed is included among the nodes to be monitored with Web-Based Admin View.

- Cause 2

A node on which the cluster resource management facility is not running is included among the nodes to be monitored with Web-Based Admin View.

- Cause 3

The software that uses the network service may not be able to start due to an error in the use `/etc/inet/services` file.

How to confirm cause 1

Confirm whether a node for which initial setup of the cluster resource management facility has not yet been completed is included among the nodes to be monitored with Web-Based Admin View.

Make the confirmation as follows:

1. Confirm the nodes to be monitored with Web-Based Admin View.

Execute the `wvstat (1M)` command to confirm the monitoring-target nodes for each operation management server.

2. Confirm the settings of the resource database.

Use the CRM main window of Cluster Admin or the `clgettree (1)` command to confirm whether all the nodes that were confirmed in Step 1 can be displayed.

If Web-Based Admin View uses a network other than a public LAN for operation management, the node names displayed in Steps 1 and 2 will be different.

Corrective action for cause 1

If only initial setup of the cluster resource management facility has not been completed, use the userApplication Configuration Wizard GUI after performing initial setup and automatic configuration on the node on which initial setup of the cluster resource management facility has not been completed.

For details on initial setup of the cluster resource management facility, see "PRIMECLUSTER Installation and Administration Guide."

If installation of the product package has been completed, use the userApplication Configuration Wizard GUI after node expansion, as explained in "Adding a Node."

In all other cases, for the node on which initial setup of the cluster resource management facility has not been completed, change the settings of the operation management server of Web-Based Admin View to a host that is not the current operation management server.

For details on how to change the operation management server of Web-Based Admin View, see "Initial setup of the operation management server" in "PRIMECLUSTER Installation and Administration Guide."

How to confirm cause 2

Confirm whether the node on which the cluster resource management facility is not operating is contained among the Web-Based Admin View monitoring-target nodes.

Make the confirmation as follows:

1. Confirm the nodes to be monitored with Web-Based Admin View.

Execute the `wvstat (1M)` command to confirm the monitoring-target nodes for each operation management server.

2. Confirm the operation status of the cluster resource management facility.

Use the CRM main window of Cluster Admin or the `clgettree (1)` command to confirm which node is in a state other than "ON."

Corrective action for cause 2

Boot the node on which the cluster resource management facility is not operating.

Corrective action for cause 3

Correct the /etc/inet/services file.

0833 RMS is running. Since Configuration might not be saved, GUI is terminated.

Content:

RMS is running. Generation and distribution of the Configuration information may fail. Thus it may not be created or changed.

Corrective action:

Stop RMS, and then re-execute the operation.

0834 An invalid character is included.

Content:

An invalid character is included in the cluster application name, resource name, script name, and script path.

Corrective action:

A cluster application name, a resource name, a script name, or a script path includes an inappropriate character. Re-enter the correct value.

0835 Removing resource (*resource name*) will concurrently remove userApplication (*userApplication name*). Do you want to continue?

Content:

All resources under the cluster application are to be removed.

Corrective action:

To remove the cluster application indicated by "*userApplication name*" in the message and all resources (*resource name*) under that cluster application, select Yes. If you do not want to execute deletion processing, select No.

0836 A name is not entered.

Content:

The cluster application, resource name, or script name has not been entered.

Corrective action:

Enter the cluster application name, resource name, or script name.

0837 A value is invalid.

Content:

The numbers that were entered for TIMEOUT, netmask, prefix-length, and so on are invalid.

Corrective action:

Re-enter an appropriate value.

0838 The specified takeover IP address is not available.

Content:

The specified takeover IP address is not available.

Corrective action:

Enter another takeover IP address.

0839 There is an incorrect setup.

Content:

There is an incorrect content in set item.

Corrective action:

Change the attribute (that has the incorrect data), and continue the operation.

0840 The takeover network name has been defined. Do you want to use the following definitions?

Content:

The takeover network information has already been described in the /usr/opt/reliant/etc/hvipalias file.

Corrective action:

To use the values that were set, select Yes.

If you select No, the userApplication Configuration Wizard GUI re-creates the takeover network information in the previous file and in /etc/inet/hosts. In this case, the takeover network information can be deleted automatically from /usr/opt/reliant/etc/hvipalias and /etc/inet/hosts when the Ippaddress resource is deleted.

0841 There is an attribute different than the ones of other resources. Do you want to continue?"

Content:

There is an attribute different than the ones of other resources. This message asks user to continue the operation.

Corrective action:

Review the displayed attribute for any problems. If you select Yes, the system sets the attribute information as specified.

0848 The file name is not specified.

Content:

The file name is not specified.

Corrective action:

Enter the path of the reference file.

0849 A required setup is missing.

Content:

A required setup is missing.

Corrective action:

Set the required items in the screen.

0852 It is not a proper combination.

Content:

The combination of cluster applications that the exclusion relationship was set is not correct.

Corrective action:

You need to set two or more cluster applications in one exclusion group.

0856 The selected userApplication or Resource cannot be edited.

Content:

The selected userApplication or Resource cannot be edited.

Corrective action:

Change the cluster application name or the Resource name, and execute the setup process again.

0857 The specified takeover laddress or host name has been used.**Content:**

The specified takeover IP address or host name has been used.

Corrective action:

Enter another IP address or host name.

0859 Invalid file name or path.**Content:**

Invalid file name or path.

Corrective action:

Enter another reference file path.

0860 The specified file exists. Do you want to replace it?**Content:**

The specified file exists.

Corrective action:

If you select Yes, the existing file will be replaced. If you select No, the existing file will not be replaced.

0861 The specified interface is different. Do you want to set up IP address?**Content:**

The IP address being allocated to the network interface card to be used in the takeover network is different.

Corrective action:

To continue the setup with the assigned IP address segment, select Yes. To select another NIC, select No.

0866 The file system has been used.**Content:**

The file system has been used.

Corrective action:

Set another device path and mount point.

0867 Since a list of candidate interfaces cannot be obtained. The process is exited.**Content:**

The candidate interfaces to be set to resources cannot be obtained.

Corrective action:

Check whether the interfaces were previously registered to the cluster resource management facility, and then re-execute the operation.

0868 It is not an executable file.**Content:**

The specified file cannot be executed.

Corrective action:

Use another file, or add an execute permission to the file.

0898 "I/O fencing" checkbox is not selected.

Do you want to continue the configuration setting ?

If selecting "Yes", this configuration is registered without using I/O fencing function.

If selecting "No", this configuration setting is cancelled.

Content:

The configuration is not set to use I/O fencing.

Corrective action:

When using I/O fencing, check the [I/O fencing] check box of [Attributes] tab.

When not using I/O fencing, make sure to refer to "Supplement on I/O fencing resource deletion" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" and review the configuration and the settings.

0900 The I/O fencing function does not work well on this configuration because the following settings are not done.

- Set to use I/O fencing function of GDS

- Set to use XSCF(SPARC M10/M12) shutdown agent or ICMP shutdown agent

Do you want to continue this configuration setting ?

If selecting "Yes", this configuration is registered as using I/O fencing function. After registering it, refer to the "PRIMECLUSTER Installation and Administration Guide" and make sure to execute above setting.

If selecting "No", this configuration setting is cancelled.

Content:

The setting of GDS/SF to be used for I/O fencing cannot be executed.

Corrective action:

When using I/O fencing, review the following settings:

- [SDX_VM_IO_FENCE=on] is set in all the nodes of /etc/opt/FJSVsd/sdx.cf file
- Settings of XSCF (SPARC M10/M12) or ICMP shutdown agent

For details on the settings of [SDX_VM_IO_FENCE=on], see "Setting I/O Fencing Function of GDS" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

For details on the settings of XSCF (SPARC M10/M12) and ICMP shutdown agent, see "Configuring the Shutdown Facility" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

0901 Two or more userApplications can not work in this configuration.

Do you want to continue the configuration setting ?

If selecting "Yes", this userApplication setting is proceeded.

After creating this userApplication, change the shutdown agent to use as XSCF(SPARC M10/M12).

If you can not change the shutdown agent, select "No" to cancel the userApplication setting.

Content:

Unable to operate multiple userApplication in the environment which uses ICMP shutdown agent.

Corrective action:

If you can change the shutdown agent to use XSCF (SPARC M10/M12), select Yes, and then proceed with the creating of userApplication.

If you cannot change the shutdown agent to use XSCF (SPARC M10/M12), select No, and then stop with the creating of userApplication.

Register also all of the resources to one of the userApplication.

For details on the settings of XSCF (SPARC M10/M12) shutdown agent, see "Configuring the Shutdown Facility" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

3.3.3 Error Messages

The error messages of the userApplication Configuration Wizard GUI are described in message number sequence.

0880 A non-classified error occurred.

Content:

If this message is displayed during the creation of userApplication, possibly due to the minimum value is less than the value being set to the Timeout value of Fsystem resource.

Corrective action:

Change the Timeout value with the following procedure:

1. Check the minimum value of the Fsystem resource's Timeout value.

For the minimum value, refer to the "Creating 31 or more mount points in Fsystem resources" mentioned in the "Creating Fsystem Resources" of "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)," and check.

2. Check if the file below is existing in all of the nodes, if it exists, delete the file.

/opt/SMAW/SMAWRrms/build/wizard.d/config/subapplications

3. Start userApplication Configuration Wizard

The following message below may be displayed during the start-up, but this does not pose a problem.

```
0893 RMS Configuration generation failed.
```

4. Change the Timeout value of Fsystem resource.

For changing the Timeout value of each mount point of the Fsystem resource, follow "Fsystem" mentioned in "Changing the Attributes Used by a Resource or a Resource Interface" of "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If the Timeout value is greater than the minimum value or the problem cannot be resolved by the action described above, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0881 Connection to the server failed.

Content:

An internal server contradiction or an event that caused a network disconnection between the Web browser and the cluster management server (restart, shutdown, emergency stop, and LAN cable disconnection) may have occurred.

Corrective action:

If a Web-Based Admin View message is displayed, take corrective action for that message.

If a Web-Based Admin View message is not displayed, respond to this message and restart the userApplication Configuration Wizard.

If the problem cannot be resolved by the action described above, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0882 A non-supported package is installed. Check the version.

Content:

A package having a different version from the package version required by the userApplication Configuration Wizard GUI is installed in the cluster node.

Corrective action:

See the information that was output to (detailed information), and reinstall the correct package for the cluster node.

0883 Since the specified file is in the non-supported format, it cannot be edited.**Content:**

The file cannot be edited because it is not a Bourne, C, or Korn shell file.

Corrective action:

Specify another file.

0886 Since a list of candidate interfaces that can be set in Resource is not acquired, the process is exited.**Content:**

A candidate list of the information to be set to Resource could not be obtained.

Corrective action:

Make sure the cluster resource management facility is operating and the automatic configuration (registration of the network unit) is performed.

After confirming that the network unit is registered to the cluster resource management facility, execute the process again.

For how to execute and how to confirm the process of automatic configuration, refer to "Automatic Configure" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

0888 The command is abnormally terminated.**Content:**

The command terminated abnormally. A message is output from the command.

Corrective action:

If the condition does not change even after you re-execute the same operation, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers.

The message that is output from the command may contain the "FJSVcluster" keyword and a message number. In this case, take the corrective action described in "Chapter 4 FJSVcluster Format Messages."

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0889 The command execution failed.**Content:**

The command execution failed. A message is output from the command.

Corrective action:

If the condition does not change even after you re-execute the same operation, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0890 The SysNode for executing a command cannot be found.**Content:**

When the three-layer configuration of Web-Based Admin View is used, no cluster node that can be accessed from the management server can be found.

Corrective action:

Check whether Web-Based Admin View is running on the cluster node. The operating status of Web-Based Admin View can be confirmed by executing `/etc/opt/FJSVwvbs/etc/bin/wvstat`.

If there is no problem in the environment of Web-Based Admin View and the condition does not change, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0891 Reading RMS Configuration failed.

Content:

The RMS Configuration information cannot be analyzed.

Corrective action:

If the cluster application or a resource is not created, change to other Configuration information.

If the condition does not change, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0893 RMS Configuration generation failed.

Content:

Generation of RMS Configuration information failed. A message is output from the command.

Corrective action:

If this message is displayed while executing the corrective action of 0880, no action is required because there is no problem. Otherwise if this message is displayed, start the operation again from the beginning.

If the problem is not resolved by the above action, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0895 RMS Configuration distribution failed.

Content:

Distribution of the RMS Configuration information failed. A message is output from the command.

Corrective action:

Check the following:

1. Whether there are resources that are not related to any cluster application.
2. Whether there cluster applications that do not have any resources.

If the above conditions are found, delete the unnecessary cluster applications and resources.

If the above conditions are not found, repeat the operation from the beginning.

If an error still occurs, collect the Java console information, a hard copy of the error dialog box, and the investigation information, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0899 You can not use I/O fencing function on this configuration. You must satisfy the following conditions.

- Register Gds resource(s)
- The number of SysNode is set to 2

Content:

The I/O fencing cannot be used during creation in the userApplication configuration.

Corrective action:

If using I/O fencing, you must recreate I/O fencing in the userApplication configuration which satisfies the following conditions.

- Register the Gds resources.
- Set 2 as SysNode count.

Chapter 4 FJSVcluster Format Messages

This chapter explains the FJSVcluster format messages that are output during PRIMECLUSTER environment settings and operations. Check the degree of importance and message number contained in the message and refer to the corresponding section from the table below. This manual only describes the portion after the message number.

Severity	Message number	Reference
Stop (HALT)	0000 to 0101, 0103 to 0999, 6209	" 4.1 HALT Messages "
Operator Intervention (QUESTION)	1000 to 1999	" 4.2 Operator Intervention Messages "
Information (INFO)	2000 to 2206, 2208 to 3999	" 4.3 Information Messages "
Warning (WARNING)	2207, 4000 to 5999, 6206 (*1), 6209 (*2), 7130	" 4.4 Warning Messages "
Error (ERROR)	????, 0102, 6000 to 7999	" 4.5 Error Messages "

*1) 6206 is output as a warning (WARNING) or error (ERROR).

*2) 6209 is output as a stop (HALT), warning (WARNING), or error (ERROR).

If SF or CRM is started from the Cluster Admin, the locales of displayed messages are shown in the following table:

Language settings of Web-Based Admin View	OS	Locale
ja	RHEL	ja(EUC)
	Solaris10 or earlier	
	Solaris11 or later	ja_JP.UTF-8
C	RHEL	C
	Solaris10 or earlier	
	Solaris11 or later	

Messages may be character corrupted, if the corresponding locale and system locale are different in the environment in which [ja] is set in the language settings of Web-Based Admin View.

If applicable, change the settings to C in the language settings of Web-Based Admin View.

4.1 HALT Messages

This section explains the FJSVcluster format HALT messages in the order of message numbers.



Note

When the message number 6209 is output, see "[6209](#)."

0100 Cluster configuration management facility terminated abnormally.

Content:

Cluster configuration management facility terminated abnormally.

Corrective action:

Follow the corrective action of the error message that was displayed right before. If no messages were displayed, gather the information for survey. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0101 Initialization of cluster configuration management facility terminated abnormally.

Content:

Initialization of cluster configuration management facility terminated abnormally.

Corrective action:

Follow the corrective action of the error message that was displayed right before. If no messages were displayed, gather the information for survey. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

4.2 Operator Intervention Messages

This section explains messages that request responses in the order of message numbers.

There are two response methods:

- Response by GUI (Cluster Admin)
- Response by "clreply" command from command prompt

1421 The userApplication "*userApplication*" did not start automatically because not all of the nodes where it can run are online.

Do you want to force the userApplication online on the SysNode "*SysNode*"?

Message No.: *number*

Do you want to do something? (yes/no)

Warning: Forcing a userApplication online ignores potential error conditions. Used improperly, it can result in data corruption. You should not use it unless you are certain that the userApplication is not running anywhere in the cluster.

Content:

Solaris PRIMECLUSTER 4.2A00 or earlier and Linux PRIMECLUSTER 4.3A20 or earlier

The cluster application was not started automatically because all SysNodes that make up the cluster application were not started within the prescribed time.

This message inquires if the cluster application is to be forcibly started.

SysNode indicates SysNode on which userApplication will be online if you select yes.

number indicates a message number.

1421 The userApplication "*userApplication*" did not start automatically because not all of the nodes where it can run are online.

Forcing the userApplication online on the SysNode "*SysNode*" is possible.

Warning: When performing a forced online, confirm that RMS is started on all nodes in the cluster, manually shutdown any nodes where it is not started and then perform it. For a forced online, there is a risk of data corruption due to simultaneous access from several nodes. In order to reduce the risk, nodes where RMS is not started maybe forcibly stopped.

Are you sure wish to force online? (no/yes)

Message No.: *number*

Content:

Solaris PRIMECLUSTER 4.3A10 or later and Linux PRIMECLUSTER 4.3A30 or later

The cluster application was not started automatically because all SysNodes that make up the cluster application were not started within the prescribed time. This message inquires if the cluster application is to be forcibly started.

SysNode indicates SysNode on which userApplication will be online if you select yes.

number indicates a message number.

Make sure to check "Notes on Switching a Cluster Application Forcibly" in "PRIMECLUSTER Installation and Administration Guide" when starting the cluster application forcibly.

1422 On the SysNode "*SysNode*", the userApplication "*userApplication*" is in the Faulted state due to a fault in the resource "*resource*". Do you want to clear fault?

Message No.: *number*

Do you want to do something? (yes/no)

Content:

This message inquires if the Faulted state of the Faulted userApplication caused by faulty resource is to be cleared or not.

SysNode represents the SysNode name where the failure occurred. The *userApplication* indicates the faulty userApplication name. The *resource* indicates the resource name that caused the failure to the userApplication. The *number* indicates the message number.

Corrective action:

If the failure has been recovered, select "yes."

If not, select "no", remove the failure cause, and clear the Faulted state by using the "hvutil" command.

- When you select "yes"

If you select yes, the operator intervention function will execute the "hvutil" command by specifying the clear option in the "hvutil" command and also brings userApplication Offline. Confirm whether the userApplication is in the Offline state by using Cluster Admin or executing the "hvdisp" command.

- When you select "no"

The operator intervention function does not execute the RMS command that sets the userApplication to Offline.

1423 On the SysNode "*SysNode*", the userApplication "*userApplication*" has the faulted resource "*resource*". The userApplication "*userApplication*" did not start automatically because not all of the nodes where it can run are online.

Do you want to force the userApplication online on the SysNode "*SysNode*"?

Message No.: *number*

Do you want to do something? (yes/no)

Warning: Forcing a userApplication online ignores potential error conditions. Used improperly, it can result in data corruption. You should not use it unless you are certain that the userApplication is not running anywhere in the cluster.

Content:

For Solaris PRIMECLUSTER 4.2A00 or earlier and Linux PRIMECLUSTER 4.3A20 or earlier

The cluster application was not started automatically because the cluster application resource failed and also all SysNodes that make up the cluster application were not started within the prescribed time.

This message inquires if the cluster application is to be forcibly started.

SysNode indicates the name of SysNode in which the failure occurred. *userApplication* indicates the name of userApplication in which the failure occurred.

resource indicates the name of the resource that caused the failure in userApplication. *number* indicates the message number.

1423 On the SysNode "*SysNode*", the userApplication "*userApplication*" has the faulted resource "*resource*". The userApplication "*userApplication*" did not start automatically because not all of the nodes where it can run are online.

Forcing the userApplication online on the SysNode "*SysNode*" is possible.

Warning: When performing a forced online, confirm that RMS is started on all nodes in the cluster, manually shutdown any nodes where it is not started and then perform it. For a forced online, there is a risk of data corruption due to simultaneous access from several nodes. In order to reduce the risk, nodes where RMS is not started maybe forcibly stopped.

Are you sure wish to force online? (no/yes)

Message No.: *number*

Content:

For Solaris PRIMECLUSTER 4.3A10 or later and Linux PRIMECLUSTER 4.3A30 or later

The cluster application was not started automatically because the cluster application resource failed and also all SysNodes that make up the cluster application were not started within the prescribed time. This message inquires if the cluster application is to be forcibly started.

SysNode indicates the name of SysNode in which the failure occurred. *userApplication* indicates the name of userApplication in which the failure occurred. *resource* indicates the name of the resource that caused the failure in userApplication.

number indicates the message number.

Make sure to check "Notes on Switching a Cluster Application Forcibly" in "PRIMECLUSTER Installation and Administration Guide" when starting the cluster application forcibly.

4.3 Information Messages

This section explains the FJSVcluster format information messages in the order of message numbers. Almost all information messages require no corrective action. Only when action is required, the corrective action is described.

2100 The resource data base has already been set. (detail:code1-code2)

2200 Cluster configuration management facility initialization started.

2201 Cluster configuration management facility initialization completed.

2202 Cluster configuration management facility exit processing started.

2203 Cluster configuration management facility exit processing completed.

2204 Cluster event control facility started.

2205 Cluster event control facility stopped.

2206 The process (*count: appli*) was restarted.

Content:

The process monitoring function detected that a process being monitored had stopped and restarted the process. *count* indicates the restart count of the process to be monitored. *appli* indicates the absolute path name of the restarted process.

Corrective action:

Message 2207 is output before this message.

See the explanation of message 2207.

2620 On the SysNode " *SysNode* ", the userApplication " *userApplication* " transitioned to the state *state* . Therefore, message " *number* " has been canceled.

Content:

Since the userApplication state has changed, the message has been cancelled. You do not need to respond to the operator intervention message.

SysNode indicates the name of SysNode in which the userApplication state has been changed. *userApplication* indicates the name of userApplication whose status has been changed. *state* indicates the userApplication state. *number* indicates the message number.

2621 The response to the operator intervention message " *number* " was action.

Content:

The response to the operator intervention message has been made.

number indicates the number of the operator intervention message to which you responded. *action* indicates with or without response by yes or no.

2622 There are no outstanding operator intervention messages.

2700 The resource fail has recovered. SysNode: *SysNode* userApplication: *userApplication* Resource: *resource*

Content:

The resource recovered from the failure.

SysNode indicates the name of SysNode whose resource has been recovered. *userApplication* indicates the name of the userApplication to which the recovered resource belongs. *resource* indicates the name of the resource that has recovered from the error state.

2701 A failed resource has recovered. SysNode: *SysNode*

Content:

SysNode that was in the Faulted state due to a node panic entered the Online state.

SysNode indicates a recovered SysNode.

2914 A new disk device(*disk*) was found.

Content:

A new disk device(*disk*) was found. *disk* indicates a newly detected shared disk device.

Corrective action:

Register a new detected shared disk device (*disk*) in the resource database by executing the "clautoconfig(1M)" or using the CRM main window. For details on the "clautoconfig(1M)" command, see the manual pages of "clautoconfig(1M)."

Supplement

This message is also displayed when a node is started on a machine where a DVD or CD-ROM is in a DVD-ROM device.

If the device name indicating the DVD-ROM is in "*disk*", it is not necessary to register it in the resource database. Start up the node after checking a DVD or CD-ROM is not in the DVD-ROM.

2927 A node (*node*) detected an additional disk. (*disk*)

Content:

A node (*node*) detected an additional disk. (*disk*)

node indicates the node identifier of the node on which a new disk unit was detected while *disk* indicates the newly detected disk unit.

Corrective action:

Register a newly detected disk unit (*disk*) in the resource database. A disk unit can be registered in the resource database by using the clautoconfig(1M) command or the CRM main window. For details on the clautoconfig(1M) command, see the manual page describing clautoconfig(1M).

If there are many newly detected disk units, "..." will be suffixed to *disk*. In this case, you can reference all of newly detected disk units by searching for the message having number 2914 in the /var/adm/messages file on the node where the message has been output.

Supplement

This message is also displayed when a node is started on a machine where a DVD or CD-ROM is in a DVD-ROM device.

If the device name indicating the DVD-ROM in "*disk*", it is not necessary to register it in the resource database. Start up the node after checking a DVD or CD-ROM is not in the DVD-ROM.

3040 The console monitoring agent has been started. (node: *nodename*)

3041 The console monitoring agent has been stopped. (node:nodename)

3042 The RCI monitoring agent has been started.

3043 The RCI monitoring agent has been stopped.

3044 The console monitoring agent took over monitoring Node targetnode.

3045 The console monitoring agent cancelled to monitor Node targetnode.

3046 The specified option is not registered because it is not required for device. (option:option)

3050 Patrol monitoring started.

3051 Patrol monitoring stopped.

3052 A failed LAN device is found to be properly running as a result of hardware diagnostics. (device:altname rid:rid)

Content:

This indicates that the faulty LAN device is operating normally, as a result of hardware diagnosis.

altname indicates the interface name of the specified LAN device while *rid* indicates its resource ID.

3053 A failed shared disk unit is found to be properly running as a result of hardware diagnostics. (device:altname rid:rid)

Content:

This indicates that the faulty shared device is operating normally, as a result of hardware diagnosis.

altname indicates the device name of the shared device that is operating normally while *rid* indicates its resource ID.

3070 "Wait-For-PROM" is enable on the node. (node:nodename)

Content:

"Wait-For-PROM" of the RCI monitoring agent is enabled on the node *nodename*.

Corrective action:

"Wait-for-PROM," which is not supported, has been enabled. Change the setting of the Shutdown Facility to disable "Wait-for-PROM." For the details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

3071 "Wait-For-PROM" of the console monitoring agent is enable on the node. (node:nodename)

Corrective action:

"Wait-for-PROM," which is not supported, has been enabled. Change the setting of the Shutdown Facility to disable "Wait-for-PROM." For the details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

3080 The MMB monitoring agent has been started.

3081 The MMB monitoring agent has been stopped.

3082 MMB has been recovered from the failure. (node:nodename mmb_ipaddress1:mmb_ipaddress1 mmb_ipaddress2:mmb_ipaddress2 node_ipaddress1:node_ipaddress1 node_ipaddress2:node_ipaddress2)

3083 Monitoring another node has been started.

3084 Monitoring another node has been stopped.

3085 The MMB IP address or the Node IP address has been changed. (mmb_ipaddress1:mmb_ipaddress1 mmb_ipaddress2:mmb_ipaddress2 node_ipaddress1:node_ipaddress1 node_ipaddress2:node_ipaddress2)

Content:

This indicates that the MMB IP address or the IP address in the management LAN of the shutdown configuration has been changed.

3120 The iRMC asynchronous monitoring agent has been started.

3121 The iRMC asynchronous monitoring agent has been stopped.

3122 MMB has been recovered.
(node:*nodename* mmb_ipaddress1:*mmb_ipaddress1* mmb_ipaddress2:*mmb_ipaddress2*
node_ipaddress:*node_ipaddress*)

3123 iRMC has been recovered.
(node:*nodename* irmc_ipaddress:*irmc_ipaddress* node_ipaddress:*node_ipaddress*)

3124 The node status is received.
(node:*nodename* from:*irmc/mmb_ipaddress*)

3110 The SNMP monitoring agent has been started.

3111 The SNMP monitoring agent has been stopped.

3200 Cluster resource management facility initialization started.

3201 Cluster resource management facility initialization completed.

3202 Cluster resource management facility exit processing completed.

3203 Resource activation processing started.

3204 Resource activation processing completed.

3205 Resource deactivation processing started.

3206 Resource deactivation processing completed.

4.4 Warning Messages

This section explains the FJSVcluster format warning messages in the order of message numbers.



.....
When the message number 6206 or 6209 is output, see "6206" or "6209."
.....

2207 Process (*appli*) has stopped.

Content:

This message warns that the monitoring target with the process monitoring feature was stopped by other than the correct processing for stopping by the execution of the Offline script.

appli indicates the absolute path name of the monitored process that has been stopped.

Corrective action:

If the process was stopped because of an error, search for the cause by checking the process specification or core file error. The core file is written to the current directory of the process or the directory set for the kernel parameter of the system. (If the file is written-enabled, the normal access control is applied.)

Check the value of the kernel parameter by executing the following command.

```
# sysctl -a | grep kernel.core_pattern
kernel.core_pattern = |/usr/lib/systemd/systemd-coredump %P %u %g %s %t %c %h %e
```

The core file is not generated for the process that has an effective user ID different than the actual user ID. For detailed investigations, contact the creator of this process.

4250 The line switching unit cannot be found because FJSVclswu is not installed

Content:

This message indicates that the line switching unit cannot be detected, as the FJSVclswu is not installed.

Corrective action:

Devices other than the line switching unit register an automatic resource.

Install the FJSVclswu package and conduct the automatic resource registration of the line switching unit for using the line switching unit.

5001 The RCI address has been changed. (node:nodename address:address)

Content:

Change of RCI address is detected during operation.

nodename indicates the node name of which RCI address is changed. *address* represents the RCI address after change.

Corrective action:

Review the RCI address setting of the detected node.

5021 An error has been detected in part of the transmission route to MMB. (node:nodename mmb_ipaddress1:mmb_ipaddress1 mmb_ipaddress2:mmb_ipaddress2 node_ipaddress1:node_ipaddress1 node_ipaddress2:node_ipaddress2)

Content:

This message indicates that an error has been detected in part of the transmission route to MMB.

Corrective action:

An error was detected in part of the transmission route to MMB, or MMB may be in high load.

Check the following points:

- Check if the normal lamp of the port connected to the HUB and the LAN cable is ON.
- Check if the LAN cable is connected to the MMB port connector or the HUB-side connector.
- Check if the load to MMB is high.

If one of the above items is found to be the cause, the MMB monitoring agent or the iRMC asynchronous monitoring agent recovers automatically after the corrective action is taken. Automatic recovery takes up to 10 minutes.

If the automatic recovery message 3082 (MMB monitoring agent) or 3122 (iRMC asynchronous monitoring agent) is displayed, and this message is not displayed again after 10 minutes has passed, MMB may have been in temporally high load. In this case, no action is required.

If the connection fails after the above items are checked, contact field engineers because there may be a network failure or a failure in hardware such as MMB or HUB. If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

5100 An error was detected in the failover unit of the line switching unit. (RCI:addr LSU:mask status:status type:type)

Content:

An error was detected in the switching control board of the line switching unit.

addr: Indicates the RCI address of the line switching unit in which an error was detected.

mask: Indicates the LSU mask to be controlled.

status: Indicates the an internal status of the line switching unit by error type.

type: Indicates an error type.

- 3: Indicates that the reserved status was not canceled.

status: The reserved status of each LSU included in the switching unit is indicated by the value of the LSU mask.

0: Indicates that the LSU is in the released status.

1: Indicates that the LSU is in the reserved status.

- 4: Indicates that the connection has not changed.

status: The status of the connection of each LSU included in the switching unit is indicated by the LSU mask value.

0: Indicates that the LSU is connected to port 0.

1: Indicates that the LSU is connected to port 1.

- 5: Indicates that the reserved status could not be created.

status: The reserved status of each LSU included in the switching unit is indicated by the value of the LSU mask.

0: Indicates that the LSU is in the released status.

1: Indicates that the LSU is in the reserved status.

LSU mask value

```
LSU15 LSU14 LSU13 LSU12 ... LSU03 LSU02 LSU01 LSU00
0x8000 0x4000 0x2000 0x1000 ... 0x0008 0x0004 0x0002 0x0001
```

Corrective action:

No corrective action is required because processing is retried. If, however, retries fail repeatedly and if this warning occurs frequently, contact field engineers.

5200 There is a possibility that the resource controller does not start. (*ident::ident command:command,*)

Content:

Notification of the completion of startup has not yet been posted from the resource controller. *ident* indicates a resource controller identifier while *command* indicates the startup script of the resource controller.

Corrective action:

It is possible that startup of GDS resource controller is delayed. If an error message is output after this warning message, take the corrective action instructed by the error message.

If the message is displayed again, collect the investigation information. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

If no error messages are output, there are no problems as GDS resource controller operates later.

7130 The specified resource ID (*rid*) cannot be deleted because it is being used.

Content:

The specified resource ID cannot be deleted because it has been used for GDS, and so on.
rid indicates the resource ID.

Corrective action:

Confirm the resource ID to be deleted, and then set up the correct resource ID.

cctrctr: FJSVclerr Onltrc start fail

Content:

Failed to start an online trace.

When this message is output, the following messages are also output:

```
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.mst Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.lck Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.dbc Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.dbu Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.com Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.syn Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.svlib Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.evm Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.evmhty Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.evmslb Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.evmmtx Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.cem Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.cemtm Onltrc start fail
FJSVcldbm: WARNING: ccmtrestr: FJSVcldbm.cemlck Onltrc start fail
```

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

4.5 Error Messages

This section explains the FJSVcluster format error messages in the order of message numbers.

If an error message is output, conduct the log analysis on the time zone the message was output from the `/var/adm/messages` file for Solaris or the `/var/log/messages` for Linux to check if other messages had output beforehand. If so, take corrective action following instructions on that error message in the first place.

???? Message not found!!

Content:

The text of the message that is correspondent to the message number is not available.

Conduct confirmation as it is possible that no message catalog or symbolic link to the message catalog exists.

Corrective action:

If no message catalog exists, conduct installation again.

If no symbolic link exists, create the link using the `In` command.

If the message is displayed again, collect the investigation information. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

- For message catalogs, see below.

- Solaris/Linux

`/opt/FJSVclapi/locale/C/LC_MESSAGES/FJSVcluster`

`/opt/FJSVcldev/locale/C/LC_MESSAGES/FJSVcldev`

`/opt/FJSVclapi/locale/ja/LC_MESSAGES/FJSVcluster`

`/opt/FJSVcldev/locale/ja/LC_MESSAGES/FJSVcldev`

- For symbolic links, see below.

- Solaris

`/usr/lib/locale/C/LC_MESSAGES/FJSVcluster`

/usr/lib/locale/C/LC_MESSAGES/FJSVcldev
/usr/lib/locale/ja/LC_MESSAGES/FJSVcluster
/usr/lib/locale/ja/LC_MESSAGES/FJSVcldev

- Linux

/usr/share/locale/C/LC_MESSAGES/FJSVcluster
/usr/share/locale/C/LC_MESSAGES/FJSVcldev
/usr/share/locale/ja_JP.UTF-8/LC_MESSAGES/FJSVcluster
/usr/share/locale/ja_JP.UTF-8/LC_MESSAGES/FJSVcldev
/usr/share/locale/ja_JP/LC_MESSAGES/FJSVcluster
/usr/share/locale/ja_JP/LC_MESSAGES/FJSVcldev
/usr/share/locale/ja_JP.eucJP/LC_MESSAGES/FJSVcluster
/usr/share/locale/ja_JP.eucJP/LC_MESSAGES/FJSVcldev

0102 A failure occurred in the server. It will be terminated.

Content:

A failure occurred in the server. It will be terminated.

Corrective action:

Follow the corrective action of the error message that was displayed right before this 0102 message.

6000 An internal error occurred. (function: *function* detail: *code1-code2-code3-code4*)

Content:

An internal error occurred in the program.
function, *code1*, *code2*, *code3*, and *code4* indicate the investigation information for error diagnosis.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6001 Insufficient memory. (detail: *code1-code2*)

Content:

This message indicates that the memory resources are insufficient.
code1 and *code2* indicate the information necessary for error investigation.

Corrective action:

One of the following could be the case:

- The memory resources are insufficient.
- The kernel parameter has incorrect settings.

Reexamine the estimation of the memory resources that are required for the entire system. For information on the amount of memory required for cluster control, see the Installation Guide for PRIMECLUSTER, which is provided with each product.

If you still have the problem, confirm that the kernel parameter settings are correct by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier.

Change the settings if necessary, and then reboot the system. If above actions do not help you solve the problem, contact field engineers.

If above actions do not help you solve the problem, record the message, collect the investigation information and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6002 Insufficient disk or system resources. (detail:code1-code2)

Content:

This message indicates that disk or system resources are insufficient. *code1* and *code2* indicate the information necessary for error investigation.

Corrective action:

One of the following could be the case:

- The disk resources are insufficient.
- The kernel parameter has incorrect settings.

Record this message and collect information for an investigation. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Confirm that there is sufficient disk space to enable the operation of PRIMECLUSTER. If necessary, delete any unnecessary files to create sufficient free space and then restart the system. For information on the amount of required disk space, see the Installation Guide for PRIMECLUSTER," which is provided with each product.

If you still have the problem, confirm that the kernel parameter settings are correct by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier. Change the settings if necessary, and then reboot the system.

If above actions do not help you solve the problem, contact field engineers.

6003 Error in option specification. (option:option)

Content:

Option designation is incorrect. *option* indicates an option.

Corrective action:

Specify the option correctly, and then re-execute the operation.

6004 No system administrator authority.

Content:

It is required to execute by the system administrator authority.

Corrective action:

Re-execute the process with system administrator' s authority.

6005 Insufficient shared memory. (detail:code1-code2)

Content:

Shared memory resources are insufficient for the Resource Database to operate.

Corrective action:

Review estimated allocation for shared memory resource by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier. Then, reboot the node that has the changed kernel parameter settings.

If this error cannot be corrected by the above action, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

code1 and *code2* indicate the information required for error investigation.

6006 The required option *option* must be specified.

Content:

Specify the mandatory options shown in *option*.

Corrective action:

Specify the option correctly, and then re-execute the operation.

6007 One of the required options (*option*) must be specified.

Content:

Specify one of mandatory options shown in *option*.

Corrective action:

Specify a correct option, and execute the command again.

6008 If option *option1* is specified, option *option2* is required.

Content:

When an option is specified *option1*, an option must be specified also to *option2*.

Corrective action:

Specify the option correctly, and then re-execute the operation.

6009 If option *option1* is specified, option *option2* cannot be specified.

Content:

Two options specified with the command conflict.

Corrective action:

Re-execute the command by specifying either one of the options.

6010 If any one of the options *option1* is specified, option *option2* cannot be specified.

Content:

If one of the options is specified to *option1*, any option cannot be specified to *option2*.

Corrective action:

Specify the option correctly, and then re-execute the operation.

6021 The *option* option(s) must be specified in the following order:*order*

Content:

Specify options sequentially in the correct order. *option* indicates an option specified in the wrong order and *order*, correct designation sequence.

Corrective action:

Specify *options* in the order shown by *order*. Then, run the processing again.

6025 The value of option *option* must be specified from *value1* to *value2*

Content:

Specify the value of the *option* shown in option within the range between *value1* and *value2*. *option* indicates the specified option while *value1* and *value2* indicate values.

Corrective action:

Specify the value of the option shown in option within the range between *value1* and *value2*. Then, run the processing again.

6200 Cluster configuration management facility:configuration database mismatch. (name:name node:node(node-number))

Content:

This message indicates that mismatch of cluster configuration database occurred to the cluster configuration management facility.

Corrective action:

Collect the investigation information from all the nodes and then recover the system as instructed below. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

As the node to which this message is not output is the one that has mismatch of the cluster configuration database, reboot that node.

name indicates a database name in which a mismatch occurred, while *node* indicates an ID node name that has an old cluster configuration database. *node* of the node number indicates a node ID *number* of which cluster configuration database is normal.

If above actions do not help you solve the problem, record this message and contact field engineers.

6201 Cluster configuration management facility:internal error. (node:node code:code)

Content:

An internal error occurred in the cluster configuration management facility.

node indicates a node where an error occurred. *code* indicates a code showing the details of processing executed against the error.

Corrective action:

One of the following could be the case:

- The kernel parameter has incorrect settings.
- The memory resources are insufficient.
- The disk resources are insufficient.

Confirm that the kernel parameter settings are correct by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier.

If not, correct the settings and then reboot the system.

If the above does not correct the problem, review the estimated memory resources required for the entire system. As for memory resources required for controlling the cluster, refer to the Installation Guide for PRIMECLUSTER provided with each product.

If the problem still remains, confirm that there is sufficient disk space to enable the operation of PRIMECLUSTER. If necessary, delete any unnecessary files to create sufficient free space and then restart the system.

For information on the amount of required disk space, see the Installation Guide for PRIMECLUSTER, which is provided with each product.

- CF and the cluster interconnect are not running.

Check if CF and the cluster interconnect are running by using the *cftool* and *ciptool* commands. If not, take a necessary action based on the displayed CF message.

If the error still cannot be solved after the above actions, record this message and collect the investigation information. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6202 Cluster event control facility:internal error. (detail:code1-code2)

Content:

An internal error has occurred in the event configuration management facility of the cluster control.

cod1 and *code2* indicate the information necessary for error investigation.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6203 Cluster configuration management facility: communication path disconnected.

Content:

This message indicates that communication paths to other nodes are disconnected for the cluster management configuration system.

Corrective action:

Check the state of other nodes and path of a private LAN.

6204 Cluster configuration management facility has not been started.

Content:

This message indicates that the cluster management configuration system has not been started up.

Corrective action:

Record this message and those before and after this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6206 Cluster configuration management facility:error in definitions used by *target* command.

Content:

This message indicates that there is the wrong command definition information that is used by the cluster management configuration system.

target indicates a command name.

Corrective action:

Record this message and those before and after this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6207 Cluster domain contains one or more inactive nodes.

Content:

There is a node among nodes that configure the cluster domain, which has not been started up.

Corrective action:

Activate the node in the stopped state.

6208 Access denied (*command*).

Content:

The user has no access authority. *target* indicates a command name.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6209 The specified file or cluster configuration database does not exist (*target*).

Content:

The specified file or cluster configuration database does not exist.

target indicates a file name or cluster configuration database name.

Corrective action:

One of the following causes is possible:

- The kernel parameter has incorrect settings.
- The memory resources are insufficient.
- The disk resources are insufficient.

Confirm that the kernel parameter settings are correct by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier.

If not, correct the settings and then reboot the system.

If the above does not correct the problem, review the estimated memory resources required for the entire system. As for memory resources required for controlling the cluster, refer to the Installation Guide for PRIMECLUSTER provided with each product.

If the problem still remains, confirm that the disk space necessary for operation of PRIMECLUSTER. If not, delete unnecessary files to ensure the sufficient space and then reboot the system. For details on memory space required for PRIMECLUSTER operation, refer to the Installation Guide for PRIMECLUSTER provided with each product.

If this error cannot be corrected by the above action, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6210 The specified cluster configuration database is being used (*table*).

Content:

The specified cluster configuration database is currently being used.
table indicates a cluster configuration database name.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6211 A table with the same name exists (*table*).

Content:

A cluster configuration database that has the same name exists.
table indicates a cluster configuration database name.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6212 The specified configuration change procedure is already registered (*proc*).

Content:

The specified configuration change procedure has already been registered.
proc indicates a configuration change procedure name.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6213 The cluster configuration database contains duplicate information.

Content:

The same information already exists in the cluster configuration database.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6214 Cluster configuration management facility:configuration database update terminated abnormally (target).

Content:

The cluster configuration database reflecting processing of the cluster configuration management facility has terminated abnormally. target indicates a cluster configuration database name.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Collect the investigation information in all the nodes, then reactivate all the nodes.

6215 Cannot exceed the maximum number of nodes.

Content:

This message appears when you attempt to add a node exceeding the maximum number of configuration nodes.

Corrective action:

Review the cluster system configuration so that the number of nodes becomes equal to or less than the maximum number of composing nodes.

6216 Cluster configuration management facility:configuration database mismatch occurred because another node ran out of memory. (name:name node:node)

Content:

Mismatch of cluster configuration database occurred for the cluster configuration management facility because of insufficient memory resources of other node.

name indicates a database in which a mismatch occurred and *node* indicates a node for which a memory shortfall occurred.

Corrective action:

Review the memory resource allocation, and reboot the node. If an error still occurs, record this message and collect the investigation information. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Review the memory resource allocation. If this error cannot be solved by operator response, contact field engineers. After collecting data for all the nodes, stop the node and start it again.

6217 Cluster configuration management facility:configuration database mismatch occurred because another node ran out of disk or system resources. (name:name node:node)

Content:

Mismatch of cluster configuration database occurred for the cluster configuration management facility because of insufficient disk or system resources of other node.

name indicates a database in which a mismatch occurred and *node* indicates the node in which insufficient disk resources or system resources occurred.

Corrective action:

Record this message and collect information for an investigation. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Review the disk resource and system resource (kernel parameters) allocation by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER

Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier. When the kernel parameter is changed for a given node, restart that node. If this error cannot be corrected by the above, contact field engineers.

6218 An error occurred during distribution of file to the stopped node. (name: *name* node: *node* errno: *errno*)

Content:

An error occurred during distribution of a file to a stopping node.

name indicates the file name that was distributed when a failure occurred, *node* indicates the node in which a failure occurred, and *errno* indicates the error number when a failure occurred.

Corrective action:

File cannot be distributed from the erroneous node to the stopped node. Be sure to start the stopped node before the active node stops. It is unnecessary to re-execute the command.

6219 The cluster configuration management facility cannot recognize the activating node. (detail: *code1-code2*)

Content:

The activating node cannot be recognized by the cluster configuration management facility.

code1 and *code2* indicate the information required for error investigation.

Corrective action:

Confirm that there are no failures in Cluster Foundation (CF) or cluster interconnection. If a failure occurs in CF, take the corrective action following the CF message. If a failure occurs in cluster interconnection, check the cluster interconnection and network settings. If you still have this problem after going through the above instructions, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6220 The communication failed between nodes or processes in the cluster configuration management facility. (detail: *code1-code2*)

Content:

Communications cannot be done between nodes or processes for the cluster configuration management facility.

code1 and *code2* indicate the information required for investigation.

Corrective action:

Confirm that there are no failures in cluster interconnection. If a failure occurs in cluster interconnection, check the cluster interconnection and network settings.

If above actions do not help you solve the problem, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6221 Invalid kernel parameter used by cluster configuration database. (detail: *code1-code2*)

Content:

Parameter setting used by cluster management is incorrect.

code1 and *code2* indicate the information required for error investigation.

Corrective action:

The kernel parameter used by the resource database is incorrect. Modify the settings by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier.

When the kernel parameter is modified, reboot the modified node.

If above actions do not help you solve the problem, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6222 The network service used by the cluster configuration management facility is not available. (detail:code1-code2)

Content:

The network to be used by the cluster configuration management facility is not available.
code1 and *code2* indicate the information required for error investigation.

Corrective action:

Confirm the `/etc/inet/services` file is linked to the `/etc/services` file. If not, you need to create a symbolic link to the `/etc/services` file after editing to correct settings. Confirm the following network services are set up correctly in the `/etc/inet/services` file. If any of the followings are missing, you need to add the missing one.

```
dcmmcom 9331/tcp# FJSVcldbm package
```

```
dcmsync 9379/tcp# FJSVcldbm package
```

```
dcmlck 9378/tcp# FJSVcldbm package
```

```
dcmfcp 9377/tcp# FJSVcldbm package
```

```
dcmmst 9375/tcp# FJSVcldbm package
```

```
dcmevm 9376/tcp# FJSVcldbm package
```

If the above settings are correct, confirm that the services of the `/etc/nsswitch.conf` file are defined as shown below. If not, you need to define them correctly.

```
services: files nisplus
```

Reboot the modified node.

If the `/etc/nsswitch.conf` file is correctly set, confirm that the SysNode names are also correctly set to `/etc/inet/hosts` (for Solaris) or `/etc/hosts` (for Linux).

If above actions do not help you solve the problem, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6223 A failure occurred in the specified command. (command: *command*, detail:code1-code2)

Content:

An error is detected to the specified command.
command, *code1* and *code2* indicate the information required for error investigation.

Corrective action:

Confirm that you can normally run the program specified by the "clexec" command. If above actions do not help you solve the problem, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6226 The kernel parameter setup is not sufficient to operate the cluster control facility. (detail:code)

Content:

One or more kernel parameter settings used for cluster management are missing.
code indicates a missing kernel parameter setting and the minimum value necessary for cluster management to operate.

Corrective action:

One or more kernel parameters used by the resource database are not specified. Modify the settings by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of

"PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier. When the kernel parameter is modified, reboot the modified node.

If this message appears during initial setting of the resource database, review the kernel parameter settings, execute the "clinitreset" command, reboot the node, and initialize the resource database again.

If you still have this problem after going through the above instructions, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6250 Cannot run this command because FJSVclswu is not installed.

Content:

FJSVclswu must have been installed for executing this command.

Corrective action:

Install the FJSVclswu package before executing the command. Refer to the Installation Guide for PRIMECLUSTER for further details.

6300 Failed in setting the resource data base. (detail:code1-code2)

Content:

This message indicates failure in resource database setting.
code1 and *code2* represent the information for error investigation.

Corrective action:

Check if an error message is output to /var/adm/messages (Solaris) or /var/log/messages (Linux) by the cluster management facility. If so, take the following corrective action:

1. Execute "clinitreset" command at all the nodes.
2. Reboot all the nodes.
3. One of the following could be the case:
 - An error caused by the error message displayed before this message.
 - The CIP setting is invalid.
 - Communication used for PRIMECLUSTER by filtering the network (such as iptables) is not available.

If an error message was displayed before this message, see the corrective action of the error message.

If no error message is displayed, see "PRIMECLUSTER Installation and Administration Guide" to check that the CIP setting is correct.

If the setting is not correct, modify it.

If you still have the problem, check whether the communication used for PRIMECLUSTER by filtering the network (such as iptables) is not available.

If the setting is not correct, restart the system.

4. If this message appears during execution of "clsetup" command, execute the command again. If this message appears on the CRM main window, initialize the CRM again.

If you still have this problem after going through the above instructions, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6302 Failed to create a backup of the resource database information. (detail:code1-code2)

Content:

This message indicates failure in creating a backup file of the resource database.
code1 and *code2* indicate the information required for investigation.

Corrective action:

The disk space might be insufficient. Make sure you have 1 MB or more of free disk space, and try backing up again.

If you still have this problem after going through the above instruction, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6303 Failed restoration of the resource database information. (detail:code1- code2)

Content:

This message indicates failure in restoring the resource database information.
code1 and *code2* indicate the information required for investigation.

Corrective action:

The disk space might be insufficient. Make sure you have 1 MB or more of free disk space, and try backing up again.

If you still have this problem after going through the above instruction, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6600 Cannot manipulate the specified resource. (insufficient user authority)

Content:

The specified resource cannot be manipulated because of lack of user authority.

Corrective action:

Re-execute the specified resource with registered user authority.

6601 Cannot delete the specified resource. (resource:resource rid:rid)

Content:

Cannot delete the specified resource.
resource indicates the resource name of the specified resource. *rid* indicates the resource ID of the specified resource.

Corrective action:

Specify the resource correctly, and then re-execute it.

6602 The specified resource does not exist. (detail:code1-code2)

Content:

The specified resource does not exist. *code1* and *code2* indicate the information required for investigation.

Corrective action:

Specify the resource correctly, and then re-execute the operation. If the message is displayed again, record the message, collect the information required for investigation, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6603 The specified file does not exist.

Content:

A non-existing file is specified.

Corrective action:

Specify the correct file, then re-execute the processing.

6604 The specified resource class does not exist.

Content:

A non-existing resource class is specified.

Corrective action:

Specify the correct resource class, and then re-execute the processing.

A specifiable resource class is a file name itself that is under /etc/opt/FJSVcluster/classes.

Confirm that there is no error in the character strings that have been specified as the resource class.

6606 Operation cannot be performed on the specified resource because the corresponding cluster service is not in the stopped state. (detail:code1- code2)

Content:

The specified resource cannot be operated, as the service is not in the stopped state.

code1 and *code2* indicate the information required for error investigation.

Corrective action:

Stop the cluster service, then re-execute the processing.

6607 The specified node cannot be found.

Content:

A non-existing node is specified.

Corrective action:

Specify the node correctly. Then, execute again.

6608 Operation disabled because the resource information of the specified resource is being updated. (detail:code1-code2)

Content:

Operation cannot be performed, as the resource information of the specified resource is under updating.

code1 and *code2* indicate the information required for error investigation.

Corrective action:

Re-execute the processing.

6611 The specified resource has already been registered. (detail:code1-code2)

Content:

The specified resource has already been registered.

code1 and *code2* indicate the information required for error investigation.

Corrective action:

If this message appears when the resource is registered, it indicates that the specified resource has been already registered. It is unnecessary to register it again.

If this message appears when changing a displayed name, specify other name because the specified display name has already been registered.

6614 Cluster configuration management facility:internal error. (detail:code1- code2)

Content:

An internal error occurred in the cluster configuration management facility.

code1 and *code2* indicate the information required for error investigation.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6615 The cluster configuration management facility is not running.(detail:code1-code2)**Content:**

The cluster configuration management facility is not running.
code1 and *code2* indicate the investigation information required for field engineers.

Corrective action:

Reactivate the Resource Database by restarting the node. If the message is redisplayed, record this message and collect related information for investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6616 Cluster configuration management facility: error in the communication routine.(detail:code1-code2)**Content:**

An error occurred to communication processing of cluster configuration management facility.
code1 and *code2* indicate the investigation information required for field engineers.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6617 The specified state transition procedure file does not exist.**Content:**

The specified state transition procedure file does not exist.

Corrective action:

Specify the state transition procedure file correctly, and then run the processing again.

If the problem cannot be solved with this corrective action, collect the investigation information and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6618 The state transition procedure file could not be written. A state transition procedure file with the same name already exists.**Content:**

As the state transition procedure file having the same name already exists, the state transition procedure could not be saved.

Corrective action:

To overwrite the state transition procedure file, specify the "-----o" option and then run the processing again.

6619 The state transition procedure file could not be written. There was an error in the resource class specification.**Content:**

As a wrong resource class is specified, the state transition procedure file could not be saved.

Corrective action:

Specify the resource class correctly, and then run the processing again. The applicable resource classes are file names under /etc/opt/FJSVcluster/classes.

Confirm that the character string specified as the resource class contains no errors.

6621 Could not perform file operation on state transition procedure file. (detail:code1-code2)**Content:**

This message indicates failure in operation of the state transition procedure file.
code1 indicates the necessary investigation information while *code2* indicates an error number.

Corrective action:

- When retrieving the state transition procedure:

Confirm that the disk resource from which the state transition procedure is retrieved or the node resource of the file system is sufficient. Correct the insufficient resource problem or change the location from which the state transition procedure is retrieved, and retry. Use the command listed below for confirmation of resources:

- For Solaris

df(1M)

- For Linux

df(1)

- When registering the state transition procedure:

Confirm that the disk resource on which the cluster system is installed or the node resource of the file system is sufficient. If insufficient, correct the insufficient resource problem, and retry. Use the command listed below for confirmation of resources:

- For Solaris

df(1M)

- For Linux

df(1)

If the problem cannot be solved even after the above corrective action, collect the investigation information and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6623 Cannot delete the specified state transition procedure file.

Content:

The specified state transition procedure file cannot be deleted.

Corrective action:

You can delete only the state transition procedure file that was defined by a user.

For information on how to delete a state transition procedure file not defined by the user, consult the file supplier.

6624 The specified resource does not exist in cluster service. (resource:resource rid:rid)

Content:

The specified resource does not exist in the cluster services.

resource indicates the resource name not registered to the resource database while *rid*, the resource ID not registered to the resource database.

Corrective action:

Solaris

A procedure resource that is registered in the userApplication is not in the resource database. This message is not output if the userApplication was registered by using the userApplication Configuration Wizard (GUI). However, if this occurs, record this message, collect the investigation information, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Linux

A procedure resource that is registered in the userApplication is not in the resource database. This message is not output if the userApplication was registered by using the hvw for selecting the procedure resource. However, if this occurs, record this message, collect the investigation information, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Confirm that the procedure resource described in the message text is not registered to the resource database by using the "clgctree" command. If it is not registered to the resource database, register the procedure resource described in the message text. As for how to

register a procedure resource, make sure to register correctly according to the product of "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)," or "PRIMECLUSTER Installation and Administration Guide (Linux)." If it is registered to the resource database, record this message and collect the investigation information. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6651 The specified instruction contains an error.

Content:

This message will not be displayed on a client system on which a browser is active. This message is displayed on the standard output when you respond to the operator intervention message with the CLI command (clreply). If a string other than yes or no is entered, this message will be displayed.

Corrective action:

Specify the option correctly, and then run the processing again.

6653 Operation cannot be performed on the specified resource.

Content:

The specified resource cannot be operated.

Corrective action:

The userApplication in which the specified resource is registered is not in the Deact state.

You need to bring the userApplication to which the specified resource is registered to the Deact state by using the ClusterAdmin or "hvutil" command.

6655 Use the absolute path to specify the option (*option*).

Content:

Specify the option *option* with the absolute path name.

Corrective action:

Specify the option correctly, and then re-execute the operation.

6657 The specified resource is not being monitored. (detail:*code*)

Content:

The specified resource is not being monitored. *code* indicates the information required for investigation.

Corrective action:

If this message is output while the monitoring process is under operation, check for wrong resource ID that is specified by the "clmonproc" command by using the "clgettree" command. For details on the "clgettree" command, see the manual page.

If this message is output after completion of monitoring process, no action is required.

6658 The specified process does not exist. (pid:*pid*)

Content:

The specified process does not exist. *pid* represents the process ID of the specified process.

Corrective action:

Check the process ID using the "ps" command, specify the process ID correctly, and run the processing again.

6659 The specified command does not exist. (command:*command*)

Content:

The specified command does not exist. *command* represents the specified command.

Corrective action:

Specify the command correctly with full path name, and then run the processing again.

6661 Cluster control is not running. (detail:code)

Content:

The cluster control is not active. *code* indicates the information required for investigation.

Corrective action:

Confirm that the resource database is running by executing the `clgettree(1)` command. If not, reboot the node.

If you still have this problem after going through the above instruction, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6662 A timeout occurred in process termination. (detail:code1-code2)

Content:

The process did not terminate within the termination wait time of the process.
code1 and *code2* indicate the information required for investigation.

Corrective action:

Search for a cause. For information on the investigation, contact the creator of the process.

6665 The directory was specified incorrectly.

Content:

As a wrong directory was specified, the process cannot be executed.

Corrective action:

Specify the directory correctly, and then re-execute the operation.

6668 Cannot run this command in single-user mode.

Content:

As it is in the single-user mode, the command cannot be executed.

Corrective action:

Boot the node in multi-user mode and retry.

6675 Cannot run this command because *product_name* has already been set up.

Content:

As the setting for the product shown by the *product_name*, the command cannot be executed.

Corrective action:

Cancel the setting of the Resource Database *product_name* and retry. For instructions on how to cancel the setting, refer to the appropriate manual for *product_name*.

6680 The specified directory does not exist.

Content:

A non-existing directory is specified.

Corrective action:

Specify an existing directory, and then run the processing again.

6690 The specified userApplication or resource is not monitored. (resource)

Content:

A userApplication or resource that is not registered to patrol diagnosis is specified. *resource* indicates the specified userApplication or resource name.

Corrective action:

Reexamine the configuration of patrol diagnosis by referring to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

6691 The userApplication cannot do the patrol monitoring because of *status* .

Content:

The patrol diagnosis is disabled by the userApplication status. The state of userApplication is output to *status*.

Corrective action:

Specify the userApplication that is in the following state, and then run the processing again:

Standby, Offline, Faulted, Deact

6692 Patrol monitoring timed out.

Content:

Timeout has occurred during patrol diagnosis.

Corrective action:

Confirm that power is being supplied to the node on which patrol is enabled. Power on the node if necessary, and then re-execute. Confirm that RMS is activated.

If RMS is not activated, start the RMS with Cluster Admin or the "hvcm(IM)" command and then re-execute operation.

6750 A resource has faulted.SysNode:SysNode userApplication:userApplication Resorce:resource

Content:

An error has occurred because of a failure at the resource specified by the message.

Corrective action:

- If a failure occurred to a hardware resource, repair the hardware.
- If a failure occurred to an application resource, check for error cause of respective application.
- If a failure occurred to a Cmdline resource that is a procedure created by the user, identify the abnormal termination cause of the process monitored by the check script, and review the program to see if the procedure normally functions.
- If a failure occurred to the process monitoring resource, identify the cause of abnormal termination of the monitoring program.
- If a failure occurred to the Gds or Gls resource, identify the error cause, referring to the manual of the respective product.
- If a failure occurred to the Fsystem resource, check if the warning message alerting that the mount point check process (system call) fails to complete within the predetermined time because of the I/O load or other reasons. If this error occurs frequently, tune the mount point monitoring time (HV_GMOUNTMAXLOOP value) to reduce the I/O load.
-

6751 A SysNode has faulted. SysNode:SysNode

Content:

A SysNode failure has occurred. *SysNode* indicates the SysNode where the failure occurred.

Corrective action:

Respond to the operator intervention message that is displayed after the node is started or confirm the state of userApplication running on the node in which the failure occurred, by using the RMS main window or executing the "hvdisp(1M)" command. If userApplication is Faulted, you need to clear the Fault by using the RMS main window or specifying the "-c" option of the "hvutil(1M)" command.

**6752 The processing was canceled due to the following error.
Error message from RMS command**

Content:

If a failure occurs when you execute the RMS command (hvdisp) to enable the history function for the failed resource or the operation intervention function, an error message will be displayed. Examine this error message and after taking an appropriate corrective action, execute the request again.

Corrective action:

Confirm the contents of this message and, after taking the required corrective action, re-execute the processing. For details on the necessary corrective action, refer to "PRIMECLUSTER Installation and Administration Guide."

**6753 Failed to process the operator intervention message due to the following error.(message number: *number* response: *action* command : *command*)
Error message from RMS command**

Content:

Since the RMS command ended abnormally, the operator intervention function indicated by the message failed. *command* represents the RMS command that terminated abnormally. "Error message from RMS command" indicates the error message that is output to the standard error by the RMS command.

Corrective action:

Note the contents of this message and, after applying an appropriate correction, re-execute the required processing. *number* indicates the operator intervention message for which processing failed. *action* indicates the first response to the message from the operator with either yes or no.

6754 The specified message number (*number*) does not exist.

Content:

The specified message number does not exist.
number indicates the number of operator intervention message.

Corrective action:

This message is output in the following situations:

- The operator specified a nonexistent message number when executing the "clreply" command. This problem can be solved by specifying a message number that is included in the unfinished message list.
- The operator intervention function has automatically replaced the message for which a response has been entered with other message. For example, when the operator intervention function's message number 1422 is replaced by the message number 1423 and vice versa. In such a case, the operator intervention function responds to the first message, displays another message, and advises a user that the message number has been changed.
- The message for which a response was entered has been canceled. This occurs when the message gets old since the application state has been changed. You do not have to take any action.

**6755 Failed to respond to the operator intervention message due to the SysNode (SysNode) stop.
(message number: *number* response : *action*)**

Content:

Since the node indicated by SysNode has stopped, the response to the operator intervention message failed.

SysNode indicates the SysNode name of the node that is stopped. *number* indicates the number of the operator intervention messages that failed to respond. *action* indicates the operator's response by yes or no.

Corrective action:

Reboot the node, and then confirm that RMS is running.

6780 Cannot request to the process monitoring daemon.

Content:

The "clmonproc" command failed to request start or stop monitoring of the process monitoring function.

Corrective action:

The daemon process for the process monitoring function might not be running. Check the "prmd" process by executing the "ps" command. If the "prmd" process does not exist, execute /etc/init.d/clprmd start to recover the process. If the "prmd" process exists, execute /etc/init.d/clprmd stop and then /etc/init.d/clprmd start, to recover the process.

If above actions do not help you solve the problem, contact field engineers.

6781 The process (*appli*) cannot be monitored because the process hasn't made a process group at starting.

Content:

A process to be monitored by specifying the "-g" option in the "clmonproc" command must satisfy the condition "process ends immediately after descendent processes are generated." However, the parent process did not end even after the specified time (default 10 seconds) elapsed after the process was started. If the system continues to monitor the process in this condition, the load on the system is getting high, so the process was removed from the processes to be monitored by the process monitoring function. *appli* indicates the absolute path name of the monitored process.

Corrective action:

Take one of the following actions:

1. Do not monitor descendent processes. Do not specify the "-g" option in the "clmonproc" command.
2. If the monitored process can be changed, do not change the process group in the descendent processes, and do not specify the "-g" option in the "clmonproc" command.
3. If processes were generated, end the parent process immediately. Set up the process so that the first child process that is generated becomes the process leader immediately after it operates.

6782 The process(*appli*) was not able to be executed. (errno:*error*)

Content:

The command that was specified with the "-a" option of the "clmonproc" command could not be executed. *appli* indicates the absolute path name of the process that has failed startup. *error* indicates the detailed code.

Corrective action:

Check whether the command that was specified with the "-a" option of the "clmonproc" command can be executed. Execute the command, and check whether an error occurs. If this message is output again even if the command could be executed, contact field engineers.

Since errno is output as a detail code, field engineers should investigate the cause from this message information. For example, if errno is 13 (EACCES), the most likely cause is that the command path that was specified in the "-a" option of the "clmonproc" command does not have execute permission.

6807 Disk device (NodeID *NodeID* , *disk*) cannot be detected.

Content:

The power to the disk unit may not be turned on or the disk may be disconnected. If an attempt is made to start userApplication, userApplication may not start normally.

Two messages, namely, this message and that of message number 6836 may be displayed depending on connection.

NodeID indicates the identification number of the node to which the disk unit was connected while *disk* indicates the shared disk that could not be detected.

Corrective action:

Confirm that the power to the shared disk device is turned on and that the shared disk device is connected correctly. If power is not being supplied to the shared disk device, stop the node, turn on the power to the shared disk device, and then boot the node. If the connection of the shared disk device is incorrect, stop the node, rectify the connection, and then boot the node.

6817 An error occurred during state transition procedure execution. (error procedure:procedure detail:code1-code2-code3-code4-code5-code6-code7)

Content:

A failure occurred during execution of the state transition procedure.

procedure indicates the state transition procedure that occurred the failure. When the state transition *procedure* shown by the procedure was created, correct the state transition procedure, referring to the information hereafter.

code1, *code2*, *code3*, *code4*, *code5*, or *code6* indicates the state transition instruction that resulted in an error. *code7* represents the necessary investigation information.

- code1: the first argument (state transition instruction type)
- code2: the second argument (cluster service instance type)
- code3: the third argument (state transition instruction timing)
- code4: the fourth argument (resource ID)
- code5: the fifth argument (state transition event type)
- code6: the sixth argument (state transition event detail)

error indicates the error cause. The error causes include the following:

- procedure file exit error

Corrective action:

The possible causes are as follows:

- The state transition procedure (procedure) is not a Bourne shell script.
- The state transition processes for the individual arguments (code1 to code6) of the state transition procedure (procedure) returned an error. The control program of the procedure resource determines the success or failure of the state transition processes based on the exit code (exit function) of the state transition procedure.
 - Exit code 0: The control program determines that the state transition process is normal.
 - Exit code other than 0: The control program determines that the state transition process failed.

Take the following actions:

- Obtain the state transition procedure, and check that the state transition procedure (procedure) is a Bourne shell script. If the procedure is not a Bourne shell script, specify the following in the first line of the state transition procedure, and then register the state transition procedure again:

```
#!/bin/sh
```

To obtain the state transition procedure, execute the "clgetproc(1M)" command. To register the state transition procedure, execute the "clsetproc(1M)" command. For details on each command, see the corresponding manual page.

- Check the return value of the state transition process for each argument (code1 to code6). If there is no process that sets up an exit code (exit function), you need to add this exit code process. If there is no process, the execution result of the last command in the state transition procedure becomes the return value.

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6836 The disk device (NodeID NodeID , disk) has changed.

Content:

The following causes might be considered:

1. The wiring of the shared disk device is incorrect.
2. No value is set for the volume name of vtoc.

As the main reason, it is considered that the automatic configuration was not performed when swapping the disk.

If an attempt is made to start the cluster application in the current state, the cluster application may not start up normally. This message and Message 6807 may be displayed depending on the connection condition.

NodeID indicates the node identification number to which the shared disk device is connected while *disk* indicates the shared disk in which an error has been detected.

Corrective action:

Confirm that the shared disk device is connected correctly. If the connection is incorrect, stop the node, correct the connection, and then boot the node.

If the cause is "2," perform the automatic configuration.

6900 Automatic resource registration processing terminated abnormally. (detail:reason)

Content:

The automatic resource registration has terminated abnormally.

reason indicates the command that was abnormally terminated or the returned value.

Corrective action:

If *reason* is *sdxnetdiskconfig-failed*, the initial setting of the device for mirroring among servers may have failed. Take the following procedure, and then execute the command again.

1. If an abnormal node exists in the cluster domain, restore the abnormal node.
2. Make sure that the description of the shared disk definition file is correct.
3. Check the free disk space in */etc/opt* directory.
If the disk space is less than 100 MB, delete any unnecessary files.
4. Execute the *cat* command to output */etc/opt/FJVSdx/.sdxnetmirror_ipaddr* file, and check if the outputs contain the garbled characters. If the outputs are garbled, delete the file.

If the problem is still not solved after taking this procedure, collect the information for error investigation and contact field engineers. For details on how to collect the investigation information, refer to "PRIMECLUSTER Installation and Administration Guide."

If *reason* is other than *sdxnetdiskconfig-failed*, this problem may occur when the disk or system resource is not set correctly. Check the setting by referring to PRIMECLUSTER Designsheets (PRIMECLUSTER 4.4 or later) or "PRIMECLUSTER System Design Worksheets" in "PRIMECLUSTER Installation and Administration Guide" (PRIMECLUSTER 4.3 or earlier) that is prepared beforehand. If the problem is still not solved, record this message and collect the information for error investigation. For details on how to collect the investigation information, refer to "PRIMECLUSTER Installation and Administration Guide."

For details on how to create the designsheet, see PRIMECLUSTER Designsheets.

6901 Automatic resource registration processing is aborted due to one or more of the stopping nodes in the cluster domain.

Content:

The automatic resource registration cannot be done if a stopping node exists in the cluster domain.

Corrective action:

Start all the nodes and perform automatic resource registration.

6902 Automatic resource registration processing is aborted due to cluster domain configuration manager not running.

Content:

The automatic resource registration cannot be done unless the cluster configuration management facility is running.

Corrective action:

Record this message and collect the information for error investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After collection of the investigation information, the system may be restored by starting all the nodes again. Restart nodes using the "shutdown(8)" command.

6903 Failed to create logical path. (node dev1 dev2)

Content:

Creation of a logical path was failed.

node indicates an identification name of the node where creation of the logical path was failed. *dev1* indicates the logical path (mplb2048 or a like), and *dev2* indicates a tangible path (clt0d0, c2t0d0, and so on) corresponding to the logical path.

Corrective action:

Contact field engineers to confirm that the current setting permit creation of a logical path for the shared disk.

If above actions do not help you solve the problem, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Maintenance information (for system administrators)

The command line executed for creating the logical path is stored in the following file of the node indicated by the node identification name.

`/var/opt/FJSVcluster/data/ACF/acfmk*device ("*" is an optional figure of 0 or more)`

If the command line is correct, the setting of the shared disk device may not support by the logical path.

6904 Fail to register resource. (detail:reason)

Content:

This message indicates failure in the resource registration.

reason indicates the reason of the error.

Corrective action:

Check whether the disk or system resource is set correctly.

If above actions do not help you solve the problem, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6905 Automatic resource registration processing is aborted due to mismatch instance number of logical device between nodes.

Content:

The following causes might be considered:

1. A user has created a logical path of multi-path disk before performing the automatic resource registration.
2. The automatic resource registration was not performed even though the disk was swapped. It can be determined if the setting of volume name vtoc is not set.
3. If this message appears during registration of an automatic resource after expansion of disks and nodes, the registration command might fail to check the instance displays when performing the automatic resource registration after expanding a disk device or a node, as access to the logical path of the multi-path disk is impossible. This case can be determined from the following conditions:
 1. The same logical path name is created on multiple nodes,

2. And this logical path can be accessed from certain node, but not from others

Corrective action:

This message appears when the logical path of the multi-path disk is created by the user before registering the automatic resource.

If this message appears during registration of an automatic resource after expansion of disks and nodes, the registration command might fail to check the instance number, as access to the logical path of the multi-path disk is impossible. This happens in the following conditions:

1. The same logical path name is created on multiple nodes
2. This path can be accessed from certain nodes, but not from others

The PRIMECLUSTER automatic resource registration has a feature to provide the same environment to all applications. If the instance number (indicates 2048 of mplb2048) of the logical path in the same disk is different between nodes, this message appears, and the automatic resource registration process is aborted. You need to check the logical path of all the nodes. Recreate the logical path if necessary. The instance number should be the same. Then, register the automatic resource again.

If the cause is the failure of accessing the logical path of the multi-path disk, there might be a failure in the disk, or the disk is disconnected to the node.

Take the necessary corrective action and register the automatic resource again.

If you still have this problem after going through the above instructions, collect the investigation information. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Maintenance information (for system administrators)

A unique volume name is set to "vtoc" of the disk unit for the automatic resource registration. It can be judged if the disk unit is identical or not by referring to this volume name. Use the "prtvtoc(1M)" command for checking the volume name of disk unit. Examples where the identical disk unit (same volume name) has different instance numbers of logical paths.

```
node0:

# /usr/sbin/prtvtoc /dev/FJSVmplb/rdisk/mplb2048s2 |head - 1

* /dev/FJSVmplb/rdisk/mplb2048s2 (volume "vol00001") partition map

(vol000001 shown in quotation marks represents a volume name.)

# /usr/sbin/prtvtoc /dev/FJSVmplb/rdisk/mplb2049s2 |head - 1

* /dev/FJSVmplb/rdisk/mplb2049s2 (volume "vol00002") partition map

node1:

# /usr/sbin/prtvtoc /dev/FJSVmplb/rdisk/mplb2048s2 |head - 1

* /dev/FJSVmplb/rdisk/mplb2048s2 (volume "vol00002") partition map

# /usr/sbin/prtvtoc /dev/FJSVmplb/rdisk/mplb2048s2 |head - 1

* /dev/FJSVmplb/rdisk/mplb2049s2 (volume "vol00001") partition map
```

Create the logical device by eliminating logical paths that have different instance numbers between nodes against /dev/rdsk/cXtXdXs2 while checking volume names using "prtvtoc(1M)" command, in a way the identical disk unit has the same instance number.

As for details on how to create the logical device, refer to "Multi-path Disk Control Guide."

If the cause is disabled access to the disk unit, the "prtvtoc(1M)" command terminates abnormally. In this case, check faulty disk unit and abnormal state of the connection path.

6906 Automatic resource registration processing is aborted due to mismatch setting of disk device path between nodes.

Content:

As disk device settings vary between nodes, the automatic resource registration cannot be done.

Corrective action:

This failure might be caused by one of the following incorrect settings:

- Among the nodes connected to the same shared disk, the package of the multi-path disk control is not installed on all the nodes.
- The priority mode for automatic detection of the shared disk devices is different between nodes.
- The number of paths to the shared disk device is different between nodes.

Remove the failure cause and register the automatic resource again.

6907 Automatic resource registration processing is aborted due to mismatch construction of disk device between nodes.

Content:

As disk unit configurations conflict each other, the automatic resource registration cannot be done.

Corrective action:

When the same shared disk was mistakenly connected to other cluster system or for other reasons, the volume label might have been overridden. Review the disk unit configuration.

Check the setting if it permits re-write of volume label of shared disk unit (by nodes other than those that configure the cluster system). If this message is displayed while the configuration is correct, record this message, collect the investigation information, and then contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6910 It must be restart the specified node to execute automatic resource registration. (node:node_name...)

Content:

Rebooting of the node is required for activating the cluster automatic resource registration.
node_name indicates the identifier (volume label) of the node rebooting is required.

Corrective action:

The nodes constituting the cluster system must be restarted. Restart the nodes constituting the cluster system. After that, perform the necessary resource registration again.

When two or more nodes are indicated in the *node_name*, those node identifiers are delimited with commas. If *node_name* is "All," restart all of the nodes constituting the cluster system.

Maintenance information (for system administrators)

The measure numbers of "sfdsk" drivers must match each other between nodes for enabling the automatic resource registration. As the driver measure numbers are reserved during PRIMECLUSTER installation, this message is normally not displayed. The case this message is displayed is limited only when, although a measure number is reserved after PRIMECLUSTER installation, the node is not restarted and the driver is not running by the reserved measure number.

6911 It must be matched device number information in all nodes of the cluster system executing automatic resource registration. (dev:dev_name...)

Content:

The message indicates that all device number information must be matched among all the nodes for disabling the cluster automatic resource registration.

dev_name represents the necessary information for investigation.

Corrective action:

Record this message, and contact field engineers. The system engineer will take care of matching transaction based on the information on the disk devices.

Maintenance information (for system administrators)

Measure numbers must be matched among "sfdisk" drivers between nodes for enabling the automatic resource registration. For this reason, reservation of a measure number is attempted during PRIMECLUSTER installation, the attempt is failed, as other driver already uses that number or for other reasons. Reserve a unique measure number to each driver and restart the node for reflecting the new settings. dev_name indicates the prefix of the driver reservation again is required.

7003 An error was detected in RCI. (node:nodename address:address status:status)

Content:

This message indicates that an error for RCI is detected.

Corrective action:

An RCI transmission failure occurs between the node where the error message is output and nodename in the error message. Improper connection of RCI or a system error might be considered as the cause of the error.

Check the following:

- The RCI cable is connected.
- Operations such as firm reboot or firm up is performed on the RCI.

If these are the cause, take the corrective action. Then, execute the following commands on the node where the error message appears to restart the Shutdown Facility (SF) and the RCI monitoring agent (MA):

```
# /opt/SMAW/bin/sdtool -e
```

```
# /etc/opt/FJSVcluster/bin/clrcimonctl stop
```

```
# /etc/opt/FJSVcluster/bin/clrcimonctl start
```

```
# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, hardware failures such as the RCI cable and System Control Facility (hereafter, SCF) might be considered as the cause of the error.

Write down the error message, collect SCF dump and required information for troubleshooting, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Field engineers restart the RCI monitoring agent (MA) and the Shutdown Facility (SF) after recovering hardware.

7004 The RCI monitoring agent has been stopped due to an RCI address error. (node:nodename address:address)

Content:

This message indicates that the RCI address is not correct.

Corrective action:

The following causes might be considered:

- The RCI address is not configured.
- The RCI address is duplicated.
- The RCI address of other node is changed while the RCI monitoring agent is running.

Write down the error message, collect SCF dump and required information for troubleshooting, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The field engineer confirms if the RCI address of nodename indicated in the message is correctly set up. To check the previous RCI address, execute the following command on an arbitrary node:

```
# /opt/FJSVmadm/sbin/setrci -c stat
```


After setting the correct RCI address, execute the following commands on the node where the error message appears to restart the RCI monitoring agent (MA) and the Shutdown Facility (SF):

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrcimonctl stop
# /etc/opt/FJSVcluster/bin/clrcimonctl start
# /opt/SMAW/bin/sdtool -----b
```

7012 Hardware error occurred in RCI setup.

Content:

There is a problem in the RCI setting.

Corrective action:

RCI has not been set or the RCI setting is incorrect.

Record this message and collect information for an investigation. If a message of System Control Facility (SCF) is output, record that message and collect SCF dumps. Then, contact field engineers. For details on how to collect information and SCF dumps, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide." For the messages output from the System Control Facility (SCF), see the "Enhanced Support Facility User's Guide."

Take the above corrective action and execute the following commands on the node where this message was output. Then, restart the Shutdown Facility (SF) and RCI monitoring agent.

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrcimonctl stop
# /etc/opt/FJSVcluster/bin/clrcimonctl start
# /opt/SMAW/bin/sdtool -b
```

7018 The console monitoring agent has been started.

Content:

This message indicates that the console monitoring agent has been started.

Corrective action:

If you do not need to restart the console monitoring agent, you do not have to take any action. If you need to restart the console monitoring agent, execute the following commands on the node where this error message appeared to restart the console monitoring agent (MA) and the Shutdown Facility (SF):

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrccumonctl stop
# /etc/opt/FJSVcluster/bin/clrccumonctl start
# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, write down the error message, collect required information for troubleshooting and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7019 The RCI monitoring agent has already been started.

Content:

This message indicates that the RCI monitoring agent has been started.

Corrective action:

If you do not need to restart the RCI monitoring agent, you do not have to take any action. If you need to restart the RCI monitoring agent, execute the following commands on the node where this error message appeared to restart the RCI monitoring agent (MA) and Shutdown Facility (SF):

```
# /opt/SMAW/bin/sdtool -e

# /etc/opt/FJSVcluster/bin/clrcimonctl stop

# /etc/opt/FJSVcluster/bin/clrcimonctl start

# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, write down the error message, collect required information for troubleshooting and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7026 HCP is not supported. (version:version).

Content:

Unsupported version of Hardware Control Program (HCP) is in use.

Corrective action:

The HCP version is not supported. To use XSCF, you need to update HCP to the appropriate version. For information on how to update HCP, refer to the XSCF (eXtended System Control Facility) User's Guide.

If this corrective action does not work, write down the error message, collect required information for troubleshooting and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7027 The XSCF is not supported.

Content:

This message indicates that XSCF currently in use is not supported.

Corrective action:

The following causes are possible:

- XSCF is not implemented in the main unit
- ESF (Enhanced Support Facility) is not installed

Refer to the instruction manual of the main unit and check whether XSCF is implemented. Also refer to the ESF Installation Guide to check whether ESF is installed. If XSCF is implemented and ESF is not installed, install it.

If this corrective action does not work, record the error message, collect the investigation information, and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7030 CF is not running.

Content:

This message indicates the CF is not running.

Corrective action:

If CF has not been configured, you need to configure it, referring to "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide." If CF has been configured, reboot the node and start CF.

As for details on how to start the CF, refer to "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

7031 Cannot find the HCP version.

Content:

This message indicates failure in obtaining the HCP version.

Corrective action:

The HCP version is not known. ESF (Enhanced Support Facility) might have been incorrectly installed. Or referring to the ESF Installation Guide, check if ESF is installed.

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7033 Cannot find the specified CF node name.(nodename:nodename).

Corrective action:

You need to check the following points and execute the command again:

1. Whether the specified CF node name is correct.
Use "cftool" and check whether the specified CF node name is correct. If an incorrect CF node name was specified, specify the correct CF node name.
2. Whether the CF of the specified node is operating.
Use "cftool," and check whether the CF is operating. If the CF is not operating, start the CF. As for the "cftool" command, refer to the manual page of the "cftool" command. For details on how to start the CF, refer to "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

If this corrective action does not work, record the error message, collect the investigation information and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7034 The console information is not set.(nodename:nodename)

Content:

No console information of the specified CF node name has been registered.

Corrective action:

Check the currently registered console information using the "clrcusetup ----l" command. Register the console information, if necessary, using the Shutdown Agent Wizard or the "clrcusetup" command. For the Shutdown Agent Wizard, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)." For the clrcusetup command, see the manual pages.

If this corrective action does not work, record the error message, collect the investigation information and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7035 An address error is detected in RCI. (node:nodename address:address)

Content:

This message indicates detection of an RCI address error.

Corrective action:

Check if the RCI address is correct. Record the message, collect the SCF dump and investigation information, and field engineers. For details on how to collect the SCF dump and investigation information, refer to "PRIMECLUSTER Installation and Administration Guide."

Our field engineers confirms if the RCI address of *nodename* indicated in the message is correctly set up. To check the previous RCI address, execute the following command on an arbitrary node:

```
# /opt/FJSVmadm/sbin/setrci stat
```

If the RCI address is incorrect, correct it. For details on the setting procedure, refer to the maintenance manual for field engineers. The node of the nodename shown in the error message is excluded from monitoring and furious stop until the shutdown facility (SF) is restarted. After setting up of the correct RCI address, execute the following command at the node to which the message was output to restart the shutdown facility (SF):

```
# /opt/SMAW/bin/sdtool -----e
```

```
# /opt/SMAW/bin/sdtool -----b
```

7036 The RCI is not supported.

Content:

RCI cannot be operated in the environment.

Corrective action:

Check if Enhanced Support Facility (hereafter, SCF) is installed correctly and it operates properly. If there is a problem on ESF, take the corrective action. Then, execute the following commands on the node where the error message appeared to restart the Shutdown Facility (SF) and the RCI monitoring agent (MA):

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrcimonctl stop
# /etc/opt/FJSVcluster/bin/clrcimonctl start
# /opt/SMAW/bin/sdtool -b
```

If the problem has not yet been resolved, record this message and collect information for an investigation. If a message of System Control Facility (SCF) is output, record that message and collect SCF dumps. Then, contact field engineers. For details on how to collect information and SCF dumps, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide." For the messages output from the System Control Facility (SCF), see the "Enhanced Support Facility User's Guide."

7037 The SNMP information is not set.(nodename:nodename)

Content:

SNMP information for the specified CF node name has not been registered.

Corrective action:

Execute the `clsnmpsetup -l` command, and check the currently registered console information.

Then, if necessary, use the shutdown configuration wizard or the `clsnmpsetup` command to register the console information.

For details about the shutdown configuration wizard, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)." For details about the `clsnmpsetup` command, see the manual page.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7040 The console was disconnected. (node:nodename portno:portnumber detail:code)

Content:

This message indicates that the connection to the console is disconnected.

Corrective action:

Check the following points:

<When RCCU is used for the console>

- RCCU is powered on.
- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is connected to the RCCU and HUB connectors.
- The load is not placed on the network of the system or RCCU.

<When XSCF is used for the console>

- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is connected to the XSCF's XSCF-LAN port and HUB connectors.

- The shell port of the XSCF telnet ports is not connected from other software products outside the cluster system. You can check by connecting to the XSCF shell via serial port (tty-a). For information on how to connect and check the connection, see the "XSCF (eXtended SystemControl Facility) User's Guide."
- The load is not placed on the network of the system or XSCF.
- Operations such as firm reboot or firm up is not performed, or an event such as failover has not occurred on XSCF.

<When ILOM is used for the console>

- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is connected to the network management (NET MGT) port and HUB connectors.
- The load is not placed on the network of the system or ILOM.
- Operations such as firm reboot or firm up is not performed on ILOM.

If any one of the above turns out to be the cause of the problem, take the corrective action. Then, execute the following commands on the node where the error message appeared to restart the Shutdown Facility (SF) and the console monitoring agent (MA):

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrcumonctl stop
# /etc/opt/FJSVcluster/bin/clrcumonctl start
# /opt/SMAW/bin/sdtool -b
```

If the problem has not yet been resolved, users should consider failures of network and hardware such as RCCU, XSCF, ILOM, or HUB. Contact field engineers. Also, collect and submit troubleshooting information and the message to field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7042 Connection to the console is refused. (node:nodename portno:portnumber detail:code)

Content:

Connection to the console cannot be established during the console monitoring agent startup.

Corrective action:

Check the following:

<When RCCU is used for the console>

- The IP address or host name of RCCU is correct. Use the clrcusetup(1M) command to check. If the IP address or host name is incorrect, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to configure the console monitoring agent again.
- RCCU is powered on.
- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is connected to the RCCU and HUB connectors.
- The IP address of RCCU belongs to the same segment as the Administrative LAN.
- The console information of RCCU is correct. Use the clrcusetup(1M) command to check. If it is incorrect, register console information again using the clrcusetup(1M) command.

<When XSCF is used for the console>

- The IP address or host name of XSCF is correct. Use the clrcusetup(1M) command to check. If the IP address or host name is incorrect, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to configure the console monitoring agent again.
- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable connectors are connected to the XSCF's XSCF-LAN port and HUB.

- The shell port of the XSCF telnet ports is not connected from other software products outside the cluster system. You can check by connecting to the XSCF shell via serial port (tty-a). For information on how to connect and check the connection, see the "XSCF (eXtended SystemControl Facility) User's Guide."
- The IP address of XSCF belongs to the same segment as the Administrative LAN.
- The console information of XSCF is correct. Use the `clrcusetup(1M)` command to check. If it is incorrect, register console information again using the `clrcusetup(1M)` command.
- If SSH is used to connect to XSCF, the login user account for the Shutdown Facility is used to connect to XSCF from the cluster node via SSH connection, and also the user inquiry of the SSH connection first time such as RSA Key Generation is complete.
- Operations such as firm reboot or firm up is not performed, or an event such as failover has not occurred on XSCF.

<When ILOM is used for the console>

- The IP address or host name of ILOM is correct. Use the `clrcusetup(1M)` command to check. If the IP address or host name is incorrect, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to configure the console monitoring agent again.
- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is connected to the network management (NET MGT) port and HUB connectors.
- The console information of ILOM is correct. Use the `clrcusetup(1M)` command to check. If it is incorrect, register console information again using the `clrcusetup(1M)` command.
- For ILOM 3.0, the required privilege is not given to the login user account for the Shutdown Facility. For details on the privilege, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."
- The login user account for the Shutdown Facility is used to connect to ILOM from the cluster node via SSH connection, and also the user inquiry of the SSH connection first time such as RSA Key Generation is complete.
- Operations such as firm reboot or firm up is not performed, or an event such as failover has not occurred on ILOM.

If any one of the above turns out to be the cause of the problem, take the corrective action. Then, execute the following commands on the node where the error message appeared to restart the Shutdown Facility (SF) and the

console monitoring agent (MA):

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrcumonctl stop
# /etc/opt/FJSVcluster/bin/clrcumonctl start
# /opt/SMAW/bin/sdtool -b
```

If the problem has not yet been resolved, users should consider failures of network and hardware such as RCCU, XSCF, ILOM, or HUB. If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7043 First SSH connection to the ILOM has not been done yet. (node:nodename ipaddress:ipaddress detail:code)

Content:

SSH pre-connection to the ILOM has not been completed.

Corrective action:

Connect to ILOM from the cluster node via SSH by using the login user account for the shutdown facility, and complete the user inquiry of the SSH connection first time (such as RSA Key Generation).

Afterwards, execute the following commands to restart the Shutdown Facility (SF) and the console monitoring agent (MA):

```
# /opt/SMAW/bin/sdtool -e

# /etc/opt/FJSVcluster/bin/clrccumonctl stop

# /etc/opt/FJSVcluster/bin/clrccumonctl start

# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7050 A failure is detected in a LAN device as a result of hardware diagnostics. (node:*nodename* device:*altname* rid:*rid* detail:*code*)

Content:

As a result of hardware diagnosis of the LAN device, it is determined as a failure. To the *altname*, the interface name of the LAN device which was determined as faulty is output. *nodename*, *rid*, and *code* indicate the information required for investigation.

Corrective action:

Take corrective action by referring to "Corrective Action when Patrol Diagnosis Detects a Fault" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

7051 A network device monitoring command is abnormally terminated as a result of diagnosing a LAN device.(node:*nodename* device:*altname* rid:*rid* detail:*code*)

Content:

As a result of hardware diagnosis of the LAN device, it is determined that the network device diagnosis command terminated abnormally. An interface name of the LAN device for which a failure is diagnosed is output with *altname*. *nodename*, *rid*, and *code* indicate investigation information.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7052 A failure of the shared disk device is detected as a result of the hardware diagnostics. (node:*nodename* device:*altname* rid:*rid* detail:*code*)

Content:

As a result of hardware diagnosis of the shared device, it is determined as a failure. A device name for which a failure is diagnosed is output with *altname*. *nodename*, *rid*, and *code* indicate investigation information.

Corrective action:

Take corrective action by referring to "Corrective Action when Patrol Diagnosis Detects a Fault" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

7053 A disk monitoring command is abnormally terminated as a result of the hardware diagnostics. (node:*nodename* device:*altname* rid:*rid* detail:*code*)

Content:

As a result of hardware diagnosis of the shared device, it is determined that the disk monitoring command terminated abnormally. A shared device name for which a failure is diagnosed is output with *altname*. *nodename*, *rid*, and *code* indicate investigation information.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7054 A designated device cannot be opened as a result of diagnosing the shared disk device. (node:nodename device:altname rid:rid detail:code)

Content:

As a result of hardware diagnosis of the shared device, the designated device could not be opened.
The device name that could not found can be output with *altname*, *nodename*, *rid*, and *code* indicate investigation information.

Corrective action:

Specify the available hardware in which patrol diagnosis is enabled. See "Setting Up Patrol Diagnosis" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

7055 The designated LAN device cannot be found as a result of the hardware diagnostics. (node:nodename device:altname rid:rid detail:code)

Content:

As a result of hardware diagnosis of the LAN device, the designated LAN device could not be found.
The interface name of the LAN device that could not be found can be output with *altname*, *nodename*, *rid*, and *code* indicate investigation information.

Corrective action:

Specify the available hardware in which patrol diagnosis is enabled. See "Setting Up Patrol Diagnosis" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

7056 The flag settings of the activated LAN device is found improper as a result of the hardware diagnostics. (node:nodename device:altname rid:rid detail:code)

Content:

As a result of hardware diagnosis on the LAN device, the flag settings of the activated LAN device was found improper.
The network device name, which is in the inadequate state, can be output with *altname*, *nodename*, *rid*, and *code* indicates investigation information.

Corrective action:

The flag used when the LAN device is activated is in the inadequate state such as not UP and not BROADCAST. After confirming the system configuration, activate the device correctly. Confirm the flag by executing the "ifconfig(1M)" command.

- UP must be set.
- BROADCAST must be set.
- LOOPBACK must not be set.
- POINTOPOINT must not be set.
- NOARP must not be set.

7101 SCF cannot be accessed because it is in the busy state. (type:type)

Content:

SCF cannot be accessed because it is in the busy state. *type* indicates information for research.

Corrective action:

Leave the operation undone for several minutes, and then re-execute accessing.

7102 SCF open failed. (errno:errno)

Content:

SCF open failed. *errno* indicates an error number.

Corrective action:

Contact field engineers to check whether the SCF is operating normally.

7103 SCF access failed. (errno:errno)

Content:

SCF access failed. *errno* indicates an error number.

Corrective action:

Contact field engineers to check whether the SCF is operating normally.

7104 The subclass of the line switching unit cannot be identified. (RCI:addr Subclass:no)

Content:

A line switching unit whose subclass cannot be identified is connected.

- *addr*: Indicates the RCI address of the line switching unit.
- *no*: Indicates the subclass of the line switching unit.
 - 0x01: Indicates a 4-line switching unit.
 - 0x02: Indicates a 16-line switching unit.

Corrective action:

Confirm if the line switching unit is a supported product.

7105 The specified line switching unit does not exist. (RCI:addr)

Content:

No line switching unit that is specified with the RCI address exists. *addr* indicates an RCI address.

Corrective action:

Confirm with field engineers whether the RCI address of the specified line switching unit is correct or it is connected.

7106 The power to the line switching unit is not on, or the RCI cable has been disconnected. (RCI:addr)

Content:

The power to the line switching unit is not on, or the RCI cable has been disconnected. *addr* indicates the RCI address of the line switching unit.

Corrective action:

Confirm if the power of the specified line switching unit is turned on and that the RCI cable is not disconnected.

7108 Reservation of the line switching device failed. (RCI:addr LSU:mask retry:no)

Content:

Although *no* times of attempts were made to reserve the switching unit, which was specified with mask of the line switching unit that was specified with RCI address (*addr*), reservation failed.

addr indicates the RCI address of the line switching unit, while *mask* indicates a mask that represents a switching unit of the line switching unit and *no* indicates the retry count until an error is displayed.

Corrective action:

Check whether the line switching unit has failed, whether the RCI connection has an error, and whether the power-supply voltage is abnormal. If errors occur frequently, contact field engineers.

7109 An error was detected in the switching control board of the line switching unit. (RCI:addr status:status type:type)

Content:

An error was detected in the switching control board of the line switching unit.

addr: Indicates the RCI address of the line switching unit in which an error was detected.

status: Indicates the internal status of the line switching unit by error type.

type: Indicates the error type.

- 1: 1: Error in the switching control system (*status*: status 0)

status: Indicates the value of status 0 (see below) of the line switching unit.

- 0x80: QANS (0: normal, 1: abnormal)

Indicates that the switching line of QSC remains in the asserted state (abnormal) although other than switchover processing is being performed.

- 0x40: QAST (0: normal, 1: abnormal)

Indicates that the switching line of QSC cannot be asserted during switchover processing. Once an abnormal state arises, that state remains until the power supply is turned off.

- 2: Power/circuit error (*status*: status 0)

status: Indicates the value of status 0 (see below) of the line switching unit.

- 0x10: QENA (0: normal, 1: abnormal)

Indicates the QSC switchover function enabled state. If this Bit is ON, it indicates that every connected QSC is abnormal.

- 0x08: DCNV (0: normal, 1: abnormal)

Indicates that the output voltage of the DC-DC converter, which is mounted in the QSC, is normal. If this Bit is ON, it indicates that the output voltage of the DC-DC converter is abnormal.

Remark: This bit is enabled only for a 4-line switching unit.

- 0x04: PW12

0 is indicated for a single power unit while 1 indicates two power units.

Remark: This bit is enabled only for a 16-line switching unit.

- 0x02: PRY1 (0: normal, 1: abnormal)

- 0x01: PRY0 (0: normal, 1: abnormal)

Indicates whether the power supply is normal/abnormal. (Normal means that power is supplied without any failure.)

Remark: This Bit is enabled only for a 16-line switching unit.

- 3: QSC connection error (*status*: status 1)

status: Indicates the value of status 1 (see below) of the line switching unit.

- 0x80: HSC (0: 4-line switching unit, 1: 16-line switching unit)

Indicates if a 16-line switching unit is used.

- 0x20: QSC1 (slot 1 mounted)

- 0x10: QSC0 (slot 0 mounted)

Indicates the slot in which the QSC (switching control board) is mounted. Values other than 0x10 and 0x20 indicate errors.

- 0x02: OBSY

Indicates that the other side of the duplicated QSC is presently executing switchover processing (canceling of reserve, switchover command 0, and switchover command 1).

Corrective action:

Check whether the line switching unit has a failure, if the RCI connection has an error, or whether the power-supply voltage is abnormal. If these errors occur frequently, contact field engineers.

7110 An error was detected in the switching unit of the line switching unit. (RCI:addr LSU:mask status:status type:type)

Content:

An error was detected in the switching unit of the line switching unit.

addr: Indicates an RCI address of the line switching unit in to be controlled.

mask: Indicates an LSU mask which is the target of control.

status: Indicates the internal status of the line switching unit by error type (for research).

type: Indicates an error type.

- 1: Indicates an erroneous state.

status: Indicates the abnormal state of each LSU, which is included in the switching unit, as the value of LSU mask.

0: Indicates that the relevant LSU is normal.

1: Indicates that the relevant LSU is abnormal.

- 2: Indicates that a request of canceling switchover/reserve has been sent to the unconnected LSU.

status: Indicates whether each LSU that is included in the switching unit is connected using the value of the LSU mask.

0: Indicates that the LSU is unconnected.

1: Indicates that the LSU is connected.

LSU mask value

LSU15 LSU14 LSU13 LSU12 *** LSU03 LSU02 LSU01 LSU00

0x8000 0x4000 0x2000 0x1000 *** 0x0008 0x0004 0x0002 0x0001

Corrective action:

Check whether the line switching unit has a failure, if the RCI connection has an error, or if the power-supply voltage is abnormal. If these errors occur frequently, contact field engineers.

Maintenance information (for system administrators)

Check whether the specified line switching unit has an error.

7111 The cluster event control facility is not running. (detail:code1-code2)

Content:

The cluster event control facility is not running. *code1* and *code2* indicate information items for diagnosis.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After that, reboot the node in which the error occurred. If you need to stop the node, execute the "shutdown(1M)" command.

7112 Communication failed in the cluster event control facility (detail:code1-code2)

Content:

Communication failed in the cluster event control facility. *code1* and *code2* indicate the information required for troubleshooting.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After that, reboot the node in which the error occurred. If you need to stop the node, execute the "shutdown(1M)" command.

7113 Cluster event control facility: internal error. (detail:code1-code2)

Content:

An internal error occurred in the cluster event control facility. *code1* and *code2* indicate the information required for troubleshooting.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After that, reboot the node in which the error occurred. If you need to stop the node, execute the "shutdown(1M)" command.

7116 Port number information is not set for resource SWLine. (rid:rid)

Content:

The port number information is not set for resource SWLine.
rid indicates the resource ID of SWLine in the line switching unit.

Corrective action:

Set the port number attribute (port) of the line switching unit used for the resource SWLine.

7117 The port number specified for resource SWLine is incorrect. (rid:rid port:port)

Content:

The port number specified for resource SWLine is incorrect.
rid indicates the resource ID of the SWLine in the line switching unit while *port* indicates a port number.

Corrective action:

Set up the correct port number.

7119 The LSU mask information has not been set for the shared resource SH_SWLine. (rid:rid)

Content:

The LSU mask information has not been set for the shared resource SH_SWLine.
rid indicates the resource ID of the shared resource SH_SWLine in the line switching unit.

Corrective action:

Set up the mask (Isu_mask) attribute of the switching unit used for the shared resource SH_SWLine.

7121 The parent resource of the shared resource SH_SWLine is a resource other than the shared resource SH_SWU. (rid:rid)

Content:

The parent resource of the shared resource SH_SWLine is a resource other than the shared resource SH_SWU.
rid indicates the resource ID of the shared resource SH_SWLine in the line switching unit.

Corrective action:

Re-create the shared resource SH_SWLine as a child resource of shared resource SH_SWU.

7122 The RCI address information has not been set for the shared resource SH_SWU. (rid:rid)

Content:

The RCI address information has not been set for the shared resource SH_SWU.
rid indicates the resource ID of the shared resource SH_SWLine in the line switching unit.

Corrective action:

Set up the RCI address attribute (*addr*) of the line switching unit used for the shared resource SH_SWU.

7125 The resource ID of the node connected to the specified port *no* (*rid: rid*) is incorrect.

Content:

For the resource ID of the node that is connected to the specified port of the line switching unit, an incorrect resource ID of other than a node or nonexistent resource ID is specified.
no indicates a port number in the line switching unit while *rid* indicates the resource ID.

Corrective action:

Set up the correct resource ID of the node.

7126 The resource ID (*rid*) of the same node is specified for ports 0 and 1.

Content:

The same resource ID cannot be specified for port 0 and port 1 in the line switching unit.
rid indicates the resource ID of the specified node.

Corrective action:

Set up the correct resource ID of the node.

7131 The specified resource ID (*rid*) is not present in the shared resource class (*class*).

Content:

The specified resource ID is not present in the shared resource class.
rid indicates a resource ID while *class* indicates the class name of the shared resource class.

Corrective action:

Set up the correct resource ID.

7132 The specified resource name (*name*) is not present in the shared resource class (*class*).

Content:

The specified resource name is not present in the shared resource class.
name indicates a resource name while *class* indicates the class name of the shared resource class.

Corrective action:

Set up the correct resource ID.

7200 The configuration file of the console monitoring agent does not exist. (file:*filename*)

Content:

The configuration file of the console monitoring agent *filename* does not exist.

Corrective action:

Download the configuration file displayed in miscellaneous information using ftp from other nodes and store this file in the original directory. Then, set up the same access permission mode of this file as other nodes. After that, restart the system. If all the nodes constituting a cluster do not have this configuration file, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Collecting troubleshooting information" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

7201 The configuration file of the RCI monitoring agent does not exist. (file:filename)**Content:**

The configuration file of the RCI monitoring agent *filename* does not exist.

Corrective action:

Download the configuration file displayed in miscellaneous information using ftp from other nodes and store this file in the original directory. Then, set up the same access permission mode of this file as other nodes. After that, restart the system. If all the nodes constituting a cluster do not have this configuration file, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7202 The configuration file of the console monitoring agent has an incorrect format. (file:filename)**Content:**

There is an incorrect format of the configuration file in the console monitoring agent.

Corrective action:

If the configuration file name displayed in miscellaneous information is SA_rccu.cfg, reconfigure the Shutdown Facility by invoking the configuration wizard. Then, confirm if the RCCU name is correct. If the above corrective action does not work, or the configuration file name is other than SA_rccu.cfg, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7203 The username or password to login to the control port of the console is incorrect.**Content:**

You are not allowed to log in to the control port of the console (such as RCCU, XSCF, or ILOM).

Corrective action:

The username or password that is registered in a cluster system is different than the one that is configured for the console. Configure the console monitoring agent and Shutdown Facility again.

If the above corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7204 Cannot find the console's IP address. (nodename:nodename detail:code) .**Content:**

The console's IP address is unknown.

Corrective action:

You need to check if a node name of RCCU, XSCF, or ILOM is correct using the clrcusetup command.

If the node name is correct, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to reconfigure the SF Wizard.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7210 An error was detected in MMB. (node:nodename mmb_ipaddress1:mmb_ipaddress1 mmb_ipaddress2:mmb_ipaddress2 node_ipaddress1:node_ipaddress1 node_ipaddress2:node_ipaddress2 status:status detail:detail)**Content:**

A communication error occurred due to an error in the MMB of the node on which the message was displayed.

Corrective action:

An error may occur in PSA (PRIMEQUEST Server Agent)/SVmco (ServerView Mission Critical Option) or a hardware failure may occur, or the system may be under high load. Check if the following settings are correctly set:

- Check if PSA or SVmco is installed or set.
- Check if a node is restarted after installing SVmco manually.
- Check if PSA or SVmco is correctly set.
 - Make sure an incorrect IP address (such as an IP address of MMB) is not specified to the IP address of the administrative LAN.
- Check if the firewall for operation of PSA or SVmco is correctly set.
- Check if MMB is correctly set.
 - Check if the correct IP address is set.
 - Check if both the virtual IP address and the physical IP address are set.
- Check if MMB does not have a failure.
- Check if a node is not under high load.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After field engineers carry out the hardware recovery operation, the MMB monitoring agent/iRMC asynchronous monitoring agent recovers automatically.

7211 The MMB monitoring agent has already been started.

Content:

The MMB monitoring agent function has already been started.

Corrective action:

If there is no need to restart the MMB monitoring agent function, no action is necessary. If the MMB monitoring agent function must be restarted, execute the following commands on the node on which the message was output and restart the MMB monitoring agent function (MA) and the shutdown facility (SF).

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clmmbmonctl stop
# /etc/opt/FJSVcluster/bin/clmmbmonctl start
# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7212 The MMB information is not set. (nodename:nodename)

Content:

MMB information for the specified CF node name has not been registered.

Corrective action:

Check the following points:

<Other than PRIMEQUEST 2000/1000/500/400 environment>

Since the clmmbsetup command is for the PRIMEQUEST 2000/1000/500/400 environment, use the correct command suitable for your environment.

<PRIMEQUEST 2000/1000/500/400 environment>

Execute the `clmmbsetup -l` command, and check the currently registered MMB information. Then, if necessary, use the shutdown configuration wizard or the `clmmbsetup` command to register the MMB information.

For details about the shutdown configuration wizard, see "Setting up the Shutdown Facility" in "PRIMECLUSTER Installation and Administration Guide (Linux)." For details about the `clmmbsetup(8)` command, see the manual page of the "`clmmbsetup(8)`" command.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7213 An error has been detected in the transmission route to MMB. (node: *nodename* mmb_ipaddress1:mmb_ipaddress1 mmb_ipaddress2:mmb_ipaddress2 node_ipaddress1:node_ipaddress1 node_ipaddress2:node_ipaddress2)

Content:

An error was detected in the transmission route to the MMB.

Corrective action:

Check the following points:

- Whether the normal lamp of the port to which the HUB and the LAN cable are connected is on.
- Whether the MMB port connector or the LAN cable from the HUB-side connector is disconnected.
- Whether an incorrect IP address was specified for the MMB IP address.
- Whether an incorrect IP address was specified for the management LAN IP address that uses shutdown configuration.

If one of the above items is found to be the cause, MMB monitoring agent recovers automatically after the corrective action is taken.

Automatic recovery takes up to 10 minutes.

If the connection fails even after the above items are checked, contact field engineers because there may be a network failure or a hardware failure, such as in the MMB of the HUB. If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After field engineers carry out the hardware recovery operation, the MMB monitoring agent function recovers automatically.

7214 The username or password to login to the MMB is incorrect.

Content:

You cannot log in to the MMB.

Either the user name or the password for logging in to the MMB is different from the value that was set to the MMB, or the MMB may not have been set.

Corrective action:

Specify the settings for MMB monitoring agent/iRMC asynchronous monitoring agent and the shutdown facility again. For details, see "Setting up the Shutdown Facility" in "PRIMECLUSTER Installation and Administration Guide." For instructions on setting the MMB, see "PRIMEQUEST 2000 series" or "PRIMEQUEST 3000 series" of "Setting Up the Cluster High-Speed Failover Function" in "PRIMECLUSTER Installation and Administration Guide." If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7215 An error was detected in the MMB IP address or the Node IP address. (mmb_ipaddress1:mmb_ipaddress1 mmb_ipaddress2:mmb_ipaddress2 node_ipaddress1:node_ipaddress1 node_ipaddress2:node_ipaddress2)

Content:

The MMB IP address of the node on which this message was output or the IP address in the management LAN of the shutdown configuration was changed.

Corrective action:

Immediately after this message is output, if the Test State of the shutdown facility (SF) is Test Failed, check the following point:

- Whether the change in the MMB IP address or the IP address in the management of the shutdown configuration is correct.

If the above item is found to be the cause, take corrective action. Then, execute the following commands on all the nodes, and restart the MMB monitoring agent function (MA) and the shutdown facility (SF). In addition, if you changed the MMB IP address, first, execute the following commands only on the changed nodes. Then, execute them on the rest of the nodes.

```
# /opt/SMAW/bin/sdtool -e  
  
# /etc/opt/FJSVcluster/bin/clmmbmonctl stop  
  
# /etc/opt/FJSVcluster/bin/clmmbmonctl start  
  
# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7216 This server architecture is invalid.

Content:

This command cannot be operated in the environment.

Corrective action:

Check the environment where the command is being executed and use the correct command.

7230 The Host OS information is not set. (nodename:nodename)

Content:

This message indicates the host OS information, which the specified CF nodename belongs to, is not registered.

Corrective action:

Execute the clvmgsetup -l command to check the information on the currently registered Host OS. If necessary, register the Host OS information using the clvmgsetup command.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7231 Cannot find the guest domain name.

Content:

This message indicates that the guest domain name cannot be obtained.

Corrective action:

Make sure that the node running the clvmgsetup command is a guest domain.

If so, see "When Using the Virtual Machine Function" in "PRIMECLUSTER Installation and Administration Guide (Linux)" to set the guest domain.

7232 Cannot find the specified guest domain name. (domainname:domainname)

Content:

The specified guest domain name does not exist.

Corrective action:

The specified guest domain name does not exist. Confirm the following points, and retry.

- Is the specified guest domain name correct?

Confirm whether the specified guest domain name is wrong. If the guest domain name is wrong, specify the correct one.

- Is the specified guest domain running?

Check whether the guest domain is running. If it is not, start it.

- Has the configuration information of the logical domains been saved?

Check whether the configuration information of the logical domains has been saved with the `ldm add-spconfig` command in the control domain.

If not, use the `ldm add-spconfig` command to save the information.

- Can the states of the logical domains be checked in XSCF?

Check the states of the logical domains in XSCF.

If it cannot be checked in XSCF, use the `ldm add-spconfig` command in the control domain to save the information.

- Has the operation been performed for the cluster after Migration?

Use `clnmpsetup(1M)` to check the set IP address of XSCF.

Then, check the states of the logical domains in XSCF.

If the IP address of XSCF is invalid, or the states of the logical domains cannot be checked, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to perform the operation after Migration.

- Has the guest domain, which was stopped by Cold Migration, been started?

Check whether the guest domain, which was stopped by Cold Migration, has been started.

If the guest domain is still being stopped, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to perform the operation after Cold Migration.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7233 The username or password to login to the Host OS is incorrect.

Content:

The username or password to login to the host OS registered to a cluster system is different from ones set to the host OS.

Corrective action:

Register the host OS information by using the `clvmgsetup` command.

See "Changing Virtual Machine Settings" in "PRIMECLUSTER Installation and Administration Guide (Linux)."

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7234 Connection to the Host OS is refused. (node:nodename detail:code)

Content:

Connection to the host OS is refused.

Corrective action:

Check the following points:

- Is the IP address specified for the Host OS set correctly?
- Is the IP address allocated to the guest OS correct?
- Is a passphrase set for connection to the Host OS?

If any of the above points turns out to be the cause of the error, take the appropriate corrective action and execute the following commands on the node on which the prompt was output to restart the shutdown facility (SF):

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the connection can still not be established after checking above items, the possible cause may be a hardware damage (e.g. network or hub failure). In that case, please contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7235 First SSH connection to the Host OS has not been done yet. (node:nodename detail:code)

Content:

SSH pre-connection to the host OS has not been completed.

Corrective action:

Connect to the host OS from the guest OS via SSH by using the account created to forcibly stop the guest OS (FJSVvmSP), and complete the user inquiry of the SSH connection first time (such as RSA Key Generation).

7236 Connection to the Host OS was disconnected. (node:nodename detail:code)

Content:

Connection to the host OS was disconnected.

Corrective action:

Check the state of other nodes and path of a private LAN.

7237 clvmgsetup has been executed.

Content:

The clvmgsetup command has been executed.

Corrective action:

The clvmgsetup command has already been executed. Execute it again after the command under execution has ended.

7240 Connection to the XSCF is refused. (node:nodename ipaddress:ipaddress detail:code)

Content:

Connection to XSCF from SNMP monitoring agent.

Corrective action:

Check the following points:

- Whether this message is output when the OS is shut down.

No corrective action is required. If this message is output when the OS is shut down, there is no problem with the operation.

- Whether the IP address of XSCF or the node name is correct.

Check the IP address set by using the clsnmpsetup(1M) or the node name.

If either the IP address or the node name is incorrect, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to set the SF wizard again.

If the error message is displayed during OVM cold migration, refer to "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to reset OVM cold migration.

- Whether the normal lamps of the port to which the HUB and the LAN cable are connected are on.
- Whether the XSCF-LAN port connector of XSCF from HUB-side connector is disconnected.

- Whether the shell port of the XSCF port is not connected from other software products outside the cluster system.

Check the connection to the XSCF shell via serial port (tty-a).

For information on how to connect and check the connection, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."

- Whether the IP address of XSCF belongs to the same segment as the Administrative LAN.
- If SSH is used to connect to XSCF, the login user account for the Shutdown Facility is used to connect to XSCF from the cluster node via SSH connection, and also the user inquiry of the SSH connection first time such as RSA Key Generation is complete.
- Operations such as firm reboot or firm up is not performed, or an event such as failover has not occurred on XSCF.

If any of the above items turn out to be the cause of the problem, execute the corrective action. Then, execute the following commands on the node where the error message was displayed.

- If the error message is displayed during OVM cold migration, restart the OS of the node where the error message was displayed.
- Otherwise, execute the following commands on the node where the error message appeared to restart the Shutdown Facility (SF) and the SNMP monitoring agent (MA):

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clsnpmonctl stop
# /etc/opt/FJSVcluster/bin/clsnpmonctl start
# /opt/SMAW/bin/sdtool -b
```

If the problem has not yet been resolved despite performing the above operations, users should consider failures of network and hardware such as XSCF or HUB. Contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7241 The username or password to login to the XSCF is incorrect.

Content:

You cannot log in to XSCF.

Either the user name or password for logging in to XSCF is different from the value that was set to XSCF.

Corrective action:

Specify the settings for SNMP monitoring agent and the shutdown facility again.

For instructions on setting XSCF, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7242 The SNMP agent of XSCF is disabled.

Corrective action:

Enable the SNMP agent of XSCF.

For instructions on setting XSCF, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7243 The SNMP monitoring agent has been started.

Corrective action:

This action is only required when restarting the SNMP monitoring agent.

In the case, execute the following commands on a node where this message was output, and then restart the SNMP monitoring agent and the shutdown facility

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clsnpmonctl stop
# /etc/opt/FJSVcluster/bin/clsnpmonctl start
# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7244 Cannot find the specified PPAR-ID. (PPAR-ID:PPAR-ID)

Content:

The specified PPAR-ID is inexistence or incorrect.

Corrective action:

Check the following points and specify the correct PPAR-ID again.

<All environments>

- Make sure the specified PPAR-ID is correct.

Check if the specified PPAR-ID is correct. If not, specify the correct PPAR-ID again.

<SPARC M10-1, M10-4, M12-1, and M12-2>

Specify "0" to PPAR-ID.

<SPARC M10-4S and M12-2S>

- Make sure the specified PPAR-ID has been defined.

Check the state of PPAR-ID by executing the following command in XSCF.

```
XSCF> showpparstatus -a
```

The PPAR-ID which "-" is displayed in [PPAR status] cannot be specified because it is not defined. Only the PPAR-ID which "Running" is displayed in [PPAR Status] can be specified.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7245 First SSH connection to the XSCF has not been done yet. (node:nodename ipaddress:ipaddress detail:code)

Corrective action:

Connect to XSCF from the cluster node via SSH by using the login user account for the shutdown facility, and complete the user inquiry of the SSH connection first time (such as RSA Key Generation).

Afterwards, execute the following commands on the node where the message is displayed:

- If the error message is displayed during OVM cold migration, restart the OS of the node where the error message was displayed.
- Otherwise, execute the following commands to restart the Shutdown Facility (SF) and the SNMP monitoring agent (MA):

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clsnpmonctl stop
# /etc/opt/FJSVcluster/bin/clsnpmonctl start
# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7500 Cluster resource management facility:internal error. (function:function detail:code1-code2)

Content:

An internal error occurred in the cluster resource management.
function, *code1*, and *code2* indicates information required for error investigation.

Corrective action:

This failure might be attributed to the following:

- The memory resources are insufficient.
- The disk resources are insufficient.

Record this message and collect information for an investigation. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Confirm that the kernel parameter settings are correct by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier.

Check that there is sufficient disk space required for PRIMECLUSTER operation. If necessary, delete any unnecessary files to create sufficient free space, and then restart the system. For information on the amount of required disk space, see the Installation Guide for PRIMECLUSTER, which is provided with each product.

If you still have this problem after going through the above instructions, contact field engineers.

7501 Cluster resource management facility:insufficient memory. (function: *function* detail: *code1*)

Content:

The memory resources are insufficient in the cluster resource management facility.
function, *code1* indicates information required for error investigation.

Corrective action:

Record this message and collect information for an investigation. Then, review the estimate of the disk resource. For the memory required for resource database, see the Installation Guide for PRIMECLUSTER, which is provided with each product. If this error cannot be corrected by this operator response, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7502 Cluster resource management facility:insufficient disk or system resources. (function: *function* detail: *code1*)

Content:

The disk resources or system resources are insufficient in the cluster resource management facility.
function, *code1* indicates information required for error investigation

Corrective action:

Record this message and collect information for an investigation. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Review the estimate of the disk resource and system resource (kernel parameter). If the kernel parameters have been changed, reboot the node for which the kernel parameters have been changed. See "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or the description of "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier.

If this error cannot be corrected by this operator response, record this message, and contact field engineers.

7503 The event cannot be notified because of an abnormal communication. (type: *type* rid: *rid* detail: *code1*)

Content:

The event cannot be notified because of an abnormal communication.
type, *rid* indicates event information and *code1* indicates information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide." After this event is generated, restart all the nodes within a cluster domain.

7504 The event notification is stopped because of an abnormal communication. (type: *type* rid: *rid* detail: *code1*)

Content:

The event notification is because of an abnormal communication.
type, *rid* indicates event information and *code1* indicates information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide." After this event is generated, restart all the nodes within a cluster domain.

7505 The node (*node*) is stopped because event cannot be notified by abnormal communication. (type: *type* rid: *rid* detail: *code1*)

Content:

The node is stopped because event cannot be notified by abnormal communication.
node indicates the node identifier of the node to be stopped, *type*, *rid* the event information, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7506 The node (*node*) is forcibly stopped because event cannot be notified by abnormal communication. (type: *type* rid: *rid* detail: *code1*)

Content:

The node is forcibly stopped because event cannot be notified by abnormal communication.
node indicates the node identifier of the node to be stopped, *type*, *rid* the event information, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7507 Resource activation processing cannot be executed because of an abnormal communication. (resource: *resource* rid: *rid* detail: *code1*)

Content:

The resource activation processing cannot be executed because of an abnormal communication.
resource indicates the resource name for which activation processing was disabled, *rid* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource*) belongs.

7508 Resource (*resource1* resource ID: *rid1*, ...) activation processing is stopped because of an abnormal communication. (resource: *resource2* rid: *rid2* detail: *code1*)

Content:

The resource activation processing is stopped because of an abnormal communication.

resource2 indicates the resource name for which activation processing was not performed, *rid2* the resource ID, *resource1* the resource name for which activation processing is not performed, *rid1* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource2*) belongs.

7509 Resource deactivation processing cannot be executed because of an abnormal communication. (resource:resource rid:rid detail:code1)

Content:

The resource deactivation processing cannot be executed because of an abnormal communication.

resource indicates the resource name for which deactivation processing was not performed, *rid* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource*) belongs.

7510 Resource (resource1 resource ID:rid1, ...) deactivation processing is aborted because of an abnormal communication. (resource:resource2 rid:rid2 detail:code1)

Content:

The resource deactivation processing is aborted because of an abnormal communication.

resource2 indicates the resource name for which deactivation processing was not performed, *rid2* the resource ID, *resource1* the resource name for which deactivation processing is not performed, *rid1* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource2*) belongs.

7511 An error occurred by the event processing of the resource controller. (type:type rid:rid pclass:pclass prid:prid detail:code1)

Content:

An error occurred by the event processing of the resource controller.

type, *rid* indicates the event information, *pclass*, *prid* indicates resource controller information, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node in which the message was displayed.

7512 The event notification is stopped because an error occurred in the resource controller. (type:type rid:rid pclass:pclass prid:prid detail:code1)

Content:

The event notification is stopped because an error occurred in the resource controller.

type, *rid* indicates the event information, *pclass*, *prid* indicates resource controller information, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node in which the message was displayed.

7513 The node(*node*) is stopped because an error occurred in the resource controller. (type:*type* rid:*rid* pclass:*pclass* prid:*prid* detail:*code1*)

Content:

The node is stopped because an error in the resource controller.

node indicates the node identifier of the node to be stopped, *type*, *rid* the event information, *pclass*, *prid* the resource controller information, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7514 The node (*node*) is forcibly stopped because an error occurred in the resource controller. (type:*type* rid:*rid* pclass:*pclass* prid:*prid* detail:*code1*)

Content:

The node is forcibly stopped because an error occurred in the resource controller.

node indicates the node identifier of the node to be forcibly stopped, *type*, *rid* the event information, *pclass*, *prid* the resource controller information, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7515 An error occurred by the resource activation processing (resource:*resource* rid:*rid* detail:*code1*)

Content:

An error occurred by the resource activation processing.

resource indicates the resource name in which an error occurred in the activation processing, *rid* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource*) belongs. An error occurs in the resource activation processing and activation of the resource (*resource*) cannot be performed.

7516 An error occurred by the resource deactivation processing. (resource:*resource* rid:*rid* detail:*code1*)

Content:

An error occurred by the resource deactivation processing.

resource indicates the resource name in which an error occurred in the activation processing, *rid* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource*) belongs. An error occurs in the resource deactivation processing and deactivation of the resource (*resource*) cannot be performed.

7517 Resource (*resource1* resource ID:*rid1*, ...) activation processing is stopped because an error occurred by the resource activation processing. (resource:*resource2* rid:*rid2* detail:*code1*)

Content:

The resource activation processing is stopped because an error occurred by the resource activation processing.

Resource2 indicates the resource name in which an error occurred in the activation processing, *rid2* the resource ID, *resource1* the resource name in which activation processing is not performed, *rid1* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource2*) belongs.

7518 Resource (*resource1* resource ID:*rid1*, ...) deactivation processing is aborted because an error occurred by the resource deactivation processing. (resource:*resource2* rid:*rid2* detail:*code1*)

Content:

The resource deactivation processing is aborted because an error occurred by the resource deactivation processing.

resource2 indicates the resource name in which deactivation processing was disabled, *rid2* the resource ID, *resource1* the resource name in which deactivation processing is not performed, *rid1* the resource ID, and *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After this phenomenon occurs, restart the node to which the resource (*resource2*) belongs.

7519 Cluster resource management facility:error in exit processing. (node:*node* function:*function* detail:*code1*)

Content:

An error occurred in exit processing for the cluster resource management facility.

node indicates the node in which an error occurred and *function*, *code1* the information for investigation.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7520 The specified resource (resource ID:*rid*) does not exist or be not able to set the dependence relation.

Content:

The specified resource does not exist or be not able to set the dependence relation.

rid indicates a resource ID of the specified resource.

Corrective action:

Specify the correct resource, then re-execute the processing.

7521 The specified resource (class:*rclass* resource:*name*) does not exist or be not able to set the dependence relation.

Content:

The specified resource does not exist or be not able to set the dependence relation.
name indicates the specified resource name and *rclass* the class name.

Corrective action:

Specify the correct resource, then re-execute the processing.

7522 It is necessary to specify the resource which belongs to the same node.

Content:

The resource belonging to other node is specified.

Corrective action:

Specify a resource that belongs to the same node and re-execute it.

7535 An error occurred by the resource activation processing. The resource controller does not exist. (resource resource ID:*rid*)

Content:

As the resource controller is not available in the resource processing, resource (*resource*) activation was not performed.
resource indicates the resource name for which activation processing was disabled, and *rid* a resource ID.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7536 An error occurred by the resource deactivation processing. The resource controller does not exist. (resource resource ID:*rid*)

Content:

As the resource controller is not available in the resource deactivation processing, resource deactivation was not performed.
resource indicates the resource name for which deactivation processing could not be performed, and *rid* the resource ID.

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7537 Command cannot be executed during resource activation processing.

Corrective action:

After activation processing of the resource completes, re-execute it. Resource activation processing completion can be confirmed with 3204 message that is displayed on the console of the node to which the resource belongs.

7538 Command cannot be executed during resource deactivation processing.

Corrective action:

After deactivation processing of the resource completes, re-execute it. Resource deactivation processing completion can be confirmed with 3206 message that is displayed on the console of the node to which the resource belongs.

7539 Resource activation processing timed out. (code:*code* detail:*detail*)

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7540 Resource deactivation processing timed out. (code:code detail:detail)

Corrective action:

Record this message and collect information for an investigation. After that, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7542 Resource activation processing cannot be executed because node (node) is stopping.

Content:

As the node *node* to which the resource to be activated belongs is stopped, the resource activation processing cannot be performed.

Corrective action:

After starting up the node to which resource to be activated belongs, re-execute it again.

node indicates the node identifier of the node where the connection is broken.

7543 Resource deactivation processing cannot be executed because node (node) is stopping.

Content:

As the node *node* to which the resource to be deactivated belongs is stopped, the resource deactivation processing cannot be performed. *node* indicates the node identifier of the node where the connection is broken.

Corrective action:

After starting up the node to which resource to be deactivated belongs, re-execute it again.

7545 Resource activation processing failed.

Corrective action:

Refer to the measures in the error message displayed between activation processing start message (3203) and completion message (3204), which are displayed when this command is executed.

7546 Resource deactivation processing failed.

Corrective action:

Refer to the measures in the error message displayed between deactivation processing start message (3205) and completion message (3206), which are displayed when this command is executed.

7601 A failure occurred in the setting of iRMC asynchronous monitoring agent. (detail: detail)

Content:

Failed to set iRMC/MMB in order to perform iRMC asynchronous monitoring agent.

Outputs whether iRMC/MMB setting has failed to detail.

iRMC or MMB of the node where the message was displayed has a failure is possible.

Corrective action:

An error may occur in the hardware failure or the system may be under high load. Check if the following settings are correctly set:

- iRMC/MMB does not have a failure.
- A node is not under high load.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After field engineers carry out the hardware recovery operation, the iRMC asynchronous monitoring agent recovers automatically.

7602 The username or password to login to iRMC is incorrect.

Content:

This message indicates that login is not allowed to iRMC.

Correct action:

The user name or password for logging into the iRMC registered in the cluster system is stored in iRMC is different from the set one. Configure iRMC asynchronous monitoring agent again.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7603 The authority of user to login to iRMC is incorrect.

Content:

This message indicates that iRMC operation cannot be performed because the authority of the user login to iRMC is incorrect.

Corrective action:

The user authority registered to iRMC is incorrect.

Change the user authority using iRMC.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7604 An error has been detected in the transmission route to iRMC.

(node:nodename irmc_ipaddress:irmc_ipaddress node_ipaddress:node_ipaddress)

Content:

This message indicates that an error was detected in the transmission route of iRMC.

Corrective action:

Check the following:

- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is connected to the iRMC port and HUB connectors.
- Whether an incorrect IP address was specified for the iRMC IP address.
- Whether an incorrect IP address was specified for the management LAN IP address that uses shutdown configuration.

If one of the above items is found to be the cause, iRMC asynchronous monitoring agent recovers automatically after the corrective action is taken. Automatic recovery takes up to 10 minutes.

If the connection fails even after the above items are checked, contact field engineers because there may be a network failure or a hardware failure, such as in the MMB of the HUB. If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

After field engineers carry out the hardware recovery operation, the iRMC asynchronous monitoring agent function recovers automatically.

7605 An error has been detected in iRMC.

(node:nodename irmc_ipaddress:irmc_ipaddress node_ipaddress:node_ipaddress detail:detail)

Content:

A communication error occurred due to an error in the iRMC of the node on which the message was displayed.

Corrective action:

An error may occur in the hardware failure, the system may be under high load, or a temporary error due to the setting change of hardware. Check if the following settings are correctly set:

- iRMC does not have a failure.
- MMB does not have a failure (except B model).

- A node is not under high load.
- In the cluster node environment, VGA/USB/rKVMS of Home SB is assigned to any one of the extended partitions of PRIMEQUEST 3000 series (except B model).
- In the cluster node environment, assignment of VGA/USB/rKVMS of SB is changed between extended partitions of PRIMEQUEST 3000 series (except B model). (Automatically recovered from an error after the assignment change is completed.)

Eliminate the cause of the error then wait for 10 minutes, or restart the shutdown facility to check whether TestFailed state is resolved. If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."
After field engineers carry out the hardware recovery operation, the iRMC asynchronous monitoring agent recovers automatically.

7606 The snmptrapd is not running. (detail:detail)

Content:

snmptrapd is not running on the node where the message was displayed.

Corrective action:

snmptrapd must be started on the node where the message is displayed.

If "OS" is output to detail, the snmptrapd service of OS is not running. Start the snmptrapd service. iRMC asynchronous monitoring agent recovers automatically after the snmptrapd service is started.

If "PCL" is output to detail or even if snmptrapd service is started and this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7607 The IP address version of the admin LAN of shutdown facility does not match that of iRMC.

Content:

The format of IP address set in iRMC does not match the IP address set in the shutdown configuration, or VGA/USB/rKVMS of Home SB is not assigned to any one of the extended partitions of PRIMEQUEST3000 series (except B model) in the cluster node environment.

Corrective action:

Perform one of the following:

- Change the IP address of management LAN in the shutdown configuration to the format of IP address set in iRMC.
- Set the IP address format set in the management LAN of the shutdown configuration in iRMC.
- Assign VGA/USB/rKVMS of Home SB to any one of the extended partitions (except B model).

7608 The IP address version of the admin LAN of shutdown facility does not match that of MMB.

Content:

The format of IP address set in MMB does not match the IP address set in the shutdown configuration.

Corrective action:

Perform one of the following:

- Change the IP address of management LAN in the shutdown configuration to the format of IP address set in MMB.
- Set the IP address format set in the management LAN of the shutdown configuration in MMB.

7609 The IPMI service is not running.

Content:

This message indicates that IPMI service is not running.

Corrective action:

Start IPMI service.

Also, if IPMI service is not set to start automatically, change the settings to start automatically.

7610 The authority of user to login to MMB is incorrect.**Content:**

This message indicates that MMB operation cannot be performed because the authority of the user login to MMB is incorrect.

Corrective action:

The user authority registered to MMB is incorrect.

Change the user authority using MMB.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7611 The supported number of the cluster nodes is exceeded. (Max node: *node*)**Content:**

In the cluster system configuration using the extended partitions of PRIMEQUEST3000 series (except B model), the number of the settable cluster nodes exceeds the limit (*node*).

Corrective action:

Reconfigure the system with the settable number (*node*) of cluster nodes.

Chapter 5 CF Messages

This chapter describes the following messages relating to the CF:

- Messages displayed upon execution of CF
- Messages relating to the shutdown facility



See

As for classification of messages, see "[Chapter 1 Message Search Procedure](#)."

5.1 CF Messages



Note

In Solaris environment, a blank line may be inserted after the message starting with "cf:elmlog"; however, it does not affect the system.

This section explains messages displayed upon execution of CF in the alphabetical order. These messages are each classified by Information, Warning, and Error.



Information

The messages listed below are related to failures that occur during initialization of CF. These messages are generated only when a failure occurs to the CF driver or other kernel components. In such a case, contact field engineers (SE).

CF: cf_attach Error: invalid command. (#0425 bad_cmd)

CF: cf_attach Error: invalid instance. (#0425 cf_instance instance)

CF: cf_attach Error: phase 1 init failure. (#reason_code)

CF: cf_attach Error: phase 2 init failure. (#reason_code)

CF: cf_attach Error: unable to create cf minor.

CF: cf_detach Error: invalid instance. (#0425 cf_instance instance)



See

The hexadecimal numbers in the format such as #0407 and attached to many messages are CF reason codes. As for contents of reason codes, see "[Appendix A CF Reason Code Table](#)."

5.1.1 Information Messages; No Corrective Action Required

CF: *clustername: nodename* is Down. (#0000 nodenum)

Content:

This message is generated when a node has left the cluster in an orderly manner (i.e., when cfconfig -u is executed).

cf: elmlog !rebuild complete in 1 lbolt.

Content:

The connection between CF and other nodes has been completed.

cf: elmlog !rebuild starting...

Content:

The messages that start with cf: elmlog !rebuild starting are as follows.

cf: elmlog !rebuild starting due to node joining configuration
cf: elmlog !rebuild starting due to node failure
cf: elmlog !rebuild starting due to administrator request
cf: elmlog !rebuild starting due to configuration disagreement

These messages are output when a node reconfiguration is started.

CF: Giving UP Mastering (Cluster already Running).

Content:

This message is generated when a node detects a join server and joins an existing cluster, rather than forming a new one.

CF: Giving UP Mastering (some other Node has Higher ID).

Content:

This message is generated when a node volunteers to be a join server, but detects an eligible join server with a higher id.

CF: Node *nodename* Joined Cluster *clustername*. (#0000 *nodenum*)

Content:

This message is generated when a node joins an existing cluster.

CF: Node *nodename* Left Cluster *clustername*.(#0000 *nodenum*)

Content:

The node *nodename* left the membership of the cluster *clustername* due to the LEFTCLUSTER event.

CF: Questionable node *<nodeA>* detected by node *<nodeB>*

Content:

Indicates that the specified node has detected another node as 'questionable'. A node is marked questionable when a heartbeat has not been received in 1/2 the cluster timeout value.

CF: Questionable node message received from node *<nodeA>*: *<nodeB>* detected this node as questionable

Content:

Indicates that the specified node has detected that this node is 'questionable'. A node is marked questionable when a heartbeat has not been received in 1/2 the cluster timeout value.

CF: Starting Services.

Content:

This message is generated by CF as it is starting.

CF: Stopping Services.

Content:

This message is generated by CF as it is stopping.

CF: (TRACE): Cfset: CLUSTER_NODEDOWN_HTBTRPLY: DFLT. (#0000 *n1*)

Content:

The message indicates that the default value is set for CLUSTER_NODEDOWN_HTBTRPLY.

CF: (TRACE): Cfset: CLUSTER_NODEDOWN_HTBTRPLY: %s. (#0000 n1)

Content:

The message indicates that the value is set for CLUSTER_NODEDOWN_HTBTRPLY.

CF: (TRACE): Cfset: CLUSTER_TIMEOUT: %s. (#0000 n1)

Content:

The message indicates that the value is set for CLUSTER_TIMEOUT.

CF: (TRACE): Cfset: CLUSTER_FORCE_PANIC_TIMEOUT: %s. (#0000 n1)

Content:

The message indicates that the value is set for CLUSTER_FORCE_PANIC_TIMEOUT.

CF: (TRACE): Cfset: CLUSTER_IP_CTRL_TOS: %s. (#0000 n1)

Content:

The message indicates that the value is set for CLUSTER_IP_CTRL_TOS.

CF: (TRACE): Cfset: CLUSTER_IP_DATA_TOS: %s. (#0000 n1)

Content:

The message indicates that the value is set for CLUSTER_IP_DATA_TOS.

CF: (TRACE): Cfset: CLUSTER_IP_TTL: %s. (#0000 n1)

Content:

The message indicates that the value is set for CLUSTER_IP_TTL.

CF: (TRACE): Cfset: CLUSTER_TIMEOUT: DFLT. (#0000 n1)

Content:

The message indicates that the default value is set for CLUSTER_TIMEOUT.

CF: (TRACE): Cfset: CLUSTER_FORCE_PANIC_TIMEOUT: DFLT. (#0000 n1)

Content:

The message indicates that the default value is set for CLUSTER_FORCE_PANIC_TIMEOUT.

CF: (TRACE): Cfset: CLUSTER_IP_TTL: DFLT. (#0000 n1)

Content:

The message indicates that the default value is set for CLUSTER_IP_TTL.

CF: (TRACE): Cfset: CLUSTER_IP_CTRL_TOS: DFLT. (#0000 n1)

Content:

The message indicates that the default value is set for CLUSTER_IP_CTRL_TOS.

CF: (TRACE): Cfset: CLUSTER_IP_DATA_TOS: DFLT. (#0000 n1)

Content:

The message indicates that the default value is set for CLUSTER_IP_DATA_TOS.

CF: (TRACE): CFSF: Device close.

Content:

Indicates SF (Shutdown Facility) successfully closed CF device.

CF: (TRACE): CFSF failure detected: no SF open: passed to ENS: *nodename*. (#0000 M)

Content:

Indicates that a LEFTCLUSTER event occurred, but SF (Shutdown Facility) does not have the CF device open. The LEFTCLUSTER will be handled by CF.

CF: (TRACE): CFSF failure detected: queued for SF: *nodename*. (#0000 M)

Content:

Indicates a LEFTCLUSTER event occurred and the event is being delivered to SF (Shutdown Facility).

CF: (TRACE): CFSF failure handoff to SF: %s. (#0000 n1)

Content:

Indicates that CF notified SF (Shutdown Facility) of a node LEFTCLUSTER event, so SF can process the event.

CF: (TRACE): CFSF: interrupted wait. (#xxxx)

Content:

Indicates SF (Shutdown Facility) has interrupted its wait for event processing, most likely in preparation of stopping.

CF: (TRACE): CFSF leftcluster broadcast: %s. (#0000 n1)

Content:

Indicates the LEFTCLUSTER event is being broadcast to all the nodes in the cluster.

CF: (TRACE): CFSF leftcluster received: removing new: *nodename*. (#0000 M)

Content:

Indicates a LEFTCLUSTER event was received and there were other pending events queued.

CF: (TRACE): CFSF leftcluster received: removing pending: *nodename*. (#0000 M)

Content:

The LEFTCLUSTER event was received from the node *nodename* and the entry of this node will be removed from the SF processing list.

CF: (TRACE): CFSF leftdown combo broadcast: %s. (#0000 n1)

Content:

Indicates the LEFTDOWN event is being broadcast to all the nodes in the cluster.

CF: (TRACE): CFSF nodedown broadcast: %s. (#0000 n1)

Content:

Indicates the nodedown event is being broadcast to all the nodes in the cluster.

CF: (TRACE): CFSF node leaving cluster failure passed to ENS: *nodename*. (#0000 M)

Content:

Information message.

CF: (TRACE): CFSF: Pending failure for node down broadcast. (#xxxx n1)

Content:

Indicates that a node-down event was received, but there is still a LEFTCLUSTER event pending that will be processed first.

CF: (TRACE): CFSF: Successful open.

Content:

Indicates SF (Shutdown Facility) successfully opened CF device.

CF (TRACE): EnsEV: Shutdown

Content:

Indicates that the ENS event daemon is stopping.

CF (TRACE): EnsND: Shutdown

Content:

Indicates that the ENS node daemon is stopping.

CF (TRACE): Icf: Route UP: node src dest (#0000 nodenum route_src route_dst)

Content:

This message is generated when an ICF route is activated again.

Corrective action:

This message may be generated by the temporary high load on CPU. The heartbeat will return to its normal operation when the load is reduced. You can usually ignore this message if the high CPU load lasts for only a short time.

CF: (TRACE): Join Client: Setting cluster initialization timestamp.

Content:

Information message.

CF: (TRACE): Join Master: Setting cluster initialization timestamp.

Content:

Information message.

CF (TRACE): JoinServer: Stop

Content:

This message is generated when the join server is stopped.

CF (TRACE): JoinServer: Startup

Content:

This message is generated when the join daemon is started.

CF (TRACE): JoinServer: ShutDown

Content:

This message is generated when an active join daemon shuts down.

CF: (TRACE): Icf: Link+Route UP: node src dest. (#0000 n1 n2 n3)

Content:

Indicates the specified route has transitioned from DOWN to UP as a result of the cluster interconnect getting a link UP.

CF (TRACE): Load: Complete**Content:**

This message is generated when a CF initialization is complete.

CF: (TRACE): *nodename*: detected as a questionable node.**Content:**

Indicates the specified node has not responded to heartbeats in 1/2 the cluster timeout value. If the cluster timeout value is set to the default of 10 seconds, this message will occur when no heartbeats are received from the specified node in 5 seconds.

CF: (TRACE): *nodename*: heartbeat reply received: Stopping requested heartbeat.**Content:**

A heartbeat to check the status of a node *<nodename>* is stopped.

The message indicates that the node is alive.

CF: (TRACE): Starting requested heartbeat for node: *nodename*.**Content:**

A heartbeat to check the status of a node *<nodename>* is started.

CF: (TRACE): Starting voluntary heartbeat for node: *nodename*.**Content:**

A heartbeat to check the status of a node *<nodename>* is started.

cfregd normal termination**Content:**

Indicates the cfreg daemon has stopped normally.

cip: configured *cipN* as *Addr*.**Content:**

CF is started with the CIP interface *cipN* set to IP address *Addr*.

Deleting server *nid %d* from domain *%d***Content:**

During ELM rebuild post node-down processing, a non-existent lock server was found, so the server is being deleted from the server pool.

duplicate remote file copy request**Content:**

This is a notice message that indicates that remote file copying is redundantly performed by using cfcp.

!rebuild cluster: reason: *%s***Content:**

Indicates ELM (enhanced lock manager) is rebuilding its lock tables.

subsequent remote file copy request with stale handle**Content:**

Remote file copy with cfcp failed due to invalid usage of cfcp.

5.1.2 Information Messages; Corrective Action Required

block %x, obj %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cf: elmlog ELM:001: cluster size n

Content:

The CF is connected as n-node.

This message is displayed when a node constituting the cluster system joins the cluster system.

Corrective action:

This message is not output for a system under continuous operation. If this message appears on a continuously operating system, it means that the node is stopped or started for some reasons. If the node is stopped or started unintentionally, the cause should be isolated.

CF: (TRACE): CFSF: Duplicate open attempt. (#xxxx)

Content:

SF (Shutdown Facility) already has the device open, and a second open was attempted.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: (TRACE): CFSF: Invalid event for broadcast. (#xxxx n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: (TRACE): CFSF: Invalid nodeid for broadcast. (#xxxx n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: (TRACE): Link is DOWN for device: <devicename>. (#0000 N)

Content:

Indicates the specified cluster interconnect transitioned from link UP to DOWN.

Corrective action:

Determine why the cluster interconnect is transitioning from link UP to DOWN. If no causes were found, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: (TRACE): Link is UP for device: <devicename>. (#0000 M)

Content:

Indicates the specified cluster interconnect transitioned from link DOWN to UP.

Corrective action:

If the message is continuously output, investigation should be done to determine why the link on the cluster interconnect is transitioning between UP and DOWN. If no causes were found, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

close failed: bad handle %x type=0x%x val=0x%x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

config nack failed: NOSPACE, state %s stage %s

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

config nreq %s to %d: NOBIGBUFF

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Deleting mlock during remaster: %x %x %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

dir nreq failed: NOSPACE: dnode: %d

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM:0003: rebuild: state: %d stage: %d NOSPACE

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM:0004: %d DISAGREE (nack) from %d Im_visible: 0x%x 0x%x 0x%x 0%x

Content:

Indicates that the cluster membership is changed and an ELM (enhanced lock manager) lock table is not rebuilt. The rebuild will be attempted again until it is successfully completed.

Corrective action:

If the message is continuously output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM:0006: %d DISAGREE (nreq) Im_visible: 0x%x 0x%x 0x%x 0%x nreq: 0x%x 0x%x 0x%x 0x%x from %d

Content:

Indicates that the cluster membership is changed and an ELM (enhanced lock manager) lock table is not rebuilt. The rebuild will be attempted again until it is successfully completed.

Corrective action:

If the message is continuously output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM: destroying inactive resource %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM: invalid query paramater

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

elm_mrpc_configure failed, reason=#%lx

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

elm_mrpc_register failed, reason=#%lx

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM: Multiple rdomains for one resource %lx, %lx, %lx

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM: query 0x%x from %d failed, reason: 0x%x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM: Running out of recovery domains!

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ELM: Unknown query 0x%x from nid %d

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

fixup failed: bad handle %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

freeze failed: bad resource handle 0x%x\ntype=0x%x status=0x%x mlockp=0x%x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

handle failed: bad handle %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

instance of cfregd already running

Content:

Indicates a start of cfreg daemon was attempted, but cfreg daemon is already running.

Corrective action:

If cfregd is being started manually, first stop cfregd. For the specifications of cfregd, refer to the manual page of cfregd. If cfregd was not started manually, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Invalid ELM domain for server: %d, ignored.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Ifreeze failed: NOSPAC for msg buffers

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Ifreeze from %d failed: lock closed %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

lk_srv_cancel_nack: stale cv_cid %d for lock %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

lk_srv_notify_nack: Stale procp for lock %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

lk_swap_config_nreg: unknown convert stage: %d

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

lock_destroy_failed: NOSPSPACE for dir close

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

look_new: kdomain %x has rdomainp %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

mopen/convert failed: bad handle %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

mopen failed: bad handle %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

mopen failed: %x %x: NOSPSPACE for msg buffers

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

mopen master lock open failed : MAXLOCK

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

plock destroy failed: bad lock %x %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

plock destroy failed: NOSPSPACE for msg buffers

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rdomain failed: NOSPSPACE for msg buffers

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rdomain procp: %x exit, msgp: %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rdomainp %x != NULL for kernel domains

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Rdomains: %lx and %lx for one single resource %lx

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rebuild failed: NOSPACE for config_nreq, nid=%d

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rebuild_pconvert_start: NOSPACE, state %s

Content:

Indicates ELM (enhanced lock manager) block allocation failed due to insufficient resources.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Recovery was not registered yet: rdomainp %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

refopened %x %x convert failed: NOSPACE

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

refopen failed: MAXLOCK

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

resp %x: Bad resource type or rdomain

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rfreeze failed: bad directory handle %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rfreeze failed: NOSPACE for msg buffers

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rm_sequence failed: NOSPACE for msg buffers

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Running out of recovery domains

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

send_cancel_cack_queue: invalid procp %x for lock %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

send_convert_cack: bad procp: %x for lock %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

send_queue: invalid proc: %x for lock %x

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

unfreeze failed: bad res handle %x from %d

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

val nreq gq: lock %x closed

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

value failed: bad handle %x from %d

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

value failed: NOSPSPACE for msg buffers

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

5.1.3 Warning Messages

CF: A node reconfiguration event has occurred on cluster node: %s.

Content:

A node reconfiguration event has occurred on the specified node. This message is displayed when an extra node is added or other reconfiguration event has occurred.

Corrective action:

No action is required.

CF: carp_event: bad nodeid (#0000 nodenum)

Content:

This message is generated by CIP when a bad nodenum is received.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: carp_event: Warning: CARP: Node %d trying to be our CIP address %d.%d.%d.%d. (#0000 n1 n2 n3 n4)

Content:

On the displayed node, the CIP address of CARP (CIP APR daemon) is the same as the CIP address of this node.

Corrective action:

Correct the redundant CIP address and restart CF.

CF: cf_cleanup_module: defer work element still in use

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cf_cleanup_module: input work element still in use

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cflog: Check the keywords in the format specified. (#xxxx n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: cfng_unpack_def: nsi_getarrcnt failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: cfng_unpack_def: nsi_setarrcnt failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: cfng_unpack_def: nsi_unpack failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: cfng_unpack_grpname: failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_create: cfng_unpack_def failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_create: group already exists. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_delete: cfng_unpack_def failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_delete: group does not exist. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_eventd: nsi_setarrcnt failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_op_done: cfng_unpack_def failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_replace: cfng_unpack_def failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng Error: ng_replace: failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng: ng_delete_all Error: %s. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng: ng_eventd: nsi_pack failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng: ng_eventd: nsi_size failed. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfng: ng_node_change: failed to get name from node id. (#xxxx)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfset Error: linux_ioctl: not enough memory to return values.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfset Error: linux_ioctl: OSD_copy_from_user fails.

Content:

A buffer copy from userspace to kernelspace has failed.

Corrective action:

Check for an associated OS error and correct problem if possible. If OS problem is corrected, restart CF. If OS problem not identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cfset Error: linux_ioctl: OSD_copy_to_user fails.

Content:

A buffer copy from kernelspace to userspace has failed.

Corrective action:

Check for an associated OS error and correct problem if possible. If OS problem is corrected, restart CF. If OS problem not identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Cfset: Invalid value for CLUSTER_NODEDOWN_HTBTRPLY, setting to ON: %s. (#0000 n1)

Content:

The value set for CLUSTER_NODEDOWN_HTBTRPLY in /etc/default/cluster.config is invalid.

Corrective action:

Set the valid value for CLUSTER_NODEDOWN_HTBTRPLY in /etc/default/cluster.config. Apply this value to the CF module by cfset command.

CF: Cfset: Invalid value for CLUSTER_TIMEOUT, setting to 1: %s. (#0000 n1)

Content:

The value set for CLUSTER_TIMEOUT in /etc/default/cluster.config is invalid.

Corrective action:

Set the valid value for CLUSTER_TIMEOUT in /etc/default/cluster.config. Apply this value to the CF module by cfset command.

CF: cftool -k may be required for node: %s.

Content:

A node is trying to join the cluster, but has not yet been declared DOWN.

Corrective action:

If SF (Shutdown Facility) is not running, a 'cftool -k' may be required to transit the specified node to a DOWN state. If SF is running, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: CF-force-panic timeout: requires CFSF is not running.

Content:

Indicates CF is running in Debug mode and a forced panic was attempted, but SF (Shutdown Facility) cannot be activated in this mode.

Corrective action:

CF should not be in the Debug mode unless instructed by field engineers.

CF: cip: Failed to register ens EVENT_CIP

Content:

This message is generated when failed in registration of the function executed upon ENS event EVENT_CIP generation during CIP initialization.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cip: Failed to register ens EVENT_NODE_LEFTCLUSTER

Content:

This message is generated when failed in registration of the function executed upon ENS event EVENT_NODE_LEFTCLUSTER generation during CIP initialization.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cip: Failed to register icf channel ICF_SVC_CIP_CTL

Content:

This message is generated when failed in registration of the function to ICF service ICF_CIP_CTL during CIP initialization.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: cip: message SYNC_CIP_VERSION is too short

Content:

This message is generated when CIP receives a garbled message.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Damaged raw icf packet detected in JoinGetMessage: dropped.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: device %s ineligible for CF use. Now "enslaved" to a bonding driver.

Content:

During CF initialization the specified CF cluster device was found to be inadequate. The device is already used' by another driver.

Corrective action:

Check the configuration for the specified device. It is not valid to use a device for a cluster interconnect if that device is used by another driver.

CF: device %s: link is %s

Content:

During CF initialization, the current link state of the cluster interconnect is reported.

Corrective action:

No action is required.

CF: ELM init: : %s.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cf: eventlog CF: Problem detected on cluster interconnect *device-name* to node *nodename*: missing heartbeat replies.

Content:

The heartbeat between CF's has discontinued. It is possible that communications cannot be done because of hardware failure of the network connected to the cluster.

Corrective action:

Replace the LAN card or the cable to remove the hardware breakdown cause.

CF: lcf: Xmit timeout: flush svcq.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Initialization failed. Error: No network interface devices found.

Content:

During CF initialization phase, no network devices were found. CF cannot complete initialization.

Corrective action:

Determine if there are any network devices on the node. If network devices are present, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Initialization failed. Error: Unsupported network interface devices found.

Content:

The name of the network device created and used by PRIMECLUSTER has already been existed.

Corrective action:

Check if the name of the network device "cipX (X is a number from 0 to 7)" exists on the node. If it exists, change the name to other than "cipX."

CF: Join Aborted: *nodename1* or *nodename2* must be removed from cluster.

Content:

Two nodes in the cluster have the same node ID.

Corrective action:

Recheck the cluster configuration and then configure the nodes in the cluster again to avoid duplicate node IDs. After that, restart the CF.

CF: Join Aborted: Duplicate nodename *nodename* exists in cluster *clustername*.

Content:

The join processing cannot complete due to another node in the cluster having the same nodename.

Corrective action:

Determine why multiple nodes in the cluster have the same nodename, fix the problem, and restart CF.

CF: Join client *nodename* timed out. (#0000 nodenum)

Content:

This message is output on a node, which is a join server, when no response is received from a client node for a certain period of time. In this case, the client node has not joined a cluster.

Corrective action:

Restart the client node to check if the error is solved.

If the error is not solved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Join Error: Attempt to send message on unconfigured device. (#0000 n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Join Error: Invalid configuration: another node has a device with a duplicate address.

Content:

Another node in the cluster is using the same internal unique node ID.

Corrective action:

This is most likely due to multiple cluster nodes having the same MAC address for a cluster device. Generally occurs if a virtual device is incorrectly configured. Correct the problem and restart CF.

CF: Join Error: Same node ID for *nodename1* and *nodename2* in same cluster. (#0000 n1)

Content:

Two nodes in the cluster have the same node ID..

Corrective action:

Recheck the cluster configuration and then configure the nodes in the cluster again to avoid duplicate node IDs. After that, restart the CF.

CF: Join Read Config Error: internal configuration error.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Join Server Reply Error: Attempt to send message on unconfigured device. (#0000 n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: MTU mismatch found on cluster interconnect *devname* to node *nodename*.

Content:

The specified cluster interconnect has a different MTU (maximum transmission unit) on this cluster node compared to the peer cluster node.

Corrective action:

Correct the problem with the device(s) which have mismatched MTUs and restart CF.

CF: No join servers found.

Content:

This message is generated when a node cannot detect any nodes willing to act as a join server.

Corrective action:

If no other active nodes exist, no corrective action is required. In other cases, check the network configuration.

If the network configuration is correct, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: *nodename*: busy serving another client: retrying.

Content:

The server *nodename* cannot accept the join request from this client node because it is currently executing the join processing of another client node. The client node will retry joining the cluster later.

Corrective action:

As it is an information message, no action is required. If retries repeated several times in vain, however, check the network configuration. If possible, reboot each cluster node to see whether the problem is cleared. If the problem cannot be solved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: *nodename* Error: local node has no route to node: join aborted.

Content:

This message is generated when a node is attempting to join a cluster, but fails to detect a route to one or more nodes that are already members of the cluster.

Corrective action:

Check the network configuration.

CF: *nodename* Error: no echo response from node: join aborted.

Content:

This message is generated when a node is attempting to join a cluster, but is having difficulty communicating with all the nodes in the cluster.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: *OSD_allocate_memory*: Warning, vmalloc failure...retrying (%d %d)

Content:

The CF memory allocator is having unexpected failures when requesting kernel memory using the vmalloc interface. The memory request will be retried.

Corrective action:

Check for associated OS messages indicating depletion of OS memory. It may be necessary to reboot the node to correct the problem with kernel memory depletion.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: *OSD_defer_work_element_alloc*: no free work_elements

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: *OSD_defer_work_element_alloc*: no more work_elements, never should be here

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: OSD_iwork_element_alloc: no free work_elements**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: OSD_iwork_element_alloc: no more work_elements, never should be here**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Problem detected on cluster interconnect *devicename* to node *nodename* : ICF route marked down.**Content:**

The ICF route is closed, as delay of communications using ICF failed five consecutive times.

Corrective action:

Replace the LAN card or the cable to remove the hardware breakdown cause.

CF: Received out of sequence packets from join client: *nodename***Content:**

This message is generated when a node, acting as a join server, is having difficulty communicating with the client node. Both nodes will attempt to restart the join process.

Corrective action:

No action is required.

CF: route ignored on local device: %s. (#0000 n1 n2 n3)**Content:**

The specified cluster interconnect has a different MTU (maximum transmission unit) on this cluster node compared to the peer cluster node.

Corrective action:

Correct the problem with the device(s) which have mismatched MTUs and restart CF.

CF: Route recovery on *devname* to node *nodename*. (#xxxx n1 n2 n3 n4)**Content:**

This message indicates that a new network was discovered to a displayed cluster node because an extra network was added or the network error is resolved, and the new network is now being used.

Corrective action:

No action is required.

CF: *servername*: ...**Content:**

There are the following messages that begin by "CF: *servername*:"

CF: *servername*: busy: cluster join in progress: retrying
CF: *servername*: busy: local node not DOWN: retrying
CF: *servername*: busy mastering: retrying
CF: *servername*: busy serving another client: retrying
CF: *servername*: local node's status is UP: retrying
CF: *servername*: new node number not available: join aborted

These messages are generated when a node is attempting to join a cluster, but the join server is busy with another client node. (Only one join may be active in/on the cluster at a time.) Another reason for this message to be generated is that the client node is currently in LEFTCLUSTER state. A node cannot re-join a cluster, unless its state is DOWN. (For details on the " cftool -k" command, see the manual pages of "cftool".)

Corrective action:

If the client node is in the LEFTCLUSTER state, change to the DOWN state. For details on the " cftool -k" command, see the manual pages of "cftool". In other cases, no action is required.

CF: socket refcnt less than initialized value: ignored. (#0000 n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: symsrv loadsyms Error: failure to upload symsrv semaphore function table. (#0000 n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: this node attempting to declare itself failed: ignored.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: this node attempting to declare itself questionable: ignored.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: unexpected icfip_sock_data_ready call: ignored.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: unexpected icfip_sock_destruct call: ignored. (#0000 n1)

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: unexpected icfip_sock_error_report call: ignored.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: unexpected icfip_sock_state_change call: ignored.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: unexpected icfip_sock_write_space call: ignored.

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Unknown log event: strings: %s, %s

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: User level event memory overflow: Event dropped (#0000 eventid)

Content:

This message is generated when an ENS user event is received, but there is no memory for the event to be queued.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: WARNING: a new symsrv driver will be used upon system reboot.

Content:

The symsrv driver that is loaded in the kernel is an old version that does not match the current CF driver. A new symsrv driver will be used after the system is rebooted.

Corrective action:

Reboot the node so that the new symsrv driver will be loaded.

CF: WARNING: an old version of the symsrv driver is being used.

Content:

The symsrv driver that is loaded in the kernel is an old version that does not match the current CF driver. This is most likely due to installing a CF patch while the symsrv driver was still loaded in the kernel.

Corrective action:

Reboot the node so that the new symsrv driver will be loaded.

CF: WARNING: cfconfig command execution will not be synchronized.

Content:

The symsrv driver that is loaded in the kernel is an old version that does not match the current CF driver. Execution of the cfconfig command will not be synchronized.

Corrective action:

Reboot the node so that the new symsrv driver will be loaded.

CF: %s: busy: a node is leaving cluster: retrying.

Content:

This node is joining the cluster and the join master has responded that it is currently busy processing a node leaving the cluster operation. The join will be retried.

Corrective action:

No action is required.

CF: %s: busy: node down processing in progress: retrying.

Content:

A destination node is in stop processing. The connection will be retried.

Corrective action:

No action is required.

CF: %s: device not found.

Content:

During CF initialization the specified device was not found.

Corrective action:

Check the CF configuration that the specified cluster devices are valid and restart CF.

CF: %s: missed echo responses: retrying.**Content:**

A connection between nodes failed. The connection will be retried.

Corrective action:

A network communication error is caused by a high load state or the network itself has problems. No corrective action is required if the connection is completed after retry.

When the connection fails again after retry, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: %s: Node down in progress. Joins retry until node down complete.**Content:**

When a node within the cluster is under stop processing, this node cannot join the cluster. The node has to wait to join the cluster until it is completely stopped.

Corrective action:

No action is required.

CF: %s: Node leaving cluster. Joins retry until node leaves cluster.**Content:**

When a node within the cluster is under stop processing, this node cannot join the cluster. The node has to wait to join the cluster until it is completely stopped.

Corrective action:

No action is required.

CF: %s: Node trying to join cluster but not declared DOWN.**Content:**

A node is trying to join the cluster, but has not yet been declared DOWN.

Corrective action:

If SF (Shutdown Facility) is not running, a 'cftool -k' is required to transit the specified node to a DOWN state. If SF is running, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cf_register_ioctls: %d errors**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cf_unregister_ioctls: %d errors**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cip: Add device %s does not support multicast (0x%x)

Content:

The specified device does not support multicast.

Corrective action:

Check the specified device to determine if it is faulty or misconfigured.

cip: Device %s does not support multicast (0x%x)

Content:

The specified device does not support multicast.

Corrective action:

Check the specified device to determine if it is faulty or misconfigured.

cip: failed to allocate memory for device.

Content:

During CIP module initialization allocation of memory failed.

Corrective action:

A memory allocation error or other OS error may be the cause of this error. To solve the problem, search the OS error that indicates why memory requirements by OS failed. If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cip: Msg size %d exceeds mtu %d

Content:

This message indicates that the upper-layer protocol (IP) attempted to send a packet that is larger than the CIP device MTU.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cip: NULL in_dev for unit %d

Content:

Information message.

Corrective action:

No action is required.

cip: Only ETH_P_IP type packet is supported.

Content:

Non-IP packet was sent to CIP.

Corrective action:

No action is required.

cip: receiving multicast address requests of invalid size (%d, %d)**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cip: Strange socket buffer. Insufficient room.**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cluster interconnect is not yet configured.**Content:**

During CIP initialization, no valid cluster interconnects were detected. Available.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

create_dev_entry for %s: %s got 0x%08x**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to Register the CF driver (rc=0x%08x)**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

linux_setconf: no configured netinfo devices found**Content:**

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSD_lock_user_memory: NOT IMPLEMENTED

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSD_NET_one_device_detach: invalid device index

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSD_SYS_create_device failed to create cip.

Content:

During CIP module initialization the device creation failed.

Corrective action:

A memory allocation error or other OS error may be the cause of this error. To solve the problem, search the OS error that indicates why memory requirements by OS failed. If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSD_unlock_user_memory: NOT IMPLEMENTED

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

size of base data structures do not match!!! cannot load!!! exiting...

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! ifreq size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! in_device size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! in_ifaddr size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! net_device size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! packet_type size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! rwlock_t size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! semaphore size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! sk_buff size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! spinlock_t size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! timer_list size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Warning!!! wait_queue_head_t size is different

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

5.1.4 Error Messages

cannot get data file configuration : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact our field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

**cfconfig: dl_bind: DL_SYSERR error
cfconfig: get_net_dev: dl_bind failed: /dev/<network interface name>**

Content:

This is a message that is output when there is a network interface where CF cannot be used.

Corrective action:

No action is required if a message is output under the following environments when the OS in the global zone where the CF has not been set is restarted.

- Oracle Solaris kernel zone environment
- Oracle Solaris zone environment with an exclusive IP zone configuration network in the non-global zone

If this message is output in other cases than the above, record the message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfrecon: dl_bind: DL_SYSERR error
cfrecon: get_net_dev: dl_bind failed: /dev/<network interface name>

Content:

This is a message that is output when there is a network interface where CF cannot be used.

Corrective action:

No action is required if a message is output when any of cfrecon -s, fjsnap, and fjqss_collect commands is executed in the global zone under the following environments.

- Oracle Solaris kernel zone environment
- Oracle Solaris zone environment with an exclusive IP zone configuration network in the non-global zone

If this message is output in other cases than the above, record the message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfset: cfset_getconf_kernel: malloc failed : '#xxxx: %s : %s

Content:

Memory allocation failed during cfset processing.

Corrective action:

Determine why OS memory is depleted resulting in memory allocation failures.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfset: /etc/default/cluster.config is not loaded successfully : '#xxxx: %s : %s

Content:

The cfset command was executed by using the option-r to load the value again from /etc/default/cluster.config file to the kernel. The operation failed.

Corrective action:

Allocation failure of OS resources due to insufficient memory or other causes is the cause of the error. Check additional messages that show the root cause of the error, to find a solution.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfset_get_conf: malloc failed

Content:

Memory allocation failed during cfset processing.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: carp_broadcast_version: Failed to announce version cip_version**Content:**

This message will occur if CIP fails to initialize successfully, caused by mismatch between CIP and CF.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: ens_nicf_input Error:unknown msg type received. (#0000 msgtype)**Content:**

This message is generated by ENS when a garbled message is received from ICF. The message is dropped.

Corrective action:

As it is an information message, no action is required. However, confirm no other messages are generated before or after this message.

CF: Icf Error: (service err_type route_src route_dst). (#0000 service err-type route_src route_dst)**Content:**

Communications by CF heartbeat have been failed.

Corrective action:

The heartbeat will return to its normal operation when the load is reduced. The heartbeat will return to its normal operation when the load is reduced. You can usually ignore this message if the high CPU load lasts for only a short time.

CF: Join Error: Invalid configuration: asymmetric cluster.**Content:**

This message is generated when a node is joining a cluster that has a active node that does not support asymmetric clustering, and has configured an incompatible (asymmetric) set of cluster interconnects.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF: Join Error: Invalid configuration: multiple devs on same LAN.**Content:**

This message is generated when a node is attempting to join or form a cluster. Multiple network interconnects cannot be attached to the same LAN segment.

Corrective action:

Change the network configuration or the interconnect device so that different LAN segments are allocated to respective inter-connects.

CF: Join postponed: received packets out of sequence from servername.**Content:**

This message is generated when a node is attempting to join a cluster, but is having difficulty communicating with the node acting as the join server. Both nodes will attempt to restart the join process.

Corrective action:

No action is required.

CF: Join postponed, server servername is busy.

Content:

This message is generated when a node is attempting to join a cluster, but the join server is busy with another client node. (Only one join may be active in/on the cluster at a time.) Another reason for this message to be generated is that the client node is currently in LEFTCLUSTER state. A node cannot re-join a cluster, unless its state is DOWN. (For details on the " cftool -k" command, see the manual pages of "cftool".)

Corrective action:

If the client node is in the LEFTCLUSTER state, change to the DOWN state.
For details on how to change the state, for details on the " cftool -k" command, see the manual pages of "cftool". In other cases, no corrective action is required.

CF: Join timed out, server *servername* ...

Content:

There are the following messages that begin with "CF: Join time out, server *servername*."

CF: Join timed out, server *servername* did not send node number:retrying.

CF: Join timed out, server *servername* did not send nsm map: retrying.

CF: Join timed out, server *servername* did not send welcome message.

These messages are generated when a node is attempting to join a cluster, but is having difficulty communicating with the node acting as the join server. The join client node will attempt to continue the join process.

Corrective action:

This is an information message. Thus, no corrective action is required. However, when several retries fail to join a cluster check the network configuration. If possible, reboot each cluster node to see if the problem is cleared. If above actions do not help you solve the problem, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

**CF: Local node is missing a route from node:*nodename*
CF: missing route on local device:*devicename***

Content:

These messages are generated when an asymmetric join has occurred in a cluster, and the local node is missing a route to the new node. The *nodename* and *devicename* of the associated cluster interconnect are displayed, in case this is not the desired result.

Corrective action:

To solve the problem, check if LANs (NIC, cables, and switches) that configure cluster interconnects have no problem.
Reboot the node once the error is solved.

CF: Local Node *nodename* Created Cluster *clustername*. (#0000 *nodenum*)

Content:

This message is generated when a node forms a new cluster.

Corrective action:

No action is required.

CF: Local Node *nodename* Left Cluster *clustername*.

Content:

This message is generated when a node leaves a cluster.

Corrective action:

No action is required.

cf:mipc : ib_available gethostbyname: No such file or directory**Content:**

This is the debug message that is generated in the RAC environment when the CF node name is different from `uname -n`.

Corrective action:

To avoid display of this message, register the CF node name to `/etc/inet/hosts`.

CF: This kernel version is not supported.**Content:**

This message is output when CF does not support the kernel version of the OS.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF (TRACE): cip: Announcing version *cip_version***Content:**

This message is generated when a CIP initialization is complete.

Corrective action:

No action is required.

check_matching_key: malloc failed**Content:**

During CF cfset processing, the configuration lookup failed due to a memory allocation failure.

Corrective action:

To solve the problem, check if an OS error that indicates why memory requirements by OS failed exists. You may need to reboot the node to recover OS memory. If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cluster file last updated by %s on node %s at %.24s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cluster is using empty data file**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cms_ack_event failed : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cms_post_event failed: check commit event : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

commit event received without active transaction

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

compare error: key read "%s", expected key "%s"

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

compare error: key "%s" entry size = %d, expected size %d

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

configuration not set for remote execution request: src node %d: cmd = %s

Content:

A cfsh configuration is not set for remote command execution.

Corrective action:

Add the following entry to /etc/default/cluster.config file:


```
CFSH "cfsh"
```

Reload the values using 'cfset -r' or restart CF then retry cfsh command.

configuration not set for remote file copy request

Content:

File copy requirements by cfcp command failed on a remote node. CFPCP setting variable is not set for /etc/default/cluster.config.

Corrective action:

Add the following entry to /etc/default/cluster.config file:

```
CFPCP "cfcp"
```

Reload the values using 'cfset -r' or restart CF then retry cfsh command.

control event notification failed

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

corrupt file entry: key "%s" : #xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

corrupt sync data: key "%s": #xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

data compare error: key "%s"

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

data file closed during sync

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

data file closed during transaction

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

data/temp file closed during update

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

duplicate name %s: line %d: ignored

Content:

During CF cfset processing of the /etc/default/cluster.config file, an invalid entry was found. A duplicate entry was found.

Corrective action:

Correct the specified invalid entry in /etc/default/cluster.config file and restart CF.

empty sync reply without EOF

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ENS events dropped

Content:

An internal error occurred during the cfreg daemon process.. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

error setting data file gen num : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

expected EOF

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to associate user event (index = %d) : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to chmod remote file copy tmp file : '#xxxx: %s : %s

Content:

Remote file copy failed. This is because executing chmod command could not change the permission mode of a temporary file in a destination directory to be equal to the permission mode of a source file.

Corrective action:

Check the temporary file in the destination directory to find an OS error that indicates why chmod command was not executed successfully.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to chown remote file copy tmp file : '#xxxx: %s : %s

Content:

Remote file copy failed. This is because executing chmod command could not change the owner and the group of a temporary file in a destination directory to be equal to the owner and the group of a source file.

Corrective action:

Check the temporary file in the destination directory to find an OS error that indicates why chmod command was not executed successfully.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to close remote file copy tmp file : '#xxxx: %s : %s

Content:

Remote file copy failed because a temporary file in a destination directory was not closed successfully.

Corrective action:

Check the temporary file in the destination directory to find an OS error that indicates why the temporary file was not closed successfully.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to end daemon transaction : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to find signaled event (index = %d)**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to get daemon request : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to get ENS event (index = %d) : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to get node details : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to get node id : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to get node name : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to handle left cluster : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to init user event (index = %d) : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to open remote file copy tmp file : '#xxxx: %s : %s

Content:

.A temporary file in a destination directory was not opened successfully during remote file copying.

Corrective action:

Make sure you have the write permission as a root user for the temporary file in the destination directory. To solve the problem, search the OS error that indicates why stat() system call was not executed successfully in the destination file.

If no OS error was found or the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to register for user event (index = %d) : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to set daemon state to ready : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to set daemon state to sync : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to start daemon transaction : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to stat remote file copy dst : '#xxxx: %s : %s**Content:**

Remote file copy by cfcp failed because stat() system call was not executed successfully in a destination file.

Corrective action:

Make sure the destination file is accessible. To solve the problem, search the OS error that indicates why stat() system call was not executed successfully in the destination file. If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failed to write to remote file copy tmp file : '#xxxx: %s : %s**Content:**

Remote file copy failed as write to a temporary file in a destination directory failed.

Corrective action:

Make sure you have the read and write permissions as a root user for the temporary file in the destination directory. To solve the problem, search the OS error that indicates the cause of the failure in writing to the file in the destination directory.

If no OS error was found or the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failure to ack commit event : '#xxxx: %s : %s**Content:**

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failure to open cfrs device : '#xxxx: %s : %s**Content:**

Remote command execution failed because the cfrs device was not opened successfully.

Corrective action:

To solve the problem, search /dev/cfrs device file or search the OS error that indicates why the device file was not opened successfully, or the OS error that indicates why the device file does not exist.

If no OS error was found or the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failure to rename dstpath to %s : '#xxxx: %s : %s

Content:

Remote file copy failed as rename on the destination file failed.

Corrective action:

To solve the problem, search the OS error that indicates why the destination file name was not renamed successfully.

If no OS error was found or the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failure to set daemon info : '#xxxx: %s : %s

Content:

Failed to get the cfreg data file configuration. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

failure to spawn: %s : '#xxxx: %s : %s

Content:

Remote command execution failed to spawn a process.

Corrective action:

To solve the problem, search the OS error that indicates why the process was not spawned successfully.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

first sync request return pkg size = 0

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

fork failure : '#xxxx: %s : %s

Content:

Remote command execution failed to fork a new process.

Corrective action:

To solve the problem, search the OS error that indicates why a new process was not forked successfully.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

fread temp output file error : '#xxxx: %s : %s

Content:

Due to remote command execution, fread on a temporary file that was created by stdio tmpfile function failed.

Corrective action:

To solve the problem, search the OS error that indicates why fread failed on the temporary file that was created by stdio tmpfile function.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

fseek temp output file error : '#xxxx: %s : %s

Content:

fseek() on temp file created by stdio tmpfile() function failed. Because of that remote command execution with cfsh failed. Due to remote command execution, fseek on a temporary file that was created by stdio tmpfile function failed.

Corrective action:

To solve the problem, search the OS error that indicates why fseek failed on the temporary file that was created by stdio tmpfile function. If no OS error was found or the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

handle_notification(): id %ld get a null pointer

Content:

An internal error occurred in the ELM program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

handle_notification(): wrong context owner %ld

Content:

An internal error occurred in the ELM program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

invalid transaction timeout node id *NodeID*

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

invalid usage of %s: %s

Content:

An internal error occurred when the remote command is executed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

line %d: name %s missing value

Content:

An invalid entry was found in /etc/default/cluster.config file. The name does not have a value.

Corrective action:

Correct the invalid entry that is specified for /etc/default/cluster.config file, and then restart CF.

line %d: name %s value too long

Content:

An invalid entry was found in /etc/default/cluster.config file. The value is too long.

Corrective action:

Correct the invalid entry that is specified for /etc/default/cluster.config file, and then restart CF.

line %d: name too long (%d max)

Content:

An invalid entry was found in /etc/default/cluster.config file. The name is too long.

Corrective action:

Correct the invalid entry that is specified for /etc/default/cluster.config file, and then restart CF.

line %d: premature EOF: last value ignored

Content:

The /etc/default/cluster.config file was not analyzed successfully.

Corrective action:

Search if the /etc/default/cluster.config file includes invalid entries. Correct the invalid entries and then restart CF.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

line %d: value without a name: ignored

Content:

An invalid entry was found in /etc/default/cluster.config file. The combination of value and name is invalid.

Corrective action:

Correct the invalid entry that is specified for /etc/default/cluster.config file, and then restart CF.

lk_wait(): Error wrong connection

Content:

An internal error occurred in the ELM program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

lk_wait(): Error wrong Owner

Content:

An internal error occurred in the ELM program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

lk_wait(): wrong context owner %ld

Content:

An internal error occurred in the ELM program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

local file last updated by %s on node %s at %.24s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (header: size = %d)

Content:

Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (init file copy req: size = %d)

Content:

An internal error occurred during remote file copying. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (old data file: size = %d)

Content:

Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (remote file copy queue entry: size = %d)

Content:

Memory allocation failed during remote file copying. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (req return: size = %d)

Content:

Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (sub file copy req: size = %d)

Content:

Memory allocation failed during remote file copying. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (sync entry key: size = %d)

Content:

Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (sync reply: size = %d)

Content:

Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (sync req: size = %d)

Content:

Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (sync request: size = %d)

Content:

Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

memory allocation failed (update infos: size = %d)

Content:

During cfreg daemon synchronization, an attempt to allocate memory failed. Memory allocation failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

missing entry with key "%s"

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

missing entry with key "%s" for delete

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

missing entry with key "%s" for modify

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

name %s: line %d: too many configuration entries (%d max) remaining entries ignored

Content:

Entries in the /etc/default/cluster.config file reached the maximum allowable numbers.

Corrective action:

Check the number of entries in the /etc/default/cluster.config file and correct the problem. Restart CF.

next sync request return pkg size = 0

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nodegroup load failed due to malloc failure

Content:

During CF initialization, memory allocation failed.

Corrective action:

To solve the problem, search the OS error that indicates why memory requirements by OS failed. You may need to reboot the node to recover OS memory.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nodegroup load failed due to nsi failure

Content:

An internal error occurred during CF initialization.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nodegroup load failed : '#xxxx: %s : %s

Content:

During the initialization of nodegroups, loading of the default values from kernel failed. Communication with cfreg subsystem failed.

Corrective action:

Check additional messages that indicate why the failure occurred.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_getarrcnt error: init file copy data

Content:

An internal error occurred during remote file copying. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_getarrcnt error: request key

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_getarrcnt error: sub file copy data

Content:

An internal error occurred during remote file copying. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_getarrcnt error: sync reply data

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_getarrcnt error: update event data

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack error: check commit

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack error: control event

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack error: first sync request

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack error: next sync request

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack error: remote file copy response

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack error: sync reply

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack_buffer error: header

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack_buffer response error

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack_size error: header

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_pack_size error: sync reply

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_setarrcnt error: init file copy data

Content:

An internal error occurred during remote file copying. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_setarrcnt error: request key

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_setarrcnt error: sub file copy data

Content:

An internal error occurred during remote file copying. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_setarrcnt error: sync reply data

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_setarrcnt error: sync request key

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_setarrcnt error: update event data

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: commit event

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: daemon down event

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: first sync request return

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: init file copy request

Content:

An internal error occurred during remote file copying. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: next sync request return

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: sub file copy request

Content:

An internal error occurred during remote file copying. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: sync reply

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: sync request

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

nsi_unpack error: update event

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

open %s : '#xxxx: %s : %s

Content:

During cfset processing, an open of the cfset file /etc/default/cluster.config failed.

Corrective action:

Check that the file exists and file permissions then retry command.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_open_symsrv: failed to open /dev/symsrv: #%04x: %s: %s

Content:

Open of the /dev/symsrv device failed.

Corrective action:

Check for /dev/symsrv device file and any associated OS messages indicating why the device file open failed or is not present. Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_select_nic: %s not a selectable device

Content:

While managing a cluster device, an internal error occurred. The specified cluster device could not be added to the configuration.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_start: CF configured invalid IP address %s

Content:

The CF startup routine has failed. This error message usually indicates that IP address described in the CF configuration file (/etc/default/cluster) is invalid.

Corrective action:

Review the settings in the CF configuration file (/etc/default/cluster).

OSDU_start: CF configured IP device %s not available

Content:

During CF startup of a CF over IP configuration, the specified IP device is not valid.

Corrective action:

Refer to the cfconfig man page. Valid IP devices are /dev/ip0, /dev/ip1, /dev/ip2, or /dev/ip3. Correct the invalid configuration and restart CF.

OSDU_start: CF configured too many IP addresses %s

Content:

The CF startup routine has failed. This error message usually indicates that too many IP addresses are described in the CF configuration file (/etc/default/cluster).

Corrective action:

Review the settings in the CF configuration file (/etc/default/cluster).

**OSDU_start: Could not get configuration:
The fast start option requires a valid configuration file.**

Content:

During CF startup with option '-L', the /etc/default/cluster file was not analyzed successfully.

Corrective action:

Check that the file exists and file permissions then restart CF.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_start: failed to load the driver

Content:

The cf driver could not be loaded into the kernel. CF cannot start.

Corrective action:

Check OS messages that indicate why driver load failed.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_start: failed to load the symsrv driver

Content:

The symsrv driver could not be loaded into the kernel. CF cannot start.

Corrective action:

Check OS messages that indicate why driver load failed.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_start: failed to open /dev/linux (%s)

Content:

During CF start processing, an open the /dev/linux failed. CF startup cannot continue.

Corrective action:

Check OS messages that indicate why device open failed.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_start: failure to determine boot time

Content:

During CF startup, determination of node boot time using /proc/uptime failed. The boot time cannot be determined.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_start: LINUX_IOCTL_SETCONF ioctl failed

Content:

During CF startup, initialization of cluster device configuration failed. CF startup cannot continue.

Corrective action:

Check additional messages to identify the problem.

A specified cluster device may not be found due to an invalid configuration. Check the configuration that specifies the cluster device names.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

OSDU_stop: enable unload failed

Content:

During CF stopping process, the driver unload failed. A CF device file may be open.

Corrective action:

Check the message file for additional information on which process still opens the CF device file and prevents the unload. Stop the specified process or product to shut down CF again.

rcqconfig failed to configure qsm due to cfreg failure.

Content:

An internal error occurred during CF initialization.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rcqconfig failed to configure qsm due to cfreg_put failure.

Content:

An internal error occurred during CF initialization.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

rcqconfig failed to configure qsm due to ens post eventy failure.

Content:

An internal error occurred during CF initialization.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

read entry with key "%s"

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

received remote service request during sync phase

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

received sync request during sync phase

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

received transaction timeout request during sync phase

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

received wrong ENS event (received 0x%x, expected 0x%x)

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

remote file copy destination not regular file

Content:

The destination file specified for CF remote copy (cfcp) is not a regular file.

Corrective action:

Either specify a different location as destination for remote copy or rename the existing destination file.

response buffer size too large: %d

Content:

An internal error occurred when the remote command is executed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

send_request: bogus return value %d

Content:

An internal error occurred in the ELM program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

starting transaction without empty temp file

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

starting transaction without open data file

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

sync compare data overflow: size %d expected 0

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

sync data overflow: %d expected 0

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

sync data too small for compare: %d

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

sync reply data size corrupt: entsize = %d, datasize = %d

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

sync reply data size corrupt: size = %d, datasize = %d

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

sync reply data too small: %d

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

temp file not open

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

transaction handle validation error : #xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

uev_wait failed : '#xxxx: %s : %s

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

unknown update type %d

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

wait failure : '#xxxx: %s : %s

Content:

Wait process failed while the remote command is executed to end the child process.

Corrective action:

To solve the problem, search the OS error that indicates why the wait process failed.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: cannot create

Content:

A file was not opened successfully during cfreg daemon process. Cfregd will terminate.

Corrective action:

Search the OS error that indicates why the open process failed. If the problem is identified and corrected, restart the cfreg daemon.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: close failure

Content:

The cfreg data file was not closed successfully by the cfreg daemon. Cfregd will terminate.

Corrective action:

Search the OS error that indicates why the close process failed. Reboot of the node may be necessary to resolve IO problems. If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field

engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: failed to open for read

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: failure to remove : '#xxxx: %s : %s

Content:

Old cfreg data files were not deleted successfully. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why the data files were not deleted successfully.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: failure to rename to %s

Content:

The cfreg data file was not renamed successfully during the cfreg daemon process. Cfregd will terminate.

Corrective action:

To solve the problem, search the OS error that indicates why the file was not renamed successfully. Reboot of the node may be necessary to resolve IO problems.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: failure to rename to dstpath : '#xxxx: %s : %s

Content:

Remote file copy failed as rename on the destination file failed.

Corrective action:

Check for OS errors that may indicate why rename on the temporary file in destination directory is failing. To solve the problem, search the OS error that indicates why the temporary file in the destination directory was not renamed successfully.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: fseek 0 failed

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: fwrite entry returned %d, expected %d**Content:**

The write process failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Search the OS error that indicates why the write process failed. If the problem is identified and corrected, restart the cfreg daemon.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: fwrite entsize returned %d, expected %d**Content:**

The write process failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Search the OS error that indicates why the write process failed. If the problem is identified and corrected, restart the cfreg daemon.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: fwrite header returned %d, expected %d**Content:**

The write process failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Search the OS error that indicates why the write process failed. If the problem is identified and corrected, restart the cfreg daemon.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: fwrite sync data returned %d, expected %d**Content:**

The write process failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Search the OS error that indicates why the write process failed. If the problem is identified and corrected, restart the cfreg daemon.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: fwrite update info returned %d, expected %d**Content:**

The write process failed during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Search the OS error that indicates why the write process failed. If the problem is identified and corrected, restart the cfreg daemon.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: not open for write

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: read error : '#xxxx: %s : %s

Content:

The cfreg data file cannot be read. Cfregd will terminate. Either the file is corrupted or there are IO related OS problems.

Corrective action:

Make sure the cfreg data file has read/write permissions for root. Check for OS errors that may indicate why reading a file failed. Make sure you have the read and write permissions as a root user for the cfreg data file. If you have the root permissions, search the OS error that indicates why the file was not read successfully, to solve the problem.

If no OS error was found or the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

%s: synchronization failed

Content:

An internal error occurred during the cfreg daemon process. Cfregd will terminate.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

/etc/default/cluster.config is not loaded successfully : '#xxxx: %s : %s

Content:

During the cfset process, an entry was not loaded to the kernel successfully.

Corrective action:

This may be a result of a OS resource allocation failure such as memory depletion. Check for other messages that may further indicate the cause of the problem. If the problem cannot be identified, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

5.2 Shutdown Facility Message

This section explains messages relating to the shutdown facility in the alphabetical order.

Information

The table below shows the character strings that are output when *Shutdown Agent* and *action* are executed. These are the variables used for messages about the operation of shutdown agent.

Variables	Character strings
<i>Shutdown Agent</i>	SA_ilomp.so
	SA_ilomr.so

Variables	Character strings
	SA_rccu.so
	SA_xscfp.so
	SA_xscfr.so
	SA_pprcip.so
	SA_pprcir.so
	SA_sunF
	SA_blade
	SA_icmp
	SA_ipmi
	SA_libvirtgp
	SA_libvirtgr
	SA_lkcd
	SA_mmbp.so
	SA_mnbr.so
	SA_vmchkhost
	SA_vmgp
	SA_vmSPgp
	SA_vmSPgr
	Others (such as new shutdown agent)
<i>action</i>	init
	shutdown
	test
	unInit

5.2.1 Information Messages for which Corrective Action is Unnecessary

Advertisement server successfully started

Content:

The network communication of the shutdown daemon has been started correctly.

After the delay of *value* seconds, *nodename* would kill:

Content:

The node *nodename* will forcibly stop other nodes after *value* seconds.

All cluster hosts have reported their weight

Content:

The node successfully received the data from all cluster nodes when it forcibly stopped these nodes.

All hosts in the shutdown list are DOWN. Delay timer is terminated

Content:

The shutdown process of the nodes is terminated because all the nodes to be forcibly stopped are already shut down.

Already killed node : *nodename*, ignoring InvokeSA()

Content:

The node *nodename* is already forcibly stopped. A request for the shutdown agent to stop the node *nodename* is ignored.

A reconfig request came in during a shutdown cycle, this request was ignored

Content:

The request to reconfigure the shutdown daemon (`sdtool -r`) is ignored because the node is forcibly stopped.

Corrective action:

No action is required when the shutdown daemon is unnecessary to be reconfigured. When the shutdown daemon should be reconfigured, execute the following commands after the node is forcibly stopped to restart the shutdown facility (SF).

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

A reconfig request is being processed. This request was ignored

Content:

The request to reconfigure the shutdown daemon (`sdtool -r`) is ignored because the shutdown daemon is under configuration.

Corrective action:

No action is required when the shutdown daemon is unnecessary to be reconfigured. When the shutdown daemon should be reconfigured again, wait for a while and then execute the following commands to restart the shutdown facility (SF).

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

A request to clean rcsd log files came in during a shutdown cycle, this request was ignored

Content:

Log files of the shutdown daemon is not renewed (reopened) because the node is forcibly stopped.

Corrective action:

No action is required when the log files of the shutdown daemon is unnecessary to be renewed (reopened). When the log files of the shutdown daemon should be renewed (reopened), execute the following commands after the node is forcibly stopped to renew (reopen) the log files of the shutdown daemon.

```
# /opt/SMAW/bin/sdtool -l
```

A Shutdown request for host *nodename* is already in progress. Merging this request with the original request

Content:

The request to forcibly stop the node *nodename* is ignored because the node is already forcibly stopped.

A shutdown request has come in during a test cycle, test of Shutdown Agent PID *pid* will be terminated

Content:

This message is output when `sdtool -k` is called while `rcsd` is testing the shutdown agent.

Corrective action:

This message does not indicate particular problems. No action is required.

Broadcasting KRlist...

Content:

For the forcible shutdown of the nodes, each node starts to send and receive the data of the forcible shutdown request.

Cleaning advertisements from the pipe *name*

Content:

All the nodes have been forcibly stopped. Information from all the cluster nodes, which were received when the nodes were forcibly stopped, is discarded.

cleaning pending InvokeSA()

Content:

The pending request for the shutdown agent is executed again.

Cleaning RCSD log files

Content:

Log files of the shutdown agent are started to be renewed (reopened).

CLI request to Shutdown host *nodename*

Content:

The request to forcibly stop the node *nodename* is received.

could not get NON machine weights from RMS

Content:

The total weight values of all the configured userApplication were not collected successfully. RMS may not be installed in this node or RMS does not work correctly.

disablesb.cfg does not exist, errno *errno*

Content:

This is the internal information of the shutdown daemon.

Eliminating host *nodename* has been taken care of

Content:

The target node to be forcibly stopped is not shut down because the node has been already stopped.

Failed to break into subclusters

Content:

This is the information when the nodes are forcibly stopped.

Failed to calculate subcluster weights

Content:

This is the information when the nodes are forcibly stopped.

Failed to cancel *thread*, thread of string *string* of host *nodename*

Content:

The thread *<thread>* for the node *<nodename>* is not cancelled successfully.

Failed to prune the KR list

Content:

This is the information when the nodes are forcibly stopped.

Failed to VerifyMaster

Content:

This is the information when the nodes are forcibly stopped.

Finished Resolving Split.

Content:

The process to forcibly stop the nodes is completed.

Finished wait for Delay Timer.starting to resolve split

Content:

The process to forcibly stop the nodes is started after the wait time has passed.

For string: MyCH = 0xvalue, MySC = 0xvalue

Content:

This is the information when the nodes are forcibly stopped.

Forced to re-open CLI pipe due to a missing pipe name

Content:

A pipe for the command interface of the shutdown daemon is re-created because it has an error.

Corrective action:

When a pipe for the command interface has an error, the shutdown facility re-creates a pipe. No action is required because this does not affect other processes that are operated by the system.

Forced to re-open CLI pipe due to an invalid pipe name

Content:

A pipe for the command interface of the shutdown daemon is re-created because it has an error.

Corrective action:

When a pipe for the command interface has an error, the shutdown facility re-creates a pipe. No action is required because this does not affect other processes that are operated by the system.

Forced to re-open CLI pipe due to failed stat pipe name errno

Content:

A pipe for the command interface of the shutdown daemon is re-created because it has an error.

Corrective action:

When a pipe for the command interface has an error, the shutdown facility re-creates a pipe. No action is required because this does not affect other processes that are operated by the system.

Fork Shutdown Agent(PID pid) to action host nodename

Content:

The shutdown agent *<Shutdown Agent>* is started to execute the action *<action>* for the node *<nodename>*.

Gathering CF Status

Content:

The initial process for CF of the shutdown daemon is started.

getservbyname returned *portnumber* as the port for sfadv server

Content:

A network communication port number *portnumber* for the shutdown daemon is successfully obtained.

host *nodename* has already been killed. Ignoring this request

Content:

The request to forcibly shut down the node *nodename* is ignored because the node has been already stopped.

Host *nodename* has been put in the shutdown list

Content:

The node *<nodename>* is already in the shutdown node list.

host *nodename* is the *value* highest weight in the cluster

Content:

This is the information of the survival priority.

Host *nodename*, MA Monitoring Agent, MAHostGetState():*string*

Content:

MAHostGetState() works correctly in the MA monitor thread.

Host *nodename*, MA Shutdown Agent, MAHostInitState() returned *value*

Content:

MAHostInitState() is executed in the MA monitor thread.

Host *nodename* (reported-weight: *value*) wants to kill *nodename* - master *nodename*

Content:

This is the information of the forcible shutdown request for each node.

icf_ping returned *value(string)*

Content:

The node status is checked through cluster interconnects.

In *string* : Select returned *value*, errno *errno*

Content:

The select function of the shutdown daemon returns abnormally.

Corrective action:

The shutdown facility re-creates a pipe for the target network communication to restart the process. No action is required because this does not affect other processes that are operated by the system.

InvokeSA(*nodename*, *action*, *number*)

Content:

The action *action* for the node *nodename* is pending.

Kill requests:

Content:

The forcible shutdown request information for each node is output.

Kill Requests are:

Content:

The forcible shutdown request information for each node is output.

KR from *nodename* to kill *nodename* had master *nodename*, now has master *nodename*

Content:

This is the information when the node is forcibly stopped.

MA *Monitoring Agent* reported host *nodename* leftcluster, state *string*

Content:

The node status change is detected.

No kill requests from my subcluster

Content:

The forcible shutdown request is not sent for the node cluster that includes the local node.

node-factor set to default value: *value*

Content:

This is the information to calculate the survival priority.

node-factor updated to : *value*

Content:

This is the information to calculate the survival priority.

***nodename* was leaving cluster**

Content:

The node *nodename* is being separated from the cluster.

pclose failed for *command*.*errno* = *errno*

Content:

An error occurred when the command *command* is terminated. This does not cause any problems.

Pending InvokeSA():

Content:

The request to the pending shutdown agent is output.

PID *pid* has indicated a {successful | failed} host *action*

Content:

When the shutdown agent is terminated, it returned the normal value or abnormal value.

PID *pid* has indicated a successful host shutdown

Content:

PID *pid* stopped the nodes successfully.

Processing event for host *nodename*

Content:

The process of CF event *<event>* of the received node *<nodename>* has started.

RCSD already running

Content:

Shutdown daemon is already started.

Corrective action:

- Shutdown daemon is unnecessary to be restarted

No action is required.

- Shutdown daemon is necessary to be restarted

Execute the following commands to restart the shutdown facility (SF).

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

RCSD controlled daemon exit completed

Content:

The shutdown daemon is successfully terminated.

RCSD has detected some data on the pipe RCSDNetPipe.

Content:

The shutdown daemon has detected the transmitted data from other nodes.

RCSD log files cleaned successfully

Content:

Log files of the shutdown daemon are successfully renewed (reopened).

RCSD started

Content:

Shutdown daemon is started.

Received the *string* command from the CLI PID *pid*

Content:

Shutdown daemon received the command request.

Restarting advertisement server thread after a reconfig

Content:

A communication network thread for the shutdown daemon is created.

RMS is NOT running on this system

Content:

RMS may not be installed in this node or RMS does not work correctly.

RMS is running on this system

Content:

RMS works in this node.

SA Shutdown Agent to init host *nodename* succeeded

Content:

The shutdown agent *<Shutdown Agent>* for the node *<nodename>* is successfully initialized.

SA Shutdown Agent to shutdown host *nodename* succeeded

Content:

The shutdown agent *<Shutdown Agent>* has successfully shut down the node *<nodename>*.

SA Shutdown Agent to uninit host *nodename* succeeded

Content:

The shutdown process of the shutdown agent *<Shutdown Agent>* for the node *<nodename>* is successfully completed.

Sending a Dummy KRlist - No Kill req only weight

Content:

When the nodes are forcibly stopped, the forcible shutdown request from the local node to the specified node was not sent. Only the information of the local node was sent to other nodes.

SF will be the Split Brain Manager on this system

Content:

The shutdown facility controls the forcible shutdown of the nodes on this system.

Shutdown request had come in. Reconfig is ignored Exit request had come in. Reconfig is ignored

Content:

The request to reconfigure the shutdown daemon (`sdtool -r`) is ignored because the node is already forcibly stopped or the shutdown daemon is under shutdown process.

Corrective action:

No action is required when the shutdown daemon is unnecessary to be reconfigured. When the shutdown daemon should be reconfigured again, wait until the forcible shutdown process of the nodes is completed. When the shutdown daemon is under shutdown process, wait for a while and then execute the following commands to restart the shutdown facility (SF).

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

Skipping weight of *nodename*, it is DOWN

Content:

The node *nodename* is excluded from the calculation of survival priority because the node is shut down.

Skipping weight of *nodename*, it has never joined the cluster

Content:

The node *nodename* is excluded from the calculation of survival priority because the node is not joined the cluster.

sleep *n* seconds before invoking *Shutdown Agent* to kill *nodename*

Content:

The node *nodename* will be forcibly stopped by the shutdown agent *Shutdown Agent* after *n* seconds.

SMAWRrms is installed on this system

Content:

SMAWRrms is installed in this node.

SMAWRrms is NOT installed on this system

Content:

RMS may not be installed in this node.

Split Brain processing completed. Nothing to do on local node

Content:

The survival priority has been calculated.

Split Brain processing is in progress, saving InvokeSA into the Buffer

Content:

The request for the shutdown agent is pending because the node is in the forcible shutdown process.

Starting the Advertisement server on *host(IP address)*, port:*number*

Content:

Initialization is started for the network communication of the shutdown daemon.

Starting the RCSD Daemon

Content:

The shutdown daemon is started.

Sub-cluster master *nodename*, Sub-cluster weight *value (value%)* count *value*

Content:

This is the statistical information of the node cluster.

Sub-cluster statistics:

Content:

The statistical information of the node cluster is output.

The RCSD on host *nodename* is running in CF mode

Content:

The node *nodename* has been confirmed to have the installed CF.

The SF-CF has received event

Content:

A CF event monitor thread received the CF event *<event>*.

The SF-CF has successfully declared host *nodename* event

Content:

The CF event *<event>* for the node *<nodename>* is successfully published.

Throwing away the KRlist

Content:

The forcible shutdown request of the nodes is ignored because the target nodes are already unnecessary.

Total Cluster weight is :*value*

Content:

Total weight of the nodes and the userApplication in the whole cluster is *value*.

Total Cluster Weight: *value*, Percentage of Cluster weight missing: *value*%

Content:

This is the information of the total cluster weight.

Total potential weight is *value* (*value* application + *value* machine)

Content:

This is the information of the total weight of the nodes and the userApplication in the whole cluster.

Total user application weight for all user applications online on local host is *value*

Content:

This is the total value of all the userApplication that are currently in Online state on the local node.

Total user application weight for the total cluster is *value*

Content:

This is the total value of all the configured userApplication.

unable to verify admIP: *IP address*

Content:

This data cannot be used because it was transmitted from the unverified cluster nodes.

Unknown command from sdtool, command *value*

Content:

Invalid sdtool command line is used.

Corrective action:

Choose the correct parameter to call sdtool.

Waiting for localCHost->CH_delay: *n*

Content:

The nodes will be forcibly stopped after *n* seconds.

weight-factor set to default value: *value*

Content:

This is the information to calculate the survival priority.

weight-factor updated to : *value*

Content:

This is the information to calculate the survival priority.

5.2.2 Information and Warning Messages for which Corrective Action is Necessary

Advertisement to host:*nodename* on admIP:*string* failed

Content:

When the nodes are forcibly stopped, the data of forcible shutdown request may not be sent successfully to the node. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

All cluster hosts have NOT reported their weight

Content:

When the nodes are forcibly stopped, the data was not successfully received from all cluster nodes. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

A request to exit rcsd came in during a shutdown cycle, this request was ignored

Content:

The rcsd daemon (sdtool -e) was to be stopped when the rcsd was trying to stop the nodes.

Corrective action:

Retry after the shutdown task is completed.

Cannot open CIP configuration file : *file*

Content:

A network communication by the shutdown daemon is impossible because the configuration definition file of CIP was not opened successfully. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Search the configuration definition file of CIP.

If the file does not exist, configure CIP. See "PRIMECLUSTER Installation and Administration Guide" for configuration.

If the file exists, execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

checkAdmInterface : can't open datagram socket. errno=*errno*

Content:

A network communication by the shutdown daemon is impossible. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cleanUpServerThread: Failed to cancel advertisement server thread

Content:

A communication network thread for the shutdown daemon was not recovered successfully. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

Execute the following command and check the result.

```
# /opt/SMAW/bin/sdtool -s
```

- When Init State is InitWorked and Test State is TestWorked

No action is required.

- When Init State is InitFailed or Test State is TestFailed

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

- Other than the above status

Wait for a while before executing the above commands again. Check the result.

command timed out after 0.1 sec

Content:

The command times out. It was not executed correctly.

When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed in plock(). errno errno

Content:

The memory in the shutdown daemon process was not locked successfully. When the system load is high, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Execute the following commands to restart the shutdown facility (SF).

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed in priocntl(option). errno *errno*. RCSD is not a real-time process

Content:

Execution priority of the shutdown daemon remains low. When the system load is high, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Execute the following commands to restart the shutdown facility (SF).

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to cancel thread of *string*

Content:

A thread was not cancelled successfully.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to do fcntl(serversockfd, FD_CLOEXEC) errno *errno*

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to do *string*, reason (value)*string*

Content:

An internal function was not called successfully.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to get nodeid for host *nodename*. reason (value)*string*

Content:

A cluster node id of a node cannot be obtained.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to open CLI response pipe for PID *pid*, errno *errno*

Content:

The pipe cannot be opened because the rcsd daemon responds to sdttool.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to open lock file

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to perform delay

Content:

Forcible shutdown process of the nodes was suspended because an error occurred during the process. When this message is output, the unintended node may be forcibly stopped when the node is forcibly stopped.

However, if the node is forcibly stopped successfully after the following steps 1 to 3, no corrective action is required.

1. Any one of the following operations is executed.
 - The node is forcibly stopped manually by executing the sdttool -k command.
 - The node is forcibly stopped due to the double failure of the userApplication.
 - The node is forcibly stopped when the userApplication is forcibly operated by the operator intervention message.
2. The node is forcibly stopped successfully after step 1.
3. This message is output to the forcibly stopped node after step 2.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to read the received advertisement from the rcsd net pipe

Content:

The forcible shutdown request from other nodes may not be received successfully. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

**host information for *string* not found
gethostbyname returned invalid address for *string***

Content:

A network communication of the shutdown daemon is impossible because the system has problems inside, or the invalid host name or the invalid IP address is specified either in the configuration definition file of CIP or the configuration definition file of the shutdown daemon. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Check if the host name or the IP address, which is specified either in the configuration definition file of CIP or the configuration definition file of the shutdown daemon, is correct.

If the invalid host name or IP address is specified, configure CIP or the shutdown facility properly. See "PRIMECLUSTER Installation and Administration Guide" for configuration.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

host *nodename* has no input in 2 seconds. Ignore it

Content:

No data was sent from the node *nodename* during the queuing time for synchronization when the nodes were forcibly stopped. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Host *nodename*, MA Monitoring Agent, MAHostGetState() failed

Content:

MAHostGetState() returned an abnormal value when MAHostGetState() was executed in the MA monitor thread.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Local host is not defined in rcsd.cfg

Content:

A CF node name of the node that this message is output is not specified for the rcsd cfg. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Check if the CF node name of the cluster node that this message is output is specified for the rcsd cfg. Check the CF node name by cftool -n command.

If the CF node name is invalid, correct the rcsd.cfg

Execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

makeXDRfromAdv: can't convert NULL ad to XDR

Content:

An internal error occurred in the shutdown facility.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

No/Invalid admin LAN specified. Advertisement server will not be started

Content:

The network communication thread of the shutdown daemon was not created successfully because the invalid IP address or the invalid host name is specified in the rcsd.cfg. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Review the IP address or the host name that is specified in the rcsd.cfg and then execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

open failed on rcsd net pipe *name*, errno *errno*

Content:

Data from other nodes may not be received successfully. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

open failed on RCSD response pipe *name*, errno *errno*

Content:

The pipe for rcsd could not be opened.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

PID *pid* exited due to receiving signal number *number*

Content:

The shutdown agent returned abnormally.

Corrective action:

Check the messages of the shutdown agent that will be output after this message is output for the corrective action. If no additional messages were output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

PID *pid* exited with a non-zero value of *value*

Content:

The shutdown agent returned abnormally.

Corrective action:

Check the messages of the shutdown agent that will be output after this message is output for the corrective action.

If no additional messages were output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

PID *pid* was stopped with signal number *number*

Content:

The shutdown agent returned abnormally.

Corrective action:

Check the messages of the shutdown agent that will be output after this message is output for the corrective action.

If no additional messages were output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Pthread failed: pthread_XXXX : errcode *num string*

Content:

Library function pthread_XXXX was not executed successfully.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

WARNING : Pid process *id* is not able to be terminated. The SA Shutdown Agent is now disabled from host *nodename*

Content:

The shutdown agent *Shutdown Agent* for the node *nodename* could not be used.

Corrective action:

If the following message is displayed after this message, no action is required because the shutdown facility has already been restarted.

```
rscsd died abnormally. Restart it.
```

If the message is not displayed, execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

popen failed for *command.errno = errno*

Content:

The command *command* was not started successfully.

When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA Shutdown Agent to shutdown host *nodename* failed

Content:

The shutdown agent *Shutdown Agent* failed to forcibly stop the node *nodename*.

Corrective action:

Check the cluster node or the cluster application status by Cluster Admin. Start the cluster node or switch the cluster application if needed.

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."



.....

This message may be output if error occurs in the ESXi host in an environment that uses VMware vSphere HA. However, if the virtual machine has successfully migrated by VMware vSphere HA and the operation has resumed, no action is required.

.....

SA *string* does not exist

Content:

The specified shutdown agent does not exist.

Corrective action:

Check the shutdown agent name that is specified in the *rcsd.cfg*. See "PRIMECLUSTER Installation and Administration Guide" for a shutdown agent name.

Execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Sending *type* to host *nodename* failed, *ackid=number*

Content:

The data may not be sent to the node *nodename* successfully when the nodes were forcibly stopped. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Shutdown Agent *Shutdown Agent* timeout for host *<nodename>* is less than 20 seconds

Content:

The 'timeout' seconds of the shutdown agent of the node, which is specified in the *rcsd.cfg*, are less than 20 seconds.

Corrective action:

Check the 'timeout' seconds of the shutdown agent of the node, which is specified in the *rcsd.cfg*. See "PRIMECLUSTER Installation and Administration Guide" for the 'timeout' setting.

When the 'timeout' is corrected, execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

The RCSD on host *nodename* is NOT running in CF mode

Content:

CF has not been installed in the node *nodename*.

Corrective action:

The PRIMECLUSTER package may not been installed in the system properly. Check that no error occurred when the package was installed in the system.

If the package is installed properly, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The SA Shutdown Agent to action host *nodename* has exceeded its configured timeout, pid *process id* will be terminated

Content:

When the action *action* is executed for the node *nodename*, the shutdown agent did not return within 'timeout' seconds, which is the time configured in the rcsd.cfg.

Corrective action:

Check that if 'timeout' seconds that is configured in the rcsd.cfg is valid. See "PRIMECLUSTER Installation and Administration Guide" for 'timeout' configuration.

When 'timeout' seconds are tuned, execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The SF-CF failed to declare host *nodename*(*nodeid number*) *string*, reason (*value*)*string*

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Unknown host *nodename*

Content:

Errors were detected in the nodes other than the cluster node. When this message is output, the cluster configuration may include errors.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

WARNING: No context allocation. MA *Monitoring Agent* for host *nodename* is neglected

Content:

Initializing the shutdown agent *Monitoring Agent* failed.

Corrective action:

After this message is output, the shutdown facility retries to initialize the Monitoring Agent every two minutes until the initialization is successfully completed. No action is required when the Monitoring Agent is automatically recovered by this process. If the recovery failed and the message is output again, take the corrective action for another message which is output at the same time. If the recovery failed again after taking the corrective action, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

write failed on rcsd net pipe *name*, errno *errno*

Content:

Data from other nodes may not be received successfully. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

5.2.3 Non-fatal error messages

Advertisement Client : can't open datagram socket. errno = *errno*

Content:

The network communication socket of the shutdown daemon was not created successfully. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Execute the following command.

```
# /opt/SMAW/bin/sdtool -s
```

When "The RCSD is not running" is displayed, execute the following commands to start the shutdown facility.

```
# /opt/SMAW/bin/sdtool -b
```

Execute the following command and check the result.

```
# /opt/SMAW/bin/sdtool -s
```

- When Init State is InitWorked and Test State is TestWorked

No action is required.

- When Init State is InitFailed or Test State is TestFailed

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

- Other than the above status

Wait for a while and then execute the above command again. Check the result.

Advertisement Client : sendto error on socket errno *errno*

Content:

The shutdown daemon failed to send data by the network communication. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Calculation of sum of machine weights failed

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

checkAdmInterface : can't bind local address. errno=errno Advertisement server: can't bind local address, errno errno

Content:

A network communication of the shutdown daemon is impossible. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Check if the IP address or the host name that is specified in the rcsd.cfg is valid (host name is registered in the /etc/inet/hosts file on Solaris and on Linux, it is registered in the /etc/hosts file) .If the IP address or the host name is invalid, correct them and then execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR:Admin LAN and CIP on the same interface

Content:

The same host name or the IP address is specified for both the configuration definition file of CIP and the configuration definition file of the shutdown daemon. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Check that the same host name or the IP address is not specified for both the configuration definition file of CIP and the configuration definition file of the shutdown daemon.

If the same host name or the IP address is specified, configure CIP and the shutdown agent correctly. See "PRIMECLUSTER Installation and Administration Guide" for configuration.

If the same host name or the IP address is not specified, execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the conditions are satisfied, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Error in option specification. (option:option)

Content:

The option is not specified properly.

Corrective action:

Specified the option properly and then execute it again.

Failed to convert AdvData to XDR: string

Content:

The transmitted data was not converted properly in the network communication of the shutdown daemon. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Execute the following commands.

```
# /opt/SMAW/bin/sdtool -s
```

Then "The RCSD is not running" is displayed, execute the following command to start the shutdown facility.

```
# /opt/SMAW/bin/sdtool -b
```

Execute the following command and check the result.

```
# /opt/SMAW/bin/sdtool -s
```

- When Init State is InitWorked and Test State is TestWorked

No action is required.

- When Init State is InitFailed or Test State is TestFailed

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

- Other than the above status

Wait for a while and then execute the above command again. Check the result.

Failed to convert XDR to advData: *string*

Content:

The received data was not converted properly in the network communication of the shutdown daemon. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Execute the following commands.

```
# /opt/SMAW/bin/sdtool -s
```

Then "The RCSD is not running" is displayed, execute the following command to start the shutdown facility.

```
# /opt/SMAW/bin/sdtool -b
```

Execute the following command and check the result.

```
# /opt/SMAW/bin/sdtool -s
```

- When Init State is InitWorked and Test State is TestWorked

No action is required.

- When Init State is InitFailed or Test State is TestFailed

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

- Other than the above status

Wait for a while and then execute the above command again. Check the result.

FATAL ERROR: Rcsd fails to continue. Exit now.

Content:

An error occurred and the shutdown daemon (rcsd) was ended abnormally. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Check if error messages of the shutdown facility have been output before this message is output. If the error messages are output, follow them for the corrective action.

When no error messages of the shutdown facility are output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Host list(hlist) Empty

Content:

An internal error has occurred.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The shutdown attempt for host <hostname> could not complete - all SA's failed

Content:

All shutdown agents failed to forcibly stop the node <hostname>.

Corrective action:

Check the status of the cluster node and the cluster applications by Cluster Admin.

Depending on the situation, take the following actions manually:

- Stop the cluster node
- Recover the LEFTCLUSTER state
- Clear the Wait state of SysNode
- Switch the cluster application

Record this message and collect information for an investigation. Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

 **Note**

This message may be output if error occurs in the ESXi host in an environment that uses VMware vSphere HA. However, if the virtual machine has successfully migrated by VMware vSphere HA and the operation has resumed, no action is required.

5.2.4 Fatal error messages

Advertisement server: Data received will be discarded due to receive error on socket. errno = errno

Content:

The shutdown daemon failed to send data by the network communication. When this message is output, an unintended node may be forcibly stopped when the nodes are forcibly stopped.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Agent Shutdown Agent uninitialization for host *nodename* failed

Content:

The shutdown agent is not uninstalled properly.

Corrective action:

Check logs of the shutdown agent and then contact field engineers.

cannot determine the port on which the advertisement server should be started

Content:

A network communication port number for the shutdown daemon is not obtained successfully.

Corrective action:

Execute the following command.

```
# /opt/SMAW/bin/sdtool -s
```

When "The RCSD is not running" is displayed, execute the following command to start the shutdown facility.

```
# /opt/SMAW/bin/sdtool -b
```

Execute the following command and check the result.

```
# /opt/SMAW/bin/sdtool -s
```

- When Init State is InitWorked and Test State is TestWorked

No action is required.

- When Init State is InitFailed or Test State is TestFailed

(Solaris)

Check if the following line is set in the /etc/inet/services file.

sfadv	2316/udp	# SMAWsf package
-------	----------	------------------

(Linux)

Check if the following line is set in the /etc/services file.

4.3A20 or earlier

sfadv	2316/udp	# SMAWsf package
-------	----------	------------------

4.3A30 or later

sfadv	9382/udp	# SMAWsf package
-------	----------	------------------

If the line is not configured, add this line to the above file. Take the following actions after correcting the file.

- Solaris

Execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

- Linux

Restart the cluster node after correcting the file.

- Other than above

Wait for a while and then execute the above command again. Check the result.

If the process does not work as a corrective action, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Could not correctly read the rcsd.cfg file.

Content:

Either rcsd.cfg file does not exist or the syntax in rcsd.log is incorrect.

Corrective action:

Create rcsd.cfg file or correct the syntax error.

Decryption of SecretAccesskey failed.

Corrective action:

Check the following:

- Check if the configuration file (/etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg) is specified correctly.

For the SecretAccessKey, set the information encrypted by the sfcipher command.

For settings of the configuration file, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

/etc/sysconfig/libvirt-guests is not configured on Hypervisor of host *nodename*. rcsd died abnormally.

Content:

The /etc/sysconfig/libvirt-guests on the hypervisor on the node <*nodename*> is not configured. The shutdown daemon (rcsd) is ended abnormally.

Corrective action:

Take the corrective action depending on the following events.

Event 1

This message is output due to the shutdown or restart of the hypervisor, and the node was not forcibly stopped successfully.

1. Check if the forcibly stopped guest OS is in LEFTCLUSTER state. Do not recover LEFTCLUSTER state at this time.
2. Wait until the activated guest OS becomes LEFTCLUSTER state.
3. Check that all the nodes become LEFTCLUSTER state and then check if the /etc/sysconfig/libvirt-guests is properly configured on all the hypervisors. See "PRIMECLUSTER Installation and Administration Guide (Linux)" for configuration of the /etc/sysconfig/libvirt-guests.
4. Stop all the guest OSes on which cluster applications will not be Online state.
5. Check that all the guest OSes are stopped and then execute the following command on the guest OSes on which the cluster applications will be Online state. This process will recover LEFTCLUSTER state.

```
# cftool -k
```

6. To start the shutdown facility, execute the following command on the guest OSes on which the cluster applications will be Online state.

```
# /opt/SMAW/bin/sdtool -b
```

Event 2

Other than the above event 1

1. Check if the `/etc/sysconfig/libvirt-guests` on the hypervisor on the node `<nodename>` is properly configured. See "PRIMECLUSTER Installation and Administration Guide (Linux)" for configuration of the `/etc/sysconfig/libvirt-guests`.
2. Execute the following command to start the shutdown facility.

```
# /opt/SMAW/bin/sdtool -b
```

If the process does not work as a corrective action, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to create a signal handler for SIGCHLD Failed to create a signal handler for SIGUSR1

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to get kernel parameter kernel.panic.

Corrective action:

Getting the value failed as a result of executing the `"sysctl -n kernel.panic"` command.

Record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to get kernel parameter kernel.sysrq.

Corrective action:

Getting the value failed as a result of executing the `"sysctl -n kernel.sysrq"` command.

Record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to get kernel parameter kernel.unknown_nmi_panic.

Corrective action:

Getting the value failed as a result of executing the `"sysctl -n kernel.unknown_nmi_panic"` command.

Record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to unlink/create/open CLI Pipe

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to open CFSF device, reason (value)string

Content:

The CFSF device cannot be opened.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Fail to post LEFTCLUSTER event: *string*

Content:

When rci detected a node error, it failed in transmission of LEFTCLUSTER event.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL: rcsd died too frequently.It will not be started by rcsd_monitor.

Content:

The shutdown daemon (rcsd) cannot be restarted after it abnormally ended.

Corrective action:

Check if error messages of the shutdown facility have been output before this message is output. If the error messages are output, follow them for the corrective action.

When no error messages of the shutdown facility are output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

fopen of /etc/opt/SMAW/SMAWsf/rcsd.cfg failed, errno *errno*

Content:

The shutdown facility cannot be started because it has not been configured.

Corrective action:

Check again the configuration of the shutdown facility and then start the shutdown daemon again.

This action is not required for the xen kernel environment on Red Hat Enterprise Linux 5 (for Intel64).

Forced to re open rcsd net pipe due to an invalid pipe *name*

Content:

The network communication pipe of the shutdown daemon had an error. It has been recreated.

Corrective action:

The shutdown facility recreates the network communication pipe that had an error. No corrective action is required because this error does not affect other processes that are operated by the system.

Forced to re-open rcsd net pipe due to a missing pipe *name*

Content:

The network communication pipe of the shutdown daemon had an error. It has been recreated.

Corrective action:

The shutdown facility recreates the network communication pipe that had an error. No corrective action is required because this error does not affect other processes that are operated by the system.

Forced to re-open rcsd net pipe due to failed stat pipe *name* errno: *errno*

Content:

The network communication pipe of the shutdown daemon had an error. It has been recreated.

Corrective action:

The shutdown facility recreates the network communication pipe that had an error. No corrective action is required because this error does not affect other processes that are operated by the system.

function of file failed, errno errno

Content:

An internal error occurred in the program.

Corrective action:

Check if related messages are additionally output.

If additional messages are output, follow them for the corrective action.

If no additional messages were output, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

h_cfsf_get_leftcluster() failed. reason: (value)string

Content:

Failed to call cfsf_get_leftcluster.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

HostList empty

Content:

The rcsd.cfg is not configured properly or the rcsd.cfg is not read successfully.

Corrective action:

Execute the following command.

```
# /opt/SMAW/bin/sdtool -s
```

When "The RCSD is not running" is displayed, execute the following command to start the shutdown facility.

```
# /opt/SMAW/bin/sdtool -b
```

Execute the following command and check the result.

```
# /opt/SMAW/bin/sdtool -s
```

- When Init State is InitWorked and Test State is TestWorked

No action is required.

- When Init State is InitFailed or Test State is TestFailed

Check the configuration of the rcsd.cfg and correct the configuration if it is not correct. Then, execute the following commands to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

- Other than the above status

Wait for a while and then execute the above commands again. Check the result.

If the process does not work as a corrective action, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Host <nodename> ICF communication failure detected

Content:

The rcsd was notified that the node <nodename> has lost its heartbeat.

Host nodename MA_exec: string failed, errno errno

Content:

An error has occurred while the MA executing thread for the node <nodename> was executed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Illegal /etc/kdump.conf file. default option is not found.

Corrective action:

Set default to the configuration file of kdump.

For details on the items of the configuration file, refer to "Setting up kdump" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/kdump.conf file. default option setting is incorrect.

Content:

The default setting in the configuration file of kdump is not correct.

No value is set to default or a value other than poweroff is set.

Corrective action:

Set poweroff to default in the configuration file of kdump.

For details on the items of the configuration file, refer to "Setting up kdump" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/kdump.conf file. kdump_post option is not found.

Corrective action:

Set kdump_post to the configuration file of kdump.

For details on the items of the configuration file, refer to "Setting up kdump" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/kdump.conf file. kdump_post option setting is incorrect.

Content:

The kdump_post setting in the configuration file of kdump is not correct.

No value is set to kdump_post or the full path of the poff.sh script is not correct.

Corrective action:

Set the following value to kdump_post in the configuration file of kdump.

```
/opt/SMAW/SMAWsf/bin/poff.sh
```

For details on the items of the configuration file, refer to "Setting up kdump" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg file. CFName=*nodename* is not found.
Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg file. CFName=*nodename* is not found.

Content:

The configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent is not correct. The CF node name *<nodename>* is not found.

Corrective action:

Add the required settings in the configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent.

For details on the items of the configuration file, refer to "Setting up the Shutdown Facility" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg file. *itemname* is not found.
Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg file. *itemname* is not found.

Content:

The configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent is not correct. The required item name *<itemname>* is not found.

Corrective action:

Add the required settings in the configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent.

For details on the items of the configuration file, refer to "Setting up the Shutdown Facility" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg file. The invalid data is included.
Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg file. The invalid data is included.

Content:

The invalid data is included in the configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent.

Corrective action:

Delete the invalid data from the configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent.

For details on the items of the configuration file, refer to "Setting up the Shutdown Facility" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg file. CFName=*nodename* is not found.

Content:

The configuration file of the Azure (SA_vmazureReset) shutdown agent is not correct. The CF node name *<nodename>* is not found.

Corrective action:

Add the required settings in the configuration file of the Azure (SA_vmazureReset) shutdown agent.

For details on the items of the configuration file, refer to "Setting up the Shutdown Facility" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg file. *itemname* is not found.

Content:

The configuration file of the Azure (SA_vmazureReset) shutdown agent is not correct. The required item name *<itemname>* is not found.

Corrective action:

Add the required settings in the configuration file of the Azure (SA_vmazureReset) shutdown agent.

For details on the items of the configuration file, refer to "Setting up the Shutdown Facility" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

If InstanceID is displayed in *itemname*, replace it with ResourceID.

Illegal /etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg file. The invalid data is included.

Content:

The invalid data is included in the configuration file of the Azure (SA_vmazureReset) shutdown agent.

Corrective action:

Delete the invalid data from the configuration file of the Azure (SA_vmazureReset) shutdown agent.

For details on the items of the configuration file, refer to "Setting up the Shutdown Facility" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg file. CFName=*nodename* is not found.

Content:

The configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent is not correct. The CF node name *<nodename>* is not found or is not correct.

Corrective action:

Set the correct CF node name *<nodename>* in the configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent.

For details on the items of the configuration file, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg file. *itemname* is not found.

Content:

The configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent is not correct. The item name *<itemname>* is not found.

Corrective action:

Add the required settings in the configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent.

For details on the items of the configuration file, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg file. The invalid data is included.

Content:

The invalid data is included in the configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent.

Corrective action:

Delete the invalid data from the configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent.

For details on the items of the configuration file, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg file. CFName=*nodename* is not found.

Content:

The configuration file of the OpenStack API (SA_vmosr) shutdown agent is not correct. The CF node name *<nodename>* is not found.

Corrective action:

Add the item "cfname" if it is not set in the configuration file of the OpenStack API (SA_vmosr) shutdown agent. If the item "cfname" is already set in the file, the specified CF node name is not correct. Modify the CF node name.

Illegal /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg file. *itemname* is not found.

Content:

The configuration file of the OpenStack API (SA_vmosr) shutdown agent is not correct. The required item name is not found.

Corrective action:

Add the required settings in the configuration file of the OpenStack API (SA_vmosr) shutdown agent.

Illegal /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg file. "*itemname*" is not found.

Content:

The setting of the RHOSP environment information file is not correct. The required item name is not found.

Corrective action:

Add the required settings in the RHOSP environment information file.

Illegal /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg file. The invalid character string of "/vX.X" is included in "*itemname*".

Content:

The invalid character string of "/vX.X" is included in the endpoint URL of the Identity service or the endpoint URL of the Compute service.

Corrective action:

Do not include any character strings from "/vX.X" in the endpoint URLs of both Identity and Compute services.

Illegal *configfile* file. *item* is not found

Content:

An item *item* is not found in a config file *configfile* on the node on which the message is displayed.

Corrective action:

Describe the information of *item* in a config file *configfile*.

See the references below and modify the config file.

- If the *configfile* is /opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg

"Creating the FJcloud-O Environment Information File" in "PRIMECLUSTER Installation and Administration Guide Cloud Services"

- If the *configfile* is /etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg

"Setting up the Shutdown Facility" in "Part 1 FJcloud-O Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services"

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Illegal kernel parameter. kernel.panic setting is incorrect.

Corrective action:

A value other than 0 is set to kernel.panic of the kernel parameter. Set 0.

For details on the items of the kernel parameter, refer to "Checking and Setting the Kernel Parameters" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal kernel parameter. kernel.sysrq setting is incorrect.

Corrective action:

0 is set to kernel.sysrq of the kernel parameter. Set a value other than 0.

For details on the items of the kernel parameter, refer to "Checking and Setting the Kernel Parameters" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Illegal kernel parameter. kernel.unknown_nmi_panic setting is incorrect.

Corrective action:

A value other than 1 is set to kernel.unknown_nmi_panic of the kernel parameter. Set 1.

For details on the items of the kernel parameter, refer to "Checking and Setting the Kernel Parameters" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

Malloc failed during function

Content:

Not enough memory.

Corrective action:

Increase virtual memory size (ulimit -v) or increase system memory. If the problem still remains, contact field engineers.

Node id number ICF communication failure detected

Content:

CF layer has detected the lost heartbeat.

Corrective action:

The rcsd will take the action.

rcsd died abnormally. Restart it.

Content:

After an abnormal termination, the shutdown daemon (rcsd) has restarted.

Corrective action:

As the shutdown daemon automatically recovers by itself, no action is required.

SA_Ikcd: FJSVossn is not installed.

Content:

The kdump shutdown agent cannot be used since the OS status notification feature (FJSVossn) of the PRIMERGY attached software is not installed.

Corrective action:

Install the OS status notification feature (FJSVossn).

**SA SA_blade to test host *nodename* failed
SA SA_ipmi to test host *nodename* failed
SA SA_Ikcd to test host *nodename* failed**

Content:

The node on which the message is displayed failed to connect BMC (iRMC) of the node *nodename* or the blade server.

Corrective action:

Check the following:

<Common>

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

<SA_ipmi is output>

- Check if the following settings are valid: the IP address of iRMC/BMC that is specified in the /etc/opt/SMAW/SMAWsf/SA_ipmi.cfg, and the user name and the password to log in to iRMC/BMC.
See "PRIMECLUSTER Installation and Administration Guide (Linux)" for the settings to specify in the /etc/opt/SMAW/SMAWsf/SA_ipmi.cfg.
- Check if iRMC/BMC is configured properly.
For how to configure iRMC/BMC and how to check the configuration, see "User's Guide" or "ServerView User's Guide" of each model.
- Check if iRMC/BMC is turned on.
- Check if the normal lamp of the port connected to the HUB and the LAN cable is ON.
- Check if LAN cables are properly connected to the iRMC/BMC connector or the HUB-side connector.
- Check if the IP address of iRMC/BMC belongs to the same segment as the cluster node.
- Check if iRMC/BMC has not restarted or updated the firmware.
- Check if the LAN access privilege of the user for logging in to iRMC/BMC specified in the SA_ipmi.cfg is set as Administrator.
- Check if IPMI (IPMI over LAN) of iRMC/BMC is enabled.

<SA_blade is output>

- Check if the IP address of the management blade and the slot number of the server blade, which are specified in the /etc/opt/SMAW/SMAWsf/SA_blade.cfg, are valid.
See "PRIMECLUSTER Installation and Administration Guide (Linux)" for 'timeout' configuration to specify the /etc/opt/SMAW/SMAWsf/SA_ipmi.cfg.
- Check if the blade server is configured properly.
For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Linux)."
For how to configure the blade server and how to check the configuration, see "ServerView User's Guide" and each hardware guide provided with a machine.
- Check if the normal lamp of the port which is connected by HUBs and LAN cables is on.
- Check if LAN cables are properly connected to the management blade connector or the HUB connector.
- Check if the management blade has not restarted or updated the firmware, or check if the management blade in the master mode has not been switched.

<SA_lkcd is output>

- Check if the timeout value of SA_lkcd that is specified in the /etc/opt/SMAW/SMAWsf/rcsd.cfg is correct.
Check if the /etc/opt/SMAW/SMAWsf/SA_lkcd.tout is also specified properly. To specify these files, see "PRIMECLUSTER Installation and Administration Guide (Linux)." Correct the errors if needed. Check and correct the errors on all the nodes.
- Check if the following command is executed when the shutdown agent is configured.

```
# /etc/opt/FJsvcllkcd/bin/panicinfo_setup
```

When using the Diskdump shutdown agent or the Kdump shutdown agent, execute the above command after the IMPI shutdown agent or the Blade shutdown agent is configured. When the configuration of the IMPI shutdown agent or the Blade shutdown agent is changed, execute the above command again.

- When the Diskdump shutdown agent is used, check if Diskdump is configured properly. When the Kdump shutdown agent is used, check if kdump is configured properly. For how to configure Diskdump or kdump and how to check the configuration, see "PRIMECLUSTER Installation and Administration Guide (Linux)."
- When the IPMI shutdown agent is used, check the above <SA_ipmi is output>. When the Blade shutdown agent is used, check the above <SA_blade is output>.

If the error cause was any one of the above check items, take the corrective action. Then, restart the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, a network failure or a failure of either BMC (iRMC), blade server, or HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_icmp to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to the node *nodename*

Corrective action:

Check the following:

- If events such as panic or hang-up has not occurred on the host OS.
- If guest OSES, the host OS, or the network do not have high load.
- If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- If the node *nodename* is not stopped.
- If the IP address or the network interface that is specified for /etc/opt/SMAW/SMAWsf/SA_icmp.cfg is valid.
See "PRIMECLUSTER Installation and Administration Guide (Linux)" to specify the /etc/opt/SMAW/SMAWsf/SA_icmp.cfg.
- If the virtual IP addresses or the network interface that are allocated for guest OSES are valid.
- If the normal lamp of the port which is connected by HUBs and LAN cables is on.
- If the cables are properly connected.
- If the error cause was any one of the above check items, restart the SNMP asynchronous monitoring function and the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, a network failure or a failure of HUB may be the cause of the error. In this case, contact field engineers.

[SA SA_ilomp.so to test host *nodename* failed](#)

[SA SA_ilomr.so to test host *nodename* failed](#)

[SA SA_rccu.so to test host *nodename* failed](#)

[SA SA_xscfp.so to test host *nodename* failed](#)

[SA SA_xscfr.so to test host *nodename* failed](#)

Content:

The node on which the message is displayed failed to check the connection to XSCF, RCCU, or ILOM on the node *nodename*.

Corrective action:

Check the following:

<Common>

- Check if the system or the network has high load.
- Solaris PRIMECLUSTER 4.2A00 or earlier

Execute the following commands to restart the console monitoring agent and the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrccumonctl stop
# /etc/opt/FJSVcluster/bin/clrccumonctl start
# /opt/SMAW/bin/sdtool -b
```

- Solaris PRIMECLUSTER 4.3A10 or later

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

<When RCCU is used for consoles>

- Check if the console information of RCCU such as the IP address or the node name is correct.
Use `clrccusetup(1M)` to check the configured console information. If the console information is not correct, use `clrccusetup(1M)` to register the console information again.
- Check if RCCU is configured properly.
For how to configure RCCU and how to check the configuration, see an operation manual provided with RCCU.
- Check if RCCU is turned on.
- Check if the normal lamp of the port which is connected by HUBs and LAN cables is on.
- Check if LAN cables are properly connected to the RCCU connector or the HUB connector.
- Check if the IP address of RCCU belongs to the same segment as the administrative LAN.

<When XSCF is used for consoles>

- Check if the console information of XSCF such as the IP address or the connection protocols (telnet and SSH) is correct.
Use `clrccusetup(1M)` to check the configured console information. If the console information is not correct, use `clrccusetup(1M)` to register the console information again.
- Check if XSCF is configured properly.
For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."
For how to configure XSCF and how to check the configuration, see "XSCF (eXtended System Control Facility) User's Guide."
- When SSH is used to connect to XSCF
 - Check if the login user account for the shutdown facility is used to connect the cluster node with XSCF by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
 - Check if a password authentication is used as a user authentication to connect the cluster node with XSCF by SSH.
If an auto password authentication such as a public key authentication is used for XSCF, disable it. For how to configure XSCF or how to check the configuration, see "XSCF (eXtended System Control Facility) User's Guide."
- Check if the normal lamp of the port which is connected by HUBs and LAN cables is on.
- Check if LAN cables are properly connected to the XSCF-LAN port connector of XSCF or the HUB connector.

- Check if the XSCF shell port, which belongs to the telnet port, is not connected from out of a cluster.

Connect to the XSCF shell port through a serial port (tty-a) to check the connection status. For how to connect and how to check the connection, see "XSCF (eXtended System Control Facility) User's Guide."

- Check if the IP address of XSCF belongs to the same segment as the administrative LAN.
- Check if the firmware in XSCF has not been restarted or updated, or if an event such as XSCF failover has not occurred.

<When ILOM is used for consoles>

- Check if the console information of ILOM such as the IP address or the node name is correct.

Use `clrcusetup(1M)` to check the configured console information. If the console information is not correct, use `clrcusetup(1M)` to register the console information again.

- Check if ILOM is configured properly.

For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)." See below manuals for how to configure ILOM and how to check the configuration.

- ILOM 2.x

"Integrated Lights Out Manager User's Guide"

- ILOM 3.0

"Integrated Lights Out Manager (ILOM) 3.0 Concepts Guide"

"Integrated Lights Out Manager (ILOM) 3.0 Web Interface Procedures Guide"

"Integrated Lights Out Manager (ILOM) 3.0 CLI Procedures Guide"

"Integrated Lights Out Manager (ILOM) 3.0 Getting Started Guide"

- Check if the login user account for the shutdown facility is used to connect the cluster node with ILOM by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
- For ILOM 3.0, check if a password authentication is used as a user authentication to connect the cluster node with ILOM by SSH. If an auto password authentication such as a public key authentication or host key based authentication is used for ILOM, disable it. For how to configure ILOM or how to check the configuration, see the above manuals for ILOM 3.0.
- Check if the normal lamp of the port which is connected by HUBs and LAN cables is on.
- Check if LAN cables are properly connected to network control (NET MGT) port connector of ILOM or the HUB connector.
- Check if ILOM has not restarted or updated the firmware.

If the error cause was any one of the above check items, take the corrective action. Then, restart the console monitoring agent and the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrcumonctl stop
# /etc/opt/FJSVcluster/bin/clrcumonctl start
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, a network failure or a failure of either RCCU, XSCF, ILOM, or HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_irmcf.so to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to MMB on the node *nodename*.

Corrective action:

Check if the following messages have been output just before the above message is output. If they have been output, refer to "[4.5 Error Messages](#)" and take the corrective actions.

- 7210 An error was detected in MMB.
- 7214 The username or password to login to the MMB is incorrect.
- 7606 The snmptrapd is not running.
- 7609 The IPMI service is not running.
- 7610 The authority of user to login to MMB is incorrect.

If these messages have not been output, record this message, collect information for an investigation, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_irmcp.so to test host *nodename* failed **SA SA_irmcr.so to test host *nodename* failed**

Content:

The node on which the message is displayed failed to check the connection to iRMC on the node *nodename*.

Corrective action:

Check if the following messages have been output just before the above message is output. If they have been output, refer to "[4.5 Error Messages](#)" and take the corrective actions.

- 7602 The user name or password to login to iRMC is incorrect.
- 7603 The authority of user to login to iRMC is incorrect.
- 7604 An error has been detected in the transmission route to iRMC.
- 7605 An error has been detected in iRMC.
- 7606 The snmptrapd is not running.
- 7609 The IPMI service is not running.

If these messages have not been output, record this message, collect information for an investigation, and then contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_kzchkhost to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to ILOM or XSCF on the node *nodename*.

Corrective action:

Check the following:

<Common>

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the normal lamp of the port which is connected by HUBs and LAN cables is on.

<ILOM (SPARC T4, T5, T7, S7)>

- Check if the global zone host information such as the IP address or node name of ILOM is correct.

Use the SF Wizard to check the set global zone host information.

If the global zone host information is not correct, use the SF Wizard to register the information again.

- Check if ILOM is configured properly.

For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

See below manuals for how to configure ILOM and how to check the configuration:

"Integrated Lights Out Manager (ILOM) 3.0 Concepts Guide"

"Integrated Lights Out Manager (ILOM) 3.0 Web Interface Procedures Guide"

"Integrated Lights Out Manager (ILOM) 3.0 CLI Procedures Guide"

"Integrated Lights Out Manager (ILOM) 3.0 Getting Started Guide"

- Check if the login user account for the shutdown facility is used to connect Kernel Zone with ILOM by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
- Check if a password authentication is used as a user authentication to connect Kernel Zone with ILOM by SSH.

If an auto password authentication such as a public key authentication or host key based authentication is used for ILOM, disable it. For how to configure ILOM or how to check the configuration, see the above manuals for ILOM 3.0.

- Check if LAN cables are properly connected to network control (NET MGT) port connector of ILOM or the HUB connector.
- Check if ILOM has not restarted or updated the firmware.

<XSCF (SPARC M10, M12)>

- Check if the configuration information of the logical domains has been saved.
- Check if the states of the logical domains can be checked in XSCF.

When either of the above is found to be the cause of the error, use the `ldm add-sponconfig` command to save the configuration information of the logical domains.

- Check if the system or the network has high load.
- Check if the global zone host information such as the IP address, node name, or the connection protocols (telnet and SSH) in XSCF is correct.

Use the SF Wizard to check the set global zone host information.

If the global zone host information is not correct, use the SF Wizard to register the information again.

- Check if XSCF is configured properly.

For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

For how to configure XSCF and how to check the configuration, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."

- When SSH is used to connect to XSCF.
 - Check if the login user account for the shutdown facility is used to connect Kernel Zone with XSCF by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
 - Check if a password authentication is used as a user authentication to connect Kernel Zone with XSCF by SSH.

If an auto password authentication such as a public key authentication is used for XSCF, disable it.

For how to configure XSCF and how to check the configuration, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."

- Check if LAN cables are properly connected to the XSCF-LAN port connector of XSCF or the HUB connector.
- Check if the XSCF shell port is not connected from out of a cluster.

Connect to the XSCF shell port through a serial port to check the connection status. For how to connect and how to check the connection, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."

- Check if the IP address of XSCF belongs to the same segment as the administrative LAN or the asynchronous monitoring sub-LAN.
- Check if the firmware in XSCF has not been restarted or updated, or if an event such as XSCF failover has not occurred.

If the error cause was any one of the above check items, take the corrective action. Then, restart the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, a network fault or a hardware failure of ILOM, XSCF, or HUB may be the error cause. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_kzonep to test host *nodename* failed

SA SA_kzoner to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to Kernel Zone on the node *nodename*.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the normal lamp of the port which is connected by HUBs and LAN cables is on.
- Check if LAN cables are properly connected to the administrative LAN port connector or the HUB connector.
- Check if the Kernel Zone information such as the zone name or the global zone host name is correct.

Use the SF Wizard to check the set Kernel Zone information.

If the Kernel Zone information is not correct, use the SF Wizard to register the information again.

- Check if the login user account for the shutdown facility is used to connect Kernel Zone with the global zone host by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
- Check if XSCF is configured properly.

For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If the error cause was any one of the above check items, take the corrective action. Then, restart the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, a network fault or a hardware failure of HUB may be the error cause. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_libvirtgp to test host *nodename* failed

SA SA_libvirtgr to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to the hypervisor on the node *nodename*.

Corrective action:

Check the following:

- If the guest OSES, hypervisor, or the network has high load.
- If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- If the following configurations are correct.
 - /etc/opt/SMAW/SMAWsf/SA_libvirtgp.cfg
 - /etc/opt/SMAW/SMAWsf/SA_libvirtgr.cfg

Specify a user password for the shutdown facility that is encrypted by the /opt/SMAW/bin/sfcipher command.

See "PRIMECLUSTER Installation and Administration Guide (Linux)" to specify these files.

- If a passphrase is not configured to connect to the hypervisor.
- If the hypervisor or the guest OSES are configured properly.
- If the virtual IP addresses that are allocated for guest OSES are valid.

See "PRIMECLUSTER Installation and Administration Guide (Linux)" for configuration of the hypervisor or the guest OSES.
- If the sudo command is configured for a login user account of the shutdown facility.

See "PRIMECLUSTER Installation and Administration Guide (Linux)" for configuration of the sudo command.
- Check if the login user account for the shutdown facility is used to connect the guest OS (node) with hyper visor by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
- Check If a password authentication is used as a user authentication to connect the guest OS (node) with hyper visor by SSH.
- If an auto password authentication such as a public key authentication is used for hyper visor, disable it. If the normal lamp of the port which is connected by HUBs and LAN cables is on.
- If the cables are connected properly.
- If events such as panic or hang-up has not occurred on the hyper visor.

If the error cause was any one of the above check items, restart the SNMP asynchronous monitoring function and the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, hardware failure such as a network failure or a failure of HUB may be the cause of the error. In this case, contact field engineers.

[SA SA_mmbp.so to test host *nodename* failed](#)
[SA SA_mmbp.so to test host *nodename* failed](#)

Content:

The node on which the message is displayed failed to check the connection to MMB on the node *nodename*.

Corrective action:

When this message is output only right after the OS is started and the below 3083 message is output 10 minutes after the message has been output, no corrective action is required. The message is displayed only because the snmprpd daemon is under activation.

3083: Monitoring another node has been started.

If the error does not correspond to the above, check the following settings.

- Check if the IP address of MMB is properly specified. Also check if the IP address of the administrative LAN on the local node, which is configured for the shutdown daemon of the MMB shutdown facility, is properly specified.
- Check if the user name and the password to control MMB by RMCP, which are registered for the MMB information of the MMB shutdown facility, are valid.
- Check if the user's [Privilege] to control MMB by RMCP, which is configured for the MMB shutdown facility, is "Admin".
- Check if the user's [Status] to control MMB by RMCP, which is configured for the MMB shutdown facility, is "Enabled".

For how to check the configuration to control MMB by RMCP, which is configured for the MMB shutdown facility, see the manual provided with the machine.

If the IP address of MMB is changed, or the MMB information of the MMB shutdown facility should be changed because it has an error, see the description of changing the administration configuration in "PRIMECLUSTER Installation and Administration Guide (Linux)" for the corrective action. If the IP address of MMB is changed, the procedure to change the IP address of MMB, which is described in the manual, is not required.

If other configurations have errors, correct them and then execute the following commands on all the nodes to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the configuration does not have errors, check the following:

- Check if the snmptrapd daemon is started (check the process of snmptrapd by the ps [1] command or other commands).
- Check if the normal lamp of the port connected to the HUB and the LAN cable is ON.
- Check if LAN cables are properly connected to the MMB port connector or the HUB-side connector.
- Check if MMB has not restarted or updated the firmware, or if an event such as a switch of Active MMB has not occurred.
- Check if MMB does not have failures.
- Check if the nodes and the network do not have load.

If one of the above is found to be the cause of the error, the MMB monitoring agent will be automatically recovered after the corrective action is taken. Maximum 10 minutes are required for this automatic recovery.

When the connection fails again even after the above action is taken, a network failure or a failure in hardware such as MMB or HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_pprcip.so to test host *nodename* failed

SA SA_pprcir.so to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to RCI on the node *nodename*.

Corrective action:

Check the following:

- If the system does not have load.
 - Solaris PRIMECLUSTER 4.2A00 or earlier

Execute the following commands to restart the RCI asynchronous monitoring function and the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /etc/opt/FJSVcluster/bin/clrcimonctl stop
```

```
# /etc/opt/FJSVcluster/bin/clrcimonctl start
# /opt/SMAW/bin/sdtool -b
```

- Solaris PRIMECLUSTER 4.3A10 or later
- If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- If RCI is properly configured. The RCI address does not have following errors.
 - If the RCI address is configured.
 - If the RCI address is not duplicated.
 - If the RCI address of another node is changed while the RCI asynchronous monitoring function is active.
- If the cable is connected properly.
- The monitoring time out time through SCF/RCI is properly configured in the /etc/system file. For how to configure the monitoring timeout time, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."
- If the RCI device has not restarted or upgraded the firmware.

If the error cause was any one of the above check items, restart the SNMP asynchronous monitoring function and the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clrcimonctl stop
# /etc/opt/FJSVcluster/bin/clrcimonctl start
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, hardware failure such as a failure of RCI cables or a failure of the System Control Facility (SCF) may be the cause of the error. In this case, record this message and collect both the SCF dump and information for investigation before contacting our field engineers. For how to collect the SCF dump and information for investigation, see "PRIMECLUSTER Installation and Administration Guide"

SA SA_rpdu to test host *nodename* failed

Content:

Connection from the node where the error message is output to the Remote Power Distribution Unit connected to the unit of the node *nodename* failed.

Corrective action:

Check the following points:

Corrective action 1

- Check if any error occurred in the Remote Power Distribution Unit.
- See the manual of the Remote Power Distribution Unit to check if any error occurred in the Remote Power Distribution Unit. Follow the manual and take the corrective action.

Corrective action 2

- The system or the network is not under load.

If this message is no longer displayed 10 minutes after the first message is displayed, the connection may be recovered.

Execute the following command to check that the Shutdown Facility is working correctly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the following items of the Remote Power Distribution Unit which is specified in the RPDU Shutdown Agent are set correctly: IP address, outlet number, user name, and password.

Check the setting of the RPDU Shutdown Agent.

For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

- The outlet connected to the node is ON.

Execute the following command to check the status of the Remote Power Distribution Unit.

```
# /opt/SMAW/SMAWsf/bin/sfrpdupoweron -l
```

If the displayed status of the outlet is OFF, execute the following command to switch the outlet to ON.

```
# /opt/SMAW/SMAWsf/bin/sfrpdupoweron -p CF nodename
```

- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is correctly connected to the HUB connector or the LAN port connector of the Remote Power Distribution Unit.
- The firmware is not restarted nor updated in the Remote Power Distribution Unit.
- The user who accesses the Remote Power Distribution Unit has the required authority.

The required authority may not be given to the user specified for the setting of the RPDU Shutdown Agent.

For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If any of the status above is the cause of the connection failure, take the corrective action first.

After that, execute the following commands on the node where the message is output, and then restart the Shutdown Facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the above corrective actions cannot solve this error, record this message and collect information for an investigation. Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA_SA_sunF to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to ALOM on the node *nodename*.

Corrective action:

Check the following:

- If the system does not have load.
- If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- If the IP address of ALOM, the user name and the password to log in ALOM, which are specified in the `/etc/opt/SMAW/SMAWsf/SA_sunF.cfg` are correct.

For how to specify the `/etc/opt/SMAW/SMAWsf/SA_sunF.cfg`, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

- If ALOM is properly configured.

For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

For how to configure the ALOM and how to check the configuration, see "Advanced Lights Out Management (ALOM) CMT guide."

- If the normal lamp of the port which is connected by HUBs and LAN cables is on.
- If LAN cables are properly connected to the network control port (NET MGT) connector of ALOM or the HUB connector.
- If ALOM has not restarted or upgraded the firmware.

If the error cause was any one of the above check items, restart the SNMP asynchronous monitoring function and the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, hardware failure such as a network failure or a failure of ALOM or HUB may be the cause of the error. In this case, contact field engineers.

SA SA_vmawsReset to test host *nodename* failed

SA SA_vmawsAsyncReset to test host *nodename* failed

Content:

The node on which the message is displayed failed to connect the node *nodename*.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration file (`/etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg`, or `/etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg`) is specified correctly.

For settings of the configuration file, refer to "Setting up the Shutdown Facility" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

- Check if the AWS Command Line Interface (hereinafter AWS CLI) is set correctly.

Make sure that the credentials of an IAM user set with the `aws configure` command are correct.

- Check if the version 1 (1.16 or later) of the AWS CLI is installed.
- Check if the AWS CLI is installed for the root user (`/root/.local/bin`), not in `/usr/local/aws`, `/usr/local/bin`.
- Check if the instance on which the cluster host is running can communicate with the AWS endpoint.

If the error cause was any one of the above check items, take the corrective action. Then, restart the shutdown facility by executing the following commands on the node where the above message is output.

```
# /opt/SMAW/bin/sdtool -e
# /opt/SMAW/bin/sdtool -b
```

If the problem is not resolved by the above action, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_vmazureReset to test host *nodename* failed

Content:

The node on which the message is displayed failed to connect the node *nodename*.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration file (/etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg) is specified correctly.
 - For *nodename*, set the information of the environment where PRIMECLUSTER is installed.
 - For settings of *nodename*, refer to "Setting up the Shutdown Facility" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the virtual machine on which the cluster host is running can communicate with the Azure endpoint.
- Check if the Azure CLI is installed and the service principal is registered.
- Check if the file path where the certificate file of the service principal is located is specified in CertPath of the configuration file of the Azure (SA_vmazureReset) shutdown agent.

If the problem is not resolved by the above actions, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_vmchkhost to test host *nodename* failed
SA SA_vmgrp to test host *nodename* failed
SA SA_vmSPgp to test host *nodename* failed
SA SA_vmSPgr to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to the host OS on the node *nodename*.

Corrective action:

Check the following:

- If events such as panic or hang-up has not occurred on the host OS.
- If the guest OS, host OS, or the network has high load.
- If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the following configurations are correct when the output message is either SA_vmchkhost, SA_vmSPgp, or SA_vmSPgr.
 - /etc/opt/SMAW/SMAWsf/SA_vmchkhost.cfg
 - /etc/opt/SMAW/SMAWsf/SA_vmSPgp.cfg
 - /etc/opt/SMAW/SMAWsf/SA_vmSPgr.cfg

Specify the account of the host OS and the login password of FJSVvmSP that are encrypted by the /opt/SMAW/bin/sfcipher command.

See "PRIMECLUSTER Installation and Administration Guide (Linux)" to specify these files.

- Check if the host OS information, which are the IP address, user name, and the node name of the host OS, are correct when the output message is SA_vmgrp.

Use clrcusetup(1M) to check the configured console information. If there is any error in the information, use clrcusetup(1M) to register the console information again.

- If a passphrase is not configured to connect to the hypervisor.

- If the virtual IP addresses that are allocated for guest OSES are valid.
- If the host OS or the guest OSES are configured properly.
See "PRIMECLUSTER Installation and Administration Guide (Linux)" for configuration of the host OS or the guest OSES.
- Check if the login user account for the shutdown facility is used to connect the guest OS (node) with the host OS by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
- Check if a password authentication is used as a user authentication to connect the guest OS (node) with the host OS by SSH. If an auto password authentication such as a public key authentication is used for the host OS, disable it.
- If the normal lamp of the port which is connected by HUBs and LAN cables is on.
- If LAN cables are properly connected to the PRIMEQUEST connector.

If the error cause was any one of the above check items, restart the SNMP asynchronous monitoring function and the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, hardware failure such as a network failure or a failure of HUB may be the cause of the error. In this case, contact field engineers.

SA SA_vmk5r to test host *nodename* failed

Content:

The node on which the message is displayed failed to connect the node *nodename*.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the environment information of FJcloud-O specified in the /opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg is correct.
For how to specify the /opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg, see "Creating the FJcloud-O Environment Information File" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the items such as a virtual server name, and a user name and a password for forcibly stopping the virtual server that are specified in the /etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg are correct.
For how to specify the /etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg, see "Setting up the Shutdown Facility" in "Part 1 FJcloud-O Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if a password of a user for forcibly stopping the virtual server specified in the /etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg has not expired (90 days).
See "Changing a Password Periodically" in "PRIMECLUSTER Installation and Administration Guide Cloud Services" and change the password. Also, change the password periodically.
- Check if the virtual server on which the cluster host is running can communicate with the endpoint for the regional user management or the endpoint for the compute (standard service) in FJcloud-O.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_vmnifclAsyncReset to test host *nodename* failed.

Content:

The node on which the message is displayed failed to connect the node *nodename*.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration file (/etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg) is specified correctly.

For settings of the configuration file, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

- Check if the server on which the cluster host is running can communicate with the NIFCLOUD endpoint.

If the error cause was any one of the above check items, take the corrective action. Then, restart the shutdown facility by executing the following commands on the node where the above message is output.

```
# /opt/SMAW/bin/sdtool -e  
# /opt/SMAW/bin/sdtool -b
```

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_vmosr to test host *nodename* failed

Content:

The node on which the message is displayed failed to connect to the node *nodename*.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the following configurations are correct.

- /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg
- /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg

Specify the user password for instance control in RHOSP encrypted by the /opt/SMAW/bin/sfcipher command.

For details on specifying these files, see "PRIMECLUSTER Installation and Administration Guide (Linux)."

- Check if the admin role is given to the user for instance control in RHOSP.
- Check if the instance where the cluster host is running can communicate with both Identity and Compute services in RHOSP.

If the error cause was any one of the above check items, take the corrective action. Then, restart the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e  
# /opt/SMAW/bin/sdtool -b
```

When the connection fails again even after the above action is taken, hardware failure such as a network failure or a failure of HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_vwvnr to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to vCenter Server.

Corrective action:

Check the following:

- Make sure that the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Make sure that the setting items of vCenter Server including IP address, port number, user name, and password specified in /etc/opt/SMAW/SMAWsf/SA_vwvnr.cfg are valid.
- Make sure that the VM name specified in /etc/opt/SMAW/SMAWsf/SA_vwvnr.cfg is valid.
- Make sure that /etc/opt/SMAW/SMAWsf/SA_vwvnr.cfg contains Japanese characters, and the character code of SA_vwvnr.cfg must be UTF-8.

For details on specifying /etc/opt/SMAW/SMAWsf/SA_vwvnr.cfg, see "PRIMECLUSTER Installation and Administration Guide (Linux)."

- Make sure that the necessary permission or the role to power off VM is set to the user specified in /etc/opt/SMAW/SMAWsf/SA_vwvnr.cfg.

For details on user permissions, see "PRIMECLUSTER Installation and Administration Guide (Linux)."

- Make sure that the network interface that are allocated for guest OSES are valid.
- Make sure that the normal lamp of the port which is connected by HUBs and LAN cables is on.
- Make sure that the cables are properly connected.

If any of the status above is the cause of the connection failure, take the corrective action first.

After that, execute the following commands on the node where the message is output, and then restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e  
# /opt/SMAW/bin/sdtool -b
```

If the connection can still not be established after checking above items, the possible cause may be a hardware damage (e.g. network or hub failure). In that case, please contact field engineers.

When this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA SA_xscfsnmpg0p.so to test host *nodename* failed SA SA_xscfsnmpg1p.so to test host *nodename* failed SA SA_xscfsnmpg0r.so to test host *nodename* failed SA SA_xscfsnmpg1r.so to test host *nodename* failed SA SA_xscfsnmp0r.so to test host *nodename* failed SA SA_xscfsnmp1r.so to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to XSCF on the node *nodename*.

Corrective action:

Check the following:

<Corrective action 1>

- If the operation has been performed for the cluster after Migration.
- If the guest domain, which was stopped by Cold Migration, has been started.

When either of the above is found to be the cause of the error, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" to perform the operation after Migration.

<Corrective action 2>

- If the configuration information of the logical domains has been saved.
- If the states of the logical domains can be checked in XSCF.

When either of the above is found to be the cause of the error, use the `ldm add-spconfig` command to save the confirmation information of the logical domains.

<Corrective action 3>

- Whether a load is placed on the system or the network.
- If the console information of XSCF such as the IP address, node name, or the connection protocols (telnet and SSH) is correct.
- Use `clrcusetup(1M)` to check the configured SNMP asynchronous monitoring information. If there is any error in the information, use `clrcusetup(1M)` to register the console information again.
- If XSCF is configured properly.
- For the special notes to configure the shutdown facility, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."
- For how to configure XSCF and how to check the configuration, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."
- When SSH is used to connect to XSCF.
 - Check if the login user account for the shutdown facility is used to connect the cluster node with XSCF by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
 - Check if a password authentication is used as a user authentication to connect the cluster node with XSCF by SSH.
 - If an auto password authentication such as a public key authentication is used for XSCF, disable it. For how to configure XSCF and how to check the configuration, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."
- If the normal lamp of the port which is connected by HUBs and LAN cables is on.
- If LAN cables are properly connected to the XSCF-LAN port connector of XSCF or the HUB connector.
- If the XSCF shell port, which belongs to the telnet port, is not connected from out of a cluster.
- Connect to the XSCF shell port through a serial port to check the connection status. For how to connect and how to check the connection, see "Fujitsu SPARC M12 and Fujitsu M10/SPARC M10 System Operation and Administration Guide."
- If the IP address of XSCF belongs to the same segment as the administrative LAN or the asynchronous monitoring sub-LAN.
- If the firmware in XSCF has not been restarted or updated, or if an event such as XSCF failover has not occurred.

If the error cause was any one of the above check items, restart the SNMP asynchronous monitoring function and the shutdown facility by executing the following commands on the node which output the above message.

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clsnpmonctl stop
# /etc/opt/FJSVcluster/bin/clsnpmonctl start
# /opt/SMAW/bin/sdtool -b
```

<Corrective action 4>

- If the port number (No.9385) of the SNMP trap receiver daemon (snmptrapd) that is used in the shutdown facility is duplicated with the port number of the other product.

When the above is found to be the cause of the error, see "Changing Port Numbers for SNMP" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

<Corrective action 5>

- If the status of the SMF service (svc:/milestone/fjsvcldevtrap) in the shutdown facility is online.

Execute the following command to check the status of the fjsvcldevtrap service.

```
# svcs svc:/milestone/fjsvcldevtrap
```

If the status is either disabled or maintenance, take the following actions.

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clsnpmonctl stop
# /etc/opt/FJSVcluster/bin/clsnpmonctl start
# /opt/SMAW/bin/sdtool -b
```

<Corrective action 6>

- If the SNMP agent of XSCF works correctly.

Log in to XSCF and execute the showsnmp command. Check the execution result.

```
XSCF> showsnmp
```

[Checklist]

- "Agent Status: Enabled" is output
- "Enabled MIB Modules: None" is not output

If the execution result does not match the expected output results in the checklist above, execute the following commands on XSCF.

```
XSCF> setsnmp disable
XSCF> setsnmp enable
```

After that, take the following actions on all cluster nodes.

```
# /opt/SMAW/bin/sdtool -e
# /opt/SMAW/bin/sdtool -b
```

<Other corrective actions>

If the error cause was not any one of the above check items, a network fault or a hardware fault such as XSCF or HUB may be the error cause. In this case, contact field engineers.

If the problem is not resolved by the above action, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA Shutdown Agent to init host *nodename* failed

Content:

Initializing the shutdown agent *Monitoring Agent* for the node *<nodename>* failed.

Corrective action:

Check the following points:

<Corrective action 1>

Make sure that the shutdown agent is properly configured. For how to configure the shutdown agent, see "PRIMECLUSTER Installation and Administration Guide."

<Corrective action 2>

Make sure that the asynchronous monitoring agent is started. For how to verify that the asynchronous monitoring agent is started, refer to "PRIMECLUSTER Installation and Administration Guide." If the asynchronous monitoring agent is stopped, take the following procedure:

1. Stop the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

2. Start the asynchronous monitoring daemon according to your environment. For how to start the asynchronous monitoring daemon, refer to "PRIMECLUSTER Installation and Administration Guide."

3. Start the shutdown facility.

```
# /opt/SMAW/bin/sdtool -b
```

If the failure continues after taking the above actions, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA Shutdown Agent to test host *nodename* failed

Content:

The node on which the message is displayed failed to check the connection to the node *nodename*.

The connection destination varies depending on each shutdown agent.

Corrective action:

Check the following. The connection destination varies depending on each shutdown agent.

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration of the shutdown daemon (/etc/opt/SMAW/SMAWsf/rcsd.cfg) or the configuration of the shutdown agent is correct.
- Check if the configuration of the connection destination is correct.
- When SSH is used to connect to the connection destination, check if the login user account for the shutdown facility is used to connect the cluster node with the connection destination by SSH, and the user authentication (such as creating RSA key) has been completed to connect by SSH for the first time.
- Check if a password authentication is used as a user authentication to connect the cluster node with the connection destination by SSH.

If an auto password authentication such as a public key authentication is used for the connection destination, disable it.

- Check if the cables are properly connected to the connection destination.

If the error cause was any one of the above check items, take the corrective action. Then, restart the shutdown facility by executing the following commands on the node which output the above message. Some shutdown agents require the restart of the asynchronous monitoring function.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```


When the connection fails again even after the above action is taken, hardware failure such as a network failure, a failure of the connection destination or HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

SA Shutdown Agent to unlnit host *nodename* failed

Content:

The shutdown process of the shutdown agent <*Shutdown Agent*> for the node <*nodename*> failed.

Corrective action:

Collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

select of CLI Pipe & RCSDNetPipe failed, errno *errno*

Content:

The select function in the shutdown daemon returns abnormally.

Corrective action:

The shutdown facility starts the operation to restart the pipe of CLI. No action is required because this does not affect other processes that are operated by the system.

string in file *file* around line *number*

Content:

The syntax in *rcsd.cfg* is incorrect.

Corrective action:

Correct the syntax error.

The attempted shutdown of cluster host *nodename* has failed

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The authentication request failed.

Content:

- When using SA_vmk5r

The authentication request failed on the node on which the message is displayed.

- When using SA_vmosr

The authentication request of the token to the endpoint of the Identity service failed.

Corrective action:

- When using SA_vmk5r

Check the following:

- Check if the system or the network has high load.

- Check if the environment information of FJcloud-O specified in the /opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg is correct.
For how to specify the /opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg, see "Creating the FJcloud-O Environment Information File" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if a user name and a password for forcibly stopping a virtual server that are specified in the /etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg are correct.
For how to specify the /etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg, see "Setting up the Shutdown Facility" in "Part 1 FJcloud-O Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the virtual server on which the cluster host is running can communicate with the endpoint for the regional user management in FJcloud-O.

- When using SA_vmosr

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the following configurations are correct.
 - /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg
 - /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg

Specify the user password for instance control in RHOSP encrypted by the /opt/SMAW/bin/sfcipher command.

For details on specifying these files, see "PRIMECLUSTER Installation and Administration Guide (Linux)."

- Check if the instance where the cluster host is running can communicate with the Identity service in RHOSP.

When the connection fails again even after the above action is taken, a network failure or a failure in hardware such as HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The AWS CLI execution failed.

Corrective action:

Check if the AWS CLI is installed with a root user.

For installation of the AWS CLI, refer to "Installing the AWS Command Line Interface" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

If the problem is not resolved by the above action, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The Azure CLI execution failed.

Corrective action:

Check if the Azure CLI is installed with a root user.

For installation of the Azure CLI, refer to "Installing the Azure Command-Line Interface" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

If the problem is not resolved by the above action, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The configuration file `/etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg` does not exist.
The configuration file `/etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg` does not exist.

Content:

The configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent does not exist.

Corrective action:

Create the configuration file of the AWS CLI (SA_vmawsReset, SA_vmawsAsyncReset) shutdown agent.

For details on creating the configuration file, refer to "Setting up the Shutdown Facility" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

The configuration file `/etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg` does not exist.

Content:

The configuration file of the Azure (SA_vmazureReset) shutdown agent does not exist.

Corrective action:

Create the configuration file of the Azure (SA_vmazureReset) shutdown agent.

For details on creating the configuration file, refer to "Setting up the Shutdown Facility" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

The configuration file `/etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg` does not exist.

Content:

The configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent does not exist.

Corrective action:

Create the configuration file of the NIFCLOUD API (SA_vmnifclAsyncReset) shutdown agent.

For details on creating the configuration file, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

The configuration file `/etc/opt/SMAW/SMAWsf/SA_vmosr.cfg` does not exist.

Content:

The configuration file of the OpenStack API (SA_vmosr) shutdown agent does not exist.

Corrective action:

Create the configuration file of the OpenStack API (SA_vmosr) shutdown agent.

The configuration file `/opt/SMAW/SMAWRrms/etc/os_endpoint.cfg` does not exist.

Content:

The RHOSP environment information file does not exist.

Corrective action:

Create the RHOSP environment information file.

The configuration file `configfile` does not exist

Content:

The configuration file `configfile` does not exist on the node on which the message is displayed.

Corrective action:

See the references below and create the config file `configfile`.

- If the *configfile* is `/opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg`
"Creating the FJcloud-O Environment Information File" in "PRIMECLUSTER Installation and Administration Guide Cloud Services"
- If the *configfile* is `/etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg`
"Setting up the Shutdown Facility" in "Part 1 FJcloud-O Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services"

The information acquisition request of the virtual machine *instance-id* failed.

Content:

The information acquisition request of the virtual machine for the AWS endpoint failed.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration file (`/etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg`) is specified correctly.
 - For *instance-id*, set the information of the environment where PRIMECLUSTER is installed.
 - For settings of *instance-id*, refer to "Setting up the Shutdown Facility" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the instance on which the cluster host is running can communicate with the AWS endpoint.
- Check if the AWS CLI is installed and the credentials are set.

If the problem is not resolved by the above action, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The information acquisition request of the virtual machine *instancename* failed.

Content:

The information acquisition request of the virtual machine to the endpoint of the Compute service failed.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the following configurations are correct.
 - `/opt/SMAW/SMAWRrms/etc/os_endpoint.cfg`
 - `/etc/opt/SMAW/SMAWsf/SA_vmosr.cfg`

Specify the user password for instance control in RHOSP encrypted by the `/opt/SMAW/bin/sfcipher` command.

For details on specifying these files, see "PRIMECLUSTER Installation and Administration Guide (Linux)."

- Check if the admin role is given to the user for instance control in RHOSP.

- Check if the instance where the cluster host is running can communicate with the Compute service in RHOSP.

When the connection fails again even after the above action is taken, hardware failure such as a network failure or a failure of HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The information acquisition request of the virtual machine *resource-id* failed.

Content:

The information acquisition request of the virtual machine for the Azure endpoint failed.

Corrective action:

Check the following:

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration file (/etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg) is specified correctly.
 - For *resource-id*, set the resource ID of the virtual machine where PRIMECLUSTER is installed.
 - For settings of *resource-id*, refer to "Setting up the Shutdown Facility" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the virtual machine on which the cluster host is running can communicate with the Azure endpoint.
- Check if the Azure CLI is installed and the service principal is registered.
- Check if the file path where the certificate file of the service principal is located is specified in CertPath of the configuration file of the Azure (SA_vmazureReset) shutdown agent.

If the problem is not resolved by the above actions, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The information acquisition request of the virtual machine *ServerName* failed.

Content:

[When this message is output in an FJcloud-O environment]

The information acquisition request of the virtual server *ServerName* failed on the node on which the message is displayed.

[When this message is output in a NIFCLOUD environment]

The information acquisition request of the server *ServerName* for the NIFCLOUD endpoint failed.

Corrective action:

Check the following:

[In an FJcloud-O environment]

- Check if the system or the network has high load.
- Check if the environment information of FJcloud-O specified in the /opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg is correct.

For how to specify the /opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg, see "Creating the FJcloud-O Environment Information File" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

- Check if a virtual server name, and a user name and a password for forcibly stopping the virtual server that are specified in the `/etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg` are correct.

For how to specify the `/etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg`, see "Setting up the Shutdown Facility" in "Part 1 FJcloud-O Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

- Check if the instance where the cluster host is running can communicate with the endpoint for the compute (standard service) in FJcloud-O.

[In a NIFCLOUD environment]

- Check if the system or the network has high load.

If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration file (`/etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg`) is specified correctly.

For *ServerName*, set the information of the environment where PRIMECLUSTER is installed. For settings, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

- Check if the server on which the cluster host is running can communicate with the NIFCLOUD endpoint.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The SF-CF event processing failed *string, status value*

Content:

When the "status 6147" is displayed during the shutdown processing, this means that the shutdown notification is received from other nodes.

When other messages are displayed, this means that an internal error occurred in the program.

Corrective action:

No corrective action is required when the "status 6147" is displayed during the shutdown processing. When the status is other than above, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The SF-CF has failed to locate host *nodename*

Content:

The node name in the `rcsd.cfg` is not the CF node name.

Corrective action:

Specify the CF node name for the node name in the `rcsd.cfg`. Check the CF node name by `cftool -n` command. Correct the `rcsd.cfg` and execute the following command to restart the shutdown facility.

```
# /opt/SMAW/bin/sdtool -e
```

```
# /opt/SMAW/bin/sdtool -b
```

If the above action does not work, record this message and collect information for an investigation. Then, contact field engineers.

The SF-CF initialization failed, *status value*

Content:

CF is not configured or CF may not be loaded.

Corrective action:

Configure CF.

See the manual below for configuration.

"Example of creating a cluster" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide"

The specified guest domain cannot be connected. (nodename:nodename)

Content:

The specified guest domain *nodename* cannot be connected.

Corrective action:

Check the following points:

- Whether a load is placed on the system or the network.

If it is a temporary load, no corrective action is required.

- Whether the configured guest OS information is correct.

- For Linux 4.3A30 or later

Check whether the guest OS information set in `/etc/opt/FJSVcluster/etc/kvmguests.conf` is correct.

If the guest OS information is incorrect, set the information in the `kvmguests.conf` file again.

- For Solaris 4.3A20 or later

Execute the `clovmmigratesetup -l` command to check whether the guest OS information is correct.

If the guest OS information is incorrect, set the correct information again.

If the guest OS information is output when executing the `clovmmigratesetup` command, check whether the content is correct.

- Whether the specified guest OS can be connected.

If the guest OS cannot be connected, review the network settings.

Check whether the general privileged user of the shutdown facility is being registered in the guest OS.

- Whether the guest OS is connected from the host OS via SSH connection with the root user or the general privileged user of the shutdown facility, and also the user inquiry of the SSH connection first time such as RSA Key Generation is complete.

Complete the user inquiry of the SSH connection first time such as RSA Key Generation if it is not complete.

If this corrective action does not work, write down the error message, collect required information for troubleshooting and contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The stop request of the virtual machine *instance-id* failed.

Content:

The stop request of the virtual machine for the AWS endpoint failed.

Corrective action:

Check the following:

- Check if the system or the network has high load.

- Check if the configuration file (`/etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg`) is specified correctly.

- For *instance-id*, set the information of the environment where PRIMECLUSTER is installed.

- For settings of *instance-id*, refer to "Setting up the Shutdown Facility" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

- Check if the instance on which the cluster host is running can communicate with the AWS endpoint.

- Check if the AWS CLI is installed and the credentials are set.

If the problem is not resolved by the above action, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The stop request of the virtual machine *instancename* failed.

Content:

The stop request of the virtual machine to the endpoint of the Compute service failed.

Corrective action:

Check the following:

- Check if the system or the network has high load.
- Check if the following configurations are correct.
 - /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg
 - /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg

Specify the user password for instance control in RHOSP encrypted by the /opt/SMAW/bin/sfcipher command.

For details on specifying these files, see "PRIMECLUSTER Installation and Administration Guide (Linux)."

- Check if the admin role is given to the user for instance control in RHOSP.
- Check if the instance where the cluster host is running can communicate with the Compute service in RHOSP.

When the connection fails again even after the above action is taken, hardware failure such as a network failure or a failure of HUB may be the cause of the error. In this case, contact field engineers.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The stop request of the virtual machine *resource-id* failed.

Content:

The stop request of the virtual machine for the Azure endpoint failed.

Corrective action:

Check the following:

- Check if the system or the network has high load.
- Check if the configuration file (/etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg) is specified correctly.
 - For *resource-id*, set the resource ID of the virtual machine where PRIMECLUSTER is installed.
 - For settings of *resource-id*, refer to "Setting up the Shutdown Facility" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the virtual machine on which the cluster host is running can communicate with the Azure endpoint.
- Check if the Azure CLI is installed and the service principal is registered.
- Check if the file path where the certificate file of the service principal is located is specified in CertPath of the configuration file of the Azure (SA_vmazureReset) shutdown agent.

If the problem is not resolved by the above actions, record this message, collect information for an investigation, and then contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The stop request of the virtual machine *ServerName* failed.

Content:

[When this message is output in an FJcloud-O environment]

The stop request of the virtual server *ServerName* failed on the node on which the message is displayed.

[When this message is output in a NIFCLOUD environment]

The stop request of the server *ServerName* for the NIFCLOUD endpoint failed.

Corrective action:

Check the following:

[In an FJcloud-O environment]

- Check if the system or the network has high load.
- Check if the environment information of FJcloud-O specified in the `/opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg` is correct.
For how to specify the `/opt/SMAW/SMAWRrms/etc/k5_endpoint.cfg`, see "Creating the FJcloud-O Environment Information File" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if a virtual server name, and a user name and a password for forcibly stopping the virtual server that are specified in the `/etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg` are correct.
For how to specify the `/etc/opt/SMAW/SMAWsf/SA_vmk5r.cfg`, see "Setting up the Shutdown Facility" in "Part 1 FJcloud-O Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the virtual server on which the cluster host is running can communicate with the endpoint for the compute (standard service) in FJcloud-O.

[In a NIFCLOUD environment]

- Check if the system or the network has high load.
If this message is no longer displayed after 10 minutes, the error may have been solved. Execute the following command to check if the shutdown facility works properly.

```
# /opt/SMAW/bin/sdtool -s
```

- Check if the configuration file `(/etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg)` is specified correctly.
For *ServerName*, set the information of the environment where PRIMECLUSTER is installed. For settings, see "Setting up the Shutdown Facility" in "Part 2 NIFCLOUD Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."
- Check if the server on which the cluster host is running can communicate with the NIFCLOUD endpoint.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Chapter 6 RMS -Related Messages

This chapter describes messages relating to RMS.

- RMS messages
- RMS Wizard messages
- Console messages



See

As for classification of messages, see "Chapter 1 Message Search Procedure."

6.1 RMS Messages

This section explains RMS messages that are recorded in the syslog file. Messages explained herein are also output to the switchlog file.

Each message is output in the form of the following.

```
(Component_name,message_number):Severity:Message_text
```

Check the severity level contained in the message and refer to the corresponding section from the table below. Each message is explained in the message numerical order of each component.

Severity	Reference
Information (NOTICE)	"6.1.1 Information Messages"
Warning (WARNING)	"6.1.2 Warning Messages"
Non-fatal error (ERROR)	"6.1.3 Non-fatal Error Messages"
Error (FATAL)	"6.1.4 Fatal Error Messages"



Note

Italic words indicated in messages are replaced with actual values, names, or character strings.

The message might be changed. Therefore, please retrieve it by "*Component_name, message_number*" when you retrieve the RMS message in this manual.



See

ERRNO

For certain RMS error messages, operating system error numbers `errno` are displayed. Such numbers are returned when detector or script processing fails. The error number often gives an important hint for troubleshooting. Refer to the user's guide or `/usr/include/sys/errno.h` file of the respective operating system.

In addition, the list is available at "[Appendix B Solaris/Linux ERRNO table](#)."

6.1.1 Information Messages

This section explains RMS information messages that are recorded in the switchlog file.

Confirm the component name of the displayed message, refer to the corresponding section from the table below. The message is explained in the message numerical order.

When the message and Content are the same, Content is omitted. In addition, when the action is unnecessary, Corrective action is omitted.

Component name	Reference
ADC	"6.1.1.1 ADC: Admin configuration"
ADM	"6.1.1.2 ADM: Admin, command, and detector queues"
BAS	"6.1.1.3 BAS: Startup and configuration errors"
BM	"6.1.1.4 BM: Base monitor"
CML	"6.1.1.5 CML: Command line"
CTL	"6.1.1.6 CTL: Controllers"
CUP	"6.1.1.7 CUP: userApplication contracts"
DET	"6.1.1.8 DET: Detectors"
GEN	"6.1.1.9 GEN: Generic detector"
INI	"6.1.1.10 INI: init script"
MIS	"6.1.1.11 MIS: Miscellaneous"
SCR	"6.1.1.12 SCR: Scripts"
SHT	"6.1.1.13 SHT: Shutdown"
SWT	"6.1.1.14 SWT: Switch requests (hvswitch command)"
SYS	"6.1.1.15 SYS: SysNode objects"
UAP	"6.1.1.16 UAP: userApplication objects"
US	"6.1.1.17 US: us files"
WLT	"6.1.1.18 WLT: Wait list"
WRP	"6.1.1.19 WRP: Wrappers"

6.1.1.1 ADC: Admin configuration

(ADC, 6) Host <SysNode> with configuration <configfile> requested to join its cluster.

(ADC, 22) Attempting to clear the cluster Wait state for SysNode <sysnode> and reinitialize the Online state.

(ADC, 26) An out of sync modification request *request1*, *request2* has been detected.

(ADC, 28) Dynamic modification finished.

(ADC, 29) Config file "CONFIG.rms" is absent or does not contain a valid entry, remaining in minimal configuration.

(ADC, 42) No remote host has provided configuration data within the interval specified by HV_WAIT_CONFIG. Running now the default configuration as specified in "CONFIG.rms"

(ADC, 50) hvdisp temporary file <filename> exceeded the size of <size> bytes, hvdisp process <pid> is restarted.

(ADC, 52) Waiting for application <userapplication> to finish its <request> before shutdown.

(ADC, 53) Waiting for application <app> to finish its switch to a remote host before shutdown.

(ADC, 54) Waiting for host <sysnode> to shut down.

(ADC, 55) No busy application found on this host before shutdown.

(ADC, 56) Waiting for busy or locked application <app> before shutdown.

(ADC, 66) Notified SF to recalculate its weights after dynamic modification.

(ADC, 71) Please check the bmlog for the list of environment variables on the local node.

6.1.1.2 ADM: Admin, command, and detector queues

(ADM, 35) Dynamic modification started with file <configfilename> from host <sysnode>.

(ADM, 92) Starting RMS now on all available cluster hosts

(ADM, 93) Ignoring cluster host <sysnode>, because it's in state: *State*

(ADM, 94) Starting RMS on host <SysNode> now!

(ADM, 101) Processing forced shutdown request for host *SysNode*. (request originator: *RequestSysNode*)

(ADM, 103) *app*: Shutdown in progress. *AutoSwitchOver (ShutDown)* attribute is set, invoking a switchover to next priority host

(ADM, 104) *app*: Shutdown in progress. *AutoSwitchOver (ShutDown)* attribute is set, but no other Online host is available. *SwitchOver* must be skipped!

(ADM, 108) Processing shutdown request for host *SysNode*. (request originator: *RequestSysNode*)

(ADM, 109) Processing shutdown request for all hosts. (request originator: *SysNode*)

(ADM, 112) local host is about to go down. CLI requests on this hosts are no longer possible

(ADM, 119) Processing *hvdump* command request for local host <sysnode>.

(ADM, 124) Processing forced shutdown request for all hosts. (request originator: *SysNode*)

(ADM, 127) debugging is on, watch your disk space in /var (notice #count)

Content:

Debug mode is on. Therefore, take care about the disk space of /var.

When debug mode is set to on in "hvutil -l" command, this message is displayed.

Corrective action:

Make sure that /var disk space is sufficient.

6.1.1.3 BAS: Startup and configuration errors

(BAS, 33) Resource <resource> previously received detector report "DetReportsOfflineFaulted", therefore the application <app> cannot be switched to this host.

6.1.1.4 BM: Base monitor

(BM, 9) Starting RMS monitor on host <sysnode>.

(BM, 27) Application <userapplication> does not transition to standby since it has one or more faulted or cluster exclusive online resources.

Content:

The application will skip standby processing because at least one of its resources is faulted or cluster exclusive online.

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

(BM, 34) RMS invokes hvmod in order to modify its minimal configuration with a startup configuration from the command line.

(BM, 35) RMS invokes hvmod in order to bring in a new host that is joining a cluster into its current configuration.

(BM, 36) RMS invokes hvmod in order to modify its minimal configuration with a configuration from a remote host while joining the cluster.

(BM, 37) RMS invokes hvmod in order to delete a host from its configuration while ejecting the host from the cluster.

(BM, 38) RMS invokes hvmod in order to bring a host from a cluster to which it is about to join.

(BM, 39) RMS invokes hvmod in order to run a default configuration.

(BM, 40) RMS starts the process of dynamic modification due to a request from hvmod utility.

(BM, 43) Package parameters for *packagetype* package *<package>* are *<packageinfo>*.

(BM, 44) Package parameters for *<package1> / <package2>* package not found.

Corrective action:

Install the package *<package1>* or *<package2>* if necessary.

(BM, 45) This RMS monitor has been started as *<COMMAND>*.

(BM, 47) RMS monitor has exited with the exit code *<code >*.

Corrective action:

Check the message printed immediately before and take the necessary action.

(BM, 48) RMS monitor has been normally shut down.

(BM, 50) RMS monitor is running in CF mode.

(BM, 55) The RMS-CF-CIP mapping in *<configfile>* for SysNode name *<SysNode>* has matched the CF name *<cfname>*.

(BM, 56) The RMS-CF-CIP mapping in *<CONFIGFILENAME>* for SysNode name *<SYSNODE>* has found the CF name to be *<CFNAME>* and the CIP name to be *<CIPNAME>*.

(BM, 57) The RMS-CF-CIP mapping in *<configfile>* for SysNode name *<SysNode>* has failed to find the CF name.

(BM, 60) The resulting configuration has been saved in *<filename>*, its checksum is *<checksum>*.

(BM, 61) A checksum verification request has arrived from host *<sysnode>*, that host's checksum is *<xxxx>*.

(BM, 62) The local checksum *<xxxx>* has been replied back to host *<sysnode>*.

(BM, 63) Host *<sysnode>* has replied the checksum *<xxxx>* equal to the local checksum. That host should become online now.

(BM, 64) Checksum request has been sent to host *<hostname>*.

(BM, 65) Package parameters for *<package>* package not found.

Corrective action:

Install the package *<package>* if necessary.

(BM, 84) The RMS-CF-CIP mapping in `<configfilename>` for SysNode name `<sysnode>` has found the CF name to be `<cfname>` and the CIP name to be `<cipname>`, previously defined as `<olscfname>`.

Corrective action:

Confirm that the CF name of the CIP configuration file contains no errors.

(BM, 87) The Process Id (pid) of this RMS Monitor is `<PID>`.

(BM, 91) Some scripts are still running. Waiting for them to finish before normal shutdown.

(BM, 100) Controlled application `<app>` is controlled by a scalable controller `<controller>`, but that application's AutoStartUp attribute is set to 1.

Corrective action:

Set 0 to the AutoStartUp attribute of userApplication `<app>`.

(BM, 102) Application `<app>` has a scalable controller, but that application has its AutoStartUp attribute set to 0.

(BM, 115) The base monitor on the local host has captured the lock.

(BM, 120) The RMS base monitor is locked in memory via `mlockall()`.

(BM, 121) RMS monitor uses the `<class>` scheduling class for running scripts.

6.1.1.5 CML: Command line

(CML, 3) `*** New Heartbeat_Miss_Time = time sec.`

(CML, 16) Turn log off by user.

(CML, 22) Modify log level, `bmLogLevel = "loglevel"`.

6.1.1.6 CTL: Controllers

(CTL, 3) Controller `<controller>` is requesting online application `<app>` on host `<SysNode>` to switch offline because more than one controlled applications are online.

(CTL, 4) Controller `<controller>` has its attribute `AutoRecoverCleanup` set to 1. Therefore, it will attempt to bring the faulted application offline before recovering it.

(CTL, 5) Controller `<controller>` has its attribute `AutoRecoverCleanup` set to 0. Therefore, it will not attempt to bring the faulted application offline before recovering it.

(CTL, 9) Controller `<controller>` has restored a valid combination of values for attributes `<IgnoreOnlineRequest>` and `<OnlineScript>`.

(CTL, 10) Controller `<controller>` has restored a valid combination of values for attributes `<IgnoreOfflineRequest>` and `<OfflineScript>`.

(CTL, 12) Controller `<controller>` has restored a valid combination of values for attributes `<IgnoreStandbyRequest>` and `<OnlineScript>`.

(CTL, 13) Controller `<controller>` does not propagate offline request to its controlled application(s) `<app>` because its attribute `<IndependentSwitch>` is set to 1.

(CTL, 14) Controller `<controller>` cannot autorecover application `<app>` because there is no online host capable of running this application.

(CTL, 15) Controller `<controller>` cannot autorecover application `<app>` because the host `<SysNode>` from the application's `PriorityList` is neither in Online, Offline, or Faulted state.

(CTL, 18) Scalable Controller <controller> from application <app1> cannot determine any online host where its controlled application(s) <app2> can perform the current request. This controller is going to fail now.

6.1.1.7 CUP: userApplication contracts

(CUP, 6) *app Prio_list* request not satisfied, trying again ...

6.1.1.8 DET: Detectors

(DET, 20) *hvgdstartup* file is empty.

Corrective action:

Describe necessary information when you use the *hvgdstartup* file. Use *DetectorStartScript* when you set a new RMS configuration file.

Hvgdstartup file might be unsupported in the release in the future.

(DET, 22) <resource>: received unexpected detector report "*ReportedState*" - ignoring it
Reason: Online processing in progress, detector report may result from an interim transition state.

(DET, 23) <resource>: received unexpected detector report "*ReportedState*" - ignoring it
Reason: Offline processing in progress, detector report may result from an interim transition state.

(DET, 25) <resource>: received unexpected detector report "*ReportedState*" - ignoring it
Reason: Standby processing in progress, detector report may result from an interim transition state.

(DET, 30) Resource <resource> previously received detector report "*DetReportsOnlineWarn*", the warning is cleared due to report "*DetReportsOnline*".

(DET, 32) Resource <resource> previously received detector report "*DetReportsOfflineFaulted*", the state is cleared due to report "*report*".

6.1.1.9 GEN: Generic detector

(GEN, 6) *command* ignores request for object *object* not known to that detector. Request will be repeated later.

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

6.1.1.10 INI: init script

(INI, 2) *InitScript* does not exist in *hvenv*.

Content:

RELIANT_INITSCRIPT of the RMS environment variable is not defined.

Corrective action:

Define *RELIANT_INITSCRIPT* of RMS environment variable when you use *InitScript*. When *InitScript* is not used, the action is unnecessary.

(INI, 3) *InitScript* does not exist.

Content:

The file defined by *RELIANT_INITSCRIPT* of the RMS environment variable does not exist.

Corrective action:

Store the file defined with RELIANT_INITSCRIPT of the RMS environment variable when you use InitScript. When InitScript is not used, the action is unnecessary.

(INI, 5) All system objects initialized.

(INI, 6) Using *filename* for the configuration file.

(INI, 8) Restart after un-graceful shutdown (e.g. host failure): A persistent fault entry will be created for all userApplications, which have PersistentFault attribute set

Content:

UserApplication that sets the PersistentFault attribute became Faulted state, because RMS did not end normally immediately before.

Corrective action:

Clear the Faulted state of userApplication as necessary.

(INI, 15) Running InitScript *<InitScript>*.

(INI, 16) InitScript completed.

6.1.1.11 MIS: Miscellaneous

(MIS, 10) The file *filename* can not be located during the cleanup of *directory*.

6.1.1.12 SCR: Scripts

(SCR, 3) The detector that died is *detector_name*.

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

(SCR, 6) REQUIRED PROCESS RESTARTED: *detector_name* restarted.

(SCR, 7) REQUIRED PROCESS NOT RESTARTED: *detector_name* is no longer needed by the configuration.

(SCR, 16) Resource *<resource>* WarningScript has completed successfully.

(SCR, 19) Failed to execute OfflineDoneScript with resource *<resource>*: *errorreason*.

Corrective action:

Search for a cause that OfflineDoneScript terminated abnormally, and take actions as necessary.

(SCR, 22) The detector *<detector>* with pid *<pid>* has been terminated. The time it has spent in the user and kernel space is *<usertime>* and *<kerneltime>* seconds respectively.

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

(SCR, 23) The script with pid *<pid>* has terminated. The time it has spent in the user and kernel space is *<usertime>* and *<kerneltime>* seconds respectively.

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

6.1.1.13 SHT: Shutdown

(SHT, 16) RMS on node *SysNode* has been shut down with *command*.

6.1.1.14 SWT: Switch requests (hvswitch command)

(SWT, 9) *app*: AutoStartAct(): object is already in stateOnline!

(SWT, 10) *app*: Switch request forwarded to a responsible host: *SysNode*.

(SWT, 15) *app*: Switch request forwarded to the node currently online: *SysNode*.

(SWT, 17) *app*: target host of switch request is already the currently active host, sending the online request now!

(SWT, 27) Cluster host *<SysNode>* is not yet online for application *<app>*.

(SWT, 29) HV_AUTOSTARTUP_IGNORE list of cluster hosts to ignore when autostarting is: *SysNode*.

(SWT, 38) Processing forced switch request for application *app* to node *SysNode*.

(SWT, 39) Processing normal switch request for application *app* to node *SysNode*.

(SWT, 40) Processing forced switch request for Application *app*.

(SWT, 41) Processing normal switch request for Application *app*.

(SWT, 48) A controller requested switchover for the application *<object>* is attempted although the host *<onlinehost>* where it used to be Online is unreachable. Caused by the use of the force flag the RMS secure mechanism has been overridden, switch request is processed. In case that host is in Wait state the switchover is delayed until that host becomes Online, Offline, or Faulted.

(SWT, 49) Application *<app>* will not be switched Online on host *<oldhost>* because that host is not Online. Instead, it will be switched Online on host *<newhost>*.

(SWT, 50) Application *<app>* is busy. Switchover initiated from a remote host *<remotenode>* is delayed on this local host *<localnode>* until a settled state is reached.

(SWT, 51) Application *<app>* is busy performing standby processing. Switchover initiated due to a shutdown of the remote host *<remotenode>* is delayed on this local host *<localnode>* until Standby processing finishes.

(SWT, 52) Application *<app>* is busy performing standby processing. Therefore, the contracting process and a decision for its AutoStartUp is delayed on this local host *<localnode>* until Standby processing finishes.

(SWT, 53) Application *<app>* is busy performing standby processing. The forced switch request is delayed on this local host *<localnode>* until Standby processing finishes.

(SWT, 61) Processing request to enter Maintenance Mode for application *app*.

(SWT, 62) Processing request to leave Maintenance Mode for application *app*.

(SWT, 63) Forwarding Maintenance Mode request for application *app* to the host *SysNode*, which is currently the responsible host for this userapplication.

(SWT, 64) Request to leave Maintenance Mode for application *app* discarded. Reason: Application is not in Maintenance Mode.

Corrective action:

Confirm that userApplication is in maintenance mode before ending the maintenance mode.

(SWT, 65) Processing request to leave Maintenance Mode for application *app*, which was forwarded from host *SysNode*. Nothing to do, application is not in Maintenance Mode.

Corrective action:

Confirm that userApplication is in maintenance mode before ending the maintenance mode.

(SWT, 66) Processing of Maintenance Mode request for application *app* is finished, transitioning into stateMaint now.

(SWT, 67) Processing of Maintenance Mode request for application *app* is finished, transitioning out of stateMaint now.

(SWT, 70) AutoStartUp for application<*app*> is invoked though not all necessary cluster hosts are Online, because PartialCluster attribute is set.

(SWT, 71) Switch requests for application <*app*> are now permitted though not all necessary cluster hosts are Online, because PartialCluster attribute is set.

(SWT, 73) Any AutoStart or AutoStandby for *app* is bypassed. Reason: userApplication is in Maintenance Mode

(SWT, 74) Maintenance Mode request for application *app* discarded. Reason: Application is busy or locked.

Corrective action:

Wait until the userApplication <*app*> becomes unbusy or unlocked, and then execute the request from the maintenance mode.

(SWT, 75) Maintenance Mode request for application *app* discarded. Reason: Application is Faulted.

Corrective action:

Clear the Faulted state of the userApplication <*app*> and then execute the maintenance mode request.

(SWT, 76) Maintenance Mode request for application *app* discarded. Reason: A controlled application is not ready to leave Maintenance Mode.

Corrective action:

Prepare to clear the maintenance mode of the userApplication that is controlled by the userApplication <*app*>, and then execute the maintenance mode request.

(SWT, 77) Maintenance Mode request for application *app* discarded. Reason: Application is controlled by another application and has "ControlledSwitch" attribute set.

Corrective action:

Execute the maintenance mode request again for the userApplication that controls the userApplication <*app*>.

(SWT, 78) Maintenance Mode request for application *app* discarded. Reason: Application has not yet finished its state initialisation.

Corrective action:

After the userApplication <*app*> is initialized, execute the maintenance mode request again.

(SWT, 79) Maintenance Mode request for application *app* discarded. Reason: Some resources are not in an appropriate state for safely returning into active mode. A "forceoff" request may be used to override this security feature.

Corrective action:

Restore the state of resources that belong to a userApplication <*app*> to the last state before the resources switched to the maintenance mode. After this process, execute the maintenance mode request again.

The maintenance mode can be forcibly cleared by using the forceoff option even when resources exist in inappropriate state.

(SWT, 80) Maintenance Mode request for application *app* discarded. Reason: Sysnode *SysNode* is in "Wait" state.

Corrective action:

Clear the Wait state of a node and then execute the maintenance mode request again.

(SWT, 82) The SysNode *SysNode* is seen as Online, but it is not yet being added to the priority list of any controlled or controlling userApplication because there is ongoing activity in one or more applications (eg. *<app>* on *<SysNode>*).

(SWT, 83) The SysNode *SysNode* is seen as Online, and now all userApplications have no ongoing activity - SysNode being added to priority lists.

(SWT, 85) The userApplication *app* is in state Inconsistent on host *SysNode*, the priority hvswitch request is being redirected there in order to clear the inconsistency.

(SWT, 86) The userApplication *app* is in state Inconsistent on host *SysNode1*, the hvswitch request to host *SysNode2* is being redirected there in order to clear the inconsistency.

(SWT, 87) The userApplication *app* is in state Maintenance. Switch request skipped.

Corrective action:

Clear the maintenance mode of a userApplication *<app>* and then execute the switch request again.

(SWT, 88) The following node(s) were successfully killed by the forced application switch operation: *hosts*

Corrective action:

Restart forcibly stopped nodes if needed.

For how to forcibly switch cluster applications, see "Notes on Switching a Cluster Application Forcibly" in "PRIMECLUSTER Installation and Administration Guide."

(SWT, 89) Processing forced switch request for resource *resource* to node *sysnode*.

(SWT, 90) Processing normal switch request for resource *resource* to node *sysnode*.

6.1.1.15 SYS: SysNode objects

(SYS, 2) This host has received a communication verification request from host *<SysNode>*. A reply is being sent back.

(SYS, 3) This host has received a communication verification reply from host *<SysNode>*.

(SYS, 5) This host is sending a communication verification request to host *<SysNode>*.

(SYS, 9) Attempting to shut down the cluster host *SysNode* by invoking a Shutdown Facility via (*sdtool -k hostname*).

(SYS, 12) Although host *<hostname>* has reported online, it does not respond with its checksum. That host is either not reachable, or does not have this host *<localhost>* in its configuration. Therefore, it will not be brought online.

Corrective action:

Check the RMS configuration file on all cluster nodes to verify if the same RMS configuration file is running on all the nodes.

(SYS, 51) Remote host *<SysNode>* replied correct checksum out of sync.

6.1.1.16 UAP: userApplication objects

(UAP, 10) *app*: received agreement to go online. Sending Request Online to the local child now.

(UAP, 13) *appli* AdminSwitch: application is expected to go online on local host, sending the online request now.

(UAP, 26) *app* received agreement to go online. Sending RequestOnline to the local child now.

(UAP, 31) *app*:AdminSwitch: passing responsibility for application to host <SysNode> now.

(UAP, 46) Request <request> to application <app> is ignored because this application is in state Unknown.

Corrective action:

After the userApplication <app> is initialized, execute the request <request> again.

6.1.1.17 US: us files

(US, 2) FAULT RECOVERY ATTEMPT: The object *object* has faulted and its AutoRecover attribute is set. Attempting to recover this resource by running its OnlineScript.

(US, 3) FAULT RECOVERY FAILED: Re-running the OnlineScript for *object* failed to bring the resource Online.

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

(US, 4) FAULT RECOVERY SUCCEEDED: Resource *resource* has been successfully recovered and returned to the Online state.

(US, 7) *object*: Transitioning into a Fault state caused by a persistent Fault info

(US, 8) Cluster host *SysNode* has been successfully *status*.

(US, 9) Cluster host *SysNode* has become online.

(US, 11) Temporary heartbeat failure disappeared. Now receiving heartbeats from cluster host *hostname* again.

(US, 12) Cluster host *SysNode* has become Faulted. A shut down request will be sent immediately!

(US, 13) Cluster host *SysNode* will now be shut down!

(US, 16) *app*: Online processing finished!

(US, 17) *app*: starting Online processing.

(US, 18) *app*: starting Offline processing.

(US, 19) *app*: starting Offline (Deact) processing.

(US, 20) *app*: Offline (Deact) processing finished!

(US, 21) *app*: Offline processing finished!

(US, 22) *app*: starting PreCheck.

(US, 24) *app*: Fault processing finished!

(US, 25) *app*: Collecting outstanding Faults

(US, 26) *app*: Fault processing finished!
Starting Offline processing.

(US, 27) *app*: precheck successful.

(US, 30) *app*: Offline processing after Fault finished!

(US, 32) **FAULT RECOVERY SKIPPED!** userApplication is already faulted. No fault recovery is possible for object *object*!

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

(US, 34) *app*: Request standby skipped -- application must be offline or standby for standby request to be honored.

Corrective action:

The Standby request should be sent to userApplications in Offline state or Standby state.

(US, 35) *app*: starting Standby processing.

(US, 36) *app*: Standby processing finished!

(US, 37) *app*: Standby processing skipped since this application has no standby capable resources.

(US, 40) *app*: Offline processing due to hvshut finished!

(US, 41) The userApplication *<userapplication>* has gone into the Online state after Standby processing.

(US, 44) *resource*: Fault propagation to parent ends here! Reason is either a MonitorOnly attribute of the child reporting the Fault or the "or" character of the current object

(US, 46) *app*: Processing of Clear Request finished. resuming Maintenance Mode.

(US, 56) The userApplication *userapplication* is already Online at RMS startup time. Invoking an Online request immediately in order to clean up possible inconsistencies in the state of the resources.

6.1.1.18 WLT: Wait list

(WLT, 2) Resource *resource's ScriptType (script)* has exceeded the ScriptTimeout of *timeout* seconds.

Corrective action:

Investigate why the script *<script>* times out and take action as necessary.

(WLT, 4) Object *object's* script has been killed since that object has been deleted.

(WLT, 7) Sending *SIGNAL* to script *<script>* (*pid*) now

6.1.1.19 WRP: Wrappers

(WRP, 19) RMS logging restarted on host *<SysNode>* due to a hvlogclean request.

(WRP, 20) This switchlog is being closed due to a hvlogclean request. RMS continues logging in a new switchlog that is going to be opened immediately. New detector logs are also going to be reopened right now.

(WRP, 21) A message cannot be sent into a Unix message queue from the process *<pid>*, *<process>*, after *<number>* attempts in the last *<seconds>* seconds. Still trying.

Corrective action:

Check the values of a system message queue tunables such as msgmnb, msgtql and others. If necessary, increase the values and reboot.

(WRP, 22) A message cannot be sent into a Unix message queue id *<queueid>* by the process *<pid>*, *<process>*.

Corrective action:

Check the values of a system message queue tunables such as msgmnb, msgtql and others. If necessary, increase the values and reboot.

(WRP, 26) Child process *<cmd>* with pid *<pid>* has been killed because it has exceeded its timeout period.

(WRP, 27) Child process *<cmd>* with pid *<pid>* will not be killed though it has exceeded its timeout period.

(WRP, 36) Time synchronization has been re-established between the local node and cluster host *SysNode*.

(WRP, 37) The package parameters of the package *<package>* on the remote host *<hostname>* are: Version = *<version>*, Load = *<load>*.

(WRP, 38) The Process Id (pid) and the startup time of the RMS monitor on the remote host *<hostname>* are *<pid>* and *<startuptime>*.

(WRP, 49) The base monitor on the local host is unable to ping the echo port on the remote host *SysNode*.

(WRP, 50) The base monitor on the local host is able to ping the echo port on the remote host *SysNode*, but is unable to communicate with the base monitor on that host.

(WRP, 53) Current heartbeat mode is *<mode>*.

(WRP, 59) The cluster host *<SysNode>* does not support ELM heartbeat. ELM heartbeat does not start. Use UDP heartbeat only.

Corrective action:

Confirm the messages generated before or after this message, and take actions as necessary.

(WRP, 63) The ELM heartbeat started for the cluster host *<SysNode>*.

(WRP, 66) The elm heartbeat detects that the cluster host *<SysNode>* has become offline.

6.1.2 Warning Messages

This chapter contains a detailed list of all RMS warnings that appear in the switchlog.

Check displayed component names of messages and then see the table below to determine references. The component names are explained in numerical order of messages.

Component name	Reference
ADC	"6.1.2.1 ADC: Admin configuration"
ADM	"6.1.2.2 ADM: Admin, command, and detector queues"
BAS	"6.1.2.3 BAS: Startup and configuration errors"
BM	"6.1.2.4 BM: Base monitor"
CTL	"6.1.2.5 CTL: Controllers"
CUP	"6.1.2.6 CUP: userApplication contracts"
DET	"6.1.2.7 DET: Detectors"
SCR	"6.1.2.8 SCR: Scripts"
SWT	"6.1.2.9 SWT: Switch requests (hvswitch command)"
SYS	"6.1.2.10 SYS: SysNode objects"

Component name	Reference
UAP	"6.1.2.11 UAP: userApplication objects"
US	"6.1.2.12 US: us files"
WLT	"6.1.2.13 WLT: Wait list"
WRP	"6.1.2.14 WRP: Wrappers"

6.1.2.1 ADC: Admin configuration

(ADC, 19) Clearing the cluster Waitstate for SysNode <sysnode>, by faking a successful host elimination! If <sysnode> is actually still Online, and/or if any applications are Online, this hvutil -u command may result in data corruption!

Content:

Information message.

Corrective action:

No action is required.

(ADC, 23) File <filename> can't be opened: <errortext>.

Content:

A file to be sent to a remote node cannot be opened.

Corrective action:

Check the error text <errortext> or other WARNING/ERROR messages.

(ADC, 24) File cannot be open for read.

Content:

A file to be sent to a remote node cannot be read.

Corrective action:

Message (ADC, 23) is also output. Check the error test of (ADC, 23) <errortext> or other WARNING/ERROR messages.

(ADC, 51) hvshut utility has timed out.

Content:

The hvshut command was timed out.

When the hvshut command is executed with either -l/-s/-a option, some resources that are included in cluster applications may fail to stop.

Corrective action:

To prevent the timeout of the hvshut command, depending on your environment, change RELIANT_SHUT_MIN_WAIT, which is the global environment variable of RMS, to a larger value.



See

.....
 For details on RELIANT_SHUT_MIN_WAIT, see "RELIANT_SHUT_MIN_WAIT" in "Global environment variables" of the following manual below:

- For PRIMECLUSTER 4.3A30 or later: "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide."

See "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide" for how to refer to and change the RMS environment variables.



Take either of following actions depending on with which option the hvshut command has been executed.

- With -l option
Shut down the OS on the node on which the command has been executed, or stop the node forcibly.
- With -s option
Shut down the OS on the target node of the command, or stop the node forcibly.
- With -a option
Shut down the OS on all the nodes except a node on which RMS has ended normally, or stop the node forcibly.
- With -L option
When the BM (base monitor) process does not stop on the node on which the command has been executed, execute the hvshut -f command to stop RMS forcibly. No action is required when the BM process stops.
- With -A option
When the BM process does not stop on some nodes, execute the hvshut -f command on these nodes to stop RMS forcibly. No action is required when the BM process stops on all the nodes.

(ADC, 65) Since RMS on this host has already encountered other Online nodes, it will remain running. However, no nodes reporting incorrect checksums will be brought Online.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.2.2 ADM: Admin, command, and detector queues

(ADM, 61) object is deactivated. Switch request skipped.

Content:

A switch request cannot be performed for a userApplication in the Deact State

Corrective action:

Activate the userApplication and issue the switch request again.

(ADM, 65) System *hostname* is currently down !!!!

Content:

The hvswitch command has been executed for a currently shutdown node.

Corrective action:

Start the target node to execute the switch request again or select other node.

(ADM, 69) Shutting down RMS while resource *resource* is not offline.

Content:

RMS is shut down even though a resource is not offline.

Corrective action:

Shut down the OS or stop the node forcibly.

(ADM, 80) Application <userapplication> has a not null attribute ControlledSwitch. Therefore, it should be switched from the controller. 'hvswitch' command ignored.

Content:

Information message.

Corrective action:

No action is required.

(ADM, 105) Shutdown on targethost <sysnode> in progress. Switch request for application <object> skipped!

Content:

The target node of the switch request is responding to an earlier shutdown request. The switch request is cancelled.

Corrective action:

No action is required.

(ADM, 110) Sysnode <node> has been marked as going down, but failed to become Offline. Check for a possibly hanging shutdown. Note that this SysNode cannot re-join the cluster without having finished its shutdown to avoid cluster inconsistency!

Content:

Information message.

Corrective action:

No action is required.

(ADM, 111) Timeout occurred for local hvshut request. Reporting a failure back to the command now!

Content:

The hvshut command was timed out.

When the hvshut command is executed with either -l/-s/-a option, some resources that are included in cluster applications may fail to stop.

Corrective action:

To prevent the timeout of the hvshut command, depending on your environment, change RELIANT_SHUT_MIN_WAIT, which is the global environment variable of RMS, to a larger value.



See

.....
For details on RELIANT_SHUT_MIN_WAIT, see "RELIANT_SHUT_MIN_WAIT" in "Global environment variables" of the following manual below:

- For PRIMECLUSTER 4.3A30 or later: "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide."

See "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide" for how to refer to and change the RMS environment variables.

.....
Take either of following actions depending on with which option the hvshut command has been executed.

- With -l option

Shut down the OS on the node on which the command has been executed, or stop the node forcibly.

- With -s option

Shut down the OS on the target node of the command, or stop the node forcibly.

- With -a option

Shut down the OS on all the nodes except a node on which RMS has ended normally, or stop the node forcibly.

- With -L option

When the BM (base monitor) process does not stop on the node on which the command has been executed, execute the hvshut -f command to stop RMS forcibly. No action is required when the BM process stops.

- With -A option

When the BM process does not stop on some nodes, execute the hvshut -f command on these nodes to stop RMS forcibly. No action is required when the BM process stops on all the nodes.

(ADM, 113) Terminating due to a timeout of RMS shutdown. All running scripts will be killed!

Content:

Information message.

Corrective action:

No action is required.

(ADM, 114) *userapplication*: Shutdown in progress. AutoSwitchOver (ShutDown) attribute is set, but the userApplication failed to reach a settled Offline state. SwitchOver must be skipped!

Content:

A userApplication *userApplication* failed to switch to the Offline state while RMS is being shut down. In this case, the switch request is cancelled even if the ShutDown option is specified for the AutoSwitchOver attribute.

Corrective action:

Check if RMS was already shut down and the switch request is cancelled. After that, switch the userApplication *userApplication* manually. Check logs for why the userApplication failed to switch to the Offline state.

(ADM, 115) Received "old style" shutdown contract, though no host with RMS 4.0 is member of the cluster. Discarding it!

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 116) Received "new style" shutdown contract, though at least one host with RMS 4.0 is member of the cluster. Discarding it!

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 129) Shutdown on targethost <sysnode> in progress. Switch request for resource <resource> skipped!

Content:

The target node of the switch request is responding to an earlier shutdown request. The switch request is cancelled.

Corrective action:

No action is required.

6.1.2.3 BAS: Startup and configuration errors

(BAS, 1) Object <object> is not offline!

Content:

The offline processing for the object <object> failed, and the object is still partially online, so the switch request is cancelled.

Corrective action:

Check the log files to see why the offline processing of the object <object> failed.

(BAS, 8) Object <object> has no rName attribute. The rName attribute is normally used by the generic detector to determine which resource to monitor. Be sure that your detector can function without an rName attribute.

Content:

The object <object> has no rName attribute. This attribute is required for a generic RMS detector; however, it may not exist in a custom detector.

Corrective action:

No action is required if the corresponding custom detector is properly designed. However, if the generic detector is soon used or will be used with this object, specify the rName attribute.

(BAS, 22) DetectorStartScript for kind <kind> is not defined in either .us or hvugdstartup files, therefore RMS will be using default <gkind -kkind -ttimeperiod>.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.2.4 BM: Base monitor

(BM, 4) The CF cluster timeout <cftimeout> exceeds the RMS timeout <rmstimeout>. This may result in RMS node elimination request before CF timeout is exceeded. Please check the CF timeout specified in "/etc/default/cluster.config" and the RMS heartbeat miss time specified by hvcm '-h' option.

(BM, 8) Failed sending message <message> to object <object> on host <host>.

Content:

When RMS encounters some problems in transmitting the message *message* to some other host in the cluster, it prints this message. This could be due to the fact that the RMS on the other host is down or there might be a network problem.

Corrective action:

Make sure that the RMS is running on the other hosts in the cluster and no network issues exist.

When fjsnap command, pclsnap command, or hvdump command is executed while some nodes that configure a cluster are stopped, this message may be printed. In this case, no action is required.

(BM, 28) Application <userapplication> has a not null attribute ControlledHvswitch. Therefore, it should be switched on/off from the controller. 'hvutil -f/-c' command ignored.

Content:

The hvutil -f/-c command is ignored because the userApplication <userapplication> is controlled by a scalable application.

Corrective action:

Use the command for a scalable application.

(BM, 30) Ignoring dynamic modification failure for object <object>:attribute <attribute> is invalid.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 31) Ignoring dynamic modification failure at line *linenumber*: cannot modify attribute <attribute> of object <object> with value <value> because the attribute does not exist.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 53) The RMS-CF-CIP mapping cannot be determined for any host due to the CIP configuration file <configname> cannot be opened. Please verify all entries in <configfilename> are correct and that CF and CIP are fully configured.

(BM, 70) Some messages were not sent out during RMS shutdown.

Content:

Information message.

Corrective action:

No action is required.

(BM, 76) Failed to find "rms hb" port address in /etc/services. The "hvutil -A" command will fail until a port entry for "rms hb" is made in the /etc/services file and RMS is restarted.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 77) Failed to allocate a socket for "rms hb" port monitoring.

Content:

The socket() call failed to allocate a port for rms hb.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 78) The reserved port for "rms hb" appears to be in use. The "rms hb" port is reserved in the /etc/services file but another process has it bound already. Select another port by editing the /etc/services file and propagate this change to all nodes in the cluster and then restart RMS.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 79) Failed to listen() on the "rms hb" port.

Content:

The listen() system call failed to call rms hb port.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 82) A message to host <remotehost> failed to reach that host after <count> delivery attempts. Communication with that host has been broken.

Content:

Make sure *remotehost* is running and that communication between the two hosts is possible. Check if communication with the remote node is possible by using a standard method such as ping. After that, restart RMS on the local node.

Corrective action:

The communication between two hosts should be completely established. After that, restart the RMS monitor.

(BM, 83) Failed to execute the fcntl system call.

Content:

RMS was unable to set the close-on-exec flag using fcntl.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 85) Application <userapplication> has a not null attribute attribute. Therefore, it should be deactivated from the controller. 'hvutil -d' command ignored.

Content:

The hvutil -d command is ignored because the userApplication <userapplication> is controlled by a scalable application.

Corrective action:

Use the command for a scalable application.

(BM, 112) Controller <controller> has its attribute Follow set to 1, while its ClusterExclusive attribute is set to 0. However, it is controlling, directly or indirectly via a chain of Follow controllers, an application <application> -- that application contains a resource named <resource> which attribute ClusterExclusive

is set to 1. This is not allowed due to a potential problem of that resource becoming Online on more than one host. Cluster exclusive resources must be controlled by cluster exclusive Follow controllers.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 119) The RMS base monitor failed to be locked in memory via mlockall() - <errortext>.

Content:

When the environment variable HV_MLOCKALL is set to 1, the base monitor process and a memory allocated by the base monitor process are fixed. This message is output to indicate that the base monitor failed to lock the memory. In this case, RMS uses the unlocked memory to keep running.

Corrective action:

See the error text to find the cause. Check if the memory is sufficient.

6.1.2.5 CTL: Controllers

(CTL, 6) Controller <controller> has detected more than one controlled application Online.

Content:

Information message.

Corrective action:

No action is required.

(CTL, 7) Controller <controller> has its attribute <IgnoreOnlineRequest> set to 1 and its OnlineScript is empty. Therefore, a request Online to the controller might fail to bring the controlled application Online.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CTL, 8) Controller <controller> has its attribute <IgnoreOfflineRequest> set to 1 and its OfflineScript is empty. Therefore, a request Offline to the controller might fail to bring the controlled application Offline.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CTL, 11) Controller <controller> has its attributes StandbyCapable set to 1, its attribute <IgnoreStandbyRequest> set to 1 and its OnlineScript is empty. Therefore, a request Standby to the controller might fail to bring the controlled application Standby.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.2.6 CUP: userApplication contracts

(CUP, 1) *userApplication*: priority list conflict detected, trying again ...

Content:

In a priority list, priority of the destination node of a *userApplication* is configured. When the priority list is renewed by starting or stopping of RMS, the priority list is synchronized to be consistent between the nodes. However, when the priority list between the nodes is not consistent temporarily, this message is printed.

Corrective action:

No action is required.

(CUP, 9) *userApplication*: Switch Request skipped, processing of current online host contract is not yet settled.

Content:

A switch request was cancelled because processing of a current online host contract is not yet settled.

Corrective action:

If the *userApplication* didn't go online, invoke a manual switch request.

(CUP, 11) *userApplication* offline processing failed! The application is still partially online. The switch request is being skipped.

Content:

The offline processing for the *userApplication* failed, and the *userApplication* is still partially online, so the switch request is cancelled.

Corrective action:

Check the log files to see why the offline processing failed.

(CUP, 12) *userApplication* switch request skipped, required target node is not ready to go online!

Content:

A switch request to a *SysNode* has been executed. However, the *userApplication* *userApplication* cannot be switched to Online on the *SysNode*.

Corrective action:

Execute the switch request again after the *userApplication* *userApplication* can be switched to Online on the *SysNode*.

(CUP, 13) *userApplication* switch request skipped, no available node is ready to go online!

Content:

A switch request has been executed. However, No *SysNode* that includes the *userApplication* *userApplication*, which can be switched to Online state, exists.

Corrective action:

Execute the switch request again when a *SysNode* that includes the *userApplication* *userApplication*, which can be switched to Online state, exists.

(CUP, 14) *userApplication* did not get a response from <sender>.

Content:

A timeout occurred during the contract processing.

Corrective action:

If the *userApplication* didn't eventually go online, make sure that the *userApplication* is not online on any of the other nodes, and then invoke a manual switch request.

(CUP, 15) *userApplication*: targethost <host> is no longer available.

Content:

Information message.

Corrective action:

No action is required.

(CUP, 16) *userApplication* offline processing failed! The application is still partially online. The switch request is being skipped.

Content:

The offline processing for the *userApplication* failed and the *userApplication* is still partially online, so the switch request is cancelled.

Corrective action:

Check the log files to see why the offline processing failed.

(CUP, 17) *userApplication*: current online host request of host "host" accepted, local inconsistency has been overridden with the forced flag.

Content:

Although a local Inconsistent state existed, the current online host request with the forced switch option (*hvs*switch -f) has been accepted. The local inconsistency has been overridden.

Corrective action:

No action is required.

(CUP, 18) *userApplication*: current online host request of host "host" denied due to a local inconsistent state.

Content:

The current online host request is denied due to a local Inconsistent state.

Corrective action:

Clear the Inconsistent state first.

(CUP, 19) *userApplication*: is locally online, but is inconsistent on another host Trying to force a CurrentOnlineHost contract ...

Content:

The application is currently online on the local host but is inconsistent on another host. The application is switched to another host with the forced switch option to override the inconsistency.

Corrective action:

No action is required.

(CUP, 20) *userApplication*: AutoStart skipped, application is inconsistent on host "hostname".

Content:

The AutoStartUp processing is cancelled due to the Inconsistent state.

Corrective action:

Clear the Inconsistent state.

(CUP, 21) *userApplication*: FailOver skipped, application is inconsistent on host "*hostname*".

Content:

The failover processing is cancelled due to the Inconsistent state.

Corrective action:

Clear the Inconsistent state.

(CUP, 22) *userApplication*: Switch Request skipped, application is inconsistent on host "*hostname*".

Content:

The switch request is cancelled due to the Inconsistent state.

Corrective action:

Clear the Inconsistent state.

(CUP, 23) *userApplication*: Switch Request skipped, application is inconsistent on local host.

Content:

The switch request is cancelled due to the Inconsistent state.

Corrective action:

Clear the Inconsistent state.

(CUP, 24) *userApplication*: Switch Request processed, local inconsistency has been overridden with the forced flag.

Content:

Although a state is inconsistent, a switch request with the forced switch option ('hvswitch -f') is accepted and the local inconsistency has been overridden.

Corrective action:

No action is required.

(CUP, 25) *userApplication* is currently in an inconsistent state. The switch request is being skipped. Clear inconsistency first or you may override this restriction by using the forced switch option.

Content:

The *userApplication* is currently in an Inconsistent state on the local host. The application cannot be switched until the inconsistency is resolved, so the switch request is cancelled.

Corrective action:

Clear the Inconsistent state.

(CUP, 26) *userApplication*: LastOnlineHost conflict detected. Processing an AutoStart or PrioSwitch CurrentOnlineHost Contract with OnlinePriority enabled. TargetHost of Switch request is host "*host*", but the local host is the LastOnlineHost. Denying the request.

Content:

A LastOnlineHost conflict is detected and the local host is the LastOnlineHost, so the application will be brought online on the local host.

Corrective action:

No action is required.

(CUP, 27) *userApplication*: LastOnlineHost conflict occurred. Skipping local Online request, because host "host" has a conflicting LastOnlineHost entry.

Content:

A LastOnlineHost conflict is detected and the local host is not the LastOnlineHost, so the application will be brought online on the other host.

Corrective action:

No action is required.

(CUP, 28) *userApplication*: priority switch skipped, cannot get a deterministic information about the LastOnlineHost. Tried to switch to "hostname", but "loh" claims to be the LastOnlineHost. Conflict may be resolved by system administrator intervention (specifying explicitly the target host in the hvswitch call).

Content:

A LastOnlineHost conflict is detected, and RMS cannot determine the LastOnlineHost, so the application will not go online anywhere.

Corrective action:

Invoke a switch request specifying the target host.

(CUP, 29) *userApplication*: LastOnlineHost conflict occurred. Timestamps of conflicting LastOnlineHosts entries do not allow a safe decision, because their difference is lower than time seconds. Conflict must be resolved by system administrator intervention (invalidate LastOnlineHost entry via "hvutil -i *userApplication*" and invoke an explicit hvswitch call).

Content:

A LastOnlineHost conflict is detected, and the timestamps of conflicting LastOnlineHost entries do not allow a safe decision because their difference is lower than HV_LOH_INTERVAL. Therefore, the application will not go online anywhere.

Corrective action:

Invalidate the LastOnlineHost entry with 'hvutil -i <*userapplication*>', and then invoke a switch request specifying the target host.

(CUP, 30) *userApplication*: Denying maintenance mode request. *userApplication* is busy or is in stateFaulted.

Content:

A maintenance mode request, i.e., 'hvutil -m on/off' is denied because the *userApplication* is busy or is in the Faulted state.

Corrective action:

Clear the Faulted state and retry the maintenance mode request.

(CUP, 31) *userApplication*: maintenance mode request was denied by the remote SysNode "SysNode" because *userApplication* is busy or is in stateFaulted or not ready to leave Maintenance Mode. See remote switchlog for details

Content:

A maintenance mode request, i.e., 'hvutil -m on/off', is denied because the *userApplication* is busy, is in the Faulted state, or is not ready to leave maintenance mode.

Corrective action:

See the remote switchlog for details.

(CUP, 32) *userApplication*: Denying maintenance mode request. The following object(s) are not in an appropriate state for safely returning to normal operation: <resource>

Content:

A maintenance mode request ('hvutil -m on/off') is denied because the resources are not in an appropriate state for safely returning to normal operation.

Corrective action:

Fix the states of the listed resources.

(CUP, 33) *userApplication*: Denying maintenance mode request. The initialization of the state of the *userApplication* is not yet complete.

Content:

A maintenance mode request ('hvutil -m on/off') is denied because the initialization of the state of the *userApplication* is not yet complete.

Corrective action:

Wait for the initialization of the state of the *userApplication* and retry the maintenance mode request.

(CUP, 34) *userApplication*: LastOnlineHost conflict detected. Processing an AutoStart or PrioSwitch CurrentOnlineHost Contract with OnlinePriority enabled. TargetHost of Switch request is host "*host*", but the local host is the LastOnlineHost. The local host takes over Switch request.

Content:

A LastOnlineHost conflict is detected, and the local host is the LastOnlineHost, so the application will be brought online on the local host.

Corrective action:

No action is required.

6.1.2.7 DET: Detectors

(DET, 29) Resource <resource>: received detector report DetReportsOnlineWarn. The WarningScript "*warningscript*" will be run.

Content:

Information message.

Corrective action:

No action is required.

(DET, 31) Resource <resource> received detector report "DetReportsOfflineFaulted", the posted state will become <offlinefault> until one of the subsequent reports "DetReportsOffline", "DetReportsOnline", "DetReportsStandby" or "DetReportsFaulted"

Content:

Information message.

Corrective action:

No action is required.

(DET, 35) Resource <resource> received detector report "DetReportsOnlineWarn", the WarningScript is not defined and will not be run.

Content:

Information message.

Corrective action:

No action is required.

6.1.2.8 SCR: Scripts

(SCR, 17) Resource <resource> WarningScript has failed with status status.

Content:

The WarningScript of the resource <resource> has ended abnormally with the status <status>.

Corrective action:

Investigate if the WarningScript that is set for the resource <resource> has problems.

(SCR, 25) Controller <resource> StateChangeScript has failed with status status.

Content:

StateChangeScript exited with exit code *n*.

Corrective action:

Check that there are no problems with the controller that notified exit code *n* and is set by StateChangeScript.

(SCR, 31) AppStateScript of userApplication *userapplication* has failed with status status.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.2.9 SWT: Switch requests (hvswitch command))

(SWT, 1) The 'AutoStartUp' attribute is set and the HV_AUTOSTART_WAIT time for the user application <appli> has expired, without an automatic start up having yet taken place. Reason: not all necessary cluster hosts are online!

Content:

This message indicates that AutoStartup=1, PartialCluster=0, and not all the nodes were started within the HV_AUTOSTART_WAIT time.

Corrective action:

No action is required.

(SWT, 5) AutoStartUp skipped by object. Reason: object is faulted!

Content:

The AutoStartUp is cancelled due to the Faulted state.

Corrective action:

Clear the Faulted state.

(SWT, 6) AutoStartUp skipped by *object*. Reason: Fault occurred during initialization!

Content:

The AutoStartUp is cancelled due to the Faulted state.

Corrective action:

Clear the Faulted state.

(SWT, 7) AutoStartUp skipped by *object*. Reason: object is deactivated!

Content:

The AutoStartUp is cancelled because the userApplication is in the Deact state.

Corrective action:

Activate the userApplication and start the application manually.

(SWT, 8) AutoStartUp skipped by *object*. Reason: not all necessary cluster hosts are online!

Content:

The AutoStartUp is cancelled because the PartialCluster attribute is set to 0 and not all necessary cluster hosts are online.

Corrective action:

Start RMS on all necessary cluster hosts and then start the application manually if necessary.

(SWT, 11) *object*: no responsible node available, switch request skipped.

Content:

The switch request is cancelled because no node to which a userApplication can be switched is available.

Corrective action:

Execute the switch request again after the node to which userApplication can be switched. The destination node should include userApplications that are in Offline or Standby state.

(SWT, 12) *object* is busy or locked, switch request skipped.

Content:

The switch request is cancelled because *<object>* is either busy or locked.

Corrective action:

Wait until *<object>* is in a switchable state and then issue the request again.

(SWT, 13) Not all necessary cluster hosts for application *<userapplication>* are online, switch request is being skipped. If the application should be brought online anyway, use the force flag. Be aware, however, that forcing the application online could result in an inconsistent cluster if the application is online somewhere else!

Content:

The switch request is cancelled because not all necessary cluster hosts for the application are online.

Corrective action:

If the application should be brought online anyway, use the forced switch option ('hvswitch -f').



A forced application switch overrides all safety checks and could therefore result in data corruption or other inconsistencies. In PRIMECLUSTER 4.3A10 or later (Solaris) or PRIMECLUSTER 4.3A30 or later (Linux), RMS may kill the node on which RMS is not running before starting the application to reduce the risk of data corruption when the Forced switch request of an application is issued.

(SWT, 14) object is deactivated, switch request skipped.

Content:

The switch request is cancelled because the application has been deactivated.

Corrective action:

Activate the application and then issue the request again.

(SWT, 16) Switch request skipped, no target host found or target host is not ready to go online!

Content:

The target host was either not found or not ready to go online, so the switch request is cancelled.

Corrective action:

Wait for the target host to go online or start the target host.

(SWT, 18) object: is not ready to go online on local host, switch request Hskipped!

Content:

The switch request is cancelled because the application or the local host is in a transitional state.

Corrective action:

Wait until both the application and the local host are online and then issue the request again.

(SWT, 19) object: is not ready to go online on local host, trying to find another host.

Content:

For a priority or 'last online host' switch, if the target host of the switch is the node where the application is faulted, then the switch request is denied and the switch request is forwarded to another host in the cluster.

(SWT, 21) object: local node has faulted or offline faulted descendants, no other node is ready to go online, switchover skipped.

Content:

The switch request is cancelled because the local node has Faulted or OfflineFaulted descendants and no other node is ready to go online.

Corrective action:

Clear the Faulted/OfflineFaulted state.

(SWT, 22) object: local node has faulted or offline faulted descendants, forwarding switchover request to next host: targethost.

Content:

Information message.

Corrective action:

No action is required.

(SWT, 23) object is busy or locked, deact request skipped.

Content:

The Deact request cannot be processed because the target application is in busy or locked state.

Corrective action:

Wait until the target application status is changed, and then execute the Deact request again.

(SWT, 24) *object* is deactivated, switch request skipped.

Content:

The switch request cannot be processed because the target application is in the Deact state.

Corrective action:

Activate the target application.

(SWT, 28) *hostname* is unknown locally!

Content:

Information message.

Corrective action:

No action is required.

(SWT, 30) *<object>* was Online on *<onlinehost>*, which is not reachable. Switch request must be skipped to ensure data integrity. This secure mechanism may be overridden with the forced flag (-f) of the hvswitch command. WARNING: Ensure, that no further access to the data is performed by *<onlinehost>*, otherwise the use of the -f flag may break data consistency!

Content:

The *object* was Online on the remote node *onlinehost*, but it's currently inoperable. This could occur due to a previous shutdown of *onlinehost* via 'hvshut -f', or it could be a timing issue. The switch request is cancelled to protect data.

Corrective action:

If the application should be brought online anyway, use the forced switch option ('hvswitch -f').

 Note

.....

A forced application switch overrides all safety checks and could therefore result in data corruption or other inconsistencies.

In PRIMECLUSTER 4.3A10 or later (Solaris) or PRIMECLUSTER 4.3A30 or later (Linux), RMS may kill the node on which RMS is not running before starting the application to reduce the risk of data corruption when the Forced switch request of an application is issued. If the previous shutdown of *onlinehost* was not via 'hvshut -f', this could be a timing issue, so wait a moment and try it again.

.....

(SWT, 31) *<object>* was Online on *<onlinehost>*, which is not reachable. Caused by the use of the force flag the RMS secure mechanism has been overridden, Switch request is processed.

Content:

The *object* was Online on the remote node *onlinehost*, but it's currently inoperable. However, the switch request is processed because the forced switch option ('hvswitch -f') is used.

Corrective action:

No action is required.

(SWT, 32) *<object>* is currently in an inconsistent state on local host. The switch request is being skipped. Clear inconsistency first or you may override this restriction by using the forced switch option.

Content:

The application is currently in an Inconsistent state on the local host. The application cannot be switched until the inconsistency is resolved, so the switch request is cancelled.

Corrective action:

You can either clear the inconsistency first, or you can override this restriction by using the forced switch option ('hvswitch -f').

 **Note**

.....
A forced application switch overrides all safety checks and could therefore result in data corruption or other inconsistencies.

In PRIMECLUSTER 4.3A10 or later (Solaris) or PRIMECLUSTER 4.3A30 or later (Linux), RMS may kill the node on which RMS is not running before starting the application to reduce the risk of data corruption when the Forced switch request of an application is issued.
.....

(SWT, 33) <object> is not ready to go online on the local host. Due to a local inconsistent state no remote targethost may be used. The switch request is being skipped.

Content:

The application is currently in an Inconsistent state on the local host. The application cannot be switched until the inconsistency is resolved, so the switch request is cancelled.

Corrective action:

You can either clear the inconsistency first, or you can override this restriction by using the forced switch option ('hvswitch -f').

 **Note**

.....
A forced application switch overrides all safety checks and could therefore result in data corruption or other inconsistencies.

In PRIMECLUSTER 4.3A10 or later (Solaris) or PRIMECLUSTER 4.3A30 or later (Linux), RMS may kill the node on which RMS is not running before starting the application to reduce the risk of data corruption when the Forced switch request of an application is issued.
.....

(SWT, 34) <object> is not ready to go online on local host trying to find another host.

Content:

The userApplication is not ready to go online on the local host, so RMS forwards the switch request to the next host in its priority list.

Corrective action:

No action is required.

(SWT, 35) object is not ready to go online on local host switch request skipped.

Content:

The userApplication is not ready to go online on the local host so the direct switch request is cancelled.

Corrective action:

Make sure that the userApplication is in Offline or Standby state on the local host.

(SWT, 36) <sysnode> is in Wait state, switch request skipped.

Content:

The *sysnode* is in the Wait state, so the switch request is cancelled.

Corrective action:

Wait for the node to get out of the Wait state and try the switch request again.

(SWT, 37) AutoStartUp for application <userapplication> is ignored since hvmod had been invoked with the flag '-i'.

Content:

Information message.

Corrective action:

No action is required.

(SWT, 58) Processing policy switch request for application *userapplication*. The cluster host *sysnode* is in a Wait state, no switch request can be processed. The application will go offline now.

Content:

Information message.

Corrective action:

No action is required.

(SWT, 59) Processing policy switch request for application *userapplication*. No cluster host is available to take over this application. The application will go offline now.

Content:

Information message.

Corrective action:

No action is required.

(SWT, 60) Processing policy switch request for application *userapplication* which is in state Standby. The application will go offline now.

Content:

During a policy switch, if an exclusive application switches to a node, then all applications in the Standby state must go offline because they have a lower priority. This message simply warns the user that the application is in the Standby state and will be going offline due to the above reason.

Corrective action:

No action is required.

(SWT, 69) AutoStartUp for application <userapplication> is ignored since, the environment variable HV_AUTOSTARTUP is set to 0.

Content:

The application doesn't start up automatically because the environment variable HV_AUTOSTARTUP is set to 0, and this overrides each application's AutoStartUp attribute.

Corrective action:

To allow application startup according to each application's AutoStartUp attribute, set the environment variable HV_AUTOSTARTUP to 1.

(SWT, 72) *userapplication* received Maintenance Mode request from the controlling userApplication. The request is denied, because the state is either Faulted or Deact or the application is busy or locked.

Content:

The maintenance mode request from the controlling *userApplication* is denied because the state is either Faulted or Deact or the application is busy or locked.

Corrective action:

Clear the Faulted or Deact state and try it again.

6.1.2.10 SYS: SysNode objects

(SYS, 16) The RMS internal SysNode name "sysnode" is not compliant with the naming convention of the Reliant Cluster product. A non-compliant setting is possible, but will cause all RMS commands to accept only the SysNode name, but not the HostName (uname -n) of the cluster nodes!

Content:

The SysNode of RMS is not consistent with the format `<uname -n>RMS`. On Oracle Solaris zone environments, in the configuration in which PRIMECLUSTER is used, when the host name in the non-global zone includes capital letters, this message may be printed when RMS in the non-global zone is started.

Corrective action:

No action is required.

(SYS, 18) The SysNode <sysnode> does not follow the RMS naming convention for SysNodes. To avoid seeing this message in the future, please rename the SysNode to use the CF-based name of the form "<CFname>RMS" and restart the RMS monitor.

Content:

The SysNode name of RMS is not consistent with `<CFname>RMS`.

Corrective action:

Change the SysNode name to `<CFname>RMS`.

(SYS, 88): No heartbeat from cluster host *sysnode* within the last 10 seconds. This may be a temporary problem caused by high system load. RMS will react if this problem persists for *time* seconds more.

Content:

As heartbeat between RMS's was lost and no responses were returned for `<time>` sec or more, forcible stop is executed.

Corrective action:

The following causes are possible. Take the necessary action according to the cause.

- Cluster interconnect cannot communicate because of hardware failure. Remove the hardware failure cause by replacing the LAN card or cable.
- High CPU load has been continued for long time to the degree RMS cannot process heartbeat. Remove the Review the process that the host on the SysNode `<SysNode>` has high load.
- The clock was set back rapidly with NTP. Slowly adjust the clock with NTP.

(SYS, 99) The attribute `<alternateip>` specified for SysNode `<sysnode>` should not be used in CF mode. Ignoring it.

Content:

Information message.

Corrective action:

No action is required.

6.1.2.11 UAP: userApplication objects

**(UAP, 2) object got token *token* from node *node*.
TOKEN SKIPPED! Reason: *reason*.**

Content:

This message gives a reason for skipping a particular action. This message is output when a process is executed by Cluster Admin or other function while some other process is executed. For example, it is generated to show that the Offline processing that has been requested during the PreCheck processing prior to the transition of the userApplication to Standby is ignored because the userApplication is currently executing the Standby processing.

Corrective action:

No action is required.

(UAP, 3) object: double fault occurred and Halt attribute is set. Halt attribute will be ignored, because no other cluster host is available.

Content:

The HaltFlag attribute will be ignored if there are no more available hosts.

Corrective action:

Make sure that there is a sufficient number of available cluster hosts.

(UAP, 4) object has become online, but is also in the HV_AUTOSTARTUP_IGNORE list of cluster hosts to be ignored on startup! The Cluster may be in an inconsistent condition!

Content:

Information message.

Corrective action:

No action is required.

(UAP, 11) object is not ready to go online on local node. Online processing skipped.

Content:

The userApplication is not ready to go online on the local node because it is busy or in the Faulted state.

Corrective action:

Clear the Faulted state.

(UAP, 12) object: targethost of switch request: <host> no longer available, request skipped.

Content:

Information message.

Corrective action:

No action is required.

(UAP, 14) object: is not ready to go online on local host. Switch request skipped.

Content:

Information message.

Corrective action:

No action is required.

(UAP, 18) SendUAppLockContract(): invalid token: *token*.

Content:

During contract processing, the invalid token is received.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 25) AutoStartUp skipped by *object*. Reason: not all necessary, cluster hosts are online!

Content:

The userApplication didn't start up automatically because not all necessary cluster hosts are online.

Corrective action:

Enable all necessary cluster hosts to be Online..

(UAP, 30) *object* is not ready to go online on local host. Trying to find another host.

Content:

The userApplication is not ready to go online on local host so find another host.

Corrective action:

No action is required.

(UAP, 52) *userapplication*: double fault occurred and Halt attribute is set. Halt attribute will be ignored, because attribute AutoSwitchOver is set to *attrvalue*.

Content:

Information message.

Corrective action:

No action is required.

6.1.2.12 US: us files

(US, 10) *object*: userApplication transitions into stateOnline, though it was faulted before according to the persistent Fault info. Check for possible inconsistencies

Content:

Information message.

Corrective action:

No action is required.

(US, 23) *appli*: double fault occurred, processing terminated.

Content:

Further processing for < *appli* > will be stopped because of the double fault.

Corrective action:

Check the other messages in the switchlog to determine the reason for the double fault. Clear the double fault.

**(US, 28) *object*: PreCheck failed
switch request will be canceled now and not be forwarded to another host, because this was a directed switch request, where the local host has explicitly been specified as targethost.**

Content:

A PreCheckScript failed during a directed switch request, i.e., the target host of the request was explicitly specified. In this case the switch request is cancelled, so it is not forwarded to the next host in the priority list.

Corrective action:

Invoke a new switch request specifying the next host as target host. If you want RMS to forward the request automatically, you should invoke a priority switch (hvswitch without a specified target host).

(US, 29) object: PreCheck failed trying to find another host ...

Content:

A PreCheckScript failed during a priority switch request. In this case the switch request is forwarded to the next host in the priority list.

Corrective action:

No action is required.

(US, 43) object: PreCheck failed Standby request canceled.

Content:

Execution of the PreCheckScript has failed and standby processing will be stopped.

Corrective action:

Check to see why the PreCheckScript has failed and correct the script if necessary.

(US, 45) object: PreCheck failed switch request will be canceled now and not be forwarded to another host, because AutoSwitchOver=ResourceFailure is not set.

Content:

A PreCheckScript failed and the AutoSwitchOver attribute did not include the ResourceFailure option. In this case RMS will not take automatic action in the event of a script failure. The switch request is cancelled, and it is not forwarded to the next host in the priority list.

Corrective action:

Invoke a new switch request specifying the next host as the target. If you want RMS to forward the request automatically, turn on the ResourceFailure option of the AutoSwitchOver attribute.

(US, 47) userapplication: Processing of Clear Request resulted in a Faulted state. Resuming Maintenance Mode nevertheless. It is highly recommended to analyse and clear the fault condition before leaving Maintenance Mode!

Content:

A Clear request ('hvutil -c') was issued for an application <userapplication> in maintenance mode. It failed to clear the state of the graph and resulted in a Faulted state of the application.

Corrective action:

Check the switchlog for the origin of the failure. Fix the failure condition and re-run 'hvutil -c'. Do not leave maintenance mode until the fault condition has been cleared.

(US, 55) object: PreCheck failed, because the controller userApplication of type LOCAL "userapplication" is not ready to perform a PreCheck.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.2.13 WLT: Wait list

(WLT, 6) Resource *resource's* script did not terminate gracefully after receiving SIGTERM.

Content:

A resource script failed to end normally.

Corrective action:

Check if the timeout has occurred in the script.

6.1.2.14 WRP: Wrappers

(WRP, 11) Message send failed, queue id *<queueid>*, process *<process>*, *<name>*, to host *<node>*.

Content:

RMS exchanges messages between processes and hosts to maintain inter-host communication. If the delivery of a message has failed then this error is printed. This can occur if one or more hosts in the cluster are not active or if there is a problem with the network.

Corrective action:

(i) Check the other hosts in the cluster. If any are not alive, check the switchlog for information regarding why RMS has died on those hosts. Perform the following steps in order:

1. 'hvdisp -a'
2. In the output of step 1., check if the state of any of the resources whose type is SysNode is offline. If so, that means that RMS is not running on that node.
3. Check the switchlogs of all the nodes that are offline to determine the reason why RMS on that node is not active.

(ii) If the other hosts that are part of the cluster are alive then that means there is some problem with the network.

When fjsnap command, pclsnap command, or hvdump command is executed while some nodes that configure a cluster are stopped, this message may be printed. In this case, no action is required.

(WRP, 39) The RMS base monitor has not been able to process timer interrupts for the last *n* seconds. This delay may have been caused by an unusually high OS load. The differences between respective values of the times() system call are for *tms_utime utime*, for *tms_stime stime*, for *tms_cutime cutime*, and for *tms_cstime cstime*. If this condition persists, then normal RMS operations can no longer be guaranteed; it can also lead to a loss of heartbeats with remote hosts and to an elimination of the current host from the cluster.

Content:

RMS was unable to operation for certain seconds (*n* sec).

Corrective action:

This message may be generated by the temporary high load on CPU. The RMS will return to its normal operation when the load is reduced. You can usually ignore this message if the high CPU load lasts for only a short time.

(WRP, 41) The interconnect entry *<interconnect>* specified for SysNode *<sysnode>* has the same IP address as that of the interface *<existinginterconnect>*.

Content:

The IP address of the interconnects *<interconnect>* and the existing interconnects *<existinginterconnect>* are the same.

Corrective action:

Check if different IP address is specified for each interconnects.

(WRP, 51) The 'echo' service for udp may not have been turned on, on the local host. Please ensure that the echo service is turned on.

Content:

The echo service of UDP may not be valid on the local node.

Corrective action:

Check if the echo service is valid and activated.

6.1.3 Non-fatal Error Messages

This chapter contains a detailed list of non-fatal RMS error messages output in the switchlog file.

Check displayed component names of messages and then see the table below to determine references. The component names are explained in numerical order of messages.

Component name	Reference
ADC	"6.1.3.1 ADC: Admin configuration"
ADM	"6.1.3.2 ADM: Admin, command, and detector queues"
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6.1.3.1 ADC: Admin configuration

(ADC, 1) Since this host <hostname> has been online for no more than *time* seconds and due to the previous error, it will shut down now.

Content:

time is the value of the environment variable HV_CHECKSUM_INTERVAL, if set, or 120 seconds otherwise. This message could appear when the checksums of the configurations of the local and the remote host are different, no more than *time* seconds have elapsed, and one of the following is true:

- When the remote host is joining the cluster, and all the applications on the local host are either Offline or Faulted. RMS exits with exit code 60.
- The configuration for the local host does not include the remote host, but the configuration for the remote host does include the local host. The local host hostname will shut down with exit code 60.

Corrective action:

The local and the remote hosts are running different configurations. Make sure that both of them are running the same configuration.

(ADC, 2) Since not all of the applications are offline or faulted on this host <hostname>, and due to the previous error, it will remain online, but neither automatic nor manual switchover will be possible on this host until <detector> detector will report offline or faulted.

Content:

The checksums of the configurations of the local and the remote hosts are different, no more than the number of seconds determined by the value of the environment variable HV_CHECKSUM_INTERVAL have passed, and not all of the applications are offline or faulted. RMS will continue to remain online, but neither automatic nor manual switchover will be possible on this host until the detector *detector* reports offline or faulted.

Corrective action:

Make sure that both the local and remote hosts are running with the same RMS configuration file.

(ADC, 3) Remote host <hostname> reported the checksum (*remotechecksum*) which is different from the local checksum (*localchecksum*).

Content:

This message is output in the following situations.

- The checksum of the configuration file reported by the remote host *hostname* is different from the checksum of the configuration file on the local host.
- Setting of the RMS global environment variable differs depending on each node.

Corrective action:

Take following actions depending on the situation.

- The checksum of the configuration file reported by the remote host *hostname* is different from the checksum of the configuration file on the local host.

The most likely cause for this would be that the local host and the remote host are running with different configuration files. Make sure that the local host and the remote host are running the same configuration file.

- Setting of the RMS global environment variable differs depending on each node.

Correct the *hvenv.local* on all the nodes and then restart RMS.

(ADC, 4) Host <hostname> is not in the local configuration.

Content:

This message is output when the RMS configuration file reported by the remote node <*hostname*> and the RMS configuration file on the local node is different. This message is also output when the setting of the RMS global environment variable differs depending on each node.

Corrective action:

The most likely cause for this would be that the local host and the remote host are running with different configuration files. Make sure that the local host and the remote host are running the same configuration file.

Make sure that the When the setting of the RMS global environment variable differs depending on each node, correct the hvenv.local to be consistent on all the nodes and then restart RMS.

(ADC, 5) Since this host <hostname> has been online for more than *time* seconds, and due to the previous error, it will remain online, but neither automatic nor manual switchover will be possible on this host until <detector> detector will report offline or faulted.

Content:

If the checksums of the configurations of the local and the remote host are different and if more than *time* seconds have elapsed since this host has gone online (*time* is the value of the environment variable HV_CHECKSUM_INTERVAL if set, or 120 seconds otherwise), then RMS prints the above message.

Corrective action:

Make sure that all the hosts in the cluster are running with the same configuration file.

(ADC, 15) Global environment variable <envattribute> is not set in hvenv file.

Content:

RMS was unable to set the global environment variable *envattribute* because it has not been set in hvenv.

envattribute can be any one of the following: RELIANT_LOG_LIFE, RELIANT_SHUT_MIN_WAIT, HV_CHECKSUM_INTERVAL, HV_LOG_ACTION_THRESHOLD, HV_LOG_WARNING_THRESHOLD, HV_WAIT_CONFIG or HV_RCSTART. This will eventually cause RMS to exit with exit code 1.

Corrective action:

Set the value of the environment variable to an appropriate value.

(ADC, 17) <SysNode> is not in the Wait state, hvutil -u request skipped!

Content:

The 'hvutil -u' command has been invoked on a node, but its *SysNode* is not in the Wait State (internal option).

Corrective action:

Reissue the command after the *Sysnode* has reached the Wait state.

(ADC, 18) Local environmental variable <envattribute> is not set up in hvenv file.

Content:

RMS was unable to set the local environment variable *envattribute* because it has not been set in *hvenv*. *envattribute* can be any one of the following:

SCRIPTS_TIME_OUT, RELIANT_INITSCRIPT, RELIANT_STARTUP_PATH, HV_CONNECT_TIMEOUT, HV_MAXPROC or HV_SYSLOG_USE. This will eventually cause RMS to exit with exit code 1.

Corrective action:

Set the value of local environment variable in the /opt/SMAW/SMAWRrms/bin/hvenv.local file to an appropriate value.

(ADC, 20) <SysNode> is not in the Wait state. hvutil -o request skipped!

Content:

The 'hvutil -o' command has been invoked on a node, but its *SysNode* is not in the Wait State.

Corrective action:

Reissue the command after the *Sysnode* has reached the Wait state.

(ADC, 25) Application <userapplication> is locked or busy, modification request skipped.

Content:

This message is generated if hvmod has been invoked without the -l option and the application is processing some requests.

Corrective action:

Reissue the hvmod command when the userApplication has completed the current switch request.

(ADC, 27) Dynamic modification failed.

Content:

Dynamic modification has failed. The exact reason for the failure is displayed in the message preceding this one.

Corrective action:

Check the switchlog for the error message occurring prior to this message or find out the exact cause of the failure.

(ADC, 30) HV_WAIT_CONFIG value <seconds> is incorrect, using 120 instead.

Content:

If the value of the environment variable HV_WAIT_CONFIG is 0 or has not been set, the default value of 120 is used instead.

Corrective action:

Set the value of HV_WAIT_CONFIG in the /opt/SMAW/SMAWRrms/bin/hvenv.

(ADC, 31) Cannot get the NET_SEND_Q queue.

Content:

RMS uses the NET_SEND_Q queue for transmitting contract information. If there is some problem with this queue, the operation is aborted. The operation can be any one of the following: hvrcp, hvcopy.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 32) Message send failed during the file copy of file <filename>.

Content:

A error occurred while transferring file *filename* across the network.

Corrective action:

Check if there are any problems with the network.

(ADC, 33) Dynamic modification timeout.

Content:

The time taken for dynamic modification is greater than the timeout limit. The timeout limit is the greater of the environment variable MODIFYTIMEOUTLIMIT (if defined) or 0. If the value for the environment variable is 0 or less, the timeout limit is 0. If the variable is not defined, the default timeout limit is 120 seconds.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 34) Dynamic modification timeout during start up - bm will exit.

Content:

The time taken for dynamic modification during bm startup is greater than the timeout limit. The timeout limit is the greater of the environment variable MODIFYTIMEOUTLIMIT (if defined) or 0. If the value for the environment variable is 0 or less, the timeout limit is 0. If the variable is not defined, the default timeout limit is 120 seconds. RMS exits with exit code 63.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 35) Dynamic modification timeout, bm will exit.

Content:

Critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 37) Dynamic modification failed: cannot make a non-critical resource <resource> critical by changing its attribute MonitorOnly to 0 since this resource is not online while it belongs to an online application <userapplication>; switch the application offline before making this resource critical.

Content:

During dynamic modification, if there is an attempt to make a non-critical resource *resource* MonitorOnly while it is not online and the userApplication *userapplication* is Online this message is printed, and dynamic modification is aborted.

Corrective action:

Switch the userApplication Offline before making the resource critical.

(ADC, 38) Dynamic modification failed: application <userapplication> has no children, or its children are not valid resources.

Content:

If RMS finds that the userApplication *userapplication* will have no children while performing dynamic modification, this message is printed to the switchlog and dynamic modification is aborted.

Corrective action:

Make sure that the userApplication has valid children while performing dynamic modification.

(ADC, 39) The putenv() has failed (failurereason)

Content:

The wizards use the environment variable HVMOD_HOST during dynamic modification. This variable holds the name of the host on which hvmod has been invoked. If this variable cannot be set with the function putenv(), then this message is printed to the switchlog along with the reason *failurereason*.

Corrective action:

Check the reason *failurereason* in the switchlog to find out why this operation has failed and take corrective action based on this.

(ADC, 41) The Wizard action failed (command)

Content:

Wizards make use of an action file during hvmod. If the execution of this action file (*command*) has failed due to the process exiting by using an exit call, this message is printed to the switchlog along with the reason for this failure.

Corrective action:

Check the switchlog for finding the reason for this failure and rectify it before reissuing the `hvmmod` command.

(ADC, 43) The file transfer for <filename> failed in "command". The dynamic modification will be aborted.

Content:

During dynamic modification, files containing modification information are transferred between the hosts of the cluster. If, for any reason, a file transfer fails, the dynamic modification is aborted.

Corrective action:

Make sure that host and cluster conditions are such that `command` can be safely executed.

(ADC, 44) The file transfer for <filename> failed in "command". The join will be aborted.

Content:

When a host joins a cluster, it receives a cluster configuration file. If, for any reason, a file transfer fails, the dynamic modification is aborted.

Corrective action:

Make sure that host and cluster conditions are such that `command` can be safely executed.

(ADC, 45) The file transfer for <filename> failed in "command" with errno <errno> - errorreason. The dynamic modification will be aborted.

Content:

During dynamic modification, files containing modification information are transferred between the hosts of the cluster. If, for any reason, a file transfer fails, the dynamic modification is aborted. A specific reason for this failure is referred to by the OS error code `ERRNO` and its explanation in `ERRORREASON`. The list is also available at "[Appendix B Solaris/Linux ERRNO table](#)" in this manual.

Corrective action:

Make sure that host and cluster conditions are such that `command` can be safely executed.

(ADC, 46) The file transfer for <filename> failed with unequal write byte count, expected *expectedvalue* actual *actualvalue*. The dynamic modification will be aborted.

Content:

During dynamic modification, files containing modification information are transferred between the hosts of the cluster.

Corrective action:

Make sure that host, cluster and network conditions are such that `command` can be safely executed.

(ADC, 47) RCP fail:can't open file filename.

Content:

If the file `filename` that has been specified as the file to be copied from the local host to the remote host cannot be opened for reading, this message is printed.

Corrective action:

Make sure that the file `filename` is readable.

(ADC, 48) RCP fail:fseek errno *errno*.

Content:

During a file transfer between the hosts, RMS encountered a problem indicated by the OS error code `ERRNO`.

Corrective action:

Make sure that the host, cluster and network conditions are such that file transfer proceeds without errors.

(ADC, 49) Error checking hvdisp temporary file <filename>, errno <errno>, hvdisp process pid <processid> is restarted.

Content:

The RMS base monitor periodically checks the integrity and size of the temporary file used to transfer configuration data to the hvdisp process. If this file cannot be checked, then hvdisp process is restarted automatically, though some data may be lost and not displayed at this time. Specific OS error code for the error encountered is displayed in ERRNO.

Corrective action:

Make sure that the host conditions are such that the temporary file can be checked. Sometimes, you may need to restart the hvdisp process by hand.

(ADC, 57) An error occurred while writing out the RMS configuration for the joining host. The hvjoin operation is aborted.

Content:

When a remote host joins a cluster, this host attempts to dump its own configuration for a subsequent transfer to the remote host. If the configuration cannot be saved, the hvjoin operation is aborted.

Corrective action:

One of the previous messages contain a detailed explanation about the error occurring while saving the configuration. Correct the host environment according to the explanation, or contact field engineers.

(ADC, 58) Failed to prepare configuration files for transfer to a joining host. Command used <command>.

Content:

When a remote host joins a cluster, this host attempts to prepare its own configuration for a subsequent transfer to the remote host. For that, it uses the command *command*. If the *command* fails, the hvjoin operation is aborted.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 59) Failed to store remote configuration files on this host. Command used <command>.

Content:

When this host joins a cluster, this host attempts to store remote configuration files for a subsequent dynamic modification on this host. For that, it uses the command *command*. If the *command* fails, the hvjoin operation is aborted.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 60) Failed to compress file <file>. Command used <command>.

Content:

File transfer is a part of some RMS operations such as dynamic modification and hvjoin. Before transferring a file *file* to a remote host, it must be compressed with the command *command*. If the *command* fails, the operation that requires the file transfer is aborted.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 61) Failed to shut down RMS on host <host>.

Content:

While performing RMS cluster-wide shutdown, RMS on host *host* failed to shut down.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 62) Failed to shut down RMS on this host, attempting to exit RMS.

Content:

While performing RMS clusterwide shutdown, RMS on this host failed to shut down. Another attempt to shut down this host is automatically initiated.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 63) Error <errno> while reading file <file>, reason: <reason>.

Content:

While reading file *file*, an error *errno* occurred. The reason is explained in *reason* File reading errors may occur during dynamic modification, or during hvjoin operation.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 68) Error <errno> while opening file <file>, reason:<reason>.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 70) Message sequence # is out of sync - File transfer of file <filename> has failed.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.3.2 ADM: Admin, command, and detector queues

(ADM, 3) Dynamic modification failed: some resource(s) supposed to come offline failed.

Content:

During dynamic modification when new resource(s) to be added to an offline parent object and that resource cannot be brought offline, this message is printed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 4) Dynamic modification failed: some resource(s) supposed to come online failed.

Content:

During dynamic modification when new resource(s) that are to be added to an online parent object by executing the online scripts and that resource cannot be brought online, dynamic modification is aborted.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 5) Dynamic modification failed: object <object> is not linked to any application.

Content:

During dynamic modification, if there is an attempt to add an object *object* that does not have a parent (and hence not linked to any userApplication), this message is printed and dynamic modification is aborted.

Corrective action:

Make sure that every object to be added during dynamic modification is linked to a userApplication.

(ADM, 6) Dynamic modification failed: cannot add new resource <resource> since another existing resource with this name will remain in the configuration.

Content:

When RMS receives a directive to add a new resource *resource* with the same name as that of an existing resource, this message is printed to the switchlog and dynamic modification aborts.

Corrective action:

Make sure that when adding a new resource, its name does not match the name of any other existing resource.

(ADM, 7) Dynamic modification failed: cannot add new resource <resource> since another existing resource with this name will not be deleted.

Content:

When RMS receives a directive to add a new resource *resource* with the name of an existing resource, it prints out this message and dynamic modification aborts.

Corrective action:

Make sure that when adding a new resource, its name does not match the name of any other existing resource.

(ADM, 8) Dynamic modification failed: cycle of length <cycle_length> detected in resource <resource> -- <cycle>.

Content:

In the overall structure of the graph of the RMS resources, no cycles are allowed along the chains of parent/child links. If this is not the case then dynamic modification fails and the message specified above will be printed to the switchlog.

Corrective action:

Get rid of the cycles.

(ADM, 9) Dynamic modification failed: cannot modify resource <resource> since it is going to be deleted.

Content:

Since, deleting a resource causes all its children with no other parents to get deleted as well, deleting a resource and then modifying the attributes of the deleted resource or a child of that resource that has no other parents leads to dynamic modification being aborted and the message being printed to the switchlog.

Corrective action:

While performing dynamic modification of a resource make sure that the resource that is being modified has not been deleted.

(ADM, 11) Dynamic modification failed: cannot delete object <resource> since it is a descendant of another object that is going to be deleted.

Content:

When there is an attempt to delete a child object when the parent object has been deleted, the above message will appear in the switchlog and dynamic modification aborted.

Corrective action:

Make sure that when an object is being deleted explicitly, its parents have not already been deleted because that means this object has also been deleted.

(ADM, 12) Dynamic modification failed: cannot delete <resource> since its children will be deleted.

Content:

When there is an attempt to delete a resource *resource* whose children have already been deleted, the above message will appear in the switchlog and dynamic modification aborted.

Corrective action:

Make sure that when a resource is being deleted explicitly, its children have not already been deleted.

(ADM, 13) dynamic modification failed:object <resource> is in state <state> while needs to be in one of stateOnline, stateStandby, stateOffline, stateFaulted, or stateUnknown.

Content:

Every resource has to be in either one of the states: stateOnline, stateOffline, stateFaulted, stateUnknown or stateStandby. If the resource *resource* is not in any of the states mentioned above, it prints the above message and dynamic modification is aborted. Theoretically this is not possible.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 14) Dynamic modification failed: cannot link to or unlink from an application <userapplication>.

Content:

If the parent of the resource is a userApplication, then linking to or unlinking a child from that parent is not possible. If there is an attempt to perform this, then the above message will be printed to the switchlog and dynamic modification will be aborted.

Corrective action:

Do not link or unlink a resource from a userApplication.

(ADM, 15) Dynamic modification failed: parent object <parentobject> is not a resource.

Content:

When RMS gets a directive to link existing resources during dynamic modification, and the parent object *parentobject* to which the child object is being linked is not a resource, then dynamic modification fails, and this message is printed.

Corrective action:

Make sure that while linking 2 objects, the parent of the child object is a resource.

(ADM, 16) Dynamic modification failed: child object <childobject> is not a resource.

Content:

When RMS gets a directive to link existing resources during dynamic modification, if the child object *childobject* that is being linked to a parent object is not a resource, then dynamic modification fails and this message is printed.

Corrective action:

Make sure that while linking 2 objects, the child of the parent object is a resource.

(ADM, 17) Dynamic modification failed: cannot link parent <parentobject> and child <childobject> since they are already linked.

Content:

An attempt was made to link a parent *parentobject* and a child *childobject* that are already linked. This message is printed, and dynamic modification is aborted.

Corrective action:

While trying to perform dynamic modification, make sure that the parent and the child that are to be linked are not already linked.

(ADM, 18) Dynamic modification failed: cannot link a faulted child <childobject> to parent <parentobject> which is not faulted.

Content:

While creating a new link between 2 existing objects, during dynamic modification, a faulted child *childobject* cannot be linked to a parent *parentobject* that is not faulted. The child first needs to be brought to the state of the parent. If this condition is violated, the aforementioned message will be printed to the switchlog. Dynamic modification is aborted.

Corrective action:

Bring the faulted child to the state of the parent before linking them.

(ADM, 19) Dynamic modification failed: cannot link child <childobject> which is not online to online parent <parentobject>.

Content:

While linking 2 existing objects during dynamic modification, the combination of states parent Online and child not Online is not allowed. When this happens, dynamic modification is aborted and a message is printed to the switchlog.

Corrective action:

The child *childobject* first needs to be brought to the online state before linking it to the online parent *parentobject*.

(ADM, 20) Dynamic modification failed: cannot link child <childobject> which is neither offline nor standby to offline or standby parent <parentobject>.

Content:

Any attempt to link 2 existing objects in which the child is neither in the Offline nor the Standby state, and the parent is in the Offline or Standby state, is prohibited. This message is printed in the switchlog, and dynamic modification is aborted.

Corrective action:

The child needs to be first brought to offline or standby state before linking it to the parent that is in offline or standby state.

(ADM, 21) Dynamic modification failed: Cannot unlink parent <parentobject> and child <childobject> since they are not linked.

Content:

Trying to unlink object *parentobject* from object *childobject* when they are not already linked results in this message with dynamic modification aborted.

Corrective action:

If you want to unlink 2 objects make sure that they share a parent child relationship.

(ADM, 22) Dynamic modification failed: child <childobject> will be unlinked but not linked back to any of the applications.

Content:

Unlinking a child *childobject* so that no links remain linking it to any *userApplication* is not allowed.

Corrective action:

Make sure that the child is still linked to a *userApplication*

(ADM, 23) Dynamic modification failed: sanity check did not pass for linked or unlinked objects.

Content:

Dynamic modification performs some sanity checks to ensure that all of the following are true:

1. The *HostName* attribute is present only for children of *userApplication* objects.
2. The child of a *userApplication* does not have another parent.
3. Each object belongs to only one *userApplication*.
4. Leaf objects have detectors.
5. Leaf objects that have the *DeviceName* attribute have it set to a valid value.
6. The length of the attribute *rName* for the leaf objects is smaller than the maximum.
7. There are no duplicate lines in the *hvgdstartup* file.
8. The *kind* argument for the detector in the *hvgdstartup* is specified.
9. All detectors can be loaded.
10. A valid value has been specified for the *rKind* attribute.
11. The *ScriptTimeout* value is greater than the detector cycle time.
12. No objects are and and or at the same time.
13. *ClusterExclusive* and *LieOffline*, which are mutually exclusive, are not used together.

If some of these sanity checks fail, then this message will be printed and dynamic modification is aborted.

A FATAL message is also printed to the switchlog with more details as to why the sanity check failed.

Corrective action:

Make sure that the sanity checks mentioned above pass.

(ADM, 24) Dynamic modification failed: object <object> that is going to be linked or unlinked will be either deleted, or unlinked from all applications.

Content:

Any attempt to perform the operations of deleting an object *object* from the RMS resource graph and then trying to unlink it from its parent object or vice versa results in dynamic modification being aborted and the above message being printed to the switchlog.

Corrective action:

Make sure that the operations of deletion and unlinking are not performed on an object at the same time.

(ADM, 25) Dynamic modification failed: parent object <parentobject> is absent.

Content:

When a new object is being added to an existing configuration, it should have an existing object *parentobject* as its parent, if not then, dynamic modification is aborted and the message is printed to the switchlog.

Corrective action:

Make sure that the parent specified for a new object that is being added is existent.

(ADM, 26) Dynamic modification failed: parent object <parentobject> is neither a resource nor an application.

Content:

When a new object is being added to an existing configuration, if the parent object *parentobject* that has been specified is not a resource, it leads to dynamic modification aborting and the message being printed. Dynamic modification is aborted.

Corrective action:

Make sure that the parent object specified for a new object is a resource.

(ADM, 27) Dynamic modification failed -- child object <childobject> is absent.

Content:

Any attempt to link to a child object *childobject* that is non-existent leads to this message and dynamic modification aborts.

Corrective action:

Make sure that the child object to be linked to exists.

(ADM, 28) Dynamic modification failed: child object <childobject> is not a resource.

Content:

When a new object *childobject* being added to an existing configuration is not a resource, this message is printed, and dynamic modification is aborted.

Corrective action:

Make sure that the child object specified is a resource.

(ADM, 29) Dynamic modification failed -- parent object <parentobject> is absent.

Corrective action:

A critical error has occurred. Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 30) Dynamic modification failed: parent object <parentobject> is not a resource.

Content:

During dynamic modification if there is a request to add a new parent object *parentobject* that is not a resource, this message is printed, and dynamic modification aborts.

Corrective action:

Make sure that the object being added as a parent object is a resource.

(ADM, 31) Dynamic modification failed: child object <childobject> is absent.

Content:

As part of dynamic modification, if the specified child object *childobject* does not exist, then this message is printed, and dynamic modification is aborted.

Corrective action:

Make sure that the child object that has been specified exists.

(ADM, 32) Dynamic modification failed: child object <childobject> is not a resource.

Content:

When adding a new object to the RMS resource graph, if the child *childobject* of this new object is not a resource, dynamic modification aborts.

Corrective action:

Make sure that when adding a new object, its child is a resource.

(ADM, 33) Dynamic modification failed: object <object> cannot be deleted since either it is absent or it is not a resource.

Content:

If RMS gets a directive to delete an object *object* that is either non-existent or not a resource, this message is printed along with the failure of dynamic modification.

Corrective action:

Make sure that you don't try to delete an object that does not exist.

(ADM, 34) Dynamic modification failed: deleted object <object> is neither a resource nor an application nor a host.

Content:

An object deleted during dynamic modification is neither a resource type object, nor a userApplication nor a SysNode object. Only resources, applications and hosts (SysNode objects) can be deleted during dynamic modification.

Corrective action:

Do not delete this object, or delete another object.

(ADM, 37) Dynamic modification failed: resource <object> cannot be brought online and offline/standby at the same time.

Content:

When a resource *object* is added to an existing RMS resource graph and it is linked as a child to two parent objects, one of which is online and the other offline/standby, this message is printed: a child object needs to be brought to the state of its parent.

Corrective action:

Make sure that both the parents of the resource to be added are in the same state before adding it.

(ADM, 38) Dynamic modification failed: existing parent resource <parentobject> is in state <state> but needs to be in one of stateOnline, stateStandby, stateOffline, stateFaulted, or stateUnknown.

Content:

During dynamic modification, if the state *state* of a parent resource *parentobject* is not one of the states stateOnline, stateOffline, stateFaulted, or stateUnknown, dynamic modification aborts.

Corrective action:

Make sure that the state of the parent resource is one of the states mentioned above.

(ADM, 39) Dynamic modification failed: new resource object which is a child of application <userapplication> has its HostName <hostname> the same as another child of application <userapplication>.

Content:

When a new object *object* is being added as a child of *userapplication* and the value of its *HostName* attribute is the same as the value of the *HostName* attribute of an existing child of *userapplication*, this message is printed, and dynamic modification is aborted.

Corrective action:

Make sure that the *HostName* attribute of an object that is being added to *userApplication* is different from the values of the *HostName* attributes of other first level children of *userapplication*.

(ADM, 40) Dynamic modification failed: a new child *<child_object>* of existing application *<userapplication>* does not have its *HostName* set to a name of any *SysNode*.

Content:

When a new child object *childobject* is added to an application *userapplication* during dynamic modification, if the *HostName* attribute is missing for this object, this message is printed, and dynamic modification is aborted.

Corrective action:

The first level object under *userapplication* must have a *HostName* attribute.

(ADM, 41) Dynamic modification failed: existing child *<childobject>* is not online, but needs to be linked with *<parentobject>* which is supposed to be brought online.

Content:

If both the parent *parentobject* and the child *childobject* have detectors associated with them, if the state of the child is not online, but it needs to be linked to the parent that is supposed to be online, then this message will be printed and dynamic modification aborted.

Corrective action:

Make sure that the parent and the child are in the similar state.

(ADM, 42) Dynamic modification failed: existing child *<childobject>* is online, but needs to be linked with *<parentobject>* which is supposed to be brought offline.

Content:

Trying to link a child *childobject* that is online to a parent object, which is supposed to go offline, is not allowed, and dynamic modification is aborted.

Corrective action:

Make sure that the parent and the child are in a similar state.

(ADM, 43) Dynamic modification failed: linking the same resource *<childobject>* to different applications *<userApplication1>* and *<userApplication2>*.

Content:

When RMS gets a directive to add a new child object *childobject* having as parent and child resources belonging to different applications *userapplication1* and *userapplication2*, the above message is printed and dynamic modification aborts.

Corrective action:

When adding a new resource make sure that it does not have as its parent and children, resources belonging to different applications.

(ADM, 44) Dynamic modification failed: object *<object>* does not have an existing parent.

Content:

Any attempt to create an object *object* that does not have an existing parent leads to this message and dynamic modification aborts.

Corrective action:

Make sure that the object *object* has an existing object as its parent.

(ADM, 45) Dynamic modification failed: HostName is absent or invalid for resource <object>.

Content:

If the HostName attribute of object *object* is an invalid value then this message occurs and dynamic modification is aborted. If the HostName attribute is missing, (ADM, 40) will take care of it.

Corrective action:

Set the HostName attribute of resource *object* to the name of a valid SysNode.

(ADM, 46) Dynamic modification failed: linking the same resource <object> to different applications <userapplication1> and <userapplication2>.

Content:

RMS received a directive to add a new child object *object* by linking it to parent objects belonging to different applications *userapplication1* and *userapplication2*. Dynamic modification is aborted.

Corrective action:

When adding a new child resource, make sure that it does not have as its parents resources belonging to different applications.

(ADM, 47) Dynamic modification failed: parent object <parentobject> belongs to a deleted application.

Content:

Any attempt to add a new node having as its parent *parentobject* fails if the parent *parentobject* is the child of an object that has been deleted, because deleting an object automatically causes its children to be deleted as well if they don't have any other parents. This causes dynamic modification to fail.

Corrective action:

When adding a new object makes sure that its parent has not already been deleted.

(ADM, 48) Dynamic modification failed: child object <childobject> belongs to a deleted application.

Content:

Any attempt to delete an object *childobject* belonging to a deleted application elicits this response from RMS because deleting an application automatically causes all its children to be deleted as well.

Corrective action:

Do not try to delete an object belonging to an already deleted application.

(ADM, 49) Dynamic modification failed: deleted object <objectname> belongs to a deleted application.

Content:

Any attempt to delete an object *objectname* that belongs to a deleted application leads to this error because deleting an application deletes all its children including *objectname*.

Corrective action:

Make sure that before an object is deleted, it does not belong to an application that is being deleted.

(ADM, 50) Dynamic modification failed: cannot delete object <object> since it is a descendant of a new object.

Content:

When RMS gets a directive to delete an object *object*, which is a descendant of a new object, this message is printed, and dynamic modification is aborted.

Corrective action:

Make sure that when an object is being deleted, it is not a descendant of a new object.

(ADM, 51) Dynamic modification failed: cannot link to child <childobject> since it will be deleted.

Content:

When RMS gets a directive to link to a child *childobject* that is going to be deleted, dynamic modification aborts.

Corrective action:

Do not link to a child object that is to be deleted.

(ADM, 52) Dynamic modification failed: cannot link to parent <parentobject> since it will be deleted as a result of deletion of object <object>.

Content:

If there is an attempt to delete an object *object* and use its descendants (which should be deleted as a result of deleting the parent) as the parent for a new resource that is being added to the RMS resource graph, this error message is printed and dynamic modification aborts.

Corrective action:

Do not attempt to delete an object and use its descendant as the parent for a new resource.

(ADM, 53) Dynamic modification failed: <node> is absent.

Content:

An attempt was made to modify the attribute of a node *node* that is absent. This message is printed and dynamic modification is aborted.

Corrective action:

Modify the attributes of an existing node.

(ADM, 54) Dynamic modification failed: NODE <object>, attribute <attribute> is invalid.

Content:

When RMS receives a directive to modify a node *object* with attribute *attribute* that has an invalid value, this message is printed, and dynamic modification is aborted.

Corrective action:

Specify a valid value for the attribute *attribute*.

(ADM, 55) Cannot create admin queue.

Content:

RMS uses Unix queues internally for interprocess communication. Admin queue is one such queue that is used for communication between RMS and other utilities like hvutil, hvmod, hvshut, hvswitch and hvdisp. If RMS cannot create this queue due to some reason, RMS exits with exit code 50.

Corrective action:

Restart RMS.

(ADM, 57) hvdisp - open failed - filename.

Content:

If RMS is unable to open the file `/opt/SMAW/SMAWRrms/locks/.rms.<pid>` for writing when 'hvdisp -m' has been invoked, this message is printed.

Corrective action:

Verify that the directory `/opt/SMAW/SMAWRrms/locks` exists and allows files to be created (correct permissions, free space in the file system, free inodes). If one of these problems exists, fix it via the appropriate administrator operation. If none of these problems apply, but the RMS failure still occurs, contact field engineers.

(ADM, 58) hvdisp - open failed - filename : errmsg.

Content:

When hvdisp is unable to open the file file (/opt/SMAW/SMAWRrms/locks/.rms.<pid>) for writing, it prints out the reason *errmsg*.

Corrective action:

Verify that the directory /opt/SMAW/SMAWRrms/locks exists and allows files to be created (correct permissions, free space in the file system, free inodes). If one of these problems exists, fix it via the appropriate administrator operation. If none of these problems apply, but the RMS failure still occurs, contact field engineers.

(ADM, 59) userapplication: modification is in progress, switch request skipped.

Content:

This message is printed to the switchlog because commands like hvswitch, hvutil and hvshut cannot run in parallel with a non local hvmod.

Corrective action:

Make sure that before a hvswitch is performed, hvmod is not operating on *userapplication*.

(ADM, 60) <resource> is not a userApplication object, switch request skipped!

Content:

While performing a switch, hvswitch requires a userApplication as its argument. If the resource *resource* is not a userApplication, this message is printed.

Corrective action:

Check the man page for hvswitch for usage information.

(ADM, 62) The attribute <ShutdownScript> may not be specified for object <object>.

Content:

The attribute ShutdownScript is a hidden attribute of a SysNode. The RMS base monitor automatically defines its value -- users cannot change it in any way.

Corrective action:

Do not attempt to change the built-in value of the ShutdownScript attribute.

(ADM, 63) System name <sysnode> is unknown.

Content:

This message can occur in these scenarios:

1. The name of the SysNode specified in hvswitch is not included in the current configuration. (hvswitch [-f] userapplication [sysnode])
2. The name of the SysNode specified for 'hvshut -s sysnode' is not a valid one, i.e., *sysnode* is not included in the current configuration.
3. The name of the SysNode specified for 'hvutil -ou' is unknown (hidden options).

Corrective action:

Specify a SysNode that is included in the current configuration, i.e., appears in the *configname.us* file.

(ADM, 67) sysnode Cannot shut down.

Content:

This message could appear if 'hvshut -a' was invoked and not all of the nodes replied with an acknowledgement.

Corrective action:

Login to the remote hosts. If RMS is still running, perform 'hvutil -f <userapplication>' to shut down each application one at a time. If this fails, refer to the switchlog and *userapplication* log files to find the reason for the problem. If all applications have been shut down correctly, perform a forced RMS shutdown with 'hvshut -f.' Report the problem to field engineers.

(ADM, 70) NOT ready to shut down.

Content:

The node on which 'hvshut -a' has been invoked is not yet ready to be shut down because the application is busy on the node.

Corrective action:

Wait until the ongoing action (e.g., switchover, dynamic reconfiguration) has terminated.

(ADM, 75) Dynamic modification failed: child <resource> of userApplication object <userapplication> has HostName attribute <hostname> common with other children of the same userApplication.

Content:

This message occurs if the RMS internal sanity-check functions detect a severe configuration problem. This message should not occur if the configuration has been set up using RMS configuration wizards.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 76) Modification of attribute <attribute> is not allowed within existing object <object>.

Content:

The attribute *attribute* is constant and can only be set in a configuration file.

Corrective action:

Make sure that there is no attempt to modify *attribute* within *object*.

(ADM, 77) Dynamic modification failed: cannot delete object *object* since its state is currently being asserted.

Content:

This message can appear in the switchlog if dynamic modification is being performed on an object that is being asserted.

Corrective action:

Perform the modification after the assertion has been fulfilled.

(ADM, 78) Dynamic modification failed: PriorityList <prioritylist> does not include all the hosts where the application <userapplication> may become Online. Make sure that PriorityList contains all hosts from the HostName attribute of the application's children.

Content:

Set PriorityList for *userapplication* to include all the host names from the HostName attribute of the application's children.

Corrective action:

No duplicate host names should be present in the PriorityList.

(ADM, 79) Dynamic modification failed: PriorityList <prioritylist> includes hosts where the application <userapplication> may never become Online. Make sure PriorityList contains only hosts from the HostName attributes of the application's children.

Content:

The HostName attribute of one or more of the children specifies hosts that are not in the parent's PriorityList attribute.

Corrective action:

Set the PriorityList attribute of *userapplication* to include all the host names listed in the HostName attributes of the application's children. No duplicate host names should be present in the PriorityList.

(ADM, 81) Dynamic modification failed: application <userapplication> may not have more than <maxcontroller> parent controllers as specified in its attribute MaxControllers.

Content:

If *userapplication* uses more parent controllers than specified by the attribute MaxControllers (*maxcontroller*), this message is printed, and dynamic modification is aborted.

Corrective action:

Make sure that the number of parent controllers used by an application is less than the number specified as part of the MaxControllers attribute, or modify MaxControllers to increase the number.

(ADM, 82) Dynamic modification failed: cannot delete type <object> unless its state is one of Unknown, Wait, Offline or Faulted.

Content:

This message may appear in the switchlog if there is an attempt to delete a SysNode from a running configuration if the node is not in one of the states Unknown, Wait, Offline or Faulted.

Corrective action:

Shut down RMS on that host and then do the deletion.

(ADM, 83) Dynamic modification failed: cannot delete SysNode <sysnode> since this RMS monitor is running on this SysNode.

Content:

During dynamic modification the local SysNode *sysnode* was going to be deleted.

Corrective action:

Make sure dynamic modification does not contain 'delete *sysnode*;' where *sysnode* is the name of the local node.

(ADM, 84) Dynamic modification failed: cannot add SysNode <sysnode> since its name is not valid.

Content:

This message appears in the switchlog if the name *sysnode* specified as part of the dynamic modification is not resolvable to any known host name.

Corrective action:

Specify a host name that is resolvable to a network address.

(ADM, 85) Dynamic modification failed: timeout expired, timeout symbol is <symbol>.

Content:

If the dynamic modification takes too much time, this message is printed.

Corrective action:

Make sure that the network connection between the hosts is functional, and also verify that the scripts from newly added resources do not take too much time to execute, or that dynamic modification does not add too many new nodes, or that the modification file is too big or too complex.

(ADM, 86) Dynamic modification failed: application <userapplication> cannot be deleted since it is controlled by the controller <controller>.

Content:

A controlled application *userapplication* cannot be deleted while its controller *controller* retains the application's name in its Resource attribute.

Corrective action:

Remove the name of the deleted application from the controller's Resource attribute, or add a new application with the same name, or delete the controller together with its controlled application, or change the controller's NullDetector attribute to 1.

(ADM, 87) Dynamic modification failed: only local attributes such as ScriptTimeout, DetectorStartScript, NullDetector or MonitorOnly can be modified during local modification (hvmod -l).

Content:

The reason for this message is that only the modification of local attributes is allowed during local modification.

Corrective action:

Make a non-local modification, or modify different attributes.

(ADM, 88) Dynamic modification failed: attribute <attribute> is modified more than once for object <object>.

Content:

This message may appear because an attribute of a particular object can be modified only once in the same modification file, but *attribute* has been modified more than once for *<object>*.

Corrective action:

Modify the attribute only once per object.

(ADM, 89) Dynamic modification failed: cannot rename existing object <sysnode> to <othersysnode> because either there is no object named <sysnode>, or another object with the name <othersysnode> already exists, or a new object with that name is being added, or the object is not a resource, or it is a SysNode, or it is a controlled application which state will not be compatible with its controller.

Content:

This message appears when we try to rename an existing object *sysnode* to other node *othersysnode* but one of the following conditions was encountered:

- othersysnode is not a valid name.
- othersysnode is already used by some other host in the cluster.
- othersysnode is not a resource.
- othersysnode is a controlled application.

Corrective action:

Choose another valid host name

(ADM, 90) Dynamic modification failed: cannot change attribute Resource of the controller object <controllerobject> from <oldresource> to <newresource> because some of <oldresource> are going to be deleted.

Content:

This message appears when the user tries to rename a resource that is controlled by a controller object and is going to be deleted.

Corrective action:

Make sure deleted applications are not referred from any controller.

(ADM, 91) Dynamic modification failed: controller <controller> has its Resource attribute set to <resource>, but application named <userapplication> is going to be deleted.

Content:

This message appears when the user tries to control a resource *resource* with a controller *controller* but the application associated with that resource is going to be deleted.

Corrective action:

Make sure the controller's Resource attribute does not refer to a deleted application.

(ADM, 95) Cannot retrieve information about command line used when starting RMS. Start on remote host must be skipped. Please start RMS manually on remote hosts.

Content:

RMS was started with the -a option but due to some internal error RMS could not be started on the remote host. This is a critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide." For temporary workaround, try again or start RMS manually on each host.

(ADM, 96) Remote startup of RMS failed <startupcommand>.Reason: errorreason.

Content:

When RMS cannot be started on remote hosts because the command *startupcommand* failed, this message is printed.

Corrective action:

This may occur when some of the hosts are not reachable or the network is down.

Check the network and remote host for abnormalities remove the problem cause, and retry.

(ADM, 98) Dynamic modification failed: controller <controller> has its Resource attribute set to <resource>, but some of the controlled applications from this list do not exist.

Content:

This message appears when the controller node was not able to find the applications controlled by it with the applications running on the host.

Corrective action:

Correct your modification file so that the controllers refer only to the existing applications.

(ADM, 99) Dynamic modification failed: cannot change attribute Resource of the controller object <controller> from <oldresource> to <newresource> because one or more of the applications listed in <newresource> is not an existing application or its state is incompatible with the state of the controller, or because the list contains duplicate elements.

Content:

This message appears when the user tries to change the Resource attribute of the controller object *controller* from *oldresource* to *newresource* because one or more of the applications listed in *newresource* is not an existing application or its state is incompatible with the state of the controller, or because the list contains duplicate elements.

Corrective action:

Make sure that the applications listed in the resource *newresource* are not written more than once or invalid.

(ADM, 100) Dynamic modification failed: because a controller <controller> has AutoRecover set to 1, its controlled application <userapplication> cannot have PreserveState set to 0 or AutoSwitchOver set to 1.

Content:

If an application needs to be controlled by a controller then the applications' attributes PreserveState and AutoSwitchOver need to be 1 and No respectively if the controller has its AutoRecover set to 1.

Corrective action:

Check the PreserveState and AutoSwitchOver attribute of the application.

(ADM, 106) The total number of SysNodes specified in the configuration for this cluster is *hosts*. This exceeds the maximum allowable number of SysNodes in a cluster which is *maxhosts*.

Content:

The total number of SysNode objects in the cluster has exceeded the maximum allowable limit.

Corrective action:

Make sure that the total number of SysNode objects in the cluster does not exceed *maxhosts*.

(ADM, 107) The cumulative length of the SysNode names specified in the configuration for the userApplication <userapplication> is *length*. This exceeds the maximum allowable length which is *maxlength*.

Content:

The cumulative length of the SysNode names specified in the configuration for application *userapplication* exceeds the maximum allowable limit.

Corrective action:

Limit the length of the SysNode names so that they fit within the maximum allowable limit.

(ADM, 125) Dynamic modification failed: The <attr> entry <value> for SysNode <sysnode> matches the <attr> entry or the SysNode name for another SysNode.

Content:

The entry *attr* must be unique.

Corrective action:

Ensure that the *attr* entry is unique.

(ADM, 126) *userapplication*: This application is controlled by controller *object*. That controller is defined as a LOCAL controller and as such switching this application must be done by switching the controlling application *userapplication*

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 128) <resource> is neither a userApplication nor a resource object, switch request skipped!

Content:

While performing a switch, hvswitch requires a userApplication or a resource as its argument. If the resource *resource* is not a userApplication or a resource, this message is printed.

Corrective action:

Check the man page for hvswitch for usage information.

6.1.3.3 BAS: Startup and configuration error

(BAS, 2) Duplicate line in hvgdstartup.

Content:

If RMS detects that a line has been duplicated in the hvgdstartup, it prints this error message. The end result of this is that RMS will exit with exit code 23.

Corrective action:

Only unique lines are allowed in hvgdstartup. Remove all the duplicate entries.

(BAS, 3) No kind specified in hvgdstartup.

Content:

In the hvgdstartup file, the entry for the detector is not of the form 'g<n> -t<n> -k<n>', or the -k<n>& option is missing. Since RMS is unable to start, it exits with exit code 23.

Corrective action:

Modify the entry for the detector so that the kind (-k<n> option) for the detector is specified properly.

(BAS, 6) DetectorStartScript for kind <kind> cannot be redefined while detector is running.

Content:

During dynamic modification, there was an attempt to redefine the kind for the DetectorStartScript.

Corrective action:

Do not attempt to redefine the DetectorStartScript when the detector is already running.

(BAS, 9) ERROR IN CONFIGURATION FILE: *message*.

Content:

The message can be any one of the following:

1. Check for SanityCheckErrorPrint
2. Object <object> cannot have its HostName attribute set since it is not a child of any userApplication. Only the direct descendants of userApplication can have the HostName attribute set.
3. In basic.C:parentsCount(...)
4. The node <node> belongs to more than one userApplication, *app1* and *app2*. Nodes must be children of one and only one userApplication node.
5. The node <node> is a leaf node and this type <type> does not have a detector. Leaf nodes must have detectors.
6. The node <node> has an empty DeviceName attribute. This node uses a detector and therefore it needs a valid DeviceName attribute.
7. The rName is <rname>, its length *length* is larger than max length *maxlength*.
8. The DuplicateLineInHvgdstartup is <number>, so the hvgdstartup file has a duplicate line.
9. The NoKindSpecifiedForGdet is <number>, so no kind specified in hvgdstartup.
10. Failed to load a detector of kind <kind>.
11. The node <node> has an invalid rKind attribute. Nodes of type gResource must have a valid rKind attribute.
12. The node <node> has a ScriptTimeout value that is less than its detector report time. This will cause a script timeout error to be reported before the detector can report the state of the resource. Increase the ScriptTimeout value for *objectname* (currently *value* seconds) to be greater than the detector cycle time (currently *value* seconds).
13. Node <node> has no detector while all its children's "MonitorOnly" attributes are set to 1.

14. The node *<node>* has both attributes "LieOffline" and "ClusterExclusive" set. These attributes are incompatible; only one of them may be used.
15. The type of object *<object>* cannot be or and at the same time.
16. Object *<object>* is of type and, its state is online, but not all children are online.

Corrective action:

Verify the above description and change the configuration appropriately.

(BAS, 14) ERROR IN CONFIGURATION FILE: The object *<object>* belongs to more than one userApplication, *userapplication1* and *userapplication2*. Objects must be children of one and only one userApplication object.

Content:

An object was encountered as a part of more than one user applications.

RMS applications cannot have common objects.

Corrective action:

Redesign your configuration so that no two applications have common objects.

(BAS, 15) ERROR IN CONFIGURATION FILE: The object *<object>* is a leaf object and this type *<type>* does not have a detector. Leaf objects must have detectors.

Content:

An object that has no children objects (i.e. a leaf object) is of type *type* that has no detectors in RMS. All leaf objects in RMS configurations must have detectors.

Corrective action:

Redesign your configuration so that all leaf objects have detectors.

(BAS, 16) ERROR IN CONFIGURATION FILE: The object *object* has an empty DeviceName attribute. This object uses a detector and therefore it needs a valid DeviceName attribute.

Content:

A critical internal error has occurred. If this message appears in switchlog, it indicates a severe problem in the base monitor.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BAS, 17) ERROR IN CONFIGURATION FILE: The rName is *<rname>*, its length *length* is larger than max length *maxlength*.

Content:

The value of the rName attribute exceeds the maximum length of *maxlength* characters.

Corrective action:

Specify a shorter rName not to exceed the upper limit.

(BAS, 18) ERROR IN CONFIGURATION FILE: The duplicate line number is *<linenumber>*.

Content:

This message prints out a line number of the duplicate line in hvgdstartup file.

Corrective action:

Make sure that file hvgdstartup has no duplicate lines.

(BAS, 19) ERROR IN CONFIGURATION FILE: The NoKindSpecifiedForGdet is <kind>, so no kind specified in hvgdstartup.

Content:

The kind has not been specified for the generic detector in the hvgdstartup file.

Corrective action:

Specify the kind for the generic detector in hvgdstartup.

(BAS, 23) ERROR IN CONFIGURATION FILE: DetectorStartScript for object *object* is not defined. Objects of type *type* should have a valid DetectorStartScript attribute.

Content:

Object *object* does not have its DetectorStartScript defined.

Corrective action:

Make sure that the DetectorStartScript is defined for object *object*.

(BAS, 24) ERROR IN CONFIGURATION FILE: The object *object* has an invalid rKind attribute. Objects of type *gResource* must have a valid rKind attribute.

Content:

Object *object* has an invalid rKind attribute.

Corrective action:

Make sure that the object *object* has a valid rKind attribute.

(BAS, 25) ERROR IN CONFIGURATION FILE: The object *object* has a ScriptTimeout value that is less than its detector report time. This will cause a script timeout error to be reported before the detector can report the state of the resource. Increase the ScriptTimeout value for *object* (currently *seconds* seconds) to be greater than the detector cycle time (currently *detectorcycletime* seconds).

Content:

The ScriptTimeout value is less than the detector cycle time. This will cause the resource to appear faulted when being brought Online or Offline.

Corrective action:

Make the value of ScriptTimeout greater than the detector report time.

(BAS, 26) ERROR IN CONFIGURATION FILE: The type of object <*object*> cannot be 'or' and 'and' at the same time.

Content:

Each RMS object must be of a type derived from or and types, but not both. If this message appears in the switchlog, it indicates of a severe corruption of the RMS executable.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BAS, 27) ERROR IN CONFIGURATION FILE: object <*object*> is of type 'and', its state is online, but not all children are online.

Content:

This message may appear during dynamic modification, when the existing configuration is checked before applying the modification. If this message appears, the dynamic modification will not proceed.

Corrective action:

Make sure that online objects of type and have all their children in online states, only then apply dynamic modification.

(BAS, 29) ERROR IN CONFIGURATION FILE:object <object> cannot have its HostName attribute set since it is not a child of any userApplication.

Content:

An object that is not a child of a userApplication has its HostName attribute set. Only children of the userApplication object can and must have its HostName attribute set.

Corrective action:

Eliminate the HostName attribute from the definition of the object, or disconnect the userApplication object from this object, making this object a child of another, non-userApplication object.

(BAS, 30) ERROR IN CONFIGURATION FILE:The object *object* has both attributes "LieOffline" and "ClusterExclusive" set.These attributes are incompatible; only one of them may be used.

Content:

Both attributes LieOffline and ClusterExclusive are set for the same RMS object. Only one of them can be set for the same object.

Corrective action:

Eliminate one or both settings from the RMS object *object*.

(BAS, 31) ERROR IN CONFIGURATION FILE:Failed to load a detector of kind <kind>.

Content:

A detector was not able to be started by the RMS base monitor.

Corrective action:

Make sure detector executable is present in the right place and has executable privileges.

(BAS, 32) ERROR IN CONFIGURATION FILE:Object <object> has no detector while all its children's <MonitorOnly> attributes are set to 1.

Content:

An object without a detector has all its children's MonitorOnly attributes set to 1. An object without a detector must have at least one child for which MonitorOnly is set to 0.

Corrective action:

Change the configuration so that each object without a detector has at least one child with its MonitorOnly set to 0.

(BAS, 36) ERROR IN CONFIGURATION FILE:The object *object* has both attributes "MonitorOnly" and "ClusterExclusive" set. These attributes are incompatible; only one of them may be used.

Content:

Both attributes MonitorOnly and ClusterExclusive are set for the same RMS object. Only one of them can be set for the same object.

Corrective action:

Eliminate one or both settings from the RMS object *object*.

(BAS, 43) ERROR IN CONFIGURATION FILE: The object *object* has both attributes "MonitorOnly" and "NonCritical" set. These attributes are incompatible; only one of them may be used.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.3.4 BM: Base monitor

(BM, 13) no symbol for object <object> in .inp file, line = *linenumber*.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 14) Local queue is empty on read directive in line: *linenumber*.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 15) destination object <object> is absent in line: *linenumber*.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 16) sender object <object> is absent in line: *linenumber*.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 17) Dynamic modification failed: line *linenumber*, cannot build an object of unknown type <symbol>.

Content:

An object of unknown type is added during dynamic modification.

Corrective action:

Use only objects of known types in configuration files.

(BM, 18) Dynamic modification failed: line *linenumber*, cannot set value for attribute <attribute> since object <object> does not exist.

Content:

An attribute of a non-existing object cannot be modified.

Corrective action:

Modify attributes only for existing objects.

(BM, 19) Dynamic modification failed: line *linenumber*, cannot modify attribute *<attribute>* of object *<object>* with value *<value>*.

Content:

Invalid attribute is specified for modification.

Corrective action:

Modify only valid attributes.

(BM, 20) Dynamic modification failed: line *linenumber*, cannot build object *<object>* because its type *<symbol>* is not a user type.

Content:

An object *object* of a system type *symbol* is specified during dynamic modification.

Corrective action:

Use only valid resource types when adding new objects to configuration.

(BM, 21) Dynamic modification failed: cannot delete object *<object>* because its type *<symbol>* is not a user type.

Content:

An object *object* of a system type *symbol* is specified for deletion.

Corrective action:

Delete only objects that are valid resource types.

(BM, 23) Dynamic modification failed: The *<Follow>* attribute for controller *<controller>* is set to 1, but the content of a PriorityList of the controlled application *<controlleduserApplication>* is different from the content of the PriorityList of the application *<userapplication>* to which *<controller>* belongs.

Content:

This message appears when the PriorityList of the controlled application *controlleduserapplication* is different from the content of the PriorityList of the application *userapplication* to which the controller *controller* belongs.

Corrective action:

Make sure that the PriorityList of the controller and the controlled application is same.

(BM, 24) Dynamic modification failed: some resource(s) supposed to come standby failed.

Content:

During dynamic modification, an attempt was made to add new resource(s) to a resource that was in Standby mode, but the resources could not also be brought into Standby mode.

Corrective action:

Analyze your configuration to make sure that standby capable resources can get to the Standby state.

(BM, 25) Dynamic modification failed: standby capable controller *<controller>* cannot control application *<userapplication>* which has no standby capable resources on host *<sysnode>*.

Content:

In order for an application *userapplication* to be controlled by a controller *controller* the application *userapplication* has to have at least one standby capable resource on host *sysnode*.

Corrective action:

Make sure that the controlled application has at least one standby capable controller or make sure that the controllers are not standby capable.

(BM, 26) Dynamic modification failed: controller <controller> cannot have attributes StandbyCapable and IgnoreStandbyRequest both set to 0.

Content:

This message appears when user sets both controller attributes StandbyCapable and IgnoreStandbyRequest to 1.

Corrective action:

Make sure that only one is set to 1 and other to 0.

(BM, 29) Dynamic modification failed: controller object <controller> cannot have its attribute 'Follow' set to 1 while one of OnlineTimeout or StandbyTimeout is not null.

Content:

The controller node *controller* should have one of its attributes Online-Timeout or StandbyTimeout be null to allow the attribute Follow to be 1.

Corrective action:

Set the attributes accordingly and try again.

(BM, 42) Dynamic modification failed: application <userapplication> is not controlled by any controller, but has one of its attributes ControlledSwitch or ControlledShutdown set to 1.

Content:

This message appears when the user wants the application *userapplication* to be controlled by a controller but one or more of the applications' attributes ControlledSwitch or ControlledShutdown is set to 1.

Corrective action:

Set the attributes accordingly and try again.

(BM, 46) Dynamic modification failed: cannot modify a global attribute <attribute> locally on host <hostname>.

Content:

The user cannot modify global attributes *attribute* like DetectorStartScript or NullDetector or NonCritical locally on a host *hostname*.

Corrective action:

Modify the attribute globally or modify locally a different *attribute*.

(BM, 54) The RMS-CF-CIP mapping cannot be determined for any host due to the CIP configuration file <configfilename> missing entries. Please verify all entries in <configfilename> are correct and that CF and CIP are fully configured.

Content:

CIP configuration file has missing entries.

Corrective action:

Make sure that the CIP configuration has entries for all the RMS hosts that are running in a cluster.

(BM, 59) Error *errno* while reading line <linenumber> of .dob file -- <errorreason>.

Content:

During dynamic modification, the base monitor reads its configuration from a '.dob' file. When this file cannot be read, this message appears in the switchlog. The specific OS error is indicated in *errno* and *errorreason*.

Corrective action:

Make sure the host conditions are such that .dob file can be read without errors.

(BM, 68) Cannot get message queue parameters using sysdef, errno = <errno>, reason: <reason>.

Content:

While obtaining message queue parameters, sysdef was not able to communicate them back to the base monitor. The values of *errno* and *reason* indicate the kind of error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 71) Dynamic modification failed: Controller <controller> has its attribute Follow set to 1. Therefore, its attribute IndependentSwitch must be set to 0, and its controlled application <application> must have attributes

**AutoSwitchOver == "No"
StandbyTransitions="No"
AutoStartUp=0
ControlledSwitch = 1
ControlledShutdown = 1
PartialCluster = 0.**

However, the real values are

**IndependentSwitch = <isw>
AutoSwitchOver = <asw>
StandbyTransitions = <str>
AutoStartUp = <asu>
ControlledSwitch = <csw>
ControlledShutdown = <css>
PartialCluster = <pcl>.**

Content:

When the controller's Follow attribute is set, other attributes such as IndependentSwitchover, AutoSwitchOver, StandbyTransitions, AutoStartUp, ControlledSwitch, ControlledShutdown and PartialCluster must have the values 0, No, No, 0, 1, 1 and 0 respectively. However, this condition is violated in the configuration file.

Corrective action:

Supply a valid combination of attributes for the controller and its controlled user application.

(BM, 72) Dynamic modification failed: Controller <controller> with the <Follow> attribute set to 1 belongs to an application <application> which PersistentFault is <appfault>, while its controlled application <controlledapplication> has its PersistentFault <_fault>.

Content:

If controller has its Follow set to 1 then all its controlled applications must have the same value for the attribute PersistentFault as the parent application of the controller.

Corrective action:

Check and correct the RMS configuration file.

(BM, 73) The RMS-CF interface is inconsistent and will require operator intervention. The routine "routine" failed with error code errocode - "errorreason".

Content:

This is a generic message indicating that the execution of the routine *routine* failed due to the reason *errorreason* and hence the RMS-CF interface is inconsistent.

Corrective action:

No action is required if this message is output when RMS is stopped on multiple nodes at the same time. In other cases, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 74) The attribute `DetectorStartScript` and `hvgdstartup` file cannot be used together. The `hvgdstartup` file is for backward compatibility only and support for it may be withdrawn in future releases. Therefore it is recommended that only the attribute `DetectorStartScript` be used for setting new configurations.

Content:

The attribute `DetectorStartScript` and the file `hvgdstartup` are mutually exclusive.

Corrective action:

Make sure that the `DetectorStartScript` be used for setting new configurations as support for `hvgdstartup` may be discontinued in future releases.

(BM, 75) Dynamic modification failed: controller `<controller>` has its attributes `SplitRequest`, `IgnoreOnlineRequest`, and `IgnoreOfflineRequest` set to 1. If `SplitRequest` is set to 1, then at least one of `IgnoreOfflineRequest` or `IgnoreOnlineRequest` must be set to 0.

Content:

Invalid combination of controller attributes is encountered. If both `IgnoreOfflineRequest` and `IgnoreOnlineRequest` are set to 1, then no request will be propagated to the controlled application(s), so no request can be split.

Corrective action:

Provide a valid combination of the controller attributes.

(BM, 80) Dynamic modification failed: controller `<controller>` belongs to the application `<application>` which `AutoSwitchOver` attribute has "Shutdown" option set, but its controlled application `<controlled>` has not.

Content:

If a controlling application has its `AutoSwitchOver` attribute set with the option "Shutdown", then all applications controlled by the controllers that belong to this controlling application must also have their `AutoSwitchOver` attributes having the option "Shutdown" set as well.

Corrective action:

Provide correct settings for the `AutoSwitchOver` attributes.

(BM, 81) Dynamic modification failed: local controller attributes such as `NullDetector` or `MonitorOnly` cannot be modified during local modification (`hvmmod -l`).

Content:

The reason for this message is that the modification of local controller attributes such as `NullDetector` or `MonitorOnly` are allowed only during global modification.

Corrective action:

Make a non-local modification, or modify different attributes.

(BM, 90) Dynamic modification failed: The length of object name `<object>` is `length`. This is greater than the maximum allowable length name of `maxlength`.

Content:

The length of object name is greater than the maximum allowable length.

Corrective action:

Ensure that the length of the object name is smaller than maxlength.

(BM, 92) Dynamic modification failed: a non-empty value <value> is set to <ApplicationSequence> attribute of a non-scalable controller <controller>.

Content:

A non-scalable controller cannot have its ApplicationSequence attribute set to a non-empty value.

Corrective action:

Provide correct settings for the ApplicationSequence and Scalable attributes.

(BM, 94) Dynamic modification failed: the ApplicationSequence attribute of a scalable controller <controller> includes application name <hostname>, but this name is absent from the list of controlled applications set to the value of <resource> in the attribute <Resource>.

Content:

The ApplicationSequence attribute of a scalable controller includes an application name absent from the list of the controlled applications.

Corrective action:

Provide correct settings for ApplicationSequence and Resource attributes of the controller.

(BM, 96) Dynamic modification failed: a scalable controller <controller> has its attributes <Follow> set to 1 or <IndependentSwitch> set to 0.

Content:

A scalable controller must have its attribute Follow set to 0 and *IndependentSwitch* set to 1.

Corrective action:

Provide correct settings for the Follow, IndependentSwitch, and Scalable attributes.

(BM, 97) Dynamic modification failed: controller <controller> attribute <ApplicationSequence> is set to <applicationsequence> which refers to application(s) not present in the configuration.

Content:

A scalable controller must list only existing applications in its ApplicationSequence attribute.

Corrective action:

Provide correct settings for attribute ApplicationSequence.

(BM, 98) Dynamic modification failed: two scalable controllers <controller1> and <controller2> control the same application <application>.

Content:

Only one scalable controller can control an application.

Corrective action:

Correct the RMS configuration.

(BM, 99) Dynamic modification failed: controlled application <controlledapp> runs on host <hostname>, but it is controlled by a scalable controller <scontroller> which belongs to an application <controllingapp> that does not run on that host.

Content:

Hostname mismatch between controlled and controlling applications. Controlling application must run on all the hosts where the controlled applications are running.

Corrective action:

Fix RMS configuration.

(BM, 101) Dynamic modification failed: controlled application <controlledapp> runs on host <hostname>, but it is controlled by a scalable controller <scontroller> which belongs to a controlling application <controllingapp> that does not allow for the controller to run on that host.

Content:

Hostname mismatch between controlled and controlling applications. Controlling application must run on all the hosts where the controlled applications are running.

Corrective action:

Fix RMS configuration.

(BM, 103) Dynamic modification failed: Controller <controller> has its attribute Follow set to 1 and the controlled application <application> has StandbyCapable resources. Therefore the controller itself must have StandbyCapable set to 1 and IgnoreStandbyRequest must be set to 0.

Content:

When the controller's Follow attribute is set and the controlled application has StandbyCapable resources, the controller must have StandbyCapable set and IgnoreStandbyRequest must be disabled. Otherwise Standby requests will not properly be propagated to the controlled application.

Corrective action:

Supply a valid combination of attributes for the controller and its controlled user application.

(BM, 105) Dynamic modification failed: Invalid kind of generic resource specified in DetectorStartScript <script> for object <object>.

Content:

Wrong value is supplied for a flag -k in the detector startup script.

Corrective action:

Fix RMS configuration.

(BM, 106) The rKind attribute of object <object> does not match the value of the '-k' flag of its associated detector.

Content:

Values for rKind attribute and flag -k of the detector startup line do not match.

Corrective action:

Correct the RMS configuration.

(BM, 107) Illegal different values for rKind attribute in object <object>.

Content:

Different values for rKind attribute are encountered within the same object.

Corrective action:

Fix RMS configuration.

(BM, 108) Dynamic modification failed: Scalable controller <object> cannot have its attribute <SplitRequest> set to 1.

Content:

Setting controller attributes Scalable and SplitRequest is mutually exclusive.

Corrective action:

Fix RMS configuration.

(BM, 109) Dynamic modification failed: Application <application> has its attribute PartialCluster set to 1 or is controlled, directly or indirectly, via a Follow controller that belongs to another application that has its attribute PartialCluster set to 1 -- this application <application> cannot have a cluster exclusive resource <resource>.

Content:

An exclusive resource cannot belong to an application with the attribute PartialCluster set to 1, or cannot be controlled, directly or indirectly, by a Follow controller from an application with the attribute PartialCluster set to 1.

Corrective action:

Fix RMS configuration.

(BM, 110) Dynamic modification failed: Application <application> is controlled by a scalable controller <controller>, therefore it cannot have its attribute <ControlledShutdown> set to 1 while its attribute <AutoSwitchOver> includes option <ShutDown>.

Content:

An application controlled by a scalable controller cannot have ControlledShutdown set to 1 and AutoSwitchOver including the option *ShutDown* at the same time.

Corrective action:

Correct the RMS configuration file.

(BM, 111) Dynamic modification failed: Line #line is too big.

Content:

A line in a configuration file is too big.

Corrective action:

Fix RMS configuration, so that each line takes less than 2000 bytes.

(BM, 113) Base monitor has reported 'Faulted' for host <Sysnode>.

Content:

This message indicates that the RMS on the node *Sysnode* has terminated unexpectedly.

Corrective action:

Investigate why RMS has terminated unexpectedly and then take necessary actions. If RMS terminated unexpectedly, since the node which was terminated unexpectedly needs to be forcibly stopped, the message (US, 12) will be output.

This message may be output when RMS is activated when the SysNode <*Sysnode*> is stopped. In this case, no action is required.

(BM, 122) getaddrinfo failed, reason: *errorreason*, errno <*errno*>. Failed to allocate a socket for "rmssh**" port monitoring.**

Content:

The getaddrinfo call failed to allocate a port for rms**sh**.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.3.5 CML: Command line

(CML, 11) Option (*option*) requires an operand.

Content:

Certain options for hvcm require an argument. If hvcm has been invoked without the argument, this message appears along with the usage and RMS exits with exit code 3.

Corrective action:

Refer to "PRIMECLUSTER Installation and Administration Guide" for the correct usage of hvcm.

(CML, 12) Unrecognized option *option*.

Content:

The option provided is not a valid one.

Corrective action:

Refer to "PRIMECLUSTER Installation and Administration Guide" for the correct usage of hvcm.

(CML, 17) Incorrect range argument with -l option.

Content:

The number for the -l option is not correct. Check the range.

Corrective action:

Check the man page for hvcm for range argument with -l option.

Refer to "PRIMECLUSTER Installation and Administration Guide" for the correct usage of hvcm.

(CML, 18) Log level *<loglevel>* is too large. The valid range is 1..*maxloglevel* with the -l option.

Content:

If the loglevel *loglevel* specified with -l option for hvcm or hvutil is greater than the maximum possible loglevel *maxloglevel*, this message is printed.

Corrective action:

Specify a loglevel between 1 and *maxloglevel* for 'hvcm -l' or 'hvutil -l'.

(CML, 19) Invalid range *<low - high>*. Within the '-l' option, the end range value must be larger than the first one.

Content:

When a range of loglevels has been specified with -l option for hvcm or hvutil, if the value of the end range *high* is smaller than the value of *low*, this message appears.

Corrective action:

Specify the end range value to be higher than the initial end range value.

(CML, 20) Log level must be numeric.

Content:

This message is output under any one of the following conditions:

- The log level specified with -l option of hvutil is neither a numeric value, nor "off", nor "display".
- The log level specified with -l option of hvcm is neither a numeric value nor "off".

Corrective action:

Refer to the manual page for the correct use of hvutil/hvcm command.

(CML, 21) 0 is an invalid range value. 0 implies all values. If a range is desired, the valid range is 1..maxloglevel with the -l option.

Content:

If the log level specified with the -l option of hvcm or hvutil is outside the valid range, this message is printed.

Corrective action:

The valid range for the -l option of hvcm or hvutil is 1..maxloglevel.

6.1.3.6 CRT: Contracts and contract jobs

(CRT, 1) FindNextHost: local host not found in priority list of nodename.

Content:

The RMS base monitor maintains a priority list of all the hosts in the cluster. Under normal circumstances, the local host should always be present in the list. If this is not the case, this message is printed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CRT, 2) cannot obtain the NET_SEND_Q queue.

Content:

RMS uses internal queues for sending contracts. (Contracts are messages that are transmitted between the hosts in a cluster that ensure the hosts are synchronized with respect to a particular operation. The messages may be transmitted between processes on the same host or processes on different hosts.) If there is a problem with the queue NET_SEND_Q that is being used to transmit these contracts, this message is printed in the switchlog.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CRT, 3) Message send failed.

Content:

When RMS tries to send a message to another host in the cluster, if the delivery of this message over the queue NET_SEND_Q has failed, this message is printed. This could be due to the fact that the host that is to receive the message has gone down or there is a problem with the cluster interconnect.

Corrective action:

Check to make sure that the other hosts in the cluster are all alive and make sure that none of them are experiencing any network problems.

(CRT, 4) object: type Contract retransmit failed: Message Id = messageid see bmlog for contract details.

Content:

When RMS on one host sends a contract over the queue NET_SEND_Q to another host (or itself, if there is only one host in the cluster), it tries to transmit this contract a certain number of times that is determined internally. If the message transmission fails after all attempts, this message is printed to the switchlog and the contract is discarded. (Note: UAP contracts are not discarded.)

Corrective action:

Make sure that there is no problem with the cluster interconnect and integrity of the cluster. (In other words, cluster applications are not Online on multiple nodes or the SysNode is not in Wait state.)

If there is a problem on results were confirmed, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CRT, 5) The contract <ctrname> is being dropped because the local host <crthost> has found the host originator <otherhost> in state <state>. That host is expected to be in state Online. Please check the interhost communication channels and make sure that these hosts see each other Online.

Content:

The local host *crthost* sees the contract host originator in state *state* when it is expected to be in state Online.

Corrective action:

Make sure that the interhost communication channels are working correctly and that the hosts see each other online.

6.1.3.7 CTL: Controllers

(CTL, 1) Controller <controller> will not operate properly since its controlled resource <resource> is not in the configuration.

Content:

This message appears when a resource is not in the RMS configuration file that is controlled by a controller and the controller's NullDetector attribute is set to off.

Corrective action:

The controlled resource must be present in the RMS configuration file for the controller to work properly.

Configure the resource properly.

(CTL, 2) Controller <controller> detected more than one controlled application Online. This has lead to the controller fault. Therefore, all the online controlled application will now be switched offline.

Content:

If the controller *controller* has two or more of the controlled applications Online on one or more hosts, then the controller faults.

Corrective action:

Make sure that more than one controlled application for a controller is not Online.

6.1.3.8 CUP: userApplication contracts

**(CUP, 2) object: cluster is in inconsistent condition
current online host conflict,
received: host, local: onlinenode.**

Content:

The cluster hosts were unable to determine which host is responsible for a particular userApplication. The most likely reason for this is an erroneous system administrator intervention (e.g., a forced hvswitch request) that left the userApplication Online on more than one host simultaneously.

Corrective action:

Analyze the cluster inconsistency and perform the appropriate action to resolve it. If the application is online on more than one hosts, shut down ('hvutil -f') the userApplication on all but one host.

(CUP, 3) object is already waiting for an event cannot set timer!

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CUP, 5) object received unknown contract.

Content:

The contract received by the node from the application is not recognizable. This is a critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CUP, 7) userApplication is locally online, but is also online on another host.

Content:

The *userapplication* is already online on other host and is also online in current host.

Corrective action:

The userApplication can only be online on one host. Make sure the application is offline on all but one of the hosts. If this is not the case use 'hvutil -f' to bring the userApplication to the offline state on the superfluous hosts.

(CUP, 8) object: could not get an agreement about the current online host; cluster may be in an inconsistent condition!

Content:

The cluster hosts were unable to determine which host is responsible for a particular userApplication. The most likely reason for this is an erroneous system administrator intervention (e.g., a forced hvswitch request) that left the userApplication Online on more than one host simultaneously.

Note: This message corresponds to (CUP, 2). While (CUP, 8) is printed on the contract originator, (CUP, 2) is printed on the non-originator hosts.

Corrective action:

Analyze the cluster inconsistency and perform the appropriate action to resolve it. If the application is online on more than one hosts, shut down ('hvutil -f') the userApplication all hosts, except one.

6.1.3.9 DET: Detectors

(DET, 1) FAULT REASON: Resource <resource> transitioned to a Faulted state due to a child fault.

Content:

This message appears when the child faulted unexpectedly thereby causing the resource to fault.

Corrective action:

Check to see why the child resource has faulted and based on this take corrective action.

(DET, 2) FAULT REASON: Resource <resource> transitioned to a Faulted state due to a detector report.

Content:

A detector unexpectedly reported the Faulted state.

Corrective action:

Check to see why the resource has faulted and take appropriate action.

(DET, 3) FAULT REASON: Resource <resource> transitioned to a Faulted state due to a script failure.

Content:

This message appears when the detector failed to execute the script for a resource.

Corrective action:

Ensure that there is nothing wrong with the script and also check the resource for any problems.

(DET, 4) FAULT REASON: Resource <resource> transitioned to a Faulted state due to a FaultScript failure. This is a double fault.

Content:

As a failure occurred to a resource, although FaultScript was executed, execution of FaultScript for the resource shown in *resource* failed.

Corrective action:

Check the problem cause against the resource that triggered execution of FaultScript. Also, check influence to the system caused by fail of FaultScript execution against the resource shown in resource that failed execution of FaultScript. If the problem cause and influence to the system arising from failure in FaultScript execution are unknown, collect the investigation information and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 5) FAULT REASON: Resource <resource> transitioned to a Faulted state due to the resource failing to come Offline after running its OfflineScript (*offlineScript*).

Content:

After a resource executes its Offline script, it is expected to come Offline. If it does not change its state, or transitions to a state other than Offline within the period of seconds specified by its ScriptTimeout attribute, the resource is considered as being Faulted.

Corrective action:

Make sure the Offline script moves the resource into Offline state.

(DET, 6) FAULT REASON: Resource <resource> transitioned to a Faulted state due to the resource failing to come Online after running its OnlineScript (*onlinescript*).

Content:

After a resource executes its online script, it is expected to come Online. If it does not change its state, or transitions to a state other than Online within the period of seconds specified by its ScriptTimeout attribute, the resource is considered as being Faulted.

Corrective action:

Make sure the Online script moves the resource into Online state.

(DET, 7) FAULT REASON: Resource <resource> transitioned to a Faulted state due to the resource unexpectedly becoming Offline.

Content:

This message appears when the resource becomes Offline unexpectedly. When detector stops response to BM, it is judged that the resource becomes faulty.

Corrective action:

Check the cause why the resource suddenly transitioned to the Offline state. If the cause cannot be identified, collect the investigation information and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 11) DETECTOR STARTUP FAILED: Corrupted command line <commandline>.

Content:

This message occurs when the command line is empty or has some incorrect value.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 12) DETECTOR STARTUP FAILED <detector>.REASON: *errorreason*.

Content:

If the detector *detector* could not be started due to *errorreason*, this message is printed. The reason *errorreason* could be any one of the following:

- The detector *detector* does not exist.
- The detector *detector* does not have execute permission.
- The process for the detector could not be spawned.
- If the number of processes created by the base monitor at the same time is greater than 128.

Corrective action:

Depending on what the reason for the error is take appropriate action.

(DET, 13) Failed to execute script <script>.

Content:

The detector script is not good or the format is not good.

Corrective action:

Check the detector startup script.

(DET, 24) FAULT REASON: Resource <resource> transitioned to a Faulted state due to the resource failing to come Standby after running its OnlineScript (*onlinescript*).

Content:

After a resource executes its online script during standby request, it is expected to come Standby. If it does not change its state, or transitions to a state other than Standby or Online within the period of seconds specified by its ScriptTimeout attribute, the resource is considered as being Faulted.

Corrective action:

Make sure the Online script moves the resource into Standby or Online state during standby request.

(DET, 26) FAULT REASON: Resource <resource> transitioned to a Faulted state due to the resource failing to come Online.

Content:

This message appears when the resource fails to come Online after executing its Online scripts that may transition the state of the resource to faulted.

Corrective action:

Check to see what prevented the resource *resource* from coming Online.

(DET, 28) <object>: CalculateState() was invoked for a non-local object! This must never happen. Check for possible configuration errors!

Content:

During the processing of a request within the state engine, a "request or response token" was delivered to an object that is not defined for the local host. This is a critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 33) DETECTOR STARTUP FAILED: Restart count exceeded.

Content:

When a detector dies, restart has attempted exceeding the predetermined value in vain. The detector is considered faulty.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 34) No heartbeat has been received from the detector with pid <pid>, <startupcommand>, during the last <seconds> seconds. The base monitor will send the process a SIGALRM to interrupt the detector if it is currently stalled waiting for the alarm.

Content:

In order to avoid stalling of RMS detectors, each detector periodically sends a heartbeat message to the base monitor. When the heartbeat is missing for a period of time, the base monitor prints this message into switchlog. The base monitor will send an alarm signal to the stalled process to ensure the detector will properly handle its main loop responsibilities. If the amount of time stated since the last time the base monitor had received the heartbeat from the detector exceeds 300 seconds, then the message may indicate the base monitor is not allowed to run. Currently, the base monitor is a real-time process, but not locked in memory. This message may also occur because the bm process has been swapped out and has not had a chance to run again.

Corrective action:

Make sure that the base monitor and detector are active using system tools such as `truss(1)` or `strace(1)`. If the loss of heartbeat greatly exceeds the 300 second timeout, then this may require that system swap or main memory is insufficient.

6.1.3.10 GEN: Generic detector

(GEN, 1) Usage: *command* -t time_interval -k kind [-d]

Content:

command has been invoked in a way that does not conform to its expected usage.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(GEN, 3) Cannot open *command* log file.

Content:

The file *command* log used for logging could not be opened.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(GEN, 4) failed to create mutex: *directory*

Content:

The various RMS commands like `hvdisp`, `hvswitch`, `hvutil` and `hvdump` utilize the lock files from the directory *directory* for signal handling purposes. These files are deleted after these commands are completed. The locks directory is also cleaned when RMS starts up. If they are not cleaned for some reason, this message is printed, and RMS exits with exit code 99.

Corrective action:

Make sure that the locks directory *directory* exists. If so, delete it.

(GEN, 5) *command*: failed to get information about RMS base monitor *bm!*

Content:

The generic detector *command* was unable to get any information about the base monitor.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(GEN, 7) *command*: failed to lock virtual memory pages, *errno* = *value*, *reason*: *reason*.

Content:

The generic detector *command* was not able to lock its virtual memory pages in physical memory.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.3.11 INI: init script

(INI, 1) Cannot open file *dumpfile*, *errno* = *errno*: *explanation*.

Content:

This message appears when the file *dumpfile* failed to open because of the error code *errno*, explained in *explanation*.

Corrective action:

Correct the problem according to *explanation*.

(INI, 9) Cannot close file *dumpfile*, *errno* = *errno*: *explanation*.

Content:

This message appears when the file *dumpfile* failed to close because of the error code *errno*, explained in *explanation*.

Corrective action:

Correct the problem according to *explanation*.

6.1.3.12 MIS: Miscellaneous

(MIS, 1) No space for object.

Content:

An internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.3.13 QUE: Message queues

(QUE, 13) RCP fail: *filename* is being copied.

Content:

This message is printed if an attempt was made to copy the file *filename* when there was another copy in progress.

Corrective action:

Make sure that concurrent copies of the same file do not occur.

(QUE, 14) RCP fail: *fwrite* errno *errno*.

Content:

There was a problem while transferring files from one cluster host to the other.

Corrective action:

Take action based on the *errno*.

6.1.3.14 SCR: Scripts

(SCR, 8) Invalid script termination for controller *<controller>*.

Content:

The controller script is not correct or invalid.

Corrective action:

Check the controller script.

(SCR, 9) REASON: failed to execute script *<script>* with resource *<resource>*: *errorreason*.

Content:

- When the PreCheckScript is set in the script *<script>*, multiple cluster applications with exclusive relationship might have been activated on the same node.
- The created script may have an error.

Corrective action:

- When the script is PreOnlineScript and the SControllerOf_ScalableCtr_* is output in the resource *<resource>*, the cluster application in Standby state, which is controlled by the scalable application, cannot be activated.
If this message is output when some nodes that configure a cluster are activated, start the cluster application in Standby state, or start RMS on all the nodes.
If this message is output when RMS is about to be stopped right after RMS is activated on all the nodes, No action is required when RMS is stopped.
- When exclusive relationship is configured among multiple cluster applications, and the job priorities are the same, or the higher priority cluster application is in operation, the startup of another cluster application with the exclusive relationship is stopped and this message is printed. No action is required when exclusive relationship is configured among multiple cluster applications.
- Check the error reason *errorreason*. Review the created script.

When the above actions do not solve this error, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(SCR, 20) The attempt to shut down the cluster host *host* has failed: *errorreason*.

Content:

The cluster host could not be killed because of one of the following reasons:

1. Script exited with a non-zero status.
2. Script exited due to signal caught.
3. Other unknown failure.

Corrective action:

Verify the status of the node, make any necessary corrections to the script, potentially correct the node state manually if possible and issue appropriate 'hvutil -{o, u}' as needed.

(SCR, 21) Failed to execute the script *<script>*, errno = *<errno>*, error reason: *<errorreason>*.

Content:

If the *script* cannot be executed, this message is printed along with the *errorreason*.

Corrective action:

Take action based on the *errorreason*.

(SCR, 26) The sdttool notification script has failed with status *status* after dynamic modification.

Content:

After dynamic modification, the Shutdown Facility is notified via sdttool about the changes in the current configuration. If sdttool exits abnormally, then the base monitor must exit.

Corrective action:

Verify that sdttool and the Shutdown Facility are operating properly.

Red Hat Enterprise Linux 5 (for Intel64)

No action is required in the xen kernel environment.

6.1.3.15 SWT: Switch requests (hvswitch command)

(SWT, 4) *object* is online locally, but is also online on *onlinenode*.

Content:

The object *<object>* is online both on the local node and *onlinenode*. When the object *<object>* manages shared disks, data corruption may occur.

Corrective action:

Make sure that the object *object* is online on only one host in the cluster.

(SWT, 20) Could not remove host *<hostname>* from local priority list.

Content:

A host has left the cluster, but RMS was unable to remove the corresponding entry from its internal Priority List. This is an internal problem in the program stack and memory management.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(SWT, 25) *objectname*: outstanding switch request of dead host was denied; cluster may be in an inconsistent condition!

Content:

A host died during the processing of a switch request. The host that takes over the responsibility for that particular userApplication tried to proceed with the partly-done switch request, but another host does not agree. This indicates a severe cluster inconsistency and critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(SWT, 26) object: dead host <hostname> was holding an unknown lock. Lock will be skipped!

Content:

This message appears when the dead host *hostname* was holding a lock that is unknown to the new responsible host.

Corrective action:

Allow time for the cluster to cleanup.

(SWT, 45) hvshut aborted because of a busy uap <userapplication>.

Content:

The hvshut request was aborted because the application is busy.

Corrective action:

Do not shut down RMS when its applications are busy. Make sure the application finishes its processing before shutting down RMS.

(SWT, 46) hvshut aborted because modification is in progress.

Content:

The hvshut request was aborted because dynamic modification is in progress.

Corrective action:

Do not shut down RMS while dynamic modification is in progress. Wait until dynamic modification finishes before shutting down RMS.

(SWT, 84) The userApplication *application* is in an Inconsistent state on multiple hosts. hvswitch cannot be processed until this situation is resolved by bringing the userApplication Offline on all hosts - use hvutil -f *application* to achieve this.

Content:

The userApplication *application* is in an Inconsistent state on more than one host in the cluster, as such switch request was denied.

Corrective action:

Clear the Inconsistent state.

6.1.3.16 SYS: SysNode objects

(SYS, 1) Error on SysNode: object. It failed to send the kill success message to the cluster host: *host*.

Content:

When a cluster host is killed, the host requested the kill must send a success message to the surviving hosts. This message appears in the switchlog when this message send fails.

Corrective action:

Make sure the cluster and network conditions are such that the message can be sent across the network.

(SYS, 8) RMS failed to shut down the host *host* via a Shutdown Facility, no further kill functionality is available. The cluster is now hung. An operator intervention is required.

Content:

This message appears when the RMS was sending a kill request to the Shutdown Facility and did not get the elimination acknowledgement.

Corrective action:

If CF is in LEFTCLUSTER state, clear the LEFTCLUSTER state. See "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide" for LEFTCLUSTER state.

If CF state is not LEFTCLUSTER, check the status of SysNode.

If SysNode is in Wait state, clear the Wait state. See "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide" for how to clear the Wait state.

(SYS, 13) Since this host <hostname> has been online for no more than *time* seconds, and due to the previous error, it will shut down now.

Content:

This message appears when the checksum of this host is different from the hosts in the cluster (one of the possible reasons).

Corrective action:

Check the configuration in all the cluster hosts and verify that same configuration is running on all of them.

(SYS, 14) Neither automatic nor manual switchover will be possible on this host until <detector> detector will report offline or faulted.

Content:

When different configurations are encountered in a cluster where one host is offline and the other is online.

Corrective action:

Run the same configuration in a single cluster or different clusters do not have common hosts.

(SYS, 15) The uname() system call returned with Error. RMS will be unable to verify the compliance of the RMS naming convention!

Content:

This message appears when uname() system call returned with a non-zero value.

Corrective action:

Make sure that the SysNode name is valid and restart RMS as needed.

(SYS, 17) The RMS internal SysNode name "*sysnode*" is ambiguous with the name "*name*". Please adjust names compliant with the RMS naming convention "SysNode = `uname -n`RMS"

Content:

The RMS naming convention '*_sysnodename_* = `uname -n`RMS' is intended to allow use of the CF-name with and without trailing "RMS" whenever an RMS command expects a SysNode reference. This rule creates an ambiguity if one SysNode is named "xxxRMS" and another is named "xxx", because '*_rms_command_ xxx*' could refer to either SysNode. Therefore, ambiguous SysNode names are not be allowed.

Corrective action:

Use non-ambiguous SysNode names and adhere to the RMS naming conventions.

(SYS, 48) Remote host <hostname> replied the checksum <remotechecksum> which is different from the local checksum <localchecksum>. The sysnode of this host will not be brought online.

Content:

This message appears when the remote host *hostname* is running different configuration than the local host or different loads of RMS package are installed on these hosts.

Corrective action:

Make sure all the hosts are running the same configuration and the configuration is distributed on all hosts. Make sure that same RMS package is installed on all hosts (same load).

(SYS, 49) Since this host <hostname> has been online for more than *time* seconds, and due to the previous error, it will remain online, but neither automatic nor manual switchover will be possible on this host until <detector> detector will report offline or faulted.

Content:

This message appears when the checksum of this host is different from the hosts in the cluster (one of the possible reasons).

Corrective action:

Check the configuration in all the cluster hosts and verify that same configuration is running on all of them.

(SYS, 50) Since this host <hostname> has been online for no more than *time* seconds, and due to the previous error, it will shut down now.

Content:

This message appears when the checksum of this host is different from the hosts in the cluster (one of the possible reasons).

Corrective action:

Check the configuration in all the cluster hosts and verify that same configuration is running on all of them.

(SYS, 84) Request <hvshut -a> timed out. RMS will now terminate! Note: some cluster hosts may still be online!

Content:

The hvshut -a command has timed out. RMS may end abnormally on some nodes and some resources that are included in the cluster applications may fail to end.

Corrective action:

Shut down the OSES on all the nodes except the nodes on which RMS has ended normally or shut down the nodes forcibly. To prevent the timeout of the hvshut command, depending on your environment, change RELIANT_SHUT_MIN_WAIT, which is the global environment variable of RMS, to a larger value.

 See

.....
For details on RELIANT_SHUT_MIN_WAIT, see "RELIANT_SHUT_MIN_WAIT" in "Global environment variables" of the following manual below:

- For PRIMECLUSTER 4.3A30 or later: "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide."

See "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide" for how to refer to and change the RMS environment variables.
.....

(SYS, 90) hostname internal WaitList addition failure! Cannot set timer for delayed detector report action!

Content:

System Error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(SYS, 93) The cluster host *nodename* is not in the Wait state. The hvutil command request failed!

Content:

This message appears when the user issues the hvutil command ('hvutil -o' or 'hvutil -u') and the cluster host *nodename* is not in the Wait state.

Corrective action:

Reissue hvutil -{o, u} only when the host is in a Wait state or configure so that this command is not issued.

(SYS, 94) The last detector report for the cluster host *hostname* is not online. The hvutil command request failed!

Content:

This message appears when the user issues the hvutil command ('hvutil -o sysnode') to clear the Wait state of the SysNode and the SysNode is still in Wait state because the last detector report for the cluster host *hostname* is not Online i.e. the SysNode might have transitioned to Wait state not from Online but from some other state.

Corrective action:

Issue 'hvutil -o' only when the host transits from the online state to Wait state.

(SYS, 97) Cannot access the NET_SEND_Q queue.

Content:

When a new host comes Online, the other hosts in the cluster try to determine if the new host has been started with -C option. The host that has just come online uses the queue NET_SEND_Q to send the necessary information to the other hosts in the cluster. If this host is unable to access the queue NET_SEND_Q this message is printed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(SYS, 98) Message send failed in SendJoinOk.

Content:

When a new host comes Online, the other hosts in the cluster try to determine if the new host has been started with -C option. The host that has just come online uses the queue NET_SEND_Q to send the necessary information to the other hosts in the cluster. If this host is unable to send the necessary information to the other hosts in the cluster, this message is printed.

Corrective action:

Check if there is a problem with the network.

(SYS, 100) The value of the attribute *<attr>* specified for SysNode *<sysnode>* is *<invalidvalue>* which is invalid. Ensure that the entry for *<attr>* is resolvable to a valid address.

Content:

The value of *attr* is not resolvable to a valid network address.

Corrective action:

Ensure that a valid interface is specified for *attr*.

(SYS, 101): Unable to start RMS on the remote SysNode *<SysNode>* using cfsh, rsh or ssh.

Content:

RMS on the local node could not start RMS on the remote node <SysNode> by using either cfsh, rsh, and ssh.

Corrective action:

Make cfsh available. rsh and ssh are not supported.

This message may be output when the hvcm -a command is executed on multiple nodes. In this case, execute the hvcm -a command on any one node that configures a cluster.

6.1.3.17 UAP: userApplication objects

(UAP, 1) Request to go online will not be granted for application <userapplication> since the host <sysnode> runs a different RMS configuration.

Content:

This message appears when the request is done for an application *userapplication* to go Online but the host *sysnode* is running a different configuration.

Corrective action:

Make sure that the user is running the same configuration.

(UAP, 5) object: cmp_Prio: list.

Content:

This message is printed when invalid entries exist in the priority list *list*.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 6) Could not add new entry to priority list.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 7) Could not remove entries from priority list.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 8) object: cpy_Prio failed, source list corrupted.

Content:

This message appears when either the PriorityList is empty or the list is corrupted. A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 9) object: Update of PriorityList failed, cluster may be in inconsistent condition.

Content:

If a contract that is supposed to be present in the internal list does not exist, this message is printed. The cluster may be in an inconsistent condition.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 15) sysnode: PrepareStandAloneContract() processing unknown contract.

Content:

This message appears when there is only one application *sysnode* Online and has to process a contract that is not supported. A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 16) object::SendUAppLockContract: local host doesn't hold a lock -- Contract processing denied.

Content:

This message appears when the contract is processed by the local host, which does not have the lock for that application contract. A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 19) object::SendUAppLockContract: LOCK Contract cannot be sent.

Content:

This message appears when the LOCK contract cannot be sent over the network.

Corrective action:

The network may be down. Check the network for abnormalities.

(UAP, 21) object::SendUAppUnLockContract: UNLOCK Contract cannot be sent.

Content:

This message appears when the UNLOCK contract cannot be sent over the network.

Corrective action:

The network may be down. Check the network for abnormalities.

(UAP, 22) object unlock processing failed, cluster may be in an inconsistent condition!

Content:

This message appears when the local node receives a UNLOCK contract but is unable to perform the follow up processing that was committed in the contract.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 23) object failed to process UNLOCK contract.**Content:**

A host was unable to propagate the received UNLOCK contract, e.g., because of networking problems or memory problems.

Corrective action:

This message should appear with an additional ERROR message specifying the origin of the problem.

Refer to the ERROR message.

(UAP, 24) Deleting of local contractUAP object failed, cannot find object.**Content:**

This message appears when the local contract node has completed the contract and has sent it to the local node but the local node could not able to find it.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 27) object received a DEACT contract in state: state.**Content:**

The correspondent userApplication on a remote host is in the DeAct state, but the local userApplication is not. This is an error that should not occur.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 28) object failed to update the priority list. Cluster may be in an inconsistent state.**Content:**

When the local host receives a contract for unlocking the hosts in the cluster with respect to a particular operation, if the local host finds that a particular host has died, it updates its priority list to reflect this, but if it is unable to perform this operation due to some reason, this message is printed. This indicates a critical internal problem in memory management. This is a critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 29) object: contract data section is corrupted.**Content:**

This message appears when the application is unable to read the data section of the contract.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 32) object received unknown contract.**Content:**

This message appears when the application unable to unlock the contract as it was unable to find the kind of contract request in its code that it expected. A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 33) *object* unknown task in list of outstanding contracts.

Content:

This message appears when an unknown task is found in list of outstanding contracts. Critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 35) *object*: inconsistency occurred. Any further switch request will be denied (except forced requests). Clear inconsistency before invoking further actions!

Content:

The state of the application is Offline or Standby and some of its resources are Online or Faulted.

Corrective action:

Clear the inconsistency by the appropriate command (usually 'hvutil - c').

(UAP, 41) cannot open file *filename*. Last Online Host for userApplication cannot be stored into non-volatile device.

Content:

File open error.

Corrective action:

Check the environmental variable RELIANT_PATH.

(UAP, 42) found incorrect entry in status file:<entry>

Content:

This message appears when the status_info file has incorrect entry in it.

This error should not occur unless the status_info file was edited manually.

Corrective action:

Check the status_info file for manually edited incorrect entries. If this is not the case, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 43) <object>: could not insert <host> into local priority list.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 44) <object>: could not remove <host> from local priority list.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 45) <object>: could not remove <host> from priority list.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(UAP, 51) Failed to execute the fcntl system call to <flags> the file descriptor flags for file <filename>: errno = <errornumber>: <errortext>.

Content:

RMS is unable to execute the fcntl() system call to <flags> the file descriptor flags of file <filename> because of error code <errornumber> as explained by <errortext>.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.3.18 US: us files

(US, 5) The cluster host <hostname> is no longer reachable! Please check the status of the host and the Ethernet connection.

Content:

The local cluster host detected that another cluster host <hostname> was no longer reachable. In other words, this cluster host sees the other host <hostname> as faulted. The other host <hostname> may have gone down, or there may some problem with the cluster interconnect.

Corrective action:

See if the host <hostname> is indeed dead. If not, see if there is a problem with the network connection.

(US, 6) RMS has died unexpectedly on the cluster host <hostname>!

Content:

When the detector on the local host detects that the host <hostname> has transitioned from online to offline unexpectedly, it attempts to kill the host <hostname>.

Corrective action:

Check the syslog on the host <hostname> to determine the reason why it went down.

(US, 31) FAULT REASON: Resource <resource> transitioned to a Faulted state due to a detector report.

Content:

This message is output when an unexpected Faulted state is notified from a detector.

Corrective action:

Investigate the cause of the resource failure and take necessary actions.

6.1.3.19 WLT: Wait lis

(WLT, 1) FAULT REASON: Resource *resource's* script (*scriptexecd*) has exceeded the ScriptTimeout of *timeout* seconds.

Content:

The detector script for the resource has exceeded the ScriptTimeout limit.

Corrective action:

Check the resource for breakdown. If so, take the necessary corrective action.

If not, change the attribute so that the value specified to resource ScriptTimeout is longer than the Online/Offline script execution time.

(WLT, 3) Cluster host *hostname's* Shutdown Facility invoked via (*script*) has not finished in the last *time* seconds. An operator intervention is required!

Content:

The Shutdown Facility that is killing host *hostname* has not terminated yet. Operator intervention may be required. This message will appear periodically (with the period equal to the node's ScriptTimeout value), until either the script terminates on its own, or until the script is terminated by the Unix kill command. If terminated by the kill command, the host being killed will not be considered killed.

Corrective action:

Wait until the script terminates, or terminate the script using kill command if the script cannot terminate on its own.

(WLT, 5) CONTROLLER FAULT: Controller *<object>* has propagated *<request>* request to its controlled application(s) *<applications>*, but the request has not been completed within the period of *<timeout>* seconds.

Content:

When controller propagates its requests to the controlled applications, it is waiting for the completion of the request for a period of time sufficient for the controlled applications to process the request. When the request is not completed within this period, controller faults.

Corrective action:

Fix the controller's scripts and/or scripts of the controlled applications, or repair resources of the controlled applications. For user defined controller scripts increase their ScriptTimeout values.

(WLT, 9) sdtool notification timed out after *<timeout>* seconds.

Content:

After dynamic modification, the Shutdown Facility is notified via sdtool about the changes in the current configuration. If this notification does not finish within the period specified by the local SysNode ScriptTimeout value, the base monitor must exit.

Corrective action:

Verify that sdtool and Shutdown Facility are properly operating. Increase the ScriptTimeout value if needed.

6.1.3.20 WRP: Wrappers

(WRP, 1) Failed to set script to TS.

Content:

The script could not be made into a time sharing process.

Corrective action:

Take the necessary action based on the cause.

(WRP, 2) Illegal flag for process wrapper creation.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 3) Failed to execv: *command*.

Content:

This message could occur in any of the following scenarios:

1. A detector cannot be started because RMS is unable to create the detector process with the command *command*.
2. 'hvcn -a' has been invoked and the RMS base monitor cannot be started on the individual hosts comprising the cluster with the command *command*.
3. A script cannot be started because RMS is unable to create the script process with the command *command*.

RMS shuts down on the node where this message appears and returns an error number *errno*, which is the error number returned by the operating system.

Corrective action:

Check if the problem cause can be identified from the error number *errno*, referring to the manual page of the system or "[Appendix B Solaris/Linux ERRNO table](#)" If the cause cannot be determined, contact field engineers.

(WRP, 4) Failed to create a process: *command*.

Content:

This message could occur in any of the following scenarios:

1. A detector cannot be started because RMS is unable to create the detector process to execute the command *command*.
2. 'hvcn -a' has been invoked and the RMS base monitor cannot be started on the individual hosts comprising the cluster with the command *command*.
3. A script cannot be started because RMS is unable to create the script process with the command *command*.

RMS shuts down on the node where this message appears and returns an error number *errno*, which is the error number returned by the operating system.

Corrective action:

Check if the problem cause can be identified from the error number *errno*, referring to the manual page of the system or "[Appendix B Solaris/Linux ERRNO table](#)" If the cause cannot be determined, contact field engineers.

(WRP, 5) No handler for this signal event <*signal*>.

Content:

There is no signal handler associated with the signal *signal*.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 6) Cannot find process (pid=*processid*) in the process wrappers.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 7) getservbyname failed for service name: servicename.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 8) gethostbyname failed for remote host: host.

Content:

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 9) Socket open failed.

Content:

This message occurs if RMS is unable to create a datagram endpoint for communication.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 12) Failed to bind port to socket.

Content:

This could occur if RMS is unable to bind the endpoint for communication.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 13) Cannot allocate memory, errno <errno> - strerrno.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 14) No available slot to create a new host instance.

Content:

When the base monitor for RMS starts up, it creates a slot in an internal data structure for every host in the cluster.

When hvdet_node is started up, RMS sends it a list of the SysNode objects that are put into different slots in the internal data structure. If the data structure has run out of slots (16) to put the SysNode name in, RMS generates this error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 15) gethostbyname(*hostname*): host name should be in /etc/hosts**Content:**

When the host name *hostname* specified as a SysNode does not have an entry in /etc/hosts, this message is printed to the switchlog.

Corrective action:

Correct the host name *hostname* to be an entry in /etc/hosts.

(WRP, 16) No available slot for host *hostname***Content:**

When a slot for a cluster interface (64) is insufficient, this message is output with the node name *hostname*.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 17) Size of integer or IP address is not 4-bytes**Content:**

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 18) Not enough memory in <*processinfo*>**Content:**

A critical internal error has occurred.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 23) The child process <*cmd*> with pid <*pid*> could not be killed due to errno <*errno*>, reason: *reason*.**Content:**

The child process *cmd* with pid *pid* could not be killed due to reason: *reason*.

Corrective action:

Take action based on the reason *reason*.

(WRP, 24) Unknown flag option set for 'killChild'.**Content:**

The killChild routine accepts one of the 2 flags: KILL_CHILD and DONTKILL_CHILD. If an option other than these two has been specified, this message is printed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 25) Child process <*cmd*> with pid <*pid*> has exceeded its timeout period. Will attempt to kill the child process.

Content:

The child process *cmd* has exceeded its timeout period.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 29) RMS on the local host has received a message from host *host*, but the local host is unable to resolve the sending host's address. This could be due to a misconfiguration. This message will be dropped. Further such messages will appear in the switchlog.

Content:

RMS on the local host has received a message from host *host* whose address is not resolvable by the local host.

Corrective action:

Make sure that the local host is able to resolve the remote host *host's* address by checking for any misconfigurations.

(WRP, 30) RMS on the local host has received a message from host *host*, but the local host is unable to resolve the sending host's address. This message will be dropped. Please check for any misconfiguration.

Content:

RMS on the local host has received a message from host *host* whose address is not resolvable by the local host.

Corrective action:

Make sure that the local host is able to resolve the remote host *host's* address by checking for any misconfigurations.

(WRP, 31) RMS has received a message from host *host* with IP address *receivedip*. The local host has calculated the IP address of that host to be *calcip*. This may be due to a misconfiguration in */etc/hosts*. Further such messages will appear in the switchlog.

Content:

The local host has received a message from host *host* with IP address *receivedip*, which is different from the locally calculated IP address for that host.

Corrective action:

Check */etc/hosts* for any misconfiguration of RMS configuration file.

(WRP, 32) RMS has received a message from host *host* with IP address *receivedip*. The local host has calculated the IP address of that host to be *calcip*. This may be due to a misconfiguration in */etc/hosts*.

Content:

The local host has received a message from host *host* with IP address *receivedip*, which is different from the locally calculated IP address for that host. This message will be printed in the switchlog for every 25 such messages that have been received as long as the number of received messages is less than 500, if not this message is printed for every 250th such message received.

Corrective action:

Check */etc/hosts* for any misconfiguration of RMS configuration file.

(WRP, 33) Error while creating a message queue with the key *<id>*, errno = *<errno>*, explanation: *<explanation>*.

Content:

An abnormal OS condition occurred while creating a message queue.

Corrective action:

Check OS conditions that affect memory allocation for message queues, such as the size of swap space, the values of parameters `msgmax`, `msgmnb`, `msgmni`, `msgtql`. Check if the maximum number of message queues have already been allocated.

(WRP, 34) Cluster host *host* is no longer in time sync with local node. Sane operation of RMS can no longer be guaranteed. Further out-of-sync messages will appear in the syslog.

Content:

The time on host is not in sync with the time on the local node.

Corrective action:

Synchronize the time of host with that of the local node.
Also, check if NTP server is connected to network and if the NTP setting is correct.

(WRP, 35) Cluster host *host* is no longer in time sync with local node. Sane operation of RMS can no longer be guaranteed.

Content:

The time on the cluster host *host* differs significantly (more than 25 seconds) from the local node.

Corrective action:

Synchronize the time.
Also, check if NTP server is connected to network and if the NTP setting is correct.

(WRP, 52) The operation *func* failed with error code *errorcode*.

Content:

The operation *func* failed with error code *errorcode*.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 60) The elm heartbeat detects that the cluster host *<hostname>* has become offline.

Content:

ELM heart beat is stopped.

Corrective action:

No action is required because nodes will be forcibly stopped by the stop of ELM heartbeat normally.

(WRP, 68) Unable to update the RMS lock file, function *<function>*, errno *<errno>* - *errorreason*.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 69) *function* failed, reason: *errorreason*, errno *<errno>*.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 71) Both IPv4 and IPv6 addresses are assigned to <SysNode> in /etc/hosts.

Content:

For *SysNode*, both IPv4 and IPv6 addresses are assigned to the host name database files (/etc/hosts, /etc/inet/ipnodes).

Corrective action:

Correct the host name database files so that either IPv4 IP address or IPv6 IP address is assigned to *SysNode*.

6.1.4 Fatal Error Messages

This chapter contains a detailed list of fatal RMS error messages output in the switchlog file.

Check displayed component names of messages and then see the table below to determine references. The component names are explained in numerical order of messages.

Component name	Reference
ADC	"6.1.4.1 ADC: Admin configuration"
ADM	"6.1.4.2 ADM: Admin, command, and detector queues"
BM	"6.1.4.3 BM: Base monitor"
CML	"6.1.4.4 CML: Command line"
CMM	"6.1.4.5 CMM: Communication"
CRT	"6.1.4.6 CRT: Contracts and contract jobs"
DET	"6.1.4.7 DET: Detectors"
INI	"6.1.4.8 INI: init script"
MIS	"6.1.4.9 MIS: Miscellaneous"
QUE	"6.1.4.10 QUE: Message queues"
SCR	"6.1.4.11 SCR: Scripts"
SYS	"6.1.4.12 SYS: SysNode objects"
UAP	"6.1.4.13 UAP: userApplication objects"
US	"6.1.4.14 US: us files"
WRP	"6.1.4.15 WRP: Wrappers"

6.1.4.1 ADC: Admin configuration

(ADC, 16) Because some of the global environment variables were not set in hvenv file, RMS cannot start up. Shutting down.

Content:

All of the global environment variables RELIANT_LOG_LIFE, RELIANT_SHUT_MIN_WAIT, HV_CHECKSUM_INTERVAL, HV_LOG_ACTION_THRESHOLD, HV_LOG_WARNING_THRESHOLD, HV_WAIT_CONFIG and HV_RCSTART have to be set in hvenv in order for RMS to function properly. If some of them have not been set, RMS exits with exit code 1.

Corrective action:

Set the values of all the environment variables in hvenv.

(ADC, 21) Because some of the local environment variables were not set in hvenv file, RMS cannot start up. Shutting down.

Content:

If some of the local environment variables have not been set in the hvenv file, RMS prints this message and exits with exit code 1.

Corrective action:

Make sure that all the local environment variables have been set to an appropriate value in the /opt/SMAW/SMAWRrms/bin/hvenv.local file.

(ADC, 69) RMS will not start up - previous errors opening file.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADC, 73) The environment variable <hvenv> has value <value> which is out of range.

Content:

The value of environment variable <hvenv> is out of range. The base monitor will exit.

Corrective action:

Use a valid value for the environment variable and restart RMS.

6.1.4.2 ADM: Admin, command, and detector queues

(ADM, 1) cannot open admin queue

Content:

RMS uses UNIX message queues for interprocess communication. The admin queue is one such queue used for communication between utilities like hvutil, hvswitch, etc. If there is a problem opening this queue, then this message is printed and RMS exits with exit code 3.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(ADM, 2) RMS will not start up - errors in configuration file

Content:

When RMS is starting up, it performs dynamic modification under the hood, if during this phase it encounters errors in its configuration file, RMS exits with exit code 23.

Corrective action:

Make sure there are no errors in the configuration file based on the error messages printed prior to the above message in the switchlog.

6.1.4.3 BM: Base monitor

(BM, 3) Usage: progname [-c config_file] [-m] [-h time] [-l level] [-n]

Content:

An attempt has been made to start RMS in a way that does not conform to its expected usage. This message is printed to the switchlog indicating the arguments, and RMS exits with exit code 3.

Corrective action:

Start RMS with the right arguments.

(BM, 49) Failure calculating configuration checksum

Content:

During dynamic reconfiguration, RMS calculates the configuration checksum by using `/usr/bin/sum`. If this fails, then this message is printed and RMS exits with the exit code 52.

Corrective action:

Check if `/usr/bin/sum` is available.

(BM, 51) The RMS-CF interface is inconsistent and will require operator intervention. The routine "routine" failed with errno *errno* - "*error_reason*"

Content:

While setting up CF, if RMS encounters a problem in the routine *routine* that can either be "dlopen" or "dlsym", it exits with exit code 95 or 94 respectively. The *error_reason* gives the reason for the error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 58) Not enough memory -- RMS cannot continue its operations and is shutting down

Content:

This is a generic message that is printed to the switchlog before RMS discontinues its functioning because it does not have enough memory for it to operate.

Corrective action:

Possible causes are:

- Insufficient memory resources
- Incorrect kernel parameter setting

Reexamine the estimation of the memory resources that are required for the entire system. For information on the amount of memory required for operation of PRIMECLUSTER, see the PRIMECLUSTER Installation Guide, which is provided with each product.

If you still have the problem, confirm that the kernel parameter settings are correct by referring to "Setup (initial configuration)" of PRIMECLUSTER Designsheets for PRIMECLUSTER 4.4 or later, or "Kernel Parameter Worksheet" of "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3 or earlier. Change the settings, as needed, and then reboot the system.

If the error still cannot be solved after the above actions, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 67) An error occurred while writing out the RMS configuration after dynamic modification. RMS is shutting down.

Content:

Upon concluding dynamic modification, RMS dumps out its current configuration into a file `/var/tmp/config.us`. If this cannot be done, RMS cannot recalculate configuration's checksum. Therefore, it shuts down.

Corrective action:

The previous message in switchlog explains why RMS has not been able to write down the configuration file. Correct the host environment according to the description, or contact field engineers.

(BM, 69) Some of the OS message queue parameters `msgmax= <msgmax>`, `msgmnb= <msgmnb>`, `msgmni=<msgmni>`, `msgtql=<msgtql>` are below lower bounds `<hvmmsgmax>`, `<hvmmsgmnb>`, `<hvmmsgmni>`, `<hvmmsgtql>`. RMS is shutting down.

Content:

One or more of the system defined message queue parameters is not sufficient for correct operation of RMS. RMS exits with exit code 28.

Corrective action:

Change the OS message queue parameters and reboot the OS before restarting RMS.

(BM, 89) The SysNode length is `length`. This is greater than the maximum allowable length of `maxlength`. RMS will now shut down.

Content:

The SysNode name length is greater than the maximum allowable length.

Corrective action:

Ensure that the length of the SysNode name is less than `maxlength`.

(BM, 116) The RMS-CF interface is inconsistent and will require operator intervention. The CF layer is not yet initialized.

Content:

RMS is started before CF has been started.

Corrective action:

Start RMS again after CF has been started.

(BM, 117) The RMS-CIP interface state on the local node cannot be determined due to error in `popen()` -- `errno = errornumber: errortext`.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(BM, 118) The RMS-CIP interface state on the local node is required to be "UP", the current state is `state`.

Content:

RMS is started before CF has been started.

Corrective action:

Start RMS again after CF has been started.

6.1.4.4 CML: Command line

**(CML, 14) ###ERROR: Unable to find or Invalid configuration file.###
#####CONFIGURATION MONITOR exits !!!!!#####**

Content:

If the configuration file specified for RMS is non-existent, RMS exits with exit code 1.

Or, resource that is not registered to userApplication may remain.

Another possibility is that cluster applications are not created.

Corrective action:

Specify a valid configuration file for RMS to function.

Or, register the corresponding resource to userApplication or delete the resource, as needed.

Alternatively, create cluster applications. For the overview of cluster applications and how to create them, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.5 CMM: Communication

(CMM, 1) Error establishing outbound network communication

Content:

If there is an error in creating outbound network communication, this message is printed, and RMS exits with exit code 12.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(CMM, 2) Error establishing inbound network communication

Content:

If there is an error in creating inbound network communication, this message is printed, and RMS exits with exit code 12.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.6 CRT: Contracts and contract jobs

(CRT, 6) Fatal system error in RMS. RMS will shut down now. Please check the bmlog for SysNode information.

Content:

A system error has occurred within RMS.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.7 DET: Detectors

(DET, 8) Failed to create DET_REP_Q

Content:

If RMS is unable to create the Unix Message queue DET_REP_Q for communication between a detector and itself, this message is printed, and RMS exits with exit code 12.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 9) Message send failed in detector request Q: *queue*

Content:

During hvlogclean, the detector request queue *queue* is used for sending information to the detector from the base monitor. If there is a problem in communication, this message is printed, and RMS exits with exit code 12.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 16) Cannot create gdet queue of kind *gkind*

Content:

Each of the generic detectors has a message queue that it uses to communicate with the base monitor. If there is a problem creating a queue for a detector of kind *kind*, this message is printed, and RMS exits with exit code 12.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(DET, 18) Error reading hvgdstartup file. Error message: *errorreason*.

Content:

If RMS is unable to create the Unix Message queue DET_REP_Q for communication between a detector and itself, this message is printed, and RMS exits with exit code 12. When RMS encounters an error while reading this file, it prints this message along with the reason *errorreason* for the failure. RMS then exits with exit code 26.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.8 INI: init script

(INI, 4) InitScript does not have execute permission.

Content:

InitScript exists, but cannot be executed.

Corrective action:

make InitScript executable.

(INI, 7) *sysnode* must be in your configuration file

Content:

If the local SysNode *sysnode* is not part of the configuration file, this message is printed and RMS exits with exit code 23.

Corrective action:

Make sure that the local SysNode *sysnode* is part of the configuration file.

(INI, 10) InitScript has not completed within the allocated time period of *timeout* seconds.

Content:

InitScript was still running when the timeout limit allocated for its execution has expired. The timeout limit is the lesser of the values defined in the environment variable SCRIPTS_TIME_OUT or 300.

Corrective action:

Increase the timeout value, or correct the conditions that lead to timeout during script execution.

(INI, 11) InitScript failed to start up, errno *errno*, reason: *reason*.

Content:

An error occurred during startup of InitScript. The errno code *errno* and reason *reason* are presented in the message.

Corrective action:

Correct the erroneous host condition for InitScript to be able to start up.

(INI, 12) InitScript returned non-zero exit code *exitcode*.

Content:

InitScript completed with a non-zero exit code *exitcode*.

Corrective action:

Correct the erroneous host condition for InitScript to be able to return a zero exit code, or fix the InitScript itself.

(INI, 13) InitScript has been stopped.

Content:

InitScript has been stopped.

Corrective action:

Correct the erroneous host condition for InitScript to run without stopping, or fix the InitScript itself.

(INI, 14) InitScript has been abnormally terminated.

Content:

InitScript has been abnormally terminated.

Corrective action:

Correct the erroneous host condition for InitScript to run without stopping, or fix the InitScript itself.

(INI, 17) Controller *controller* refers to an unknown userApplication <userapplication>

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(INI, 18) Configuration uses objects of type "controller" and of type "gcontroller". These object types are mutually exclusive!

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(INI, 19) userApplication <childapp> is simultaneously controlled by 2 gcontroller objects <controller1> and <controller2>. This will result in unresolvable conflicts!

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(INI, 20) Incorrect configuration of the gcontroller object <controller>! The attributes "Resource" and "ControllerType" are mandatory.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(INI, 21) Incorrect configuration of the gcontroller object <controller>! It has the attribute Local set, but the host list for the controlled application <childapp> does not match the host list for the controlling application <parentapp>.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.9 MIS: Miscellaneous

(MIS, 4) The locks directory *directory* cannot be cleaned of all old locks files: error at call of file: *filename*, errno = *errnonumber*, error -- *errortext*.

Content:

The various RMS commands like *hvdisp*, *hvswitch*, and *hvdump* utilize the lock files from the directory *directory* for signal handling purposes. These files are deleted after these commands are completed. The locks directory is also cleaned when RMS starts up. If they are not cleaned for some reason, this message is printed, and RMS exits with exit code 99. The *call* indicates at which stage the cleanup has failed, *errnonumber* is the OS errno value, *errortext* is the OS supplied explanation for the errno.

Corrective action:

Make sure that the locks directory *directory* exists.

(MIS, 9) The locks directory *directory* does not exist. An installation error occurred or the directory was removed after installation.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.10 QUE: Message queues

(QUE, 1) Error status in ADMIN_Q.

Content:

Different utilities use the ADMIN_Q to communicate with the base monitor. If there is an error with this queue, this message is printed and RMS exits with exit code 3.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(QUE, 2) Read message failed in ADMIN_Q.

Content:

The RMS base monitor was unable to extract a message of the ADMIN_Q that is used for communication between the utilities and RMS. This message is printed and RMS then exits with exit code 3.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(QUE, 5) Network message read failed.

Content:

If there is a problem reading a message over the network, this message is printed, and RMS exits with exit code 3.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(QUE, 6) Network problem occurred.

Content:

When a network problem occurs during message transmission, this message is printed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(QUE, 11) Read message failed in DET_REP_Q.

Content:

All the detectors use the queue DET_REP_Q to communicate with the RMS base monitor. If there is a problem in reading the message of the queue, RMS prints this message and exits with exit code 15.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(QUE, 12) Error status in DET_REP_Q: *status*.

Content:

The RMS base monitor encountered a problem with the queue DET_REP_Q that is used by the different detectors to report their state. This message is printed, and RMS then exits with exit code 15.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(QUE, 15) Error No *errornumber* : <errortext> in accessing the message queue.

Content:

There was a problem using the message queue. The error number <errornumber> and the text in <errortext> indicate the type of error. Message queues are used to communicate with the base monitor.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.11 SCR: Scripts

(SCR, 4) Failed to create a detector request queue for detector *detector_name*.

Content:

If a detector request queue could not be created for detector *detector_name*, this message is printed, and RMS exits with exit code 12. This is a critical internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(SCR, 5) REQUIRED PROCESS RESTART FAILED: Unable to restart *detector*. Shutting down RMS.

Content:

If the detector *detector* could not be restarted, this message is printed, and RMS exits with exit code 14. The restart could have failed for any of the following reasons:

- If the detector needs to be restarted more than 3 times in one minute.
- If there is a problem with memory allocation within RMS.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(SCR, 10) InitScript did not run ok. RMS is being shut down

Content:

RMS runs the InitScript initially. The value of InitScript is the value of the environment variable RELIANT_INITSCRIPT. If InitScript fails (e.g., exits with a non-zero code, gets a signal), then this message is printed and RMS shuts down with exit code 56.

Corrective action:

If the InitScript is configured, check that there are no problems with the set InitScript. If it is not configured, record this message and collect the investigation information. Then, contact field engineers. For details on how to collect the information, refer to "PRIMECLUSTER Installation and Administration Guide."

(SCR, 12) incorrect initialization of RealDetReport; Shutting down RMS.

Content:

Since the scripts are executed based on the reports of the detectors, if the detector reports a state other than Online, Offline, Faulted, Standby or NoReport, this message is printed, and RMS exits with exit code 8.

Corrective action:

Make sure that the detector only reports states Online, Offline, Faulted, Standby or NoRepo

(SCR, 13) ExecScript: Failed to exec script *<script>* for object *<objectname>*: errno *errno*

Content:

RMS has been unable to execute a script *<script>* for the object *<objectname>*. The error number *<errornumber>* returned by the operating system provides a diagnosis of the failure. RMS exits with exit code 8.

Corrective action:

Consult the "[Appendix B Solaris/Linux ERRNO table](#)" of this manual for the explanation for error number *<errornumber>* and see if the cause is evident. If not, contact field engineers.

6.1.4.12 SYS: SysNode objects

(SYS, 33) The RMS cluster host *<hostname>* does not have a valid entry in the */etc/hosts* file. The lookup function *gethostbyname* failed. Please change the name of the host to a valid */etc/hosts* entry and then restart RMS.

Content:

If the lookup function *gethostbyname* searches the file */etc/hosts* to get information about the host *hostname*, but is unable to find a valid entry for it, this message is printed and RMS exits with exit code 114.

Corrective action:

Make sure that the host name *hostname* has a valid entry in */etc/hosts* and restart RMS.

(SYS, 52) SysNode *sysnode*: error creating necessary message queue *NODE_REQ_Q...exiting*.

Content:

When RMS encounters a problem in creating the *NODE_REQ_Q*, this message is printed, and RMS exits with exit code 12.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.13 UAP: userApplication objects

(UAP, 36) *object*: double fault occurred, but Halt attribute is set. RMS will exit immediately in order to allow a failover!

Content:

When the *HaltFlag* attribute is set for an object and a double fault occurs, then RMS will exit with exit code 96 on that node.

Corrective action:

Determine the cause of failure occurred to the resource and take the necessary action.

6.1.4.14 US: us files

(US, 1) RMS will not start up - fatal errors in configuration file.

Content:

Errors were found in the RMS configuration file that prevented RMS startup. This is usually caused by manual edition and distribution of the RMS configuration file.

Corrective action:

Correct errors of the RMS configuration file.

(US, 42) A State transition error occurred. See the next message for details.

Content:

A state transition error occurred during the course of RMS state transitions. Details of the error are printed in the subsequent lines.

Corrective action:

Take the necessary action according to the error content. If action to be taken is unclear, collect the investigation information. Then, contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.1.4.15 WRP: Wrappers

(WRP, 40) The length of the type name specified for the host *host* is *<length>* which is greater than the maximum allowable length *<maxlength>*. RMS will exit now.

Content:

The length of the interconnect name is greater than the maximum value.

Corrective action:

Make sure that the interconnect name is less than the maximum value of *maxlength*.
Change the interconnect name to a shorter one and then reconfigure the cluster system.

(WRP, 44) Not enough slots left in the wrapper data structure to create new entries.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 45) The SysNode to the CIP name mapping for *<sysnode>* has failed.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 46) The RMS-CF interface is inconsistent and will require operator intervention. The routine "*routine*" failed with error code *errorcode* - "*errorreason*".

Content:

This is a generic message indicating that the execution of the routine *<routine>* failed due to the reason *<errorreason>* and hence the RMS-CF interface is inconsistent.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 47) The RMS-CF-CIP mapping cannot be determined for any host as the CIP configuration file *<configfilename>* cannot be opened. Please verify that all the entries in *<configfilename>* are correct and that CF and CIP are fully configured.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 48) The RMS-CF-CIP mapping cannot be determined for any host as the CIP configuration file <configfilename> has missing entries. Please verify that all the entries in <configfilename> are correct and that CF and CIP are fully configured.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 54) The heartbeat mode setting of <hbmode> is wrong. Cannot use ELM heartbeat method on non-CF cluster.

Content:

ELM heartbeat method is not available on non CF mode cluster.

Corrective action:

Install CF or disable ELM mode by setting HV_USE_ELM=0.

(WRP, 55) The heartbeat mode setting of <hbmode> is wrong. The valid settings are '1' for ELM+UDP and '0' for UDP.

Content:

The HV_USE_ELM setting is invalid.

Corrective action:

Set HV_USE_ELM to 0 or 1.

(WRP, 58) The ELM lock resource <resource> for the local host is being held by another node or application.

Content:

A critical internal error has occurred.

Corrective action:

A fatal internal error has occurred. Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 64) The ELM heartbeat startup failure for the cluster host <hostname>.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

(WRP, 67) The RMS-CF-CIP mapping cannot be determined for any host as the CIP configuration file <configfilename> has missing entries. Please verify that all the entries in <configfilename> are correct and that CF and CIP are fully configured.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

6.2 RMS Wizard Messages

This section explains messages that are output during RMS wizard execution.

Check the degree of importance and determine the reference from the table below. Messages are explained in the alphabetical order.

Degree of importance	Reference
Information (NOTICE)	"6.2.1 NOTICE Messages"
Warning (WARNING)	"6.2.2 WARNING Messages"
Non-fatal error (ERROR)	"6.2.3 ERROR Messages"

6.2.1 NOTICE Messages

Information (NOTICE) messages that are displayed during RMS wizard execution are explained in alphabetical order.

breakapplicationsX skipping all policy based failover checks, since the intended state "<intended state>" is neither Online nor Standby.

Content:

Information message.

NOTICE: /opt/SMAW/bin/hvawsipalias: Allocation-ID not found on Instance.

Content:

This is a notice message indicating that no allocation ID is found on an instance that configures the cluster during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Associate Elastic IP address with network interface.

Content:

This is a notice message indicating that the Elastic IP address is associated with the network interface during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Associates the DNS record IP address with the domain name.

Content:

This is a notice message indicating that the IP address of the DNS record is associated with the domain name during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: External command executed. detail=<aws_command options>

Content:

This is a notice message indicating that the aws command <aws_command options> was executed during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Instance-ID not found on RouteTables.

Content:

This is a notice message indicating that no instance ID of AWS is found on route tables during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Received SIGTERM signal.

Content:

This is a notice message indicating that the SIGTERM signal is received during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Replacing the route of Route Table.

Content:

This is a notice message indicating that the route of the route table is replaced during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Start begin.

Content:

This is a notice message indicating that the Online processing has started during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Start end. Return code=<code>.

Content:

This is a notice message indicating that the Online processing has ended during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Stop begin.

Content:

This is a notice message indicating that the Offline processing has started during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: Stop end. Return code=<code>.

Content:

This is a notice message indicating that the Offline processing has ended during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: The IpAddress <IpAddress> not found on HostZone.

Content:

This is a notice message indicating that the IP address <IpAddress> is not found on the host zone during network takeover in an AWS environment.

NOTICE: /opt/SMAW/bin/hvawsipalias: The network interface is not active.

Content:

This is a notice message indicating that the network interface is not active during network takeover in an AWS environment.

Corrective action:

When a resource failure has occurred after this message was output, the hvawsconfig file may have the following incorrect setting. Check the configuration of the hvawsconfig file, and correct it.

- The combination of the IP address and the route table ID is duplicated between different Keys.

If the error does not correspond to the above, no action is required.

NOTICE: /opt/SMAW/bin/hvawsipalias: Waiting until the DNS record status becomes INSYNC.

Content:

This is a notice message indicating that the DNS record status will wait until it becomes INSYNC.

NOTICE: /opt/SMAW/bin/hvscsireserve clear called

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvscsireserve preempt-abort succeeded. prekey is <prekey>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvscsireserve register failed

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: /opt/SMAW/bin/hvscsireserve register failed. But ignore

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: /opt/SMAW/bin/hvscsireserve register succeeded

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvscsireserve release failed. But ignore

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: /opt/SMAW/bin/hvscsireserve release failed. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: /opt/SMAW/bin/hvscsireserve release succeeded

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvscsireserve reserve failed. But ignore. key is <key>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: /opt/SMAW/bin/hvscsireserve reserve succeeded

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: AppState is Standby

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: Fault begin

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: Fault end. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: IP advertising began

Content:

This message indicates that the processing of the I/O fencing function to advertise the route information from the switching destination node has started.

NOTICE: /opt/SMAW/bin/hvsgpr: IP advertising ended. Return code <code>

Content:

This message indicates that the processing of the I/O fencing function to advertise the route information from the switching destination node has ended.

NOTICE: /opt/SMAW/bin/hvsgpr: OfflineDone begin

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: OfflineDone end. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: PreOnline begin

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: PreOnline end. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: Start begin

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: Start end. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: Stop begin

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: /opt/SMAW/bin/hvsgpr: Stop end. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE About to configure <Interface> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE About to configure <Interface> with <IpAddress> <Netmask> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE About to configure <MountPoint> ...

Content:

This message indicates the processing status of Fsystem resources, Rfs resources and takeover network resources.

NOTICE About to configure <ZpoolName> ...

Content:

This message indicates the processing status of Fsystem resources and Rfs resources.

NOTICE: About to configure zone <zone name> ...

Content:

This message indicates the processing state of Cmdline resources for non-global zone control.

NOTICE: About to export <MountPoint> ...

Content:

This message indicates the processing state of Fsystem resources.

NOTICE About to export zpool <ZpoolName> ...

Content:

This message indicates the processing status of Fsystem resources.

NOTICE About to import zpool <ZpoolName> ...

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: About to switch <app> <state>

Content:

This message indicates the processing state of internal commands.

NOTICE About to unconfigure <Interface> ...

Content:

This message indicates the processing state of Fsystem resources and takeover network resources.

NOTICE About to unconfigure <InterfaceName> ...

Content:

This message indicates the processing state of Fsystem resources and takeover network resources.

NOTICE About to unconfigure <Interface> prior to re-configuring.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: About to unconfigure <MountPoint>

Content:

This message indicates the processing state of Fsystem resources and takeover network resources.

NOTICE: About to unexport <MountPoint>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: About to unshare <MountPoint> ...

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: access to <Mount> failed.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: access to <Mount> succeeded once again

Content:

This message indicates the processing state of Rfs resources.

NOTICE Acquire <NfsDirName> by moving to <NfsDirName>.RMS.moved.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: A forceable attempt will be made to bring <application> out of maintenance mode with "hvutil -m forceoff <application>" ...

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: A hung umount command for <BlockSpec> is already running

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: Alarm clock rang!

Content:

This message indicates the processing state of internal commands.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: Alarm clock set to <value> ...

Content:

This message indicates the processing state of internal commands.

NOTICE: All hosts for <app> are not Online or are being shut down, so there is no need to wait for it.

Content:

This message indicates the processing state of internal commands.

NOTICE: Already reserved

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: An attempt will be made to bring <application> out of maintenance mode with "hvutil -m off <application>" ...

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: <app> Faulted on all hosts!

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> Faulted on <host>

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is already Offline on all hosts -- no action required

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is already <state> on <host> -- no switch required

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is busy, on <host>, waiting ...

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is in the Unknown state on <host>, waiting ...

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is maintenance mode, skipping <x> ...

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is not yet coming <state> anywhere, re-executing necessary command ...

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is not yet <state> anywhere, waiting ...

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is not yet <state> everywhere, waiting ...

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is Online on <host>

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> is Standby on <host>

Content:

This message indicates the processing state of internal commands.

NOTICE: <application> is (going) in maintenance mode, ignoring it ...

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: <application> is going Online and is beyond the PreCheckScript stage and therefore has priority, so exit with error here ...

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: <application> is in Wait and <resource> is Offline, so <application> is in PreCheckScript or Standby processing

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: <application> is Online and has priority, so exit with error here ...

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.
The userApplication *application* with the exclusive relationship is in Online state, so that the script exits with an error.

NOTICE: <application> LicenseToKillWait=yes, so may wait a total of approximately <lower priority sleep value> seconds, if necessary, to ensure any higher priority application starts its Online processing first ...

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Application specific entry at line <LineNo> overloads the generic entry at line <LineNo> in <Fstab> for mp <MountPoint>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: ApplicationSequence=<xxx>

Content:

This message indicates the processing status of internal commands.

NOTICE: <application> within the same set <priority set> with AppPriority=<priority>

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: <application> within same set with AppPriority=<priority>

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: <app> LicenseToKill=<xxx> KillPrioritySet=<xx> KillPriority=<xxx>

Content:

This message indicates the processing state of internal commands.

NOTICE: <app> on <host>: <state>, skipping Standby request

Content:

This message indicates the processing state of internal commands.

NOTICE: Begin to kill the IP advertising process

Content:

This message is output when the process of I/O fencing function to advertise the route information has stopped.

NOTICE: Break applications due to <application> coming <intended state> with BreakValue=<break value> KillPriority=<kill priority>

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Break applications due to <application> coming up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Breaking <application> after hvswitch due to <application> coming up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Breaking <application> due to <application> coming up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Breaking <application> with Autobreak=yes due to <application> coming up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Cannot allocate memory for zfs entry, current size = <Size> for <Number> entry. Cannot detect the zpool properly.

Content:

This message is displayed if the memory required for the monitoring process could not be acquired.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: cannot get the address of host <Host> from the hosts file

Content:

This message indicates the processing state of takeover network resources.

NOTICE: cannot get the address of interface <Address> from the hosts file!

Content:

This message indicates the processing state of takeover network resources.

NOTICE: cannot grab mount lock for dostat() check_getbdev(), returning previous state

Content:

Information message.

Corrective action:

If this message is output repeatedly, multiple Fsystem resources may have the same mountpoint. Check multiple Fsystem resources and make sure they do not have the same mountpoint.

If multiple Fsystem resources do not have the same mountpoint but this message is still output repeatedly, check if any other error message is output. If so, perform the corrective action of that error message.

NOTICE: cannot grab mount lock for dostat() <X>, returning previous state

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

Corrective action:

If this message is output repeatedly, multiple Fsystem resources may have the same mountpoint. Check multiple Fsystem resources and make sure they do not have the same mountpoint.

If multiple Fsystem resources do not have the same mountpoint but this message is still output repeatedly, check if any other error message is output. If so, perform the corrective action of that error message.

NOTICE: Cannot read 4 fields in sharetab entry. ignore this line.

Content:

This message indicates that NFS public status is not identical to the settings (share.nfs) of ZFS storage pool's data set.

Corrective action:

This message will appear in one of the following cases:

- a. When NFS public status is changed from the control other than PRIMECLUSTER.
- b. When storage pool is exported from the control other than PRIMECLUSTER.

c. Online processing or Offline processing is in progress by PRIMECLUSTER.

Whether corrective action is needed or not, determine if there is no additional ERROR message indicated after this message appears.

If an ERROR message appears after this message, possible corrective action is needed for a or b.

If the cluster application has successfully completed its startup, standby or switching and no ERROR message appears, there is no need for corrective action.

NOTICE: Cannot read <Sharetab>.

Content:

This message indicates that acquiring of information is not allowed with system call stat() to the <Sharetab> file.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: cannot send context->socket: <Socket>, (<ErrorMsg>)

Content:

This message indicates the processing state of takeover network resources.

NOTICE: cannot unlock mount lock for dostat() <X>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE of host <Host> found in <IpConfFile>

Content:

This message indicates the processing state of takeover network resources.

NOTICE of host <Host> not found in <IpConfFile>, researching with uname value

Content:

This message indicates the processing state of takeover network resources.

NOTICE: Check completed successfully. file=<config>

Content:

This is a message indicating that there is no problem with the description of <config>.

NOTICE CheckForTrustedHosts -a <Address> -r <Resource> dummy ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE CheckForTrustedHosts could not determine ResourceName, skipping ping check

Content:

This message indicates the processing state of takeover network resources.

NOTICE Check if <Interface> is both UP and RUNNING ..

Content:

This message indicates the processing state of takeover network resources.

NOTICE: Checking if <app> is <state> everywhere ...

Content:

This message indicates the processing state of internal commands.

NOTICE: Checking if <app> is <state> somewhere ...

Content:

This message indicates the processing state of internal commands.

NOTICE Checking <NfsLock>

Content:

This message indicates the processing state of Rfs resources.

NOTICE Check link status by using the link detection tools.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: checkReservation <disk> <reservation_key> <option> called. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: Child processes of <process id list> : <process id list>

Content:

This message indicates the processing state of internal commands.

NOTICE: child process=<pid> still running

Content:

This message indicates the processing state of Cmdline resources.

NOTICE: Clearing <application> due to <application> coming up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: <command> <app>

Content:

This message indicates the processing state of internal commands.

NOTICE: command <Command> timed out, returning <State>

Content:

This message indicates the processing state of Cmdline resources, takeover network resources, and Rfs resources.

NOTICE: "<command>" exited with code <state>

Content:

This message indicates the processing state of Cmdline resources.

NOTICE: command <pid> (<command>) still running, but has exceeded the timeout value <timeout> for reporting a state to RMS, with the previous state unknown, so returning offline

Content:

This message indicates the processing state of Cmdline resources.

NOTICE: command <pid> (<command>) still running, but has exceeded the timeout value <timeout>, returning the previous state <state>

Content:

This message indicates the processing state of Cmdline resources.

NOTICE: <command> stopping further processing since the NoProceed option has been specified

Content:

This message indicates the processing state of internal commands.

NOTICE: Command underlying file system type for <mount> is <BlkidType>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE Computed broadcast address <Bcast>

Content:

This message indicates the processing state of takeover network resources.

NOTICE Configuring interface <Interface> with <Ipaddress> <Netmask> <Broadcast>

Content:

This message indicates the processing state of takeover network resources.

NOTICE Create <Interface> as <IpAddress> <Options>.

Content:

This message indicates the processing state of takeover network resources.

NOTICE Create new <NfsDirName>

Content:

This message indicates the processing state of Rfs resources.

NOTICE Creating another mount point to re-establish the connection.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: cycle time has been reset to <Value>

Content:

This message indicates the processing state of takeover network resources.

NOTICE: dd if=<CharSpec> of=/dev/null count=1025 failed, try again

Content:

This message indicates the processing state of Fsystem resources.

NOTICE Deconfiguring interface <Interface>

Content:

This message indicates the processing state of takeover network resources.

NOTICE Deconfiguring of interface <Interface> failed <errorcode>.

Content:

This message indicates the processing state of takeover network resources.

NOTICE Deconfiguring of interface <Interface> failed.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: delete the old arp entry for <host>

Content:

This message indicates that takeover network resources are executing a process.

NOTICE: Determining child processes of <process id list> ...

Content:

This message indicates the processing state of internal commands.

NOTICE Directory <MountPoint> does not exist and is generated now.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE Directory <NfsDirName> has files in it.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Directory <NfsDirName>.RMS.moved already present.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Directory <NfsDirName>.RMS.moved found and has files in it.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: disk is <disk>. ReservationKey is <reservation_key>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: disk is <disk>. ReservationKey is <reservation_key>. opt is <option>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: Doing i/o on <MountPoint>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: doopenread of mount-device (pid xxx),counter=x not done yet reporting status, waiting ...

Content:

This message indicates a monitoring result of Fsystem resources that a system call, which is called for devices on the mountpoint, did not return within the specified time.

Corrective action:

When the counter value is within 1 to 3, a temporary I/O load may exist. In this case, no corrective action is required.

When the counter value is larger than 3, take following actions.

- If a high load processing is ongoing at times when this message is displayed, review the operation and the configuration.
- Tune the monitoring interval of file systems.
- For Linux, prepare a disk device for monitoring.

NOTICE: dostat of *mount-point* (pid *xxxx*),counter=*x* not done yet reporting status, waiting ...

Content:

This message indicates a monitoring result of Fsystem resources that a system call, which is called for devices on the mountpoint, did not return within the specified time.

Corrective action:

When the counter value is within 1 to 3, a temporary I/O load may exist. In this case, no corrective action is required.

When the counter value is larger than 3, take following actions.

- If a high load processing is ongoing at times when this message is displayed, review the operation and the configuration.
- Tune the monitoring interval of file systems.
- For Linux, prepare a disk device for monitoring.

NOTICE: <enable/disable> resource detection for <resource>

Content:

This message indicates the processing state of internal commands.

NOTICE: end of dopopen wait

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE ensure base interface <Interface> is working ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE: ExecuteCommandForApp missing arguments: App=<app> Command=<command>

Content:

This message indicates the processing state of internal commands.

NOTICE: Exiting successfully.

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: failed to get mpinfo for <MountPoint>. cannot open <Fstab> (<Errno>)

Content:

This message indicates that it failed to open <Fstab> file.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: failed to open device "<tempfile>", (<errmsg>)**Content:**

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: failed to open/read device <Mount> (<ErrMsg>)**Content:**

This message indicates the processing state of Fsystem resources and Rfs resources.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required.

NOTICE: failed to write tempfile "<File>" within <Maxretry> try/tries**Content:**

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: File <File> does not exist or permission denied.(<Errno>)**Content:**

This message indicates that it failed to open <File> file.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: File system type for <CharSpec> is <Type>, using <FsckCommand>**Content:**

This message indicates the processing state of Fsystem resources.

NOTICE: <Filesystem> was not mounted at <MountPoint>**Content:**

This message indicates the processing state of Fsystem resources.

NOTICE Flushing device <RawDevice>**Content:**

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE Following processes will be killed:**Content:**

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE forced umount <MountPoint> done.**Content:**

This message indicates the processing state of Fsystem resources.

NOTICE: fork() failed for "<command>" with <errno>**Content:**

The fork () failed for the check command <command>.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required.

NOTICE: Found a read only flag in <MountOptions>, setting context->rwflag to O_RDONLY

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: Found a read only flag in <MountOptions>, setting readonly attribute to 1

Content:

This message indicates the processing state of Rfs resources.

NOTICE: found read only option: <MountOptions>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: Found the legacy mount point <MountPoint> in vfstab[.pcl] and resolve zpool name <ZpoolName>. Start monitoring of this resource.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE Fuser: fuser command failed with error code <RetCode>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE Fuser: killing active processes on <MountPoint> : <Pids>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE <FuserLsof> <FLOption> -s <NfsServer> <MountPoint>. ...

Content:

This message indicates the processing state of Rfs resources.

NOTICE FuserLsofPid is <Pid>

Content:

This message indicates the processing state of Rfs resources.

NOTICE: Fuser <MountPoint> ...

Content:

This message indicates the processing state of Fsystem resources.

NOTICE Fuser: No processes active in <MountPoint>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: FuserPid is <FuserPid>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: GdStop cannot find the context <Value> in the context list for <String>.

Content:

This message indicates that an appropriate value was not detected in the internal processing.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: getting block device for <Mount> failed

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required.

NOTICE Got <NfsLock>

Content:

This message indicates the processing state of Rfs resources.

NOTICE: Hosts for <app> are <host>

Content:

This message indicates the processing state of internal commands.

NOTICE: hvappsequence complete

Content:

This message indicates the processing state of internal commands.

NOTICE hvcheckinterface <interface> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE hvcheckinterface <interface> Ok, returning ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE hv_nfs.client: sending <signal> to nfsd ...

Content:

Sending the signal <signal> to terminate the nfsd daemon.

NOTICE hv_nfs.client: MaxCount <MaxCount> reached, stop_nfsd_proc killing nfsd daemons ...

Content:

The message indicates that the stop processing of the nfsd daemon reached to <MaxCount> times.

NOTICE hv_nfs.client start nfsd <argument> starting ...

Content:

The message indicates that the nfsd daemon is being started with the option *<argument>*.

NOTICE hv_nfs.client: *<pid>* still running ...

Content:

The message indicates that the nfsd daemon is running.

NOTICE *<hv_nfs-c>* *<MountPoint>* already has NFS filesystem mounted on it.

Content:

This message indicates the processing state of Rfs resources.

NOTICE *<hv_nfs-c/u>* *<MountPoint>* is a symbolic name and its target already has NFS filesystem mounted on it.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: hvnfsrestart: *<application>* is *<state>*, no need to continue for wait for aliases to be *<state>* ...

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: hvnop -m UApp_ReqStandby -s *<host>* *<app>*

Content:

This message indicates the processing state of internal commands.

NOTICE: hvutil -m off *<application>* failed with error code *<return value>* (*<error output>*).

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE ifconfig *<Interface>* *<IfConfig>* 2>/dev/null ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE Ignore Acquire *<NfsDirName>* by move. re-try mount.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: interface *<Address>* is reconfigured, old is *<Interface1>*, new is *<Interface2>*

Content:

This message indicates the processing state of takeover network resources.

NOTICE: interface check for *<Interface>* failed

Content:

This message indicates the processing state of takeover network resources.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required.

NOTICE: interface check for <Interface> failed, lying online for <Count> seconds

Content:

This message indicates the processing state of takeover network resources.

NOTICE: interface check for <Interface> failed, ping scheme skipped

Content:

This message indicates the processing state of takeover network resources.

NOTICE: interface check for <Interface> succeeded

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> (<IpAddress>) was successfully configured and is working.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> (<IpAddress>) was successfully unconfigured.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> cannot be configured, unconfiguring.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: <Interface> for host <Host> bound to <Interface1> (<Address>)

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> is already configured.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> is already unconfigured.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> is not UP, better initialize it ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> is not UP, better initialize it to address 0.0.0.0.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> wanted on <WantedInterfaces> is already configured on <Interface> and pings successfully.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> was already configured and running. Re-configure it.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <Interface> was already configured and running. Use it without re-configuration.

Content:

This message indicates the processing state of takeover network resources.

NOTICE <IpAddress> cannot be configured on <Interface>

Content:

This message indicates the processing state of takeover network resources.

NOTICE: ip addr del <ipaddrprefix> failed (<errorcode>).

Content:

This message indicates the processing state of takeover network resources.

NOTICE: IP advertising ended because <CF nodename> is UP

Content:

This message indicates that the process of I/O fencing function to advertise the route information from the switching destination node has ended because the CF state of the switching source node is in UP state.

NOTICE: IP advertising ended because the Offline processing of <application> began

Content:

This message indicates that the process of I/O fencing function to advertise the route information from the switching destination node has ended because the userApplication has started the Offline processing.

NOTICE: IP advertising ended because IP advertising was executed <count> times

Content:

This message indicates that the process of I/O fencing function to advertise the route information has ended because the process to advertise the route information from the switching destination node in 60 second cycle has been executed <count> times.

NOTICE: ip link set dev <interface> down failed (<errorcode>).

Content:

This message indicates the processing state of takeover network resources.

NOTICE: key is <key>. opt is <option>. disk is <disk>. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE "KillFuserLsof: kill fuser pid <FuserLsofPid>"

Content:

This message indicates the processing state of Rfs resources.

NOTICE "KillFuserLsof: No fuser process running"

Content:

This message indicates the processing state of Rfs resources.

NOTICE "KillFuserLsof: pkill -P <FuserLsofPid>"

Content:

This message indicates the processing state of Rfs resources.

NOTICE: KillFuser: kill fuser pid <FuserPid>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: KillFuser: No fuser process running

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: KillFuser: pkill -P <FuserPid>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: killing parent processes <process list> ...

Content:

This message indicates the processing state of internal commands.

NOTICE: Killing <process id list> ...

Content:

This message indicates the processing state of internal commands.

NOTICE: KillPriority=<kill priority>

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: kill selfpanic process. pid is <pid>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE LABEL/UUID Command failed to ascertain device name for label/uuid!

Content:

This message indicates the processing state of Fsystem resources.

NOTICE Leave mount point as garbage.

Content:

This message indicates the processing state of Rfs resources.

NOTICE LieOffline Enabled.

Content:

This message indicates the processing state of Rfs resources.

NOTICE <LInterface> cannot be configured on <Interface>

Content:

This message indicates the processing state of takeover network resources.

NOTICE LogAndExit: mkdir -p <MountPoint> ...

Content:

This message indicates the processing state of Rfs resources.

NOTICE LogAndExit: rm -f <LockTarget> ...

Content:

This message indicates the processing state of Rfs resources.

NOTICE LogAndExit: rm -f <MountPoint> ...

Content:

This message indicates the processing state of Rfs resources.

NOTICE LogAndExit: rm -f <NfsLock> ...

Content:

This message indicates the processing state of Rfs resources.

NOTICE LogAndExit: rmdir <NfsDirName> ...

Content:

This message indicates the processing state of Rfs resources.

NOTICE Look at the definition of MaxAlias in the file hv_ipalias-c.

Content:

This message indicates the processing state of takeover network resources.

NOTICE Lsof complete

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE Lsof: GetRealNameOfSymlink <MountPoint> returned no entry, skipping kill of any processes ...

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE Lsof: killing active processes on <MountPoint> : <Pids>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE Isof -t <MountPoint> ...

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: lying interval has expired

Content:

This message indicates the processing state of Rfs resources.

NOTICE Mac Address for <Interface> was successfully reset to the system specified address.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: Memory allocation failed for size <Size> (<Errno>), Cannot read the file <File>

Content:

This message indicates that it failed to allocate memory.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: Memory re-allocation failed for size <Size> (<Errno>), return partial read for the file <File>

Content:

This message indicates that it failed to allocate memory.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE mkdir <NfsDirName>

Content:

This message indicates the processing state of Rfs resources.

Corrective action:

No action is required.

NOTICE mkdir <NfsDirName> and make symbolic link <MountPoint>

Content:

This message indicates the processing state of Rfs resources.

NOTICE: <Mount> done reporting status

Content:

This message indicates the processing state of Fsystem resources.

NOTICE MountFS nfs <MountOptions> <What> <NfsDirName> for <MountPoint>

Content:

This message indicates the processing state of Rfs resources.

NOTICE Mount NFS mountpoint <MountPoint> was successful.

Content:

This message indicates the processing state of Rfs resources.

NOTICE <MountPoint> actively used by the processes: <Pids>

Content:

This message indicates the processing status of Fsystem resources.

NOTICE <MountPoint> is actively used by the processes: <Pids>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE <MountPoint> is already gone.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: <MountPoint> is already mounted, attempt to read data from it.

Content:

This message indicates the processing state of Fsystem resources.

NOTICE <MountPoint> is currently mounted, attempt to unmount it.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: <MountPoint> is mounted and can be accessed.

Content:

This message indicates the processing state of Fsystem resources.

NOTICE <MountPoint> is mounted successfully.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE <MountPoint> is not active, Fuser skipping kill of process id(s): <Pids>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE <MountPoint> is not active, Lsof skipping kill of process id(s): <Pids>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE <MountPoint> is symbolic link and is removed now.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: mount point <Mount> has a problem, lying <PrevState> for <MaxLieOfflineTime> seconds

Content:

This message indicates the processing state of Rfs resources.

NOTICE mount point <Mount> is not in /usr/opt/reliant/dev/nfs

Content:

This message indicates the processing state of Rfs resources.

NOTICE: mount point <Mount> is not mounted

Content:

This message indicates the processing state of Rfs resources.

NOTICE: mount point <mount-point> has a problem, lying online for xxx seconds

Content:

Although a problem occurred to the mount point, online is responded for xxx seconds.

NOTICE: mount point <Mount> status cannot yet be ascertained, waiting a maximum of <MaxLieOfflineTime> seconds

Content:

This message indicates the processing state of Rfs resources.

NOTICE: mount point <Mount> status was ascertained successfully again

Content:

This message indicates the processing state of Rfs resources.

NOTICE Mount point name <MountPoint> is not symbolic link. Found NFS direct mount.

Content:

This message indicates the processing state of Rfs resources.

NOTICE <MountPoint> not mounted.

Content:

This message indicates the processing state of Rfs resources.

NOTICE mount -t <Type> <Option> <Dev> <MountPoint>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE Move <NfsDirName> to <NfsDirName>.RMS.moved.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Moving <Element> to <Element>.<Date>

Content:

This message indicates that <Element> of the same path and name with the mount point has been moved to <Element>.<Date>.

Corrective action:

Do not create the file or the directory of the same path and name with the mount point of ZFS storage pool.

NOTICE: Multiple application specific entries found at line <LineNo> in <Fstab> for mp <MountPoint>. Use the previous definition at line <LineNo>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: Multiple entries defined at line <LineNo> in <Fstab> for mp <MountPoint>. Use the previous definition at line <LineNo>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: Native ZFS mountpoint <MountPoint> is not mounted.

Content:

This message indicates that the non-legacy of ZFS mount point <MountPoint> is not mounted.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE <NfsDirectMount> removed.

Content:

This message indicates the processing state of Rfs resources.

NOTICE <NfsDirectMount>.RMS.moved found.

Content:

This message indicates the processing state of Rfs resources.

NOTICE <NfsDirectMount>.RMS.moved has files. Ignoring moving <NfsDirectMount>.RMS.moved to <NfsDirectMount>.

Content:

This message indicates the processing state of Rfs resources.

NOTICE <NfsDirectMount>.RMS.moved MOVED TO <NfsDirectMount>.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Nfs mount Directory <NfsDirName> failed. Could be mount point is busy.

Content:

This message indicates the processing state of Rfs resources.

Corrective action:

When a resource failure has occurred after this message was output, check if no processes are using a file located under a directory of the mountpoint. Check also that no processes have a current working directory.

NOTICE: nfs server is <NfsServer> and nfs server mp is <MountPoint>

Content:

This message indicates the processing state of Rfs resources.

NOTICE NFS symbolic link <MountPoint> missing, restoring...

Content:

This message indicates the processing state of Rfs resources.

NOTICE: no application has been defined, so no hvassert or lying possible

Content:

This message indicates the processing state of takeover network resources.

NOTICE No available Mac Address software was found

Content:

This message indicates the processing state of takeover network resources.

NOTICE: No child processes of <process id list> found

Content:

This message indicates the processing state of internal commands.

NOTICE: No command defined for resource

Content:

This message indicates the processing state of Cmdline resources.

NOTICE: node <Host> is offline, command <Command> failed

Content:

This message indicates the processing state of takeover network resources.

NOTICE: no more sockets (<Errno>)

Content:

This message indicates the processing state of takeover network resources.

NOTICE No non-empty paths found that are part of zfs mountpoints.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: no ping response received from any host, lying online for <Count> seconds

Content:

This message indicates the processing state of takeover network resources.

NOTICE No response from any ping hosts <hosts>. Try once more ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE: No Timeout value set -- using 300 seconds

Content:

This message indicates the processing state of internal commands.

NOTICE Offline processing of <ZpoolName> successful.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE Online processing of <ZpoolName> successful.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: Ok for <application> to start up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Ok to start up.**Content:**

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: opt is <option>. disk is <disk>. Return code <code>**Content:**

This message indicates the processing state of I/O fencing function.

NOTICE: opt is <option>. Return code <code>**Content:**

This message indicates the processing state of I/O fencing function.

NOTICE ping hosts <hosts>**Content:**

This message indicates the processing state of takeover network resources.

NOTICE ping <NfsServer> ...**Content:**

This message indicates the processing state of Rfs resources.

NOTICE: ping reply received from <Host>**Content:**

This message indicates the processing state of takeover network resources.

NOTICE: PreCheckTimeout=<PreCheckTimeout> LowerPrioritySleep=<lower priority sleep value>**Content:**

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: priority application <app> is <state> on <host>**Content:**

This message indicates the processing state of internal commands.

NOTICE: PriorityApps=<app>**Content:**

This message indicates the processing state of internal commands.

NOTICE: Processing <application>.**Content:**

This message indicates the processing state of internal commands.

NOTICE: Processing prechecks for application <application>.**Content:**

This message indicates the processing state of internal commands.

NOTICE ProcessRoutingInfo -c <Interface> <RoutingInfo> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE ProcessRoutingInfo -u <Interface> <RoutingInfo> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE: reading from device <CharSpec> failed with error code <RetCode>

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: reading from device <CharSpec> hung ...

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: rcvfrom error <ErrMsg>

Content:

This message indicates the processing state of takeover network resources.

NOTICE: Remove <application> in maintenance mode from the list of lower priority applications, so no waiting for it will occur.

Content:

This message indicates the processing state of takeover network resources.

NOTICE Remove empty directory <NfsDirName>.RMS.moved.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Remove existing directory <MountPoint>.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Remove existing symbolic link <MountPoint>.

Content:

This message indicates the processing state of Rfs resources.

NOTICE RemoveInterface deconfiguring <Interface> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE RemoveInterface Interface=<Interface> NoDeconfigure=<NoDeconfigure> Cflag=<Cflag>

Content:

This message indicates the processing state of takeover network resources.

NOTICE RemoveInterface not deconfiguring <Interface> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE RemoveInterface resetting mac address for <Interface> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE Remove symbolic link <MountPoint>.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: Removing any possible Rawdisk links below reliant/dev/rawdisk...

Content:

This message is displayed when the rc script of SMAWRhv-to(RMS Wizard Tools) deletes unnecessary internal files at OS startup/ stop to initialize RMS before it is started or after it is stopped.

NOTICE: Removing any possible stale nfs links below reliant/dev/nfs...

Content:

This message is displayed when the rc script of SMAWRhv-to(RMS Wizard Tools) deletes unnecessary internal files at OS startup/ stop to initialize RMS before it is started or after it is stopped.

NOTICE: Removing stale lock file(s) <lock file list> ...

Content:

This message indicates the processing state of internal commands.

NOTICE: Reservation is released. counter is <counter>

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: reservation key was null at the first attempt. Trying again ...

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: resetting doopenreadcount from <OldValue> to <NewValue>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: resetting dopopencount from <OldCount> to <NewCount>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: resetting dostatcount from <OldCount> to <NewCount>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: resetting dostatcount from <OldValue> to <NewValue>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: Resetting Hosts for <app> to <host>

Content:

This message indicates the processing state of internal commands.

NOTICE: resetting lying time and returning the previous state, since a child process has still not completed.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Resetting Mac Address

Content:

This message indicates the processing state of takeover network resources.

NOTICE: ReSetting mac Address of base interface <interface> to system defined Mac address failed. <error code>

Content:

This message indicates the processing state of takeover network resources.

NOTICE: resource detection for <Resource> has been disabled

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: resource detection for <Resource> has been reenabled

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: resource detection has been disabled

Content:

This message indicates the processing state of internal commands.

NOTICE: resource detection has been enabled

Content:

This message indicates the processing state of internal commands.

NOTICE: resource detection has been reenabled

Content:

This message indicates the processing state of internal commands.

NOTICE: resource has become faulted

Content:

The resource has become Faulted.

NOTICE: resource has become offline

Content:

The resource has become Offline.

NOTICE: resource has become offlinefaulted

Content:

The resource has become OfflineFaulted.

NOTICE: resource has become online

Content:

The resource has become Online.

NOTICE: resource has become onlinewarning

Content:

The resource has become OnlineWarning.

NOTICE: resource has become standby

Content:

The resource has become Standby.

NOTICE: <Resource> has become <State>

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: <Resource> has become <State>. If the resource status became faulted in the middle of the offline/online processing then it was most likely due to the interim state of the resource and should be ignored.

Content:

This message indicates that the resource <Resource> has become <State>.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: resource has become unknown

Content:

The resource has become Unknown.

NOTICE: RMS already running - nothing to do

Content:

This message indicates the processing state of internal commands.

NOTICE: RMS is being shut down on <host>.

Content:

This message indicates the processing state of internal commands.

NOTICE: RMS is not running on <host>, skipping <x> ...

Content:

This message indicates the processing state of internal commands.

NOTICE: RMS is running - nothing to do

Content:

This message indicates the processing state of internal commands.

NOTICE: RMS Wizard cleanup successfully terminated.

Content:

This message indicates the processing state of internal commands.

NOTICE: RMS Wizard rc-script invoked: arguments: <arguments>

Content:

This message indicates the processing state of internal commands.

NOTICE: rshx - <host> <command> <app>

Content:

This message indicates the processing state of internal commands.

NOTICE Search and move any existing paths that are part of zfs mountpoints.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: Self panic

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: send standby request for <app> to <host>

Content:

This message indicates the processing state of internal commands.

NOTICE: server <NfsServer> is not responding

Content:

This message is output when the NfsServer of a resource does not answer a ping request.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required.

NOTICE: server <NfsServer> is responding once again

Content:

This message indicates the processing state of Rfs resources.

NOTICE: Setting takeover mac Address of base interface <interface> from <value> to <value>.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: Setting takeover mac Address <value> of base interface <interface> failed. <error code>

Content:

This message indicates the processing state of takeover network resources.

NOTICE: Share configuration exists for <mount point> ...

Content:

This message indicates the processing state of internal commands.

NOTICE: Since the SA_icmp Shutdown Agent is not set, I/O fencing will not perform self-panic of node.

Content:

This message indicates the processing state of I/O fencing function.

This message is displayed when the forced stop of the node by I/O fencing function has not been executed due to the shutdown agent is not ICMP.

Corrective action:

When XSCF is set to the shutdown agent, no corrective action is required because the forced stop of the node is executed by XSCF.

Set XSCF or ICMP to the shutdown agent in case of the following:

- The shutdown agent is set to other than ICMP or XSCF.
 - Shutdown agent is not set.
-

NOTICE: Since the set value of HaltFlag is No, I/O fencing will not perform self-panic of node.

Content:

This message indicates the processing state of I/O fencing function.

This message is displayed when the forced stop of the node by double fault has not been executed due to the value of HaltFlag attribute is No.

Corrective action:

If you want to forced stop the node when double fault occurs, set the value of HaltFlag attribute to Yes.

NOTICE: skip waiting for <app> since higher priority applications are already online on all hosts

Content:

This message indicates the processing state of internal commands.

NOTICE Something strange here. Mount point <MountPoint> is not symbolic nfs but <OldMountType>. Do nothing.

Content:

This message indicates the processing state of Rfs resources.

NOTICE start automatic recovery of base address <Interface> ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE: starting <command args>.

Content:

This message indicates the processing state of internal commands.

NOTICE Starting hvcleanupnfs in the background ...

Content:

This message indicates the processing state of Rfs resources.

NOTICE: State of <app> on <host>: <state>

Content:

This message indicates the processing state of internal commands.

NOTICE: State of priority application <app> on <host>: <state>

Content:

This message indicates the processing state of internal commands.

NOTICE: stat of <Mount> failed

Content:

This message indicates the processing state of Rfs resources.

NOTICE: Stopping the processes running on <MountPoint>.

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: successfully faulted

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: successfully killed

Content:

This message indicates the processing state of Cmdline resources.

NOTICE: successfully offlinedone

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: successfully preonline

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: successfully started

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: successfully stopped

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: Switching <application> due to <application> coming up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Switching the lower priority application <application> with hvswitch -p, due to <application> coming up.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE Symbolic link <MountPoint> has been replaced with directory already.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Symbolic link <MountPoint> to NFS mountpoint <Entry> was successfully recreated.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: sync of the disk <CharSpec> with hdparm -f <CharSpec> succeeded

Content: This message indicates the processing state of Fsystem resources.

NOTICE Terminating process : <ZfsFuserPid>

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: Testing i/o hung on <MountPoint>. Waiting ...

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The command "<command>" completed successfully

Content:

This message indicates the processing state of Cmdline resources.

NOTICE: The command <Command> died unexpectedly with exit code 0x<Value>, status = 0x<Value>.

Content:

This message indicates the execution result of <Command>.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: The command <Command> exited with status <RetCode>. This is fatal error and cannot continue detection.

Content:

This message indicates that the displayed command in <Command> has finished with return value <RetCode>.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: The command "<command>" has exceeded the allotted time limit <timeout>, returning offline!

Content:

This message indicates that the Check script of the Cmdline resource does not finish within <timeout> seconds.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required.

NOTICE: The command "<command>" has exceeded the allotted time limit <timeout>, returning <state>! (Previous state is <previous state>)

Content:

This message indicates that the Check script of the Cmdline resource does not finish within <timeout> seconds.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required

NOTICE: The command (<Command>) succeeded but output is empty? This should not happen.

Content:

This message indicates that there is no output of <Command>.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: The command <Command> terminated abnormally with status <RetCode>

Content:

This message indicates that the displayed command in <Command> has finished unexpectedly with return value <RetCode>.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: The command has been timeout : <Command>

Content:

This message indicates that the displayed command in <Command> has timed out.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: The dataset <Dataset> has become a ZFS filesystem in the zpool <ZpoolName>. The old type was <Type>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The file system <MountPoint> was successfully unmounted.

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: The generic entry at line <LineNo> in <Fstab> was overloaded by application specific entry for mp <MountPoint>. Use the previous definition at line <LineNo>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE The interface will not be re-configured.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: The initial list of ZFS file system from the command execution <Command> is as follows.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The Legacy flag is <Value>

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The monitorall is <Value>

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The mount point of a ZFS filesystem <ZfsName> has changed from <MountPoint> to <MountPoint>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The mp name is <MountPoint>

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The native mount point <MountPoint> is not correctly shared when it has SHARENFS or NFS property with on. Return faulted.

Content:

This message indicates that the non-legacy of ZFS mount point <MountPoint> is not shared.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE The physical interface <Interface> is already configured, will attempt to configure using a logical interface (alias)

Content:

This message indicates the processing state of takeover network resources.

NOTICE: The SHARENFS or NFS property of a ZFS filesystem <ZfsName> has changed from <Sharenfs> to <Sharenfs>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The status of the zpool, <ZpoolName>, is no longer degraded.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The status of the zpool, <ZpoolName>, is no longer faulted or unavailable.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: There is already a PreCheck error, so skipping Processing <applications>

Content:

Takeover network resources or Fsystem resources are not properly configured.

Corrective action:

If any error message is output after this message, take the corrective action of the error message. If no error message is output after this message, no corrective action is required.

NOTICE: There is an application with higher priority and Faulted on this machine.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: There is an application with higher priority in Wait on this machine.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: There is an application with higher priority on this machine.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE There was no interface active for <InterfaceName>.

Content:

This message indicates the processing state of takeover network resources.

NOTICE: The Unknown state for <app> will be ignored as it is not defined to run on <host>

Content:

This message indicates the processing state of internal commands.

NOTICE: The ZFS filesystem <ZfsName> has been added to a zpool <ZpoolName>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The ZFS filesystem <ZfsName> has been deleted from a zpool <ZpoolName>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The ZFS filesystem <ZfsName> is no longer ZFS file system type in a zpool <ZpoolName>. The new type is <Type>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The zpool list <ZpoolName> output shows that the zpool is degraded. Immediate attention is required.

Content:

This message indicates that degraded status was detected in the output, and executed zpool list command in ZFS storage pool *<ZpoolName>*.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: The zpool list *<ZpoolName>* output shows that the zpool is faulted. Report faulted.

Content:

This message indicates that faulted status was detected in the output, and executed zpool list command in ZFS storage pool *<ZpoolName>*.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE: The zpool name is *<ZpoolName>*

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: The zpool *<ZpoolName>* does not have AltRoot defined. The resource becomes faulted in order to prevent the potential data corruption.

Content:

This messages indicates that AltRoot has not been configured in ZFS storage pool *<ZpoolName>*.

Corrective action:

If an error message appears after this message is displayed, follow the corrective action of the error message.

NOTICE The zpool *<ZpoolName>* has Health=*<Zhealth>* and AltRoot=*<Zaltrout>*. Try re-import after export.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: Timeout set to *<timeout>*

Content:

This message indicates the processing state of internal commands.

NOTICE Trying to cleanup before re-importing again.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE Trying to force import.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE umount -fr *<MountPoint>*

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE UmountFS *<MountPoint>* ...

Content:

This message indicates the processing state of Fsystem resources.

NOTICE umount -l <MountPoint>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE umount <MountPoint>

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE umount <MountPoint> done.

Content:

This message indicates the processing state of Fsystem resources.

NOTICE: umount <MountPoint> failed with error code <RetCode>

Content:

This message indicates the processing state of Fsystem resources.

Corrective action:

When a resource failure has occurred after this message was output, check if no processes are using a file located under a directory of the mountpoint. Check also that no processes have a current working directory.

NOTICE Umount of <MountPoint> is properly reflected in /proc/mounts, but fails to delete the entry in /etc/mtab file.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Umount was successful.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Umount was successful. Remove symbolic link <MountPoint>.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Using direct mount point.

Content:

This message indicates the processing state of Rfs resources.

NOTICE Using indirect mount point with symbolic link method.

Content:

This message indicates the processing state of Rfs resources.

NOTICE: using normal system files

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: using xxx.pcl system files

Content:

This message indicates the processing state of Fsystem resources and Rfs resources.

NOTICE: virtual alias <Address> reconfigured from <OldInterface> to <NewInterface>

Content:

This message indicates the processing state of takeover network resources.

NOTICE: virtual alias <Address> is reconfigured, old is <Interface1> new is <Interface2>

Content:

This message indicates the processing state of takeover network resources.

NOTICE: Wait for OfflineDone script. Trying again ...

Content:

This message indicates the processing state of I/O fencing function.

NOTICE: Waiting for <application> to become Offline.

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE: Waiting for the last application to become Offline ...

Content:

This message indicates that a process is executed based on exclusive relationships between cluster applications.

NOTICE You might want to increase the maximum number of aliases ...

Content:

This message indicates the processing state of takeover network resources.

NOTICE zfs <Zname> is not mounted on <Zmountpoint>. Mounting..

Content:

This message indicates the processing status of Fsystem resources.

NOTICE: Zone <zone name> is in state <zone state>. About to attach ...

Content:

This message indicates the processing state of Cmdline resources for non-global zone control.

NOTICE: Zone <zone name> is in state <zone state>. About to boot ...

Content:

This message indicates the processing state of Cmdline resources for non-global zone control.

NOTICE zpool force import failed with exit value <RetCode>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE zpool import failed with exit value <RetCode>.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE zpool import of <ZpoolName> is done.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE zpool <ZpoolName> already exported or not imported.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE zpool <ZpoolName> export failed with code <RetCode>. Trying force export ...

Content:

This message indicates the processing status of Fsystem resources.

NOTICE zpool <ZpoolName> is not imported, running hvexec -Fzpool -c <ZpoolName> ...

Content:

This message indicates the processing status of Fsystem resources.

NOTICE zpool <ZpoolName> was already imported.

Content:

This message indicates the processing status of Fsystem resources.

NOTICE ZpoolDeviceOptions=<ZpoolDeviceOptions>

Content:

This message indicates the processing status of Fsystem resources.

6.2.2 WARNING Messages

This section explains WARNING messages that are displayed during RMS wizard execution.

cannot grab mount lock for dostat() check_getbdev(), returning previous state

Content:

Information message.

Corrective action:

If this message is output repeatedly, multiple Fsystem resources may have the same mountpoint. Check multiple Fsystem resources and make sure they do not have the same mountpoint.

If multiple Fsystem resources do not have the same mountpoint but this message is still output repeatedly, check if any other error message is output. If so, perform the corrective action of that error message.

cannot unlock mount lock for dostat() check_getbdev()

Content:

Information message.

Corrective action:

If this message is output repeatedly, multiple Fsystem resources may have the same mountpoint. Check multiple Fsystem resources and make sure they do not have the same mountpoint.

If multiple Fsystem resources do not have the same mountpoint but this message is still output repeatedly, check if any other error message is output. If so, perform the corrective action of that error message.

dostat found <info> returning 0

Content:

Information message.

Corrective action:

No action is required.

WARNING: /etc/opt/FJSVsdx/bin/sdxiofencing -P -t all failed. class is <class>. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: /etc/opt/FJSVsdx/bin/sdxiofencing -P -t slice failed. class is <class>. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers..

WARNING: Active disk in <class> not found

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING Application <application> cannot be brought Online due to Application <application> being in <current state> state. <application> has LicenseToKillWait=yes set.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Online due to Application <application> being in Faulted or Inconsistent state on <host>. <application> has LicenseToKillWait=yes set.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Online due to Application <application> being in Online State. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Online due to Application <application> being Online in maintenance mode. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Standby due to Application <application> being in Online State. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Standby due to Application <application> being Online in maintenance mode. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Standby due to Application <application> going Online. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Attempt to create another mount point failed.

Content:

Information message.

Corrective action:

No action is required.

WARNING: Cannot allocate memory for zfs entry, current size = <Size> for <Value> entry. Cannot detect the zpool properly.

Content:

This message indicates that the memory allocation has failed.

Corrective action:

Determine why OS memory is depleted resulting in memory allocation failures.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

WARNING Cannot assign any interface to <interface>.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING Cannot configure a basic interface <ipaddress> on <interface> without -s option.

Content:

Information message.

Corrective action:

No action is required.

WARNING Cannot find <ipaddress> on interface <interface>.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING: Cannot find the legacy mount point <MountPoint> in vfstab[.pcl]. Cannot monitor this resource.

Content:

This message indicates that there are no entries necessary to mount the file system in the /etc/vfstab[.pcl] file.

Corrective action:

Add necessary entries to the /etc/vfstab[.pcl] file.

WARNING: Cannot find the zpool info from bdev field (<Bdev>) of mpinfo <MountPoint> in vfstab[.pcl]. Cannot monitor this resource.

Content:

This message indicates that the zpool name can not be found from the line including <Bdev> in the /etc/vfstab[.pcl] file.

Corrective action:

Refer to "Prerequisites" of "Creating Fsystem Resources" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" and check the correct dataset name included in the /etc/vfstab[.pcl] file.

WARNING Cannot unconfigure <address> on basic interface <interface> without -s option.

Content:

Information message.

Corrective action:

No action is required.

WARNING: check reservation failed. disk is <disk>. opt is <option>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

WARNING <Command> called without any ZFS mount point name.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

WARNING <Command> called without any zpool name.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

WARNING Configuration of interface <interface> failed, undoing changes. Link may be down !

Content:

Information message.

Corrective action:

No action is required.

WARNING Could Not Reset Mac Address for <interface>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING Could not set Mac Address <takeovermac> for <interface>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING: disk in <class> not found

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: disk is <disk>. opt is <option>. counter is <counter>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

WARNING Ensuring only allowed applications continue to run, with respect to policy based failover management (LicenseToKill/AutoBreak), must be done manually, if required, by executing "hvswitch -p <application>", after <application> leaves maintenance mode!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING Ensuring only allowed applications continue to run, with respect to policy based failover management (LicenseToKill/AutoBreak), must be done manually, if required, by executing "hvswitch -p <application>", after <application> leaves maintenance mode, because AutoBreakMaintMode = no!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING Force export of zpool <ZpoolName> failed with code <RetCode>.

Content:

zpool export in <ZpoolName> has failed.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING hv_filesys-c called without any mount point.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING hv_filesys-u called without any mount point.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING hv_ipalias-c called without any interface name.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING hvutil -m forceoff <application> failed with error code <return value> (<error output>). <application> will not be brought out of maintenance mode!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING hvutil -m off <application> failed with error code <return value> (<output value>). <application> will not be brought out of maintenance mode!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING No ping at all succeeded.

Content:

Information message.

Corrective action:

No action is required.

WARNING: Not enough field in zfs list output at line no <LineNo>.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

WARNING: reserve failed. disk is <disk>. opt is <option>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

WARNING: Retry limit reached

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: Return code <code>. Trying again ...

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

WARNING: Return code <code1>, <code2>. Trying again ...

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

WARNING ScanVfstab called without second parameter.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING The base interface <interface> is not yet configured. A virtual interface cannot be assigned on top of it!

Content:

An interface allocated for a takeover IP address is not yet configured. A virtual interface cannot be configured on this interface.

Corrective action:

Configure the interface allocated for the takeover IP address to be usable.

WARNING The file system <mountpoint> may not be unmounted.

Content:

Information message.

Corrective action:

No action is required.

WARNING The file system <mountpoint> was not unmounted.

Content:

Information message.

Corrective action:

No action is required.

WARNING The interface <interface> was already present, but it could not be re-configured successfully.

Content:

Information message.

Corrective action:

No action is required.

WARNING: The pool name <ZpoolName> for legacy mountpoint <MountPoint>, which is used during the configuration time, is different from the entry in vfstab[.pcl] file, <Bdev>. Use the one in the vfstab[.pcl].

Content:

Information message.

Corrective action:

No action is required.

WARNING To avoid a possible deadlock situation, Application <application> cannot be brought Online due to Application <application> already coming <intended state>. <application> has LicenseToKillWait=yes set.

Content:

Information message.

Corrective action:

No action is required.

WARNING Trouble with <interface>, recovering ...

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Online due to Application <application> being in Faulted State. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Online due to Application <application> being still in Wait State. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Online due to Application <application> going Online. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Online due to Application <application> is probably going to start. <application> belongs to the same set as <application> and has a higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Standby due to Application <application> being in Online State. <application> belongs to the same set as <application> and has lower or higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING Application <application> cannot be brought Standby due to Application <application> going Online. <application> belongs to the same set as <application> and has lower or higher priority.

Content:

Information message.

Corrective action:

No action is required.

WARNING <application> could not determine its own AutoBreak value. Assuming a value of <break value> ...

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING <command> called without any application sequence.

Content:

Information message.

Corrective action:

No action is required.

WARNING <hv_ipalias-u> called without any ipname.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING <interface> is already configured, but no hosts were successfully pinged.

Content:

Information message.

Corrective action:

No action is required.

WARNING <interface> is already configured, but not with the requested address IpAddress.

Content:

Information message.

Corrective action:

No action is required.

WARNING <interface> was already configured with a different address.

Content:

Information message.

Corrective action:

No action is required.

WARNING <path>/<config>.apps does not exist. No processing of application priorities is possible!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

WARNING: doopenread of mount-device (pid xxx),counter=x not done yet reporting status, waiting ...

Content:

This message indicates a monitoring result of Fsystem resources that a system call, which is called for devices on the mountpoint, did not return within the specified time.

Corrective action:

When the counter value is within 1 to 3, a temporary I/O load may exist. In this case, no corrective action is required.

When the counter value is larger than 3, take following actions.

- If a high load processing is ongoing at times when this message is displayed, review the operation and the configuration.
- Tune the monitoring interval of file systems.
- For Linux, prepare a disk device for monitoring.

WARNING: *dostat of mount-point (pid xxxx),counter=x not done yet reporting status, waiting ...*

Content:

This message indicates a monitoring result of Fsystem resources that a system call, which is called for devices on the mountpoint, did not return within the specified time.

Corrective action:

When the counter value is within 1 to 3, a temporary I/O load may exist. In this case, no corrective action is required.

When the counter value is larger than 3, take following actions.

- If a high load processing is ongoing at times when this message is displayed, review the operation and the configuration.
- Tune the monitoring interval of file systems.
- For Linux, prepare a disk device for monitoring.

WARNING: *failed to ascertain share status for <mount> within <maxretry> try/tries*

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: *failed to open/read <tempfile> within <maxretry> try/tries.*

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: *failed to popen <mount> within <maxretry> try/tries.*

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: *failed to popen <mount> within <retries> try/tries*

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: failed to stat <mount> within <maxretry> in try/tries.

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: failed to stat <mount> within <retries> try/tries

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: failed to write tempfile <file>, with return code <return>

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: failed to write tempfile <tempfile> within <maxretry> try/tries

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: If the major/minor device numbers are not the same on all cluster hosts, clients will be required to remount the file systems in a failover situation!

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

WARNING: ip addr add <ipaddress>/<netmask> failed (<errorcode>).

Content:

Failed to add an interface allocated for a takeover IP address.

Corrective action:

Configure the interface allocated for the takeover IP address to be usable.

WARNING: ip link set dev <interface> up failed (<errorcode>).

Content:

Failed to start an interface allocated for a takeover IP address.

Corrective action:

Configure the interface allocated for the takeover IP address to be usable.

WARNING: <mountpoint>, counter=<retrycount> not done yet reporting status, waiting ...

Content:

Information message.

Corrective action:

No action is required.

WARNING: <resource > is mounted and the NFS server is not reachable, so returning offline because mounted read only or application is non-switchable or NFS server under RMS control.

Content:

Although the resource *resource* is mounted, it cannot reach NFS server. Detector has returned off line, as it is ReadOnly or switchover disabled application or the NFS server is under RMS control.

Corrective action:

This is the information output before Rfs resource returns offline. Although it is displayed immediately before switchover, no action is required.

WARNING: Root access is essential for most functionality!

Content:

The hvw command should be executed as a root user.

Corrective action:

Exit the hvw command and then execute the command again as a root user.

WARNING: stat of <mountpoint> failed

Content:

Information message.

This means that the stat() system call to <mountpoint> failed in the check processing of the Fsystem resource.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

In either of the following cases, this message might be output when RMS starts up, then no action is required because this does not affect other processes that are operated by the system.

- <mountpoint> is under the mount point controlled by other Fsystem resource.
- There is no directory of <mountpoint> in the system.

WARNING: status processing timed out, returning previous state <state>

Content:

Information message.

Corrective action:

No action is required.

WARNING: hvnfsrestart: The IpAddress <Ipaddress Resource> failed to reach the state Offline in a safe time limit of 180 seconds. This may be a potential problem later.

Content:

The IP address resource *<IpAddress Resource>* did not become Offline state within 180 seconds.

Corrective action:

Take following actions depending on the status of userApplications when before and after this message was output.

- When user Applications, including GIs resources or takeover network resources, are normally in Offline state or Standby state.
No corrective action is required.
- When userApplications are not in Offline state and an RMS error message is output.
Follow the RMS error message to take a corrective action.

6.2.3 ERROR Messages

Error (ERROR or FATAL ERROR) messages that are displayed during RMS wizard execution are explained.

**ERROR: /opt/SMAW/bin/hvawsipalias: External command failed. exit=<exit_code>
detail=<aws_command options>**

Content:

This is a message indicating that the aws command *<aws_command options>* has ended abnormally with the exit code *<exit_code>* during network takeover in an AWS environment.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, refer to "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: /opt/SMAW/bin/hvawsipalias: Invalid configuration file. file=<config>,KeyName=<KeyName>

Content:

This is a message indicating that required items are not set in the configuration file for network takeover in an AWS environment.

Corrective action:

If the cluster application is in the Faulted state, clear the Fault using the RMS main window or the -c option of the hvutil command.
After that, set the necessary items in the configuration file for network takeover in an AWS environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

After updating the configuration file for network takeover, execute the hvawschkconf(8) command and make sure that the contents of the configuration file are correct.

If the value of RELIANT_HOSTNAME is changed by mistake, this message will be output and a resource failure will occur. In this case, correct it to the correct value.

For more information on RELIANT_HOSTNAME, refer to "Local environment variables" in "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide."

ERROR: /opt/SMAW/bin/hvawsipalias: Invalid configuration file. file=<config>,Mode=<Mode>

Content:

This is a message indicating that required modes (ROUTE, DNS, and ELASTIC) are not set in the configuration file for network takeover in an AWS environment.

Corrective action:

If the cluster application is in the Faulted state, clear the Fault using the RMS main window or the -c option of the hvutil command.
After that, set the mode for one of the architectural patterns: ROUTE, DNS, or ELASTIC in the configuration file for network takeover in an AWS environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

After updating the configuration file for network takeover, execute the hvawschkconf(8) command and make sure that the contents of the configuration file are correct.

ERROR: /opt/SMAW/bin/hvawsipalias: IpAddress not found in the <file>.

Content:

This is a message indicating that the IpAddress is not found in a JSON format file <file> that updates DNS during network takeover in an AWS environment.

Corrective action:

If the cluster application is in the Faulted state, clear the Fault using the RMS main window or the -c option of the hvutil command.

For details on a record file (JSON format) to update DNS, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: /opt/SMAW/bin/hvawsipalias: Multiple KeyNames are defined. KeyName=<KeyName>

Content:

This is a message indicating that multiple KeyNames are defined for the same CF node name in the configuration file for network takeover in an AWS environment.

Corrective action:

If the cluster application is in the Faulted state, clear the Fault using the RMS main window or the -c option of the hvutil command.

Multiple KeyNames cannot be defined for the same CF node name in the configuration file for network takeover in an AWS environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

After updating the configuration file for network takeover, execute the hvawschkconf(8) command and make sure that the contents of the configuration file are correct.

ERROR: /opt/SMAW/bin/hvawsipalias: The configuration file <config> does not exist.

Content:

This is a message indicating that the configuration file <config> does not exist during network takeover in an AWS environment.

Corrective action:

If the cluster application is in the Faulted state, clear the Fault using the RMS main window or the -c option of the hvutil command.

After that, create the configuration file for network takeover in an AWS environment.

For how to create the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

After creating the configuration file for network takeover, execute the hvawschkconf(8) command and make sure that the contents of the configuration file are correct.

ERROR: /opt/SMAW/bin/hvazurenic: Failed to add secondary IP address <ipaddress>

Content:

This message indicates that an attempt to add a secondary IP address to a virtual machine network interface in the network takeover in an Azure environment failed.

Corrective action:

The Azure CLI cannot be executed.

The following settings may be incorrect.

- The Azure resource information in the hvazurenicconfig file is incorrect.
- The service principal role does not have the required privileges.
- Secondary IP address is already in use by another virtual machine.

ERROR: /opt/SMAW/bin/hvazurenic: Invalid configuration file. file=<config>

Content:

This is a message indicating that required items are not set in the configuration file for network takeover in an Azure environment.

Corrective action:

The definition file <config> may have the following incorrect setting.

Correct any errors.

- File not created
- Authority error
- Insufficient number of parameters
- The takeover IP address is not specified in IPv4.

ERROR: /opt/SMAW/bin/hvscsireserve preempt-abort failed. prekey is <prekey>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: /opt/SMAW/bin/hvscsireserve --read-keys failed. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

ERROR: /opt/SMAW/bin/hvscsireserve --read-reservation failed. Return code <code>. stdout is :

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: /opt/SMAW/bin/hvscsireserve --read-reservation succeeded, but cannot get key. stdout is :

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: /opt/SMAW/bin/hvscsireserve reserve failed. key is <key>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: appOnlineOrWait: fork() failed: <errmsg>

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR Avoid data corruption and abort the amount action to prevent a failover

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR: az login failed. AppID=<AppID>, TenantID=<TenantID>, CertPath=<CertPath>

Content:

This is a message indicating that authentication of the service principal failed during network takeover in an Azure environment.

Corrective action:

Check that the service principal authentication information (*AppID*, *TenantID*, *CertPath*) described in the configuration file for network takeover in an Azure environment is the correct combination.

The command result of the Azure CLI is output as a standard output to [note].

If the service principal authentication information (*AppID*, *TenantID*, *CertPath*) is correct but an error occurs, check the Azure environment based on the information of [note].

ERROR Cannot able to determine zpool version.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR Cannot create directory <mountpoint>.

Content:

This error message indicates that a directory to which a Filesystem is mounted cannot be created.

Corrective action:

- Solaris

Check if a path in which a directory is created exists. If enough area exists, create a new directory.

- Linux

When Gds resources are registered in the cluster application and the MonitorOnly attribute is set in Fsystem resources, check if the following message is output in the system log at the time of the Offline processing immediately before the cluster application.

```
ERROR: REASON: failed to execute script <OfflineScript> with resource
<Fsystem resource name>: Exited with a non-zero code: code
```

If the above message is output, restart the system to recover it from the faulted state.

If the message is output under any condition other than the above, check if a path in which a directory is created exists. If enough area exists, create a new directory.

ERROR Cannot create symlink <mountpoint>.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR: cannot get any disk for Persistent Reservation in blockdevice

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

Check the following:

- Whether Gds resources or Fsystem resources are included in the cluster application.
- Whether there are no errors in the entries of /etc/fstab.pcl file (for Linux), or /etc/vfstab.pcl file (for Solaris).

When the resource failed and this message is displayed even without any problems with the above confirmation, collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR cannot read alias file <alias_file>.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR Cannot recreate NFS symbolic link <mountpoint> to <entry>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR cannot remove existing directory <mountpoint> to make symbolic link <mountpoint>.

Content:

The existing directory <mountpoint> cannot be removed. A symbolic link <mountpoint> cannot be created.

Corrective action:

Check if the directory <mountpoint> can be removed. The directory cannot be removed when files and sub directories exist in it, for example.

ERROR cannot remove existing symbolic link <mountpoint>.**Content:**

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR: CF is not running.**Content:**

This is a message indicating that CF is not running.

Corrective action:

[In an AWS environment]

Execute the hvawschkconf (8) command to check the configuration file for network takeover in an AWS environment after setting the initial configuration of PRIMECLUSTER.

[In an Azure environment]

Execute the hvazurechkconf (8) command to check the configuration file for network takeover in an Azure environment after setting the initial configuration of PRIMECLUSTER.

If CF is not set, refer to "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide" and set CF. If CF is already set, start CF.

For how to start CF, refer to "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

ERROR: CF node name not found in the configuration file. file=<config>**Content:**

This is a message indicating that the CF node name to be checked is not found in the configuration file for network takeover in an AWS environment or an Azure environment.

Corrective action:

[In an AWS environment]

The configuration file <config> for network takeover in an AWS environment is checked using the hvawschkconf (8) command based on the CF node name of the local node. Set the valid CF node name.

Use the cftool -l command to check the CF node name of the local node.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

[In an Azure environment]

The configuration file <config> for network takeover in an Azure environment is checked using the hvazurechkconf (8) command based on the CF node name of the local node. Set the valid CF node name.

Use the cftool -l command to check the CF node name of the local node.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: check_getbdev: fork() failed: <errmsg>**Content:**

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: checkReservation <disk> <reservation_key> <option> failed

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: "<command>" exited with code <state>

Content:

The command <command> exited with the code <state>.

Corrective action:

To take a corrective action, check why the command <command> exited with the code <state>.

ERROR: could not parse server name for mount point <mount>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR Create <ipaddress> on interface <interface> failed. Out of alias slots.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR: device <device> in /etc/fstab.pcl is not supported

Content:

This message indicates that the entered device name in /etc/fstab.pcl is not in the correct format.

Corrective action:

Enter any of the following formats of device name for /etc/fstab.pcl:

- When using GDS
 - /dev/sfdsk/<disk_class_name>/dsk/<volume_name>
- Without using GDS
 - /dev/disk/by-id/ *name*
 - /dev/disk/by-path/ *name*
 - LABEL=<file_system_label_name>
 - UUID=<file_system_UUID>

- /dev/sd name

For details on the formats of available device name, see "Linux User's Manual" depending on the OS version to be used.

ERROR: Disk device for I/O fencing can not be found**Content:**

This message indicates the processing state of I/O fencing function.

Corrective action:

Check the following:

- Whether Gds resources or Fsystem resources are included in the cluster application.
- Whether there are no errors in the entries of /etc/fstab.pcl file (for Linux), or /etc/vfstab.pcl file (for Solaris).

When the resource failed and this message is displayed even without any problems with the above confirmation, collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: doCheckReservation <option> failed. Return code <code>**Content:**

This message indicates the processing state of I/O fencing function.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: doopenread: fork() failed: <errmsg>**Content:**

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: dopopen: fork() failed: <errmsg>**Content:**

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: doRelease <option> failed. Return code <code>**Content:**

This message indicates the processing state of I/O fencing function.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: doReserve <option> failed. Return code <code>**Content:**

This message indicates the processing state of I/O fencing function.

Corrective action:

When the resource failed after this message was output, collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: dostat: fork() failed: <errmsg>

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR e2fsck -p <device> failed with error code <code>

Content:

The e2fsck -p command failed when it was executed in the Online processing of an Fsystem resource.

<device>: The name of a device on which a file system is allocated

<code>: The return value of the e2fsck -p command

Corrective action:

- An Fsystem resource failure does not occur
No corrective action is required.
- An Fsystem failure occurred. Operations can continue after userApplications are switched
Use hvutil command to clear the Faulted state.
- An Fsystem failure occurred. Operations cannot continue
Use hvutil command to clear the Faulted state, and then shut down all the RMS in which the faulty Fsystem resource is registered.
Follow the "Red Hat Enterprise Linux fsck/e2fsck message guide" to restore the file system.
After the file system is restored, start RMS and restart the operations.
If the file system cannot be restored by above actions, contact field engineers.

ERROR: Failed to access disk <disk>.

Content:

Access to the disk by the I/O fencing function failed.

Corrective action:

Check if there is a storage connection error or storage failure.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: Failed to check AWS resource ID. id=<ID>

Content:

This is a message indicating that the AWS resource ID described in the configuration file for network takeover in an AWS environment failed to be checked.

Corrective action:

Use the AWS Management Console to check if the value of the AWS resource ID is correctly described in the configuration file for network takeover in an AWS environment.

The command result of AWS CLI is output as a standard output to [note].

If the value of the AWS resource ID is correct but the command ends with error, check the AWS environment based on the information of [note].

Output example: When the resource ID does not exist in an AWS environment

```
[1.problem]
ERROR: Failed to check AWS resource ID. id=<ID>

[note]
An error occurred (InvalidNetworkInterfaceID.NotFound) when calling the DescribeNetworkInterfaces
operation: The networkInterface ID 'eni-<id>' does not exist.
=====
```

ERROR: Failed to check Azure Resource Group. Resource Group=<value>

Content:

This is a message indicating that the resource group of the Azure resource group described in the configuration file for network takeover in an Azure environment failed to be checked.

Corrective action:

The command result of the Azure CLI is output as a standard output to [note].

Check the Azure environment based on the information of [note].

ERROR: Failed to check Azure resource ID. id=<ID>

Content:

This is a message indicating that the resource ID of the Azure virtual router described in the configuration file for network takeover in an Azure environment failed to be checked.

Corrective action:

Check on the Azure portal whether the resource ID of the Azure virtual router described in the configuration file for network takeover of the Azure environment is the correct value.

The command result of Azure CLI is output as a standard output to [note].

If the value of the resource ID of the Azure virtual router is correct but the command ends with error, check the Azure environment based on the information of [note].

Output example) When the resource ID does not exist in an Azure environment

<Resource_Group> refers to the Azure resource group name.

```
[1.problem]
ERROR: Failed to check Azure resource ID. id=<ID>

[note]
The Resource '<ID>' under resource group '<Resource_Group>' was not found.
=====
```

ERROR Failed to mount <Zname> on <Zmountpoint>. Return code <RetCode>.

Content:

Mounting of the data set <Zname> to the mount point <Zmountpoint> has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR Failed to ping <nfsserver>

Content:

Communication with the NFS server *<nfsserver>* failed.

Corrective action:

Check if communication with the NFS server *<nfsserver>* is possible.

ERROR Failed to share *<Zname>*. *<Output>*. Return code *<RetCode>*.

Content:

Sharing of data set *<Zname>* has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: get SCSIdevice failed. opt is *<option>*. Return code *<code>*

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

Check the following:

- Whether Gds resources or Fsystem resources are included in the cluster application.
- Whether there are no errors in the entries of /etc/fstab.pcl file (for Linux), or /etc/vfstab.pcl file (for Solaris).

When the resource failed and this message is displayed even without any problems with the above confirmation, collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: getSCSIdevice failed. opt is *<option>*. Return code *<code>*

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

Check the following:

- Whether Gds resources or Fsystem resources are included in the cluster application.
- Whether there are no errors in the entries of /etc/fstab.pcl file (for Linux), or /etc/vfstab.pcl file (for Solaris).

When the resource failed and this message is displayed even without any problems with the above confirmation, collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR hv_nfs-c/hv_nfs-v called without any mount point.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR *<hv_nfs-c/u>* cannot determine OldMountType.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR <hv_nfs-c/u> <mountpoint> already has local filesystem mounted on it.

Content:

Information message.

Corrective action:

No action is required.

ERROR <hv_nfs-c/u> <mountpoint> is a symbolic name and its target already has local filesystem mounted on it.

Content:

Information message.

Corrective action:

No action is required.

ERROR <hv_nfs-c/u> <mountpoint> is a symbolic name and its target already has NFS filesystem mounted on it.

Content:

Information message.

Corrective action:

No action is required.

ERROR <hv_nfs-c> <mountpoint> already has NFS filesystem mounted on it.

Content:

Information message.

Corrective action:

No action is required.

ERROR: Illegal variable in getReadKeys. disk is <disk>. opt is <option>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: Illegal variable. disk is <disk>. key is <key>. opt is <option>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: Illegal variable. disk is <disk>. opt is <option>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: Incorrect KeyName is set. KeyName=<KeyName>

Content:

This is a message indicating that an incorrect KeyName is set in the configuration file for network takeover in an AWS environment or an Azure environment.

Corrective action:

[In an AWS environment]

For KeyName described in the configuration file for network takeover in an AWS environment, describe the ID of up to 16 letters and numbers. KeyName is case-sensitive.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

[In an Azure environment]

For KeyName described in the configuration file for network takeover in an Azure environment, describe the ID of up to 16 letters and numbers. KeyName is case-sensitive.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: Invalid configuration file. file=<config>

Content:

This is a message indicating that required items are not set in the configuration file for network takeover in an Azure environment.

Corrective action:

Set the necessary items in the configuration file for network takeover in an Azure environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: Invalid configuration file. file=<config>, KeyName=<KeyName>

Content:

This is a message indicating that required items are not set in the configuration file for network takeover in an AWS environment.

Corrective action:

Set the necessary items in the configuration file for network takeover in an AWS environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: Invalid configuration file. file=<config>, KeyName=<KeyName>

Content:

This is a message indicating that required items are not set in the configuration file for network takeover in an Azure environment.

Corrective action:

Set the necessary items in the configuration file for network takeover in an Azure environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: Invalid configuration file. file=<config>,Mode=<Mode>

Content:

This is a message indicating that required modes (ROUTE, DNS, and ELASTIC) are not set in the configuration file for network takeover in an AWS environment.

Corrective action:

Set the mode for one of the architectural patterns: ROUTE, DNS, or ELASTIC in the configuration file for network takeover in an AWS environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: Invalid configuration file. file=<config>, Mode=<Mode>

Content:

This is a message indicating that the required mode (ROUTE) is not set in the configuration file for network takeover in an Azure environment.

Corrective action:

Set ROUTE to the mode specified in the configuration file for network takeover in an Azure environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR Invalid MAC Address <macaddr> for the interface <interface> Valid format is fld:fld:fld:fld:fld:fld where fld matches pattern "[0-9a-z][0-9a-z]"

Content:

The invalid MAC address is set in the /usr/opt/reliant/etc/hvipalias file.

Corrective action:

Set the valid characters for the MAC address in the /usr/opt/reliant/etc/hvipalias file.

See "Setting Up Resources" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" or "PRIMECLUSTER Installation and Administration Guide (Linux)" for details.

ERROR: IP address does not match with Takeover network resource.

Content:

This message indicates that the IP address of hvazurenicconfig and the takeover IP address do not match in the network takeover of the Azure environment.

Corrective action:

Make sure the IP address specified in the definition file for network takeover in the Azure environment matches the IP address associated with the host name in the hvipalias file.

ERROR: key is <key>. opt is <option>. disk is <disk>. Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

ERROR Lost <mountpoint>, about to re-configure

Content:

Information message.

Corrective action:

No action is required.

ERROR Lost <ZfsMountPoint>, about to reconfigure ...

Content:

Information message.

Corrective action:

No action is required.

ERROR Lost <ZpoolName>, about to reconfigure ...

Content:

Information message.

Corrective action:

No action is required.

ERROR <mountpoint> cannot be a mount point.

Content:

A file system cannot be mounted on the mountpoint <mountpoint>.

Corrective action:

Check if the file system can be mounted on the mountpoint <mountpoint>.

ERROR <mountpoint> is not of type nfs.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR: Multiple KeyNames are defined. KeyName=<KeyName>

Content:

This is a message indicating that multiple KeyNames are defined for the same CF node name in the configuration file for network takeover in an AWS environment or an Azure environment.

Corrective action:

[In an AWS environment]

Multiple KeyNames cannot be defined for the same CF node name in the configuration file for network takeover in an AWS environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

[In an Azure environment]

Multiple KeyNames cannot be defined for the same CF node name in the configuration file for network takeover in an Azure environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: Multiple modes are set to a single KeyName. KeyName=<KeyName>,Mode=<Mode1,Mode2>

Content:

This is a message indicating that multiple architectural pattern modes are set to a single KeyName in the configuration file for network takeover in an AWS environment.

Corrective action:

Multiple architectural pattern modes cannot be set to a single KeyName in the configuration file for network takeover in an AWS environment.

For the KeyNames paired in the standby configuration, specify the same architectural pattern mode.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: NIC name does not exist. NIC name=<value>

Content:

This is a message indicating that the NIC name described in the configuration file for network takeover in an Azure environment does not exist.

Corrective action:

Check on the Azure portal whether the NIC name of the Azure described in the configuration file for network takeover of the Azure environment is the correct value.

ERROR One or more ZFS file systems not mounted. Online processing of <ZpoolName> failed.

Content:

One or more ZFS files are not mounted. Online processing of ZFS storage pool <ZpoolName> has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR One or more zfs mountpoint directories is mounted. <Output>. Cannot import zpool <ZpoolName>.

Content:

One or more ZFS mount point directories are mounted. ZFS storage pool <ZpoolName> can not be imported.

Corrective action:

This event occurs when the zfs data set on the ZFS storage pool <ZpoolName> is mounted by the settings of other than PRIMECLUSTER. Unmount the zfs data set on <ZpoolName>.

ERROR One or more zfs mountpoint directories is shared. <Output>. Cannot import zpool <ZpoolName>.**Content:**

One or more ZFS mount point directories are shared. ZFS storage pool <ZpoolName> can not be imported.

Corrective action:

This event occurs when the zfs data set on the ZFS storage pool <ZpoolName> is shared by the settings of other than PRIMECLUSTER. Unshare the zfs data set on <ZpoolName>.

ERROR Only legacy ZFS mount points are supported.**Content:**

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: opt is <option>. disk is <disk>. Return code <code>**Content:**

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

ERROR: popen: fork() failed: <errmsg>**Content:**

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: probing of device <mount> failed <errorno>**Content:**

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: Request rejected: userApplication is in Maintenance Mode! - <application>**Content:**

The hvswitch was rejected because <application> is in Maintenance Mode.

Corrective action:

Bring the <application> out of Maintenance Mode, then execute the hvswitch.

ERROR: Resource Group does not exist. Resource Group=<value>**Content:**

This is a message indicating that the resource group described in the configuration file for network takeover in an Azure environment does not exist.

Corrective action:

Make sure the Azure portal whether the resource group of the Azure described in the configuration file for network takeover of the Azure environment is the correct value.

ERROR Restart <command args>

Content:

Information message.

Corrective action:

No action is required.

ERROR: Return code <code>

Content:

This message indicates the processing state of I/O fencing function.

Corrective action:

No action is required.

ERROR: server <nfserver> is not responding

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR Testing i/o on <mountpoint> failed.

Content:

I/O processing to the mounted Filesystem failed.

Corrective action:

Check if the mountpoint can be accessed.

ERROR: The certificate file <certificate_file_path> does not exist.

Content:

This is a message indicating that the certificate file <certificate_file_path> of the service principal does not exist during network takeover in an Azure environment.

Corrective action:

Place the certificate file of the service principal in the file path specified in CertPath described in the configuration file for network takeover in an Azure environment.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

**ERROR: The combination of Instance and its IP address is invalid.
InstanceIPAddress=<VirtualMachineIPAddress>, InstanceID=<ResourceID>**

Content:

This is a message indicating that the virtual machine IP address <VirtualMachineIPAddress> has not been allocated to the virtual machine <ResourceID> that configures the cluster on Azure.

Corrective action:

Check the combination of *<ResourceID>* and the IP address of the virtual interface *<VirtualMachineIPAddress>* on the Azure portal.
Set a virtual *VirtualMachineIPAddress* in the configuration file for network takeover based on the virtual machine.
For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: The configuration file *<config>* does not exist.

Content:

This is a message indicating that the configuration file *<config>* does not exist during network takeover in an AWS environment or an Azure environment.

Corrective action:

[In an AWS environment]

Create the configuration file for network takeover in an AWS environment.

For how to create the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

[In an Azure environment]

Create the configuration file for network takeover in an Azure environment.

For how to create the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: The ENIID and Instance do not match. ENIID=*<ENIID>*, Instance-ID=*<Instance-ID>*

Content:

This is a message indicating that *<Instance-ID>* that configures the cluster and *<ENIID>* of the virtual interface do not match in the configuration file for network takeover in an AWS environment.

Corrective action:

Use the AWS Management Console to check the combination of *<Instance-ID>* and *<ENIID>* of the virtual interface.

Based on the instance, set ENIID in the configuration file for network takeover.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: The RMS file system /opt/SMAW/SMAWRrms is full. Proper RMS operation, including this detector can no longer be guaranteed! Please make space in the file system.

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR: The RMS file system /opt/SMAW/SMAWRrms is full. The detector can no longer function properly and the stat routine will report (perhaps incorrectly) ok, as long as the condition persists!

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR There are no interfaces defined for <host> <interface> in <ipconffile>.

Content:

This message indicates that the network interface <interface> for the host <host> does not exist in the /usr/opt/reliant/etc/hvipalias file.

Corrective action:

Check if the network interface <interface> is usable.

ERROR There is no address defined for <interface> in <hostsfile>.

Content:

This message indicates that the required IP address entry does not exist in the /etc/hosts file.

Corrective action:

Add the required IP address entry to the /etc/hosts file.

ERROR There is no address defined for <interfacename> in <hostsfile>.

Content:

This message indicates that the required node entry does not exist in the /etc/hosts file.

Corrective action:

Add the required node entry to the /etc/hosts file.

ERROR There is no entry of mount point <mount point> of type <value>.

Content:

This message indicates that no required entries for the file system to be mounted exist in the /etc/[v]fstab[.pcl] file.

Corrective action:

Add the required entries to the /etc/[v]fstab[.pcl] file.

ERROR There is no generic driver for <interfacename>.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR There is no interface <interface> in <path>, aborting startup.

Content:

This message indicates that the required takeover IP address does not exist in the /usr/opt/reliant/etc/hvipalias file.

Corrective action:

Add the required takeover IP address to the /usr/opt/reliant/etc/hvipalias file.

ERROR There is no interface <value> in /etc/hosts, aborting startup.

Content:

This message indicates that the required node entry does not exist in the /etc/hosts file.

Corrective action:

Add the required node entry to the /etc/hosts file.

ERROR There is no netmask or prefix defined for <host> <interface> in <ipconffile>.**Content:**

This message indicates that the required Netmask entry (for IPv4) or the Prefix entry (for IPv6) does not exist in the /usr/opt/reliant/etc/hvipalias file.

Corrective action:

Add the required Netmask entry (for IPv4) or the Prefix entry (for IPv6) to the /usr/opt/reliant/etc/hvipalias file.

ERROR There is no or no valid netname for <interfacename> in <hostsfile>.**Content:**

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR There is no RMS entry for shared file system <mount point> in <path>.**Content:**

This message indicates that no required entries for the file system to be mounted exist in the following files.

- Solaris
/etc/dfs/dfstab[.pcl]
- Linux
/etc/exports[.pcl]

Corrective action:

Add the required entries to the above files.

See "Setting Up Resources" in "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" or "PRIMECLUSTER Installation and Administration Guide (Linux)" for details.

ERROR There is no RMS entry for <mountpoint> in <fstab>.**Content:**

This message indicates that no required entries for the file system to be mounted exist in the <fstab> file.

Corrective action:

Add the required entries to the <fstab> file.

ERROR There is no RMS entry for <mountpoint> in <dfstab>.**Content:**

This message indicates that no required entries for the file system to be mounted exist in the /etc/dfs/dfstab[.pcl] file (for Solaris) or the /etc/exports[.pcl] file (for Linux).

Corrective action:

Add the required entries to the /etc/dfs/dfstab[.pcl] file (for Solaris) or the /etc/exports[.pcl] file (for Linux).

ERROR There is no RMS entry for <ZfsMountPoint> in <Vfstab> for zpool <ZpoolName>.**Content:**

This message indicates that there is no entry for the ZFS storage pool <ZpoolName> in the <Vfstab> file.

Corrective action:

Add necessary entries to the <Vfstab>file.

ERROR There is no script <path>/hv_<value>-<value>, returning FALSE.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR Timeout configuring <mountpoint>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout deconfiguring <mountpoint>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout in <command>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR Timeout in hvexec during precheck phase.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR Timeout in hv_filesys-c

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout in hv_filesys-u

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout in hv_ipalias-c.

Content:

The Online processing or the Offline processing of a takeover network resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout in hv_ipalias-u.

Content:

The Online processing or the Offline processing of a takeover network resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout in hv_zfs-c

Content:

The Online processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout in hv_zfs-u

Content:

The Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing Fuser <mountpoint>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing Fuser <ZfsMountPoint>

Content:

The Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing ifadmin -d <ipaddress>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR Timeout processing umount <mountpoint>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing UmountFS <option>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing UmountFS <umountoptions> <target>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing UmountFS <ZfsPoolName>.

Content:

The Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing ZfsFuser <ZpoolMountPoint>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing zpool export <ZpoolName>

Content:

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout while importing <ZpoolName>.

Content:

The Online processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout while mounting <ZfsMountPoint>

Content:

The Online processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout while mounting zfs mounts for <ZpoolName>.**Content:**

The Online processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout while processing Fuser <ZfsMountPoint>**Content:**

The Online processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout while processing UmountFS -L <mountpoint>**Content:**

The Online processing or the Offline processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout processing <fuser/Isosf> -s <nfserver> <mountpoint>**Content:**

A script times out during unmount processing of <MountPoint>.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR Timeout while processing temporary mount**Content:**

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

ERROR Timeout while zpool import <ZpoolName>.**Content:**

The Online processing of a file system resource times out.

Corrective action:

Check if the script timeout value and the expected value are the same. If these values are different, set the expected value.

When the processing time times out beyond the expected value, investigate the cause of timeout. If the problem cannot be identified, collect information for an investigation. Then, contact field engineers.

ERROR: Undefined CF node name is set. CF node name=<CF>

Content:

This is a message indicating that an undefined CF node name is set in the configuration file for network takeover in an AWS environment or an Azure environment.

Corrective action:

[In an AWS environment]

Set the valid CF node name that configures the cluster in the configuration file for network takeover in an AWS environment. Use the `cftool -n` command to check the valid CF node name.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 4 AWS Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

[In an Azure environment]

Set the valid CF node name that configures the cluster in the configuration file for network takeover in an Azure environment. Use the `cftool -n` command to check the valid CF node name.

For how to set the configuration file for network takeover, refer to "Building the Cluster Application for Network Takeover" in "Part 5 Azure Environment" in "PRIMECLUSTER Installation and Administration Guide Cloud Services."

ERROR: unknown interface <interface>

Content:

Information message.

Corrective action:

When a resource failure has occurred after this message was output, contact field engineers.

ERROR Wrong file system type <Type> for <ZfsMountPoint> in <Vfstab>.

Content:

This message indicates that the type of the file system to be mounted is not configured as `zfs` in the `<Vfstab>` file.

Corrective action:

In the `<Vfstab>` file, change the file system type to `zfs`.

ERROR: xfs_repair <device> failed with error code <code>.

Content:

The `xfs_repair` command failed when it was executed in the Online processing of an Fsystem resource.

`<device>`: The name of a device on which a file system is allocated

`<code>`: The return value of the `xfs_repair` command

Corrective action:

- An Fsystem failure occurred. Operations can continue after userApplications are switched
- Use `hvutil` command to clear the Faulted state.

- An Fsystem failure occurred. Operations cannot continue

Use hvutil command to clear the Faulted state, and then shut down all the RMS in which the faulty Fsystem resource is registered. Then, restore the file system.

After the file system is restored, start RMS and restart the operations.

If the file system cannot be restored by above actions, contact field engineers.

ERROR zpool name cannot contain '/

Content:

The name of ZFS storage pool can not include "/".

Corrective action:

Set a correct name of ZFS storage pool in /etc/vfsatb.pcl.

FATAL: cannot get any disk for Persistent Reservation in diskclass <classlist>

Content:

Cannot retrieve disk for Persistent Reservation.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: cannot get any disk for Persistent Reservation in diskclass <diskclass>

Content:

Failed to get any disk for Persistent Reservation.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: exit because child process returned <lyingretries> times with signal <signal>

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: shutting down RMS!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: <Resource> cannot allocate a memory for azpool_t structure.

Content:

This message indicates that the memory allocation has failed.

Corrective action:

Determine why OS memory is depleted resulting in memory allocation failures.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: <Resource> cannot initialize the cmdjob for zfs list.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: <Resource> cannot initialize the cmdjob for zpool list.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: <resource> could not open the hvgdconfig file <file>. This error must be corrected before RMS will successfully start!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: <resource> does not have an entry in the hvgdconfig file. This error must be corrected before RMS will successfully start!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: <Resource> does not have an entry for zpool name in the hvgdconfig file. This error must be corrected for RMS to start.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: The detection for unknown resource has been requested. shutting down RMS!

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: The zfs detector (pid = <Pid>) could not allocate the context structure for the resource <Resource> because of malloc failure.

Content:

This message indicates that the memory allocation has failed.

Corrective action:

Determine why OS memory is depleted resulting in memory allocation failures.

If the error remains unsolved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: The zfs detector (pid = <Pid>) could not find detector configuration file <File> for the resource <Resource>.

Content:

An internal error occurred in the RMSWT program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

6.3 Console Error Messages

This section explains RMS error messages that are displayed on the console.

Messages are explained in the alphabetical order.



Italic words indicated in messages are replaced with actual values, names, or character strings.

So, be careful when searching a message that begins with italic characters.

/etc/rc3.d/S99RMS: NOTICE: RMS configuration file not exist or not readable - RMS not starting.

Content:

RMS cannot be started, as RMS configuration file does not exist or cannot be read.

Corrective action:

If a system has not created any userApplication even once, no action is required even if this message is displayed. If this message is printed although userApplication was created, check the RMS configuration file.

1.doopenread WARNING

WARNING: doopenread of *mount-device* (pid *xxxx*), counter=*x* not done yet reporting status, waiting ...

2.doopenread NOTICE

NOTICE: doopenread of *mount-device* (pid *xxxx*), counter=*x* not done yet reporting status, waiting ...

3.dostat WARNING

**WARNING: dostat of *mount-point* (pid *xxxx*),
counter=*x* not done yet reporting status, waiting ...**

4.dostat NOTICE

**NOTICE: dostat of *mount-point* (pid *xxxx*),
counter=*x* not done yet reporting status, waiting ...**

Content:

This message indicates a monitoring result of Fsystem resources that a system call, which is called for devices on the mountpoint, did not return within the specified time.

Corrective action:

When the counter value is within 1 to 3, a temporary I/O load may exist. In this case, no corrective action is required.

When the counter value is larger than 3, take following actions.

- If a high load processing is ongoing at times when this message is displayed, review the operation and the configuration.
- Tune the monitoring interval of file systems.
- For Linux, prepare a disk device for monitoring.

Assertion condition failed.

Content:

If hvassert fails during use of -f or -F option, this message is printed and hvassert exits with the exit code 1.

Corrective action:

No action is required.

BEWARE: 'hvshut -f' may break the consistency of the cluster. No further action may be executed by RMS until the cluster consistency is re-established. This re-establishment includes restart of RMS on the shut down host. Do you wish to proceed?(yes = shut down RMS / no = leave RMS running).

Content:

This is a message to ask a user to execute hvshut -f or to exit. Choose "yes" to continue. Choose "no" to exit.

Corrective action:

Respond to the prompt.

Be careful as data consistency may be lost or data may be broken if hvshut -f is used.

BEWARE: the hvreset command will result in a reinitialization of the graph of the specified userApplication. This affects basically the RMS state engine only. The re-initialization does not mean, that activities invoked by RMS so far will be made undone. Manual cleanup of halfway configured resources may be necessary. Do you wish to proceed?(yes = reset application graph / no = abort hvreset).

Content:

This is a message to ask a user to execute hvreset or to exit. Choose "yes" to continue. Choose "no" to exit.

Corrective action:

Respond to the prompt.

Can't open modification file.

Content:

When hvmod is invoked with the -c option, it uses a temporary file. If this file cannot be opened for writing, this message is printed and hvmod exits with the exit code 1.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Cannot start RMS! BM is currently running.

Content:

RMS is already running on the local host.

Corrective action:

Shut down the currently running version of RMS and restart.

Change dest_object to node.

Corrective action:

No action is required.

command1 cannot get list of resources via <command2> from hvcm.

Content:

The wizards rely on hvmod for dynamic modification. If there is a problem when the command *command2* is executed, this message is printed and hvmod exits with the exit code 15.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Command aborted.

Content:

A confirmation message may appear if the user attempts to proceed the command execution. This message is printed after the user selects not to proceed with a command to abort execution of the command.

Corrective action:

No action is required.

command: bad state: state.

Content:

If hvassert is performed by a state other than the valid *state*, this message is printed and hvassert exits with the exit code 1.

Corrective action:

Make sure that the *state* specified for hvassert is valid.

command: bad timeout: timeout.

Content:

If the timeout specified for the hvassert command is not a number, this message is printed and the command exits with the exit code 1.

Corrective action:

Specify a number for the timeout value of hvassert.

command: cannot open file filename.

Content:

The `hvsend` is used to send messages to an object in a resource graph. It can get the list of messages to send from a file. If this file cannot be opened, this message is printed and the `hvsend` command exits with the exit code 8.

Corrective action:

Make sure that the file *filename* exists.

***command*: cannot put message in queue**

Content:

The command *command* relies on a message queue to transmit messages to the RMS base monitor. If this message transmission fails for some reason, this message is printed and the command exits with a non-zero code.

Corrective action:

This message may be output when the command is executed during RMS stop processing. In this case, execute the command again. If this message is output when the command is executed during other processing, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

***command*: could not create a pipe**

Content:

If the command *command* could not open the tty to be written to, this message is printed and the command exits with the exit code 7.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

***command* failed due to errors in <argument>.**

Content:

When `hvmmod` has been invoked, it uses `hvbuild` internally. If there is a problem with the execution of `hvbuild`, this message is printed and `hvmmod` is aborted. The `hvmmod` then exits with the exit code 1.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

***command*: failed due to undefined variable: local_host.**

Content:

If the `hvsend` command is unable to find the value of the environment variable `RELIANT_HOSTNAME`, this message is printed and `hvsend` exits with the exit code 7.

Corrective action:

Make sure that `RELIANT_HOSTNAME` is defined.

<command> failed with exit code *exitcode*

Content:

The command *command* that was executed by the RMS command abnormally exited with the exit code *exitcode*.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

command: file already exists**Content:**

When 'hvdisp -o' has been invoked by the user and the output file that has been specified as an argument already exists, this message is printed and hvdisp exits with the exit code 6.

Corrective action:

Specify a filename that does not already exist as the argument to 'hvdisp -o.'

command: message queue is not ready yet!**Content:**

The command *command* relies on a message queue to transmit messages to the RMS base monitor. If this message queue is not available for some reason, this message is printed and the command exits with the exit code 3.

Corrective action:

This message may be output when the command is executed during RMS stop processing. In this case, execute the command again. If this message is output when the command is executed during other processing, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

command: Must be super-user to issue this command**Content:**

This message indicates that in order to run the command *command*, the user should have root privileges.

Corrective action:

Make sure that the user has root privileges before issuing the command.

command: RMS is not running**Content:**

When the command *command* has been invoked, it checks to make sure that RMS is running. If RMS is not running, this message is printed and the command exits with the exit code 2.

Corrective action:

Make sure that RMS is running before invoking the different utilities.

Command timed out!**Corrective action:**

No action is required.

Could not open localfile or could not create temporary file filename**Content:**

If the localfile cannot be opened for reading or the temporary file *filename* cannot be opened for writing during hvrcp, this message is printed and hvrcp exits with the exit code 7.

Corrective action:

Check the permissions on the localfile to make sure that it is readable.

Could not restart RMS. RELIANT_PATH not set.

Content:

When the detector restarts RMS, it checks the value of the environment variable RELIANT_PATH. If the detector cannot get the value of this variable, this message is printed.

Corrective action:

Make sure that RELIANT_PATH is set to an appropriate value.

debugging is on, watch your disk space in /var

Content:

This message requests warns the user that the disk space in /var as the debug mode is on. It appears when debug mode is set to "on" by using hvutil -l.

Corrective action:

Make sure that the disk space in /var is sufficient.

Delay *delay* seconds.....

Content:

This is an informational message specifying the delay *delay* in seconds that has been provided by hvsend.

Corrective action:

No action is required.

DISCLAIMER: The hvdump utility will collect the scripts, configuration files, log files and any core dumps. These will be shipped out to RMS support. If there are any proprietary files you do not want included, please exit now. Do you want to proceed? (yes = continue / no = quit)

Content:

This message is printed on executing 'hvdump -E'.

The hvdump command collects following files: scripts, the RMS configuration file, log files, and core dumps. These files are provided to support RMS. When the specific files should not be provided, end the processing. The hvdump -E will collect information only when a user chooses "yes" to the following question: "Do you want to proceed?" (yes = continue / no = quit).

Corrective action:

Respond to the prompt.

DISCLAIMER: The hvdump utility will now collect the necessary information. These will be shipped to RMS support.

Content:

This message indicates that the hvdump command starts to collect the information.

Corrective action:

No action is required.

Dynamic modification is in progress, can't assert states.

Content:

The hvassert cannot be executed while dynamic modification is in progress.

Corrective action:

Execute the hvassert after dynamic modification is complete.

ERROR: Assertion terminated: RMS is shutdown

Content:

When RMS on the target node is stopped by hvshut (except -f option) while the hvassert is in process, this message is printed and the hvassert exits with the exit code 12.

Corrective action:

No action is required.

Error becoming a real time process: *errorreason*

Content:

The RMS base monitor runs as a real time process on Solaris (thus, the RMS base monitor is given a higher priority than other processes). If the base monitor cannot run as a real time process due to *errorreason*, this message is printed.

Corrective action:

Take the necessary action based on the cause. As for details on *errorreason*, see "[Appendix A CF Reason Code Table](#)."

ERROR: Forcibly switch request denied, the following node(s) are in LEFTCLUSTER state: *nodes*

Content:

When the hvswitch -f is executed to switch cluster applications forcibly, a request to forcibly switch cluster applications has been denied because CF remains in the LEFTCLUSTER state on some nodes *nodes*.

Corrective action:

Change the status of the nodes *nodes* to either of the following status and then start cluster applications forcibly.

- CF is in the DOWN state and RMS is in the Offline state
- CF is in the UP state and the RMS is in the Online state

For how to recover CF from the LEFTCLUSTER state, see "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

ERROR: Forcibly switch request denied, unable to kill node <node>

Content:

When the hvswitch -f is executed to switch cluster applications forcibly, a request to forcibly switch cluster applications has been denied because the node <node> without running RMS cannot be stopped forcibly.

Corrective action:

Manually stop the OS on the node <node> and then forcibly start cluster applications again.

To shut down the node forcibly, also review the configuration of the shutdown facility.

ERROR: Hvshut terminates due to timeout, some objects may still be Online.

Content:

This message appears upon timeout of hvshut command.

When the hvshut command is executed with either l/-s/-a option, some resources that are included in cluster applications may fail to stop.

Corrective action:

To prevent the timeout of the hvshut command, depending on your environment, change RELIANT_SHUT_MIN_WAIT, which is the global environment variable of RMS, to a larger value.



See

.....
For details on RELIANT_SHUT_MIN_WAIT, see "RELIANT_SHUT_MIN_WAIT" in "Global environment variables" of the following manual below:

- For PRIMECLUSTER 4.3A30 or later: "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide."

See "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide" for how to refer to and change the RMS environment variables.



Take either of following actions depending on with which option the hvshut command has been executed.

- With -l option
Shut down the OS on the node on which the command has been executed, or stop the node forcibly.
- With -s option
Shut down the OS on the target node of the command, or stop the node forcibly.
- With -a option
Shut down the OS on all the nodes except a node on which RMS has ended normally, or stop the node forcibly.
- With -L option
When the BM (base monitor) process does not stop on the node on which the command has been executed, execute the hvshut -f command to stop RMS forcibly. No action is required when the BM process stops.
- With -A option
When the BM process does not stop on some nodes, execute the hvshut -f command on these nodes to stop RMS forcibly. No action is required when the BM process stops on all the nodes.

ERROR: Local SysNode must be specified

Content:

By using the hvswitch command to start a resource, you must specify the SysNode name of the node on which you execute the hvswitch command.

Corrective action:

Specify the SysNode name of the node on which you execute the hvswitch command and execute it.



Note



This message is output only for 4.3A40 or later.



ERROR: Maintenance Mode request cannot be processed. A userApplication is not in an appropriate state on remote hosts. See switchlog of remote hosts for details! - userApplication

Content:

Due to one of the following status below of the *userApplication*, the maintenance mode cannot start or finish other than the node on which the command has been executed.

- Maintenance mode cannot start: *userApplication* is in Faulted state
- Maintenance mode cannot finish: *userApplication's* status is different with the status just before the start of maintenance mode.

Corrective action:

After executing the corrective action below, start or finish the maintenance mode other than the node on which the command has been executed.

- Maintenance mode cannot start: Clear the Faulted state of userApplication.
- Maintenance mode cannot finish: Return the state of userApplication to the status jut before the start of maintenance mode.

ERROR: Maintenance Mode request cannot be processed. The state of the following objects is conflicting with the state of their parents. Leaving maintenance Mode now will cause a Fault to occur.

Content:

Maintenance mode cannot be terminated due to the following cause:
On some cluster node, the current state of userApplication is different from the state before entering maintenance mode.

Corrective action:

Terminate the maintenance mode after restoring the userApplication state to the state before entering maintenance mode.

Error setting up real time parameters: *errorreason*

Content:

If there is a problem while setting up the parameters for the RMS base monitor to run as a real-time process, this message is printed along with the reason *errorreason* for the problem.

Corrective action:

Take the necessary action based on the reason *errorreason*. As for details on *errorreason*, see "[Appendix A CF Reason Code Table](#)."

Error while starting up bm on the remote host <targethost>: *errorreason*

Content:

When hvcm is invoked with the -s option to start RMS on a remote host *targethost*, if there is a problem in starting up RMS on the remote host, this message is printed along with the reason for the problem *errorreason*.

Corrective action:

Take the necessary action based on the reason *errorreason* and reissue 'hvcm -s.' As for details on *errorreason*, see "[Appendix A CF Reason Code Table](#)."

Error while starting up local bm: *errorreason*

Content:

An error occurred while starting up the local bm.

Corrective action:

Take the necessary action based on the reason *errorreason*. As for details on *errorreason*, see "[Appendix A CF Reason Code Table](#)."

Failed to dup a file descriptor.

Content:

If RMS is unable to dup a file descriptor while setting the environment, this message appears.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Failed to exec the hvenv file <hvenvfile>.

Content:

RMS was unable to exec the hvenv environment variable file *hvenvfile*.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Failed to open pipe.

Content:

If RMS is unable to open a pipe for communication, this message is printed and RMS exits with the exit code 1.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR Could not restart RMS. Restart count exceeded.

Content:

When the detector tries to restart RMS, it records how many times RMS had to be restarted. If this count exceeds 3, then this message is printed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: Could not restart RMS. Restart script (*script*) does not exist.

Content:

When the detector is unable to restart RMS because the script *script* does not exist, this message is printed.

Corrective action:

Make sure that the script *script* exists.

FATAL ERROR: Could not restart RMS. Failed to recreate RMS restart count file.

Content:

When the detector tries to restart RMS, it records how many times RMS had to be restarted by writing the necessary information into a count file. If this file cannot be opened, the above message is printed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

FATAL ERROR: RMS has failed to start!

Content:

As a cluster application has not been created, RMS cannot be started.

Corrective action:

Create the cluster application.

File open failed (*path*): *errorreason*.

Content:

If the file *path*, which is used by the hvassert command to communicate with the RMS base monitor, could not be opened, this message is printed along with the reason *errorreason* for this failure. The hvassert then exits with the exit code 5.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

File system of directory <*directory*> has no data blocks !!

Content:

An internal error occurred in RMS processing.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Forced shut down on the local cluster host!

Content:

When the detector restarts the base monitor, it prints this message before proceeding.

Corrective action:

No action is required.

Fork failed.

Content:

If RMS is unable to fork a process, it prints this message and exits with the exit code 1.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

hvutil: Could not determine if RMS is running on <targethost>, errno exitcode

Content:

This message is printed when 'hvutil -A *targethost*' is called. This message indicates that the command failed to ascertain whether or not RMS is running on *targethost*. The *exitcode* indicates a value in /usr/include/sys/errno.h.

Corrective action:

Take action depending on the *exitcode* value.

hvutil: Could not determine IP address of <targethost>

Content:

The IP address of the cluster nodes <*targethost*> could not be detected.

Corrective action:

Add *targethost* of all cluster nodes into the /etc/hosts file.

hvutil: debug option must be a positive number for on, 0 for off.

Content:

When 'hvutil -L' has been invoked with a loglevel that is not 0 or 1, this message is printed and it exits with the exit code 6.

Corrective action:

Specify a valid logging level 0 or 1 for the command.

hvutil: Detector time period must be greater than *minimumtime*.

Content:

If the detector time period specified as an argument with 'hvutil -t' is less than *minimumtime*, hvutil is aborted and exits with the exit code 5.

Corrective action:

Invoke hvutil with a time period that is greater than *minimumtime*.

hvutil: Failed to allocate socket

Content:

Allocation of a socket that is used to communicate with a remote node failed.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

hvutil: Missing /etc/services entry for "rms hb"

Content:

An entry for the RMS heartbeat is missing in the /etc/services file.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

hvutil: Notify string is longer than mesglen bytes

Content:

A string for notification is too long.

Corrective action:

Set the string shorter than *mesglen* bytes.

hvutil: RMS is not running on <targethost>

Content:

This is printed when 'hvutil -A *targethost*' is called. This message indicates that RMS is not running on the specified node.

Corrective action:

No action is required.

hvutil: RMS is running on <targethost>

Content:

This is printed when 'hvutil -A *targethost*' is called. This message indicates that RMS is not running on the specified node.

Corrective action:

No action is required.

hvutil: The resource <resource> does not have a detector associated with it

Content:

The resource *resource* does not have a detector.

Corrective action:

Issue 'hvutil -N' on a resource that has a detector.

hvutil: The resource <resource> is not a valid resource

Content:

The resource *resource* is not a valid resource.

Corrective action:

Issue 'hvutil -N' on a resource that has a detector and is part of the resource graph.

hvutil: time period of detector must be an integer.

Content:

If the detector time period specified as an argument with 'hvutil -t' is not a number, hvutil is aborted and exits with the exit code 6.

Corrective action:

Make sure that the detector time period is an integer.

hvutil: Unable to open the notification file <path> due to reason: reason

Content:

The hvutil was unable to open the file *path* because of a reason *reason*.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Invalid delay.

Content:

If the value of delay in sending messages, which is specified by hvsend, is less than zero, this message is printed.

Corrective action:

Provide a valid value for the delay.

It may take few seconds to do Debug Information collection.

Content:

As the hvdump command dumps the information regarding the resource graph, it prints this message while it is collecting the information.

Corrective action:

No action is required.

localfile filename does not exist or is not an ordinary file

Content:

If the localfile specified as an argument to hvrcp does not exist or if it is not a regular file, hvrcp exits with the exit code 7.

Corrective action:

Make sure that the localfile exists and is an ordinary file.

Name of the modification file is too long.

Content:

If the length of the name of the modification file (specified as an argument through the -f option) or the modification directives (specified via the -c option) is longer than 113 characters, this message is printed and hvmod exits with the exit code 4.

Corrective action:

Make sure that the arguments specified via -f and -c options are not too long.

NOTICE: failed to open/read device *mount-device***Content:**

The Fsystem resource state is other than online. While RMS executes open/read against GDS volume for checking the file system status, this message indicates that open/read is failed, as the volume is in the stopping state.

Corrective action:

The message is merely printed and has no influence to the work.

NOTICE: RMS died but has been successfully restarted, reconnecting**Content:**

RMS has not been started.

Corrective action:

Start the RMS, as needed.

NOTICE: User has been warned of 'hvshut -A' and has elected to proceed.**Content:**

When the user invokes 'hvshut -A' and chooses to execute the command in response to a confirmation message, this message is printed.

Corrective action:

No action is required.

NOTICE: User has been warned of 'hvshut -f -a' and has elected to proceed.**Content:**

When the user chooses to execute the command 'hvshut -f -a', this confirmation message is printed.

Corrective action:

No action is required.

NOTICE: User has been warned of 'hvshut -L' and has elected to proceed.**Content:**

When the user invokes 'hvshut -L,' and then continues to execute the command, this message is printed to confirm that 'hvshut -L' is being invoked.

Corrective action:

No action is required.

RELIANT_LOG_PATH is not defined**Content:**

When the hvlogclean command is invoked without the -d option, it refers to the environment variable RELIANT_LOG_PATH, to locate the hvloginit script. If the value of the variable cannot be found, this message is printed and the command exits with exit code 6.

Corrective action:

Make sure that the environment variable RELIANT_LOG_PATH has not been unset and is set to the appropriate value.

RELIANT_PATH is not defined**Content:**

When the hvlogclean command is invoked without the -d option, it refers to the environment variable RELIANT_PATH to locate the hvloginit script. If the value of the variable cannot be found, this message is printed and the command exits with the exit code 6.

Corrective action:

Make sure that the environment variable RELIANT_PATH is set to the appropriate value.

Remote host <hostname> is not Online.

Content:

This message appears when remote node *hostname* is not Online at execution of hvassert and the command exits with the exit code 1.

Corrective action:

Make sure that remote node is Online before executing hvassert.

Remote host does not exist - host.

Content:

This message appears when SysNode specified as 'hvassert -h *host*' does not constitute a part of resource graph and the hvassert exists with the exit code 10.

Corrective action:

Make sure that the remote node specified by hvassert exists.

Remote system is not online.

Content:

This message appears when hvassert is to be executed for an object on a remote node in which RMS is not running, and the hvassert exists with the exit code 10.

Corrective action:

Make sure that RMS is run on the remote system before executing hvassert.

Reset of RMS has been aborted.

Content:

When the user invokes hvreset, the hvreset command asks for a confirmation. If the answer is not yes, hvreset is aborted and this message is printed.

Corrective action:

No action is required.

Resource does not exist - resource.

Content:

This message appears when hvassert is to be executed for a resource that is not a part of RMS resource graph, and the hvassert exists with the exit code 10.

Corrective action:

Make sure that the resource exists before executing hvassert for a resource.

Resource is already online on target node

Content:

The start request of the resource with the hvswitch command was denied because the resource is already Online.

Corrective action:

No action is required.

Correct the specified resource if it is wrong, and then execute the hvswitch command again.

resource is not in state *state*.**Content:**

When hvassert is to be executed for an object *resource*, hvassert detects that the resource is not in a state *state*. In this case, this message is printed and hvassert exits with the exit code 1.

Corrective action:

No action is required.

Resource type must be userApplication or gResource**Content:**

hvswitch or hvutil requires a userApplication or a resource as its argument.

Corrective action:

Check the man page for hvswitch or hvutil for usage information.

Request cannot be processed. The following resource(s) are unexpectedly online**Content:**

Since a resource is unexpectedly Online while some resources are being started, all the resources cannot be started or stopped on the node with the hvswitch or hvutil command.

Corrective action:

Restore the state of the resource that was unexpectedly Online to the last state before it becomes Online, and then start or stop the resource with the hvswitch or hvutil command.

RMS environment failure: Failed to set environment using hvenv. Default values for environment variables will be used.**Content:**

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

RMS environment failure: Failed to set environment variable *<path>* for command: *<errno>*.**Content:**

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

RMS environment failure: The following required variable is not defined in RMS environment:**Content:**

One of the environment variables required by RMS is missing in hvenv.

Corrective action:

A critical error has occurred. Check if the environment definitions in the hvenv.* files are correct.

RMS environment failure: *<function>* failed with errno *<errno>*.

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

RMS has failed to start! didn't find a valid entry in the RMS default configuration file "*configfilename*"

Content:

This message appears when the RMS default configuration file exists but does not contain a valid reference to a configuration to run.

Corrective action:

Either place a default configuration file name in the RMS default configuration file or put the current configuration name in a configuration that is to be activated.

RMS has failed to start! 'hvcm' has been invoked without specifying a configuration with the -c attribute, but with specifying other command line options. This may cause ambiguity and is therefore not possible. Please specify the entire commandline or use 'hvcm' without further options to run the default configuration.

Content:

No arguments for the -c option exist. This message appears when the user tries to start RMS without the -c option and specifying other commandline options.

Corrective action:

When using hvcm with the -c option, '-c *configname*' should be the last arguments on the command line. To use the default configuration, enter hvcm without any arguments to start RMS on the local node, and use 'hvcm -a' to start RMS on all the nodes.

RMS has failed to start! invalid entry in the RMS default configuration file "*configfilename*"

Content:

The user is not allowed to start RMS if the default configuration has invalid entry in the RMS default configuration file. The possible valid entries are 1. '*configname*' or 2. 'hvcm *options* -c *configname*.' Refer to the hvcm man page for valid options in the second format.

Corrective action:

Remove all invalid entries in the RMS default configuration file. Refer to the hvcm man page.

RMS has failed to start! multiple entries in the RMS default configuration file "*configfilename*"

Content:

The user is not allowed to start RMS if there are multiple entries in the default configuration file config.us.

Corrective action:

The user has to remove all the obscure entries in the RMS default configuration file and has to have only one valid configuration in it.

RMS has failed to start! RELIANT_HOSTNAME is not defined in the RMS environment

Content:

The environment variable RELIANT_HOSTNAME is not properly set.

Corrective action:

Ensure that the RMS environment variable RELIANT_HOSTNAME is not set erroneously to "" (null string) or is not explicitly unset in hvenv.local.

RMS has failed to start! the number of arguments specified at the command line overrides the internal buffer of the RMS start utility

Content:

This message appears when the number of arguments specified at the command line is more than the buffer capacity (= 30 command line arguments).

Corrective action:

Refer to the hvcm manual page for the correct syntax and usage.

RMS has failed to start! the number of arguments specified at the RMS default configuration file "*configfilename*" overrides the internal buffer of the RMS start utility

Content:

This message appears when the user tries to start the RMS using the RMS default configuration file but the number of arguments specified in the RMS default configuration file overrides the internal buffer of the RMS start command.

Corrective action:

Remove the unwanted arguments from the RMS default configuration file. Check the man page for hvcm to get the required options to start RMS.

RMS has failed to start! the options "-a" and "-s" are incompatible and may not be specified both

Content:

This message appears when the user tries to start RMS using the options -a and -s simultaneously.

Corrective action:

Check the man page for hvcm to get the format.

rms is dead

Content:

The hvrcp command checks whether the RMS base monitor is alive every 10 seconds. If it finds that it is not alive, it prints this message and exits with the exit code 1.

Corrective action:

Start the RMS on the host.

RMS on node *node* could not be shutdown with hvshut -A.

Content:

This message appears when the host cannot be shut down with hvshut -A.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Root access required to start hvcm

Content:

To start RMS, the user must have the system administrator authority.

Corrective action:

Log in as a system administrator and try hvcm.

Sending *data* to resource.

Content:

This message is printed when logging is turned on and data *data* is being sent to the object *resource*.

Corrective action:

No action is required.

Shutdown of RMS has been aborted.

Content:

When the user invokes 'hvshut -L,' the hvshut command asks for a confirmation. If the answer is no, 'hvshut -L' is aborted and this message is printed.

Corrective action:

No action is required.

Starting Reliant Monitor Services now

Content:

When RMS is starting up, this message is printed.

Corrective action:

No action is required.

Starting RMS on remote host *host* now

Content:

This message is printed when RMS is being started on the remote host *host*.

Corrective action:

No action is required.

startup aborted per user request

Content:

When RMS is being started up with the "-c" option, if the specified RMS configuration file is different from the entry in CONFIG.rms, a confirmation message is displayed to ask a user if a new RMS configuration should be activated. If the response is "no", this message is printed.

Corrective action:

No action is required.

systemctl command exited with *retcode*

Content:

If the systemctl command did not end normally while the hvcm command is executed, this message is output.

Corrective action:

Take the necessary action based on the *retcode*.



.....
This message is output only for 4.3A40 or later.
.....

The command '*command*' could not be executed

Content:

The execution of the command *command* failed.

Corrective action:

Check if the *command* is valid.

The command '*command*' failed to reset uid information with errno '*errno*' - '*errorreason*'.

Content:

The execution of the command *command* failed to reset the effective user ID.

Corrective action:

The seteuid(2) failed due to the errno *errno*. Take an action depending on the *errno* value.

The command '*command*' failed to set the effective uid information with errno '*errno*' - '*errorreason*'.

Content:

The execution of the command *command* failed to set the effective user ID.

Corrective action:

The seteuid(2) failed due to the errno *errno*. Take an action depending on the *errno* value.

The configuration file "<*nondefaultconfig*>" has been specified as option argument of the -c option, but the Wizard Tools activated configuration is "<*defaultconfig*>" (see <*defaultconfig*>). The base monitor will not be started. The desired configuration file must be re-activated by using PCS Wizard activation command.

Content:

The activated configuration is not the configuration that is specified by -c option. RMS cannot be started.

Corrective action:

Activate the configuration that is specified by the -c option. Start RMS.

The file '*filename*' could not be opened: *errormsg*

Content:

If the file *filename* could not be opened because of *errormsg* while an RMS command is executed, this message is printed and *hvdump* exits with the exit code 8.

Corrective action:

Take the necessary action based on the *errormsg*.

The length of return message from BM is illegal (*actualelength* *actual* *expectedlength* *expected*).

Content:

When the *hvassert* command has received a return message from the base monitor, and when the length of the message is *actualelength*, not *expectedlength*, this message is printed and *hvassert* exits with the exit code 5.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

The state of RMS service is not active but *state*

Content:

When you start the base monitor of the node that the state of the systemd service of RMS (smawrrms.service) is not active, this message is output and the base monitor fails to start on this node.

Corrective action:

Remove causes that lead the state of the systemd service of RMS not to be active. After removing the causes, check if the state of the service is active. When the state still does not recover, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."



This message is output only for 4.3A40 or later.

The state of RMS service is not online/degraded but state

Content:

When the SMF service of RMS is neither in the online state nor in the degraded state on a node, this message is printed and the base monitor on this node fails to start.

Corrective action:

Remove causes that lead the state of the SMF service of RMS not to be online or degraded. After removing the causes, check if the state of the service is online or degraded. When the state still does not recover, record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

The system call *systemcall* could not be executed: *errmsg*

Content:

If the *systemcall* could not be executed because of *errmsg* while an RMS command is executed, this message is printed and *hvdump* exits with the exit code 7.

Corrective action:

Take the necessary action based on the *errmsg*.

The use of the -f (force) flag could cause your data to be corrupted and could cause your node to be killed. Do not continue if the result of this forced command is not clear. The use of force flag of hvswitch overrides the RMS internal security mechanism. In particular RMS does no longer prevent resources, which have been marked as "ClusterExclusive", from coming Online on more than one host in the cluster. It is recommended to double check the state of all affected resources before continuing. Do you wish to proceed ? (default: no) [yes, no]:

Content:

This is a message to ask a user to execute *hvswitch -f* or to exit. Choose "yes" to start cluster applications forcibly. Choose "no" to exit.

Corrective action:

Respond to the message.
Be careful as data consistency may be lost or data is broken if *hvswitch -f* is used. Make sure that the resource under the cluster application control to be forcibly started is not running on other node in an error mode.



On PRIMECLUSTER 4.3A10 or later (Solaris) or PRIMECLUSTER 4.3A30 or later (Linux), following messages are additionally displayed before the final message line "Do you wish to proceed? (default: no) [yes, no]:"

IMPORTANT: This command may kill nodes on which RMS is not running in order to reduce the risk of data corruption!
Ensure that RMS is running on all other nodes. Or shut down OS of the nodes on which RMS is not running.

This message indicates that nodes without running RMS may be forcibly stopped to decrease the risk of data corruption when cluster applications are forcibly started.



To forcibly start cluster applications, see "Notes on Switching a Cluster Application Forcibly" in "PRIMECLUSTER Installation and Administration Guide."

The userApplication is in the state Inconsistent on any node

Content:

The resource cannot be started or stopped with the hvswitch or hvutil command because the userApplication is Inconsistent on any node.

Corrective action:

The inconsistency of the userApplication must be resolved on all the nodes, and then start or stop the resource with the hvswitch or hvutil command.

The userApplication must be in the state Online, Offline or Standby on target node

Content:

The resource cannot be started or stopped because the userApplication is not Online, Offline, or Standby.

Corrective action:

The userApplication first needs to be brought to Online, Offline, or Standby before starting the resource with the hvswitch command.

The user has invoked the hvcm command with the -a flag on a host where RMS is already running, sending request to start all remaining hosts.

Content:

If hvcm is invoked with the -a flag, then RMS will be started on the other hosts in the cluster.

Corrective action:

No action is required.

timed out! Most likely rms on the remote host is dead.

Content:

While performing hvrcp, the command times out because the base monitor on the local host has not received a response from the base monitor on the remote host. The most probable reason is that the RMS on the remote host is stopped.

Corrective action:

Make sure that the RMS on the remote host is running.

timestamp: NOTICE: User has been warned of 'hvshut -f' and has elected to proceed.

Content:

When the user invokes 'hvshut -f,' and then continues to execute the command, this message is printed to confirm that 'hvshut -f' is being invoked.

Corrective action:

No action is required.

Too many asserted objects, *maximum* is the max.

Content:

Any attempt to assert on a number of objects that is greater than the *maximum* will print this message.

Corrective action:

Decrease the number of objects that are asserted to be fewer than *maximum*.

Unable to execute command: *command*

Content:

During hvmod, if the command *command* could not be executed, hvmod exits with the exit code 1.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Unable to start RMS on the remote host using *cfsh*, *rsh* or *ssh*

Content:

RMS internal error.

Corrective action:

Record this message, collect investigation information, and contact field engineers. For details on collecting the investigation information, see "PRIMECLUSTER Installation and Administration Guide."

Usage: **hvassert [-h SysNode] [-q] -s resource_name resource_state | [-h SysNode] [-q] -w resource_name resource_state seconds | [-h SysNode] [-q] -d resource_name state_detail [seconds]**

Content:

Unless hvassert command is invoked in a correct way, this message is printed and the command exits with the exit code 6..

Corrective action:

Follow the usage specified in the message above.

Usage: **hvcn [-V] [-a] [-s targethost] [-c config_file] [-h time] [-l level]**

Content:

The hvcn command has been invoked in a way that does not conform to its expected usage.

Corrective action:

See the hvcn man page for correct usage.

Usage: **hvconfig -l | -o config_file**

Content:

The hvconfig command has been invoked in a way that does not conform to its expected usage. The command exits with the exit code 6.

Corrective action:

Follow the expected usage for the command.

Usage: `hvdisp {-a | -c | -h | -i | -l | -n | -S resource_name [-u | -c] | -z resource_name | -T resource_type [-u | -c] | -u | resource_name | ENV | ENVL} [-o out_file]`

Content:

The `hvdisp` command has been invoked in a way that does not conform to its expected usage. The command exits with the exit code 6.

Corrective action:

Follow the expected usage for the command.

Usage: `hvdump {-g | -f out_file | -t wait_time}`

Content:

The `hvdump` command has been invoked in a way that does not conform to its expected usage. The command exits with the exit code 6.

Corrective action:

Follow the expected usage for the command.

Usage: `hvlogclean [-d]`

Content:

The `hvlogclean` command has been invoked in a way that does not conform to its expected usage. The command exits with the exit code 6.

Corrective action:

Follow the expected usage for the command.

Usage: `hvreset [-t timeout] userApplication`

Content:

The `hvreset` command has been invoked in a way that does not conform to its expected usage. The command exits with the exit code 2.

Corrective action:

Follow the expected usage for the command.

Usage: `hvshut {-f | -L | -a | -l | -s SysNode | -A}`

Content:

The `hvshut` command has been invoked in a way that does not conform to its expected usage. The command exits with the exit code 6.

Corrective action:

Follow the usage specified above.

Usage: `hvswitch [-f] userApplication [SysNode] | -p userApplication`

Content:

When the `hvswitch` command has been invoked with an unknown option, or with three or more arguments, the command exits with the exit code 6.

Corrective action:

Follow the intended usage of the command.

 Note

This message is output only for 4.3A30 or earlier.

Usage: hvswitch [-f] userApplication [SysNode] | [-f] resource SysNode | -p userApplication

Content:

When the hvswitch command has been invoked with an unknown option, or with three or more arguments, the command exits with the exit code 6.

Corrective action:

Follow the intended usage of the command.

 Note

This message is output only for 4.3A40 or later.

Usage: hvutil {-a | -d | -c | -s} userApplication | -f [-q] userApplication | {-t n | -N string } resource | -L {level | display} resource | {-o | -u} SysNode | -l {level | display} | -w | -W | -i {all | userApplication} | -r | -m {on|off|forceoff} userApplication | -M {on|off|forceoff}

Content:

This message appears in any one of the following situations:

- 'hvutil -u' is invoked with more than 1 argument. Exit code 7.
- 'hvutil' is invoked without any options or arguments. Exit code 7.
- 'hvutil' is invoked with an invalid option. Exit code 7.
- 'hvutil -i' is invoked without an argument. Exit code 13.
- 'hvutil -r' is invoked with an argument. Exit code 14.
- 'hvutil {-w | -W}' is invoked with an argument. Exit code 9.
- 'hvutil -n' is invoked with NoConfirm as the only argument. Exit code 5.
- 'hvutil {-m | -M}' is invoked with an argument other than on, off, or forceoff. Exit code 16.
- 'hvutil -m' is invoked without an argument, or 'hvutil -M' is invoked with an argument. Exit code 16.

Corrective action:

Follow the intended usage of hvutil.

 Note

This message is output only for 4.3A30 or earlier.

Usage: hvutil {-a | -d | -c | -s} userApplication | -f [-q] userApplication | {-f | -c} resource | {-t n | -N string } resource | -L {level | display} resource | {-o | -u} SysNode | -l {level | display} | -w | -W | -i {all | userApplication} | -r | -m {on|off|forceoff} userApplication | -M {on|off|forceoff}

Content:

This message appears in any one of the following situations:

- 'hvutil -u' is invoked with more than 1 argument. Exit code 7.

- 'hvutil' is invoked without any options or arguments. Exit code 7.
- 'hvutil' is invoked with an invalid option. Exit code 7.
- 'hvutil -i' is invoked without an argument. Exit code 13.
- 'hvutil -r' is invoked with an argument. Exit code 14.
- 'hvutil {-w | -W}' is invoked with an argument. Exit code 9.
- 'hvutil -n' is invoked with NoConfirm as the only argument. Exit code 5.
- 'hvutil {-m | -M}' is invoked with an argument other than on, off, or forceoff. Exit code 16.
- 'hvutil -m' is invoked without an argument, or 'hvutil -M' is invoked with an argument. Exit code 16.

Corrective action:

Follow the intended usage of hvutil.



Note

This message is output only for 4.3A40 or later.

WARNING: The '-L' option of the hvshut command will shut down the RMS software without bringing down any of the applications. In this situation, it would be possible to bring up the same application on another node in the cluster which *may* cause data corruption. Do you wish to proceed ? (yes = shut down RMS / no = leave RMS running).

Content:

This message is printed when 'hvshut -L' is invoked. When a user chooses "yes", the command is executed. When a user chooses "no", the command is aborted.

Corrective action:

Choose "yes" to execute the command. Choose "no" to abort the command.

WARNING: The '-A' option of the hvshut command will shut down the RMS software without bringing down any of the applications on all hosts in the cluster. Do you wish to proceed ? (yes = shut down RMS on all hosts / no = leave RMS running).

Content:

This message is printed when 'hvshut -A' is invoked. When a user chooses "yes", the command is executed. When a user chooses "no", the command is aborted.

Corrective action:

Choose "yes" to execute the command. Choose "no" to abort the command.

WARNING: There is an ongoing kill of cluster host(s) <nodes>. If the host <node> is needed in order to provide failover support for applications on the host(s) <nodes> then this hvshut command should be aborted. Do you wish to proceed with the hvshut of host <node> (yes = shut down RMS / no = leave RMS running).

Content:

When 'hvshut' is invoked while a cluster node is in the process of being stopped, this message is printed. When a user chooses "yes", the command is executed. When a user chooses "no", the command is aborted.

Corrective action:

Choose "yes" to execute the command. Choose "no" to abort the command.

WARNING: You are about to attempt to resolve a SysNode 'Wait' state by telling RMS that the node in question (<sysnode>) has not actually gone down. This option will only work if, and only if, the cluster node and the RMS instance on that cluster node have been continuously up since before the 'Wait' state began. If the RMS instance on that cluster node has gone down and been restarted this option (hvutil -o) will not work and may cause the RMS instance on that node to hang. If the RMS instance on that node has gone down and been restarted, shut it down again (hvshut -f) and run the 'hvutil -u <sysnode>' command on this cluster host and then restart RMS on the other cluster node.

Content:

This message is printed when 'hvutil -o' is invoked. When a user chooses "yes", the command is executed. When a user chooses "no", the command is aborted.

Corrective action:

Choose "yes" to execute the command. Choose "no" to abort the command.

WARNING: Data corruption may occur, if the Sysnode referred to as option-argument of the '-u' option hasn't been completely deactivated.

Do you wish to proceed ? (default: no) [yes, no]:

Content:

This is printed when 'hvutil -u' is invoked. When a user chooses "yes", the command is executed. When a user chooses "no", the command is aborted.

Corrective action:

Choose "yes" to execute the command. Choose "no" to abort the command.

Chapter 7 Messages at Executing Commands

This chapter describes the standard error output (stderr) or standard output (stdout) that is printed when commands listed below are executed.

As for messages of those commands, see the table below.

Command name	Function	Reference
cfconfig	Cluster host configuration or its deletion	"7.1 cfconfig messages"
cipconfig	CIP start/stop	"7.2 cipconfig messages"
cftool	Output of host communication status (CIP information)	"7.3 cftool messages"
rcqconfig	Operation of quorum information	"7.4 rcqconfig messages"
rcquery	Get of quorum information	"7.5 rcquery messages"
panicinfo_setup	Setup of shutdown facility (only for Linux)	"7.6 panicinfo_setup messages (Linux)"
cfbackup	Store of cluster configuration information	"7.7 cfbackup messages"
cfrestore	Restore of stored cluster configuration information	"7.8 cfrestore messages"
wgcnfclient	Setup/reference of RMS component name (only for Solaris)	"7.9 wgcnfclient messages (Solaris)"
clrwzconfig	Register/delete/check cluster application information (only for Linux)	"7.10 clrwzconfig messages (Linux)"
pclsnap	Get system information tool	"7.11 pclsnap messages"
wvstat	Display the Web-Based Admin View operation status	"7.12 wvstat message"
clallshutdown	Shut down all the nodes that configure a cluster	"7.13 clallshutdown message"
sfrpdupowerron	Operation of Remote Power Distribution Unit (only for Solaris)	"7.14 sfrpdupowerron command messages (Solaris)"
cfrecoverdev	Restore the symbolic link to the device file of CF (only for Solaris)	"7.15 cfrecoverdev command messages (Solaris)"
sdtool	Interface tool of shutdown facility	"7.16 sdtool command messages"
sfsacfgupdate	Manage the settings update of the shutdown agent	"7.17 sfsacfgupdate command messages (Linux)"
clovmigrate	Change the cluster settings when migration is performed in Oracle VM Server for SPARC environment (only for Solaris)	"7.18 clovmigrate command messages (Solaris)"
sfkvmtool	Check the settings of KVM guest OS (only for Linux)	"7.19 sfkvmtool command messages (Linux)"
sfkvmigrate	Change the cluster settings when migration is performed in a KVM environment (only for Linux)	"7.20 sfkvmigrate command messages (Linux)"
clirmcsetup	Register, change, delete, and display the iRMC/MMB information in	"7.21 clirmcsetup command messages (Linux)"

Command name	Function	Reference
	iRMC asynchronous monitoring agent in the PRIMEQUEST 3000 environment (only for Linux).	
clirmcmonctl	Display the status of the iRMC asynchronous monitoring daemon, and start, stop, restart the iRMC asynchronous monitoring daemon in the PRIMEQUEST 3000 environment.	"7.22 clirmcmonctl command messages (Linux)"
clmmbmonctl	Display the status of the MMB asynchronous monitoring daemon, and start, stop, restart the MMB asynchronous monitoring daemon in the PRIMEQUEST 2000/1000/500/400 environment.	"7.23 clmmbmonctl command messages (Linux)"

Note

- Italic characters in messages are replaced with actual values, names, or character strings.
- The hexadecimal numbers in the format such as #0407 and attached to many messages are CF reason codes. As for contents of reason codes, see "[Appendix A CF Reason Code Table.](#)"

7.1 cfconfig messages

When the cfconfig command is executed and an error occurs, an error message is printed to stderr.

The display format is as follows:

```
cfconfig: Message text
```

See

For details on cfconfig command options and related functions, see the manual page of "cfconfig" command.

The manual page also describes all related command output formats, except error messages.

7.1.1 Usage message

A usage message will be generated if:

- Multiple cfconfig options are specified (all options are mutually exclusive).
- An invalid cfconfig option is specified.
- No cfconfig option is specified.
- The "-h" option is specified.

Usage:

```
cfconfig [-d|-G|-g|-h|-L|-l|-S nodename clustername device [device [...]]] |-s clustername device [device [...]]|-u
```

-d delete configuration

-g get configuration

- G get configuration including address information
- h help
- L fast load (use configured devicelist)
- l load
- S set configuration (including nodename)
- s set configuration
- u unload

A device can either be a network device or an IP device like /dev/ip[0-3] followed by the IP address and broadcast address number. Specify an IP address and broadcast address after a device name.

7.1.2 Error messages

This section explains messages that are output upon error occurrence at executing the cfconfig command for each option specified to the command.

7.1.2.1 cfconfig -l

cfconfig: cannot load: #0423: generic: permission denied

Content:

The CF startup routine has failed. This error message usually indicates that an unprivileged user has attempted to start CF. An additional error message, for this case, will also be generated in the system log file:

```
OSDU_start: failed to open /dev/cf (EACCES)
```

Corrective action:

Execute start, stop, and configuration of CF with a system administrator authority.

cfconfig: cannot load: #041f: generic: no such file or directory cfconfig: check that configuration has been specified

Content:

The CF startup routine has failed. This error message usually indicates that the CF configuration file /etc/default/cluster cannot be found. Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_getconfig: failed to open config file (errno)
```

```
OSDU_getconfig: failed to stat config file (errno)
```

Corrective action:

Create a CF configuration file and /etc/default/cluster.

cfconfig: cannot load: #0405: generic: no such device/resource cfconfig: check if configuration entries match node's device list

Content:

The CF startup routine has failed. This error message usually indicates that the CF configuration file does not match the physical hardware (network interfaces) installed in/on the node.

Corrective action:

Match the CF configuration file settings with the hardware (network interface) installed to the node.

cfconfig: cannot load: #04xx: generic: reason_text

Content:

The CF startup routine has failed. One cause of an error message of this pattern is that the CF cluster configuration file has been damaged or is missing.

Corrective action:

If you think this is the case, delete and then re-specify your cluster configuration information, and try the command again. If the same error persists, see below.

Additional error messages, for this case, will also be generated in the systemlog file:

```
OSDU_getconfig: corrupted config file
OSDU_getconfig: failed to open config file (errno)
OSDU_getconfig: failed to stat config file (errno)
OSDU_getconfig: read failed (errno)
```

These messages are generated only when a failure occurs to the CF driver or other kernel components.

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_getconfig: malloc failed
OSDU_getstatus: mconn status ioctl failed (errno)
OSDU_nodename: malloc failed
OSDU_nodename: uname failed (errno)
OSDU_start: failed to get configuration
OSDU_start: failed to get nodename
OSDU_start: failed to kick off join
OSDU_start: failed to open /dev/cf (errno)
OSDU_start: failed to open /dev/mconn (errno)
OSDU_start: failed to select devices
OSDU_start: failed to set clustername
OSDU_start: failed to set nodename
OSDU_start: icf_devices_init failed
OSDU_start: icf_devices_setup failed
OSDU_start: IOC_SOSD_DEVSELECTED ioctl failed
OSDU_start: netinit failed
```

If the device driver for any of the network interfaces to be used by CF responds in an unexpected way to DLPI messages, additional message output (in the system log) may occur, with no associated command error message. These messages may be considered as warnings, unless a desired network interface cannot be configured as a cluster interconnect. These messages are:

```
dl_attach: DL_ACCESS error
dl_attach: DL_ATTACH_REQ putmsg failed (errno)
```

dl_attach: DL_BADPPA error
dl_attach: DL_OUTSTATE error
dl_attach: DL_SYSERR error
dl_attach: getmsg for DL_ATTACH response failed (*errno*)
dl_attach: unknown error
dl_attach: unknown error *hexvalue*
dl_bind: DL_ACCESS error
dl_bind: DL_BADADDR error
dl_bind: DL_BIND_REQ putmsg failed (*errno*)
dl_bind: DL_BOUND error
dl_bind: DL_INITFAILED error
dl_bind: DL_NOADDR error
dl_bind: DL_NOAUTO error
dl_bind: DL_NOTESTAUTO error
dl_bind: DL_NOTINIT error
dl_bind: DL_NOXIDAUTO error
dl_bind: DL_OUTSTATE error
dl_bind: DL_SYSERR error
dl_bind: DL_UNSUPPORTED error
dl_bind: getmsg for DL_BIND response failed (*errno*)
dl_bind: unknown error
dl_bind: unknown error *hexvalue*
dl_info: DL_INFO_REQ putmsg failed (*errno*)
dl_info: getmsg for DL_INFO_ACK failed (*errno*)

It is also possible that while CF is examining the kernel device tree, looking for eligible network interfaces, that a device or streams responds in an unexpected way. This may trigger additional message output in the system log, with no associated command error message. These messages may be considered as warnings, unless a desired network interface cannot be configured as a cluster interconnect. These messages are:

get_net_dev: cannot determine driver name of *nodename* device
get_net_dev: cannot determine instance number of *nodename* device
get_net_dev: device table overflow - ignoring /dev/*drivernameN*
get_net_dev: dl_attach failed: /dev/*drivernameN*
get_net_dev: dl_bind failed: /dev/*drivernameN*
get_net_dev: dl_info failed: /dev/*drivername*

get_net_dev: failed to open device: /dev/*drivername* (*errno*)

get_net_dev: not an ethernet device: /dev/*drivername*

get_net_dev: not DL_STYLE2 device: /dev/*drivername*

icf_devices_init: cannot determine instance number of *drivername* device

icf_devices_init: device table overflow - ignoring /dev/*scin*

icf_devices_init: di_init failed

icf_devices_init: di_prom_init failed

icf_devices_init: dl_bind failed: /dev/*scin*

icf_devices_init: failed to open device: /dev/*scin* (*errno*)

icf_devices_init: no devices found

icf_devices_select: *devname* device not found

icf_devices_select: fstat of mclx device failed: /devices/pseudo/*icfn* - *devname*
(*errno*)

icf_devices_select: mcl_select_dev failed: /devices/pseudo/*icfn* - *devname* (*errno*)

icf_devices_select: open of mclx device failed: /devices/pseudo/*icfn* - *devname*
(*errno*)

icf_devices_setup: calloc failed: *devname*

icf_devices_setup: failed to create mclx dev: /devices/pseudo/*icfn* - *devname*
(*errno*)

icf_devices_setup: failed to open /dev/*kstat* (*errno*)

icf_devices_setup: failed to open mclx device: /devices/pseudo/*icfn* - *devname*
(*errno*)

icf_devices_setup: failed to stat mclx device: /dev/*mclx* (*errno*)

icf_devices_setup: failed to stat mclx device: /devices/pseudo/*icfn* - *devname*
(*errno*)

icf_devices_setup: I_LIST failed: *devname*
(*errno*)icf_devices_setup:I_LIST 0 failed:*devname* (*errno*)

icf_devices_setup: I_PLINK failed: /devices/pseudo/*icfn* - *devname* (*errno*)

icf_devices_setup: I_POP failed: *devname* (*errno*)

icf_devices_setup: I_PUSH failed: *devname* (*errno*)

icf_devices_setup: mcl_set_device_id failed: /devices/pseudo/*icfn* - *devname*
(*errno*)

```
icf_devices_setup: mclx_get_device_info failed: /devices/pseudo/icfn - devname
(errno)

icf_devices_setup: mclx device already linked: /devices/pseudo/icfn - devname
(errno)

icf_devices_setup: mclx not a device

mcl_select_device: MCl_IOC_SEL_DEV ioctl failed (errno)

mcl_set_device_id: MCl_IOC_SET_ID ioctl failed (errno)

mclx_get_device_info: MC1X_IOC_GET_INFO ioctl failed (errno)
```

7.1.2.2 cfconfig -u

cfconfig: cannot unload: #0406: generic: resource is busy cfconfig: check if dependent service-layer module(s) active

Content:

The CF shutdown routine has failed. This error message is generated when CF resource of PRIMECLUSTER layer service is active or a CF resource is allocated to the PRIMECLUSTER layer service.

Corrective action:

RMS, SIS, OPS, CIP, and so forth, need to be stopped before CF is unloaded. Please refer to the README file of each layered-product software on how to stop the respective software. An additional error message, for this case, will also be generated in the system log file:

```
OSDU_stop: failed to unload cf_drv
```

In the special case where the cfconfig command was called by a shutdown script that is rebooting the system, the following additional error messages are generated in the system log file:

```
OSDU_stop: runlevel now n: sent EVENT_NODE_LEAVING_CLUSTER (#xxxx)
```

```
cfconfig: cannot unload: #0423: generic: permission denied
```

The CF shutdown routine has failed. This error message usually indicates that an unprivileged user has attempted to stop CF. You must have a administrator authority to start, stop, and configure CF. An additional error message, for this case, will also be generated in the system log file:

```
OSDU_stop: failed to open /dev/cf (EACCES)
```

cfconfig: cannot unload: #04xx: generic:reason_text

Content:

This message is generated only when a failure occurs to the CF driver or other kernel components.

Corrective action:

Contact field engineers. Additional error messages, for this case, may also be generated in the system-log file:

```
mclx_get_device_info: MC1X_IOC_GET_INFO ioctl failed (errno)

OSDU_stop: disable unload failed

OSDU_stop: enable unload failed

OSDU_stop: failed to open /dev/cf (errno)

OSDU_stop: failed to open mclx device: /devices/pseudo/icfn (errno)
```

```
OSDU_stop: failed to unlink mclx device: /devices/pseudo/icfn (errno)

OSDU_stop: failed to unload cf_drv

OSDU_stop: failed to unload mcl module

OSDU_stop: failed to unload mclx driver

OSDU_stop: mclx_get_device_info failed: /devices/pseudo/icfn
```

7.1.2.3 cfconfig -s or cfconfig -S

cfconfig: specified nodename: bad length: #407: generic: invalid parameter

Content:

This usually indicates that nodename is too long. The maximum length is 31 characters.

Corrective action:

Change the nodename to within 11 characters.

cfconfig: invalid nodename: #407: generic: invalid parameter

Content:

This indicates that nodename contains one or more non-printable characters.

Corrective action:

Use characters that do not contain any blanks and that can be printed.

cfconfig: node already configured: #0406: generic: resource is busy

Content:

This error message usually indicates that there is an existing CF configuration.

Corrective action:

To change the configuration of a node, you must first delete (cfconfig -d) any pre-existing configuration.

Also, you must have administrator authorities to start, stop, and configure CF. A rare cause of this error would be that the CF driver and/or other kernel components have somehow been damaged. If this does not resolve the problem, contact field engineers. Additional error messages may also be generated in the system log file:

```
OSDU_getconfig: corrupted config file

OSDU_getconfig: failed to open config file (errno)

OSDU_getconfig: failed to stat config file (errno)

OSDU_getconfig: malloc failed

OSDU_getconfig: read failed (errno)
```

cfconfig: too many devices specified: #0407: generic: invalid parameter

Content:

Too many devices have been specified on the command line. The current limit is set to 255.

Corrective action:

Change the number of devices specified by command lines within 255.

cfconfig: clustername cannot be a device: #0407: generic: invalid parameter

Content:

This error message indicates that the first argument "clustername" was accidentally been omitted when the cluster interconnect device was specified.

Corrective action:

Do not omit the first argument "clustername" when specifying a device for cluster interconnect using -s.

cfconfig: invalid clustername: #0407: generic: invalid parameter

Content:

This error message indicates that the first argument, clustername, contains blank characters or those that cannot be printed.

Corrective action:

Specify a character string that does not contain blank characters or those that cannot be printed to the first argument, clustername.

cfconfig: duplicate device names specified: #0407: generic: invalid parameter

Content:

This error message indicates that duplicate device names have been specified on the command line. This is usually a typographical error, and it is not permitted to submit a device name more than once.

Corrective action:

Specify devices names by avoiding double input.

cfconfig: device [device [...]]:#0405: generic: no such device/resource

Content:

This error message indicates that the specified device names are not CF-eligible devices. Only those devices displayed by cftool -d are CF-eligible devices.

Corrective action:

Specify a CF eligible device that is displayed by cftool -d to the argument.

cfconfig: cannot open mconn: #04xx: generic: reason_text

Content:

Opening the CF device has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfconfig: cannot set configuration: #04xx: generic: reason_text

Content:

This message can occur if concurrent cfconfig -s or cfconfig -S commands are being run. Otherwise, this message is generated only when a failure occurs to the CF driver or other kernel components.

Corrective action:

Contact your field engineers. Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_setconfig: config file exists
```

```
OSDU_setconfig: failed to create config file (errno)
```

```
OSDU_setconfig: write failed (errno)
```

cfconfig: cannot get new configuration: #04xx: generic: reason_text**Content:**

This message indicates that the saved configuration cannot be read back. This may occur if concurrent `cfconfig -s` or `cfconfig -S` commands are being run, or if disk hardware errors are reported.

Otherwise, this message is generated only when a failure occurs to the CF driver or other kernel components.

Corrective action:

Contact your field engineers. Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_getconfig: corrupted config file
OSDU_getconfig: failed to open config file (errno)
OSDU_getconfig: failed to stat config file (errno)
OSDU_getconfig: malloc failed
OSDU_getconfig: read failed (errno)
```

cfconfig: cannot load: #04xx: generic: reason_text**Content:**

This error message indicates that the device discovery portion of the CF startup routine has failed.

Corrective action:

See error messages associated with `cfconfig -l` above.

cfconfig: Invalid argument device: '#0405: generic: no such device/resource'**Content:**

This error message indicates that required arguments to set CF over IP are not enough.

Corrective action:

Review the arguments.

cfconfig: Too many argument device: '#0405: generic: no such device/resource'**Content:**

This error message indicates that required arguments to set CF over IP are too many.

Corrective action:

Review the arguments.

cfconfig: Invalrd IP address device: '#0405: generic: no such device/resource'**Content:**

This error message indicates that the argument specified to IP address is invalid.

Corrective action:

Review the arguments.

7.1.2.4 cfconfig -g

cfconfig: cannot get configuration: #04xx: generic: reason_text

Content:

This message indicates that the CF configuration cannot be read. This may occur if concurrent cfconfig(IM) commands are being run, or if disk hardware errors are reported. Otherwise, this message is generated only when a failure occurs to the CF driver or other kernel components.

Corrective action:

Contact your field engineers. Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_getconfig: corrupted config file
OSDU_getconfig: failed to open config file (errno)
OSDU_getconfig: failed to stat config file (errno)
OSDU_getconfig: malloc failed
OSDU_getconfig: read failed (errno)
```

7.1.2.5 cfconfig -d

cfconfig: cannot get jointstate: #0407: generic: invalid parameter

Content:

This message is generated only when a failure occurs to the CF driver or other kernel components.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfconfig: cannot delete configuration: #0406: generic: resource is busy

Content:

This error message is generated if CF is still active (i.e., if CF resource(s) are active/allocated). The configuration node may not be deleted while it is an active cluster member.

Corrective action:

Stop the CF using cfconfig -u and then re-execute the command.

cfconfig: cannot delete configuration: #04xx: generic: reason_text

Content:

You must have administrator authorities to start, stop, and configure CF. This message is generated when a failure occurs the CF driver or other kernel components.

Corrective action:

Contact your field engineers. Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_delconfig: failed to delete config file (errno)
```

7.2 cipconfig messages

When the cipconfig command is executed and an error occurs, an error message is printed to stderr.

The display format is as follows:

```
cipconfig: Message text
```



See

For details on cipconfig command options and related functions, see the manual page of "cipconfig" command.

The manual page also describes all related command output formats, except error messages.

7.2.1 Usage message

A usage message will be generated if:

- Multiple cipconfig options are specified (all options are mutually exclusive).
- An invalid cipconfig option is specified.
- No cipconfig option is specified.
- The "-h" option is specified.

```
usage: cipconfig [-l|-u|-h]
```

```
-l start/load
```

```
-u stop/unload
```

```
-h help
```

7.2.2 Error messages

This section explains messages that are output upon error occurrence at executing the cipconfig command for each option specified to the command.

7.2.2.1 cipconfig -l

**cipconfig: could not start CIP - detected a problem with CF.
cipconfig: cannot open mconn: #04xx: generic:reason_text**

Content:

Getting the node state information from CF has failed. Or, opening the CF device has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cipconfig: cannot setup cip: #04xx: generic: reason_text

Content:

The CIP startup routine has failed. There may be problems with the configuration file. Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_cip_start: cip kickoff failed (errno)
```

```
OSDU_cip_start: dl_attach failed: devpathn
```

```
OSDU_cip_start: dl_bind failed: devpathn
```

```
OSDU_cip_start: dl_info failed: devpath
```

```
OSDU_cip_start: failed to open device: /dev/cip (errno)
```

```
OSDU_cip_start: failed to open device: devpath (errno)
```

```
OSDU_cip_start: I_PLINK failed: devpath (errno)
```

OSDU_cip_start: POPing module failed: *errno*

OSDU_cip_start: ppa *n* is not valid: *devpath*

OSDU_cip_start: setup controller/speed failed: *devpath (errno)*

If the device driver for any of the network interfaces used by CIP responds in an unexpected way to DLPI messages, additional message output may occur:

dl_info: DL_INFO_REQ putmsg failed (*errno*)

dl_info: getmsg for DL_INFO_ACK failed (*errno*)

dl_attach: DL_ACCESS error

dl_attach: DL_ATTACH_REQ putmsg failed (*errno*)

dl_attach: DL_BADPPA error

dl_attach: DL_OUTSTATE error

dl_attach: DL_SYSERR error

dl_attach: getmsg for DL_ATTACH response failed (*errno*)

dl_attach: unknown error

dl_attach: unknown error *hexvalue*

dl_bind: DL_ACCESS error

dl_bind: DL_BADADDR error

dl_bind: DL_BIND_REQ putmsg failed (*errno*)

dl_bind: DL_BOUND error

dl_bind: DL_INITFAILED error

dl_bind: DL_NOADDR error

dl_bind: DL_NOAUTO error

dl_bind: DL_NOTESTAUTO error

dl_bind: DL_NOTINIT error

dl_bind: DL_NOXIDAUTO error

dl_bind: DL_OUTSTATE error

dl_bind: DL_SYSERR error

dl_bind: DL_UNSUPPORTED error

dl_bind: getmsg for DL_BIND response failed (*errno*)

dl_bind: unknown error

dl_bind: unknown error *hexvalue*

Corrective action:

If these messages appear and they do not seem to be associated with problems in your CIP configuration file, contact field engineers.

7.2.2.2 cipconfig -u

cipconfig: cannot unload cip: #04xx: generic: reason_text

Content:

The CIP shutdown routine has failed. Usually this mean that another PRIMECLUSTER Layered Service has a CIP interface open (active).

Corrective action:

Stop the currently open interface. Additional error messages, for this case, may also be generated in the system log file:

```
OSDU_cip_stop: failed to unload cip driver
```

```
OSDU_cip_stop: failed to open device: /dev/cip (errno)
```

7.3 cftool messages

When the cftool command is executed and an error occurs, an error message is printed to stderr.

The display format is as follows:

```
cftool: Message text
```



See

.....

For details on cftool command options and related functions, see the manual page of "cftool" command.

The manual page also describes all related command output formats, except error messages.

.....

7.3.1 Usage message

A usage message will be generated if:

- Conflicting cftool options are specified (some options are mutually exclusive).
- An invalid cftool option is specified.
- No cftool option is specified.
- The "-h" option is specified.

```
usage: cftool [-c][-l][-n][-r][-d][-v][-p][-e][-i nodename][-A cluster][-T timeout]
```

```
[-F][-C count][-l nodename][-E xx.xx.xx.xx.xx.xx][-P][-m][-u][-k][-q][-h]
```

```
-c clustername
```

```
-l local nodeinfo
```

```
-n nodeinfo
```

```
-r routes
```

```
-d devinfo
```

```
-v version
```

```
-p ping
```

```
-e echo
```

```
-i icf stats for nodename
```

```
-m mac stats
```

```
-u clear all stats
```

- k set node status to down
- q quiet mode
- h help
- F flush ping queue. Be careful, please
- T timeout millisecond ping timeout
- I raw ping test by node name
- P raw ping
- A cluster ping all interfaces in one cluster
- E xx.xx.xx.xx.xx.xx raw ping by 48-bit physical address
- C count stop after sending count raw ping messages

A device can either be a network device or an IP device like /dev/ip[0-3] followed by the IP address and broadcast address number. Specify an IP address and broadcast address after a device name.

7.3.2 Error messages

This section explains messages that are output upon error occurrence at executing the cftool command for each option specified to the command.

7.3.2.1 Common to all options

cftool: CF not yet initialized

Content:

CF has not been initialized.

Corrective action:

After starting the CF, execute the command.

7.3.2.2 cftool -c

cftool: failed to get cluster name: #xxxx: service: reason_text

Content:

Getting the cluster name from CF has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.3 cftool -d

cftool: cannot open mconn: #04xx: generic: reason_text

Content:

Opening the CF device has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.4 cftool -e

cftool: cannot open mconn: #04xx: generic: reason_text

Content:

Opening the CF device has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.5 cftool -i nodename

cftool: nodename: No such node

cftool: cannot get node details: #xxxx: service:reason_text

Content:

Either of these messages indicates that the specified nodename is not an active cluster node at this time.

Corrective action:

Specify a currently active cluster node to the argument.

cftool: cannot open mconn: #04xx: generic: reason_text

Content:

Opening the CF device has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.6 cftool -k

cftool(down): illegal node number

Content:

This message indicates that the specified node number is non-numeric or is outside valid range (other than 1-64).

Corrective action:

Specify a value outside valid range (other than 1-64) for the node number.

cftool(down): not executing on active cluster node

Content:

This message is generated if the command is executed either on a node that is not an active cluster node or on the specified LEFTCLUSTER node itself.

Corrective action:

Execute the command on the currently active cluster node.

cftool(down): cannot declare node down: #0426: generic: invalid node name

cftool(down): cannot declare node down: #0427: generic: invalid node number

cftool(down): cannot declare node down: #0428: generic: node is not in LEFTCLUSTER state

Content:

One of these messages will be generated if the supplied information does not match an existing cluster node in LEFTCLUSTER state.

Corrective action:

Correctly specify the cluster node information in the LEFTCLUSTER state.

cftool(down): cannot declare node down: #xxxx: service:reason_text

Content:

Declaring DOWN of the specified cluster has failed because of an internal error.

Corrective action:

This message is generated only when a failure occurs to the CF driver or other kernel components.

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.7 cftool -l

cftool: cannot get nodename: #04xx: generic: reason_text

cftool: cannot get the state of the local node: #04xx: generic:reason_text

Content:

Getting the node name from CF has failed. Or, Getting the JOIN state from CF has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.8 cftool -m

cftool: cannot open mconn: #04xx: generic: reason_text

cftool: cannot get icf mac statistics: #04xx: generic: reason_text

Content:

Opening the CF device or getting the MAC statistics information has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.9 cftool -n

cftool: cannot get node id: #xxxx: service: reason_text

cftool: cannot get node details: #xxxx: service:reason_text

Content:

Getting the node ID from CF or the node information from CF has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.10 cftool -p

cftool: cannot open mconn: #04xx: generic: reason_text

Content:

Opening the CF device has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.11 cftool -r

cftool: cannot get node details: #xxxx: service: reason_text

Content:

Getting the node information from CF has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.12 cftool -u

cftool: cannot open mconn: #04xx: generic: reason_text

cftool: clear icf statistics: #04xx: generic: reason_text

Content:

Opening the CF device or clearing the ICF statistics information of CF has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.3.2.13 cftool -v

cftool: cannot open mconn: #04xx: generic: reason_text

cftool: unexpected error retrieving version: #04xx: generic: reason_text

Content:

Opening the CF device or getting the version information from CF has failed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.4 rcqconfig messages

When the rcqconfig command is executed and an error occurs, an error message is printed to standard error output (stderr).

The detailed error message during execution of cfconfig -l is recorded only at the system log and not at standard output or standard error output.

The display format is as follows:

rcqconfig: <i>Message text</i>

 See

.....
For details on rcqconfig command options and related functions, see the manual page of "rcqconfig" command.
.....

7.4.1 Usage message

A usage message will be generated if:

- Multiple cfconfig options are specified (some options are mutually exclusive).
- An invalid rcqconfig option is specified.
- The "-h" option is specified.

usage: rcqconfig [-g | -h] or

rcqconfig -s or

rcqconfig [-v] [-c]

[-a Add-node-1 ...Add-node-n]

[-x Ignore-node-1 ...Ignore-node-n]

[-d Delete-node-1 ...Delete-node-n]

[-m quorum-method-1 ... quorum-method-n]

7.4.2 Error messages

This section explains messages that are output upon error occurrence at executing the rcqconfig command for each option specified to the command.

7.4.2.1 Common to all options

rcqconfig -a node-1 node-2 node-n -g and -a cannot exist together.

Content:

The options -g and -a cannot be specified at a time.

Corrective action:

Specify with correct syntax definition, referring to the manual page.

Nodename is not valid nodename.

Content:

This error message indicates that the node name is not specified or longer than 31 bytes.

Corrective action:

Specify with correct syntax definition, referring to the manual page.

rcqconfig : failed to start

Content:

The error is reported if rcqconfig fails to start.

Corrective action:

Check the reason message that is printed at the same time with this message.

rcqconfig failed to configure qsm since quorum node set is empty.

Content:

Quorum state machine (qsm) is the kernel module that collects the states of the cluster nodes specified in the quorum node set. This error message usually indicates that the quorum configuration does not exist.

Corrective action:

For syntax for quorum node, see the manual page of "rcqconfig" command.

cfreg_start_transaction: `#2813: cfreg daemon not present`

Content:

The rcqconfig routine has failed. This error message usually indicates that the synchronization daemon is not running on the node. The cause of error messages of this pattern may be that the cfreg daemon has died and the previous error messages in the system log or console will indicate why the daemon died.

Corrective action:

Restart the daemon using cfregd -r. If the daemon stops again, the problem cause can be identified from the error message displayed at that time. The most likely cause is the corruption of registry data.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction: `#2815: registry is busy`

Content:

The rcqconfig routine has failed. This error message usually indicates that the daemon is not in synchronized state or if the transaction has been started by another application. The cause of error message is that the registries are not in consistent state.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction: `#2810: an active transaction exists`

Content:

The rcqconfig routine has failed. This error message usually indicates that the application has already started a transaction. If the cluster is stable, the cause of error messages is that different changes may be done concurrently from multiple nodes. Therefore, it might take longer time to commit.

Corrective action:

Re-execute the command. If the problem persists, the cluster might not be in a stable state. If this is the case, unload the cluster by using cfconfig -u and reload the cluster by using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Too many nodename are defined for quorum. Max node = 64

Content:

This error message usually indicates that if the number of node specified are more than 64 for which the quorum is to be configured.

Corrective action:

Specify nodes that constitute the quorum within 64.

cfreg_get: `#2809: specified transaction invalid`

Content:

The rcqconfig routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_get: #2819: data or key buffer too small

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the specified size of the data buffer is too small to hold the entire data for the entry.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Cannot add node node that is not up.

Content:

This error message usually indicates that the user is trying to add a node whose state is not up in the NSM node space.

Corrective action:

Start up the down node or remove the node from the list which configures the quorum.

Cannot proceed. Quorum node set is empty.

Content:

This error message usually indicates that no node is specified to this option or there is no configured node. The errors will also be output to standard error (`stderr`) when start of `rcqconfig` is failed.

Corrective action:

Designate the node to the option. Or, execute the command after configuring a quorum that contains the node.

cfreg_put: #2809: specified transaction invalid

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: #2820: registry entry data too large

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the specified size data is larger than 28K.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.4.2.2 rcqconfig -s

stopping quorum space methods `#0408: unsuccessful`

Content:

The rcqconfig routine has failed. This error message usually indicates that there is no method specified.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.4.2.3 rcqconfig -x ignore_node-1 ignore_node-n

-g and -x cannot exist together.

Content:

This error message usually indicates that get configuration option (-g) cannot be specified with this option (-x).

Corrective action:

Specify with correct syntax definition, referring to the manual page.

Nodename is not valid nodename.

Content:

This error message indicates that the node name is not specified or longer than 31 bytes.

Corrective action:

Specify with correct syntax definition, referring to the manual page.

rcqconfig : failed to start

Content:

The error is reported if rcqconfig fails to start.

Corrective action:

Check the reason message that is printed at the same time with this message.

cfreg_start_transaction:`#2813: cfreg daemon not present`

Content:

The rcqconfig routine has failed. This error message usually indicates that the synchronization daemon is not running on the node. The cause of error messages of this pattern may be that the cfreg daemon has died and the previous error messages in the system log or console will indicate why the daemon died.

Corrective action:

Restart the daemon using cfregd -r. If the daemon stops again, the problem cause can be identified from the error message displayed at that time. The most likely cause is the corruption of registry data.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction:`#2815: registry is busy`

Content:

The rcqconfig routine has failed. This error message usually indicates that the daemon is not in synchronized state or if the transaction has been started by another application.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction: `#2810: an active transaction exists`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the application has already started a transaction. If the cluster is stable, the cause of error messages is that different changes may be done concurrently from multiple nodes. Therefore, it might take longer time to commit.

Corrective action:

Re-execute the command. If the problem persists, the cluster might not be in a stable state. The error messages in the log will indicate the problem. If this is the case, unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Too many ignore node names are defined for quorum.Max node = 64

Content:

This error message usually indicates that if the number of `ignore_node` specified are more than 64.

Corrective action:

Specify a number of 64 or less for `ignore_node`.

cfreg_get: `#2809: specified transaction invalid`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_get: `#2804: entry with specified key does not exist`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the specified entry does not exist.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_get: `#2819: data or key buffer too small`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the specified size of the data buffer is too small to hold the entire data for the entry.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Can not add node node that is not up.

Content:

This error message usually indicates that the user is trying to add a node whose state is not up in the NSM node space.

Corrective action:

Start up the down node or remove the node from the list which configures the quorum.

Can not proceed. Quorum node set is empty.

Content:

This error message usually indicates that no node is specified to this option or there is no configured node.

Corrective action:

Designate the node to the option. Or, execute the command after configuring a quorum that contains the node.

cfreg_put: `#2809: specified transaction invalid`

Content:

The rcqconfig routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: `#2820: registry entry data too large`

Content:

The rcqconfig routine has failed. This error message usually indicates that the event information (data being passed to the kernel) to be used for other sub-systems) is larger than 32K.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: `#2807: data file format is corrupted`

Content:

The rcqconfig routine has failed. This error message usually indicates that the registry data file format has been corrupted.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cms_post_event: `#0c01: event information is too large`

Content:

The rcqconfig routine has failed. This error message usually indicates that the event information (data being passed to the kernel) to be used for other sub-systems) is larger than 32K.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.4.2.4 rcqconfig -m method_name-1 ... method_name -n

-g and -m cannot exist together.

Content:

This error message usually indicates that get configuration option (-g) cannot be specified with this option (-m).

Corrective action:

Specify with correct syntax definition, referring to the manual page.

Methodname is not valid method name.

Content:

This error message indicates that the node name is not specified or longer than 31 bytes.

Corrective action:

Specify with correct syntax definition, referring to the manual page.

rcqconfig : failed to start

Content:

The error is reported if rcqconfig fails to start.

Corrective action:

Check the reason message that is printed at the same time with this message.

cfreg_start_transaction: `#2813: cfreg daemon not present`

Content:

The rcqconfig routine has failed. This error message usually indicates that the synchronization daemon is not running on the node. The cause of error messages of this pattern may be that the cfreg daemon has died and the previous error messages in the system log or console will indicate why the daemon died.

Corrective action:

If the daemon stops again, the problem cause can be identified from the error message displayed at that time. The most likely cause is the corruption of registry data.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction: `#2815: registry is busy`

Content:

The rcqconfig routine has failed. This error message usually indicates that the daemon is not in synchronized state or if the transaction has been started by another application. The cause of error message is that the registries are not in consistent state.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction: `#2810: an active transaction exists`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the application has already started a transaction. If the cluster is stable, the cause of error messages is that different changes may be done concurrently from multiple nodes. Therefore, it might take longer time to commit.

Corrective action:

Re-execute the command. If the problem persists, the cluster might not be in a stable state. Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Too many method names are defined for quorum. Max method = 8

Content:

This error message usually indicates that if the number of methods specified is more than 8.

Corrective action:

Designate the number of methods within 8.

cfreg_get: `#2809: specified transaction invalid`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_get: `#2804: entry with specified key does not exist`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the specified entry does not exist.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_get: `#2819: data or key buffer too small`

Content:

The `rcqconfig` routine has failed. This error message usually indicates that the specified size of the data buffer is too small to hold the entire data for the entry.

Corrective action:

Unload the cluster using `cfconfig -u` and then reload using `cfconfig -l`.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: #2809: specified transaction invalid

Content:

The rcqconfig routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: #2820: registry entry data too large

Content:

The rcqconfig routine has failed. This error message usually indicates that the event information (data being passed to the kernel) to be used for other sub-systems) is larger than 32K.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: #2807: data file format is corrupted

Content:

The rcqconfig routine has failed. This error message usually indicates that the registry data file format has been corrupted.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cms_post_event: #0c01: event information is too large

Content:

The rcqconfig routine has failed. This error message usually indicates that the event information (data being passed to the kernel) to be used for other sub-systems) is larger than 32K.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.4.2.5 rcqconfig -d node-1 node-2 node-n

-g and -d cannot exist together.

Content:

This error message usually indicates that get configuration option (-g) cannot be specified with this option (-d).

Corrective action:

Specify with correct syntax definition, referring to the manual page.

Nodename is not valid nodename.

Content:

This error message indicates that the node name is not specified or longer than 31 bytes.

Corrective action:

Specify with correct syntax definition, referring to the manual page.

rcqconfig : failed to start

Content:

The error is reported if rcqconfig fails to start.

Corrective action:

Check the reason message that is printed at the same time with this message.

cfreg_start_transaction: #2813: cfreg daemon not present

Content:

The rcqconfig routine has failed. This error message usually indicates that the synchronization daemon is not running on the node. The cause of error messages of this pattern may be that the cfreg daemon has died and the previous error messages in the system log or console will indicate why the daemon died.

Corrective action:

Restart the daemon using cfregd -r. If the daemon stops again, the problem cause can be identified from the error message displayed at that time. The most likely cause is the corruption of registry data.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction: #2815: registry is busy

Content:

The rcqconfig routine has failed. This error message usually indicates that the daemon is not in synchronized state or if the transaction has been started by another application. The cause of error message is that the registries are not in consistent state.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_start_transaction: #2810: an active transaction exists

Content:

The rcqconfig routine has failed. This error message usually indicates that the application has already started a transaction. If the cluster is stable, the cause of error messages is that different changes may be done concurrently from multiple nodes. Therefore, it might take longer time to commit.

Corrective action:

Re-execute the command. If the problem persists, the cluster might not be in a stable state. Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Too many nodename are defined for quorum. Max node = 64

Content:

This error message usually indicates that if the number of node specified are more than 64 for which the quorum is to be configured.

Corrective action:

Specify nodes that constitute the quorum within 64.

cfreg_get: #2809: specified transaction invalid

Content:

The rcqconfig routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_get: #2804: entry with specified key does not exist

Content:

The rcqconfig routine has failed. This error message usually indicates that the specified entry does not exist.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_get: #2819: data or key buffer too small

Content:

The rcqconfig routine has failed. This error message usually indicates that the specified size of the data buffer is too small to hold the entire data for the entry.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: #2809: specified transaction invalid

Content:

The rcqconfig routine has failed. This error message usually indicates that the information supplied to get the specified data from the registry is not valid (e.g. transaction is aborted due to time expiration or stop of synchronized daemon, etc.).

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: #2820: registry entry data too large

Content:

The rcqconfig routine has failed. This error message usually indicates that the specified size data is larger than 28K.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cfreg_put: `#2807: data file format is corrupted`

Content:

The rcqconfig routine has failed. This error message usually indicates that the registry data file format has been corrupted.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

cms_post_event: `#0c01: event information is too large`

Content:

The rcqconfig routine has failed. This error message usually indicates that the event information (data being passed to the kernel) to be used for other sub-systems) is larger than 32K.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.5 rcquery messages

The rcquery command will generate an error message on stderr if an error condition is detected. Additional messages, giving more detailed information about this error, may be obtained from the support routines of the libcf library. Please note that these additional error messages will only be written to the system log file, and will not be printed to stdout or stderr.

The display format is as follows:

```
rcquery: Message text
```



See

For details on rcquery command options and related functions, see the manual page of "rcquery" command.

7.5.1 Usage message

A usage message will be generated if:

- An invalid rcquery option is specified.
- The "-h" option is specified.

Usage: rcquery [-v] [-l] [-h]

-v verbose

-l loop

-h help

7.5.2 Error messages

This section explains messages that are output upon error occurrence at executing the rcquery command for each option specified to the command.

7.5.2.1 rcquery -v -l

failed to register user event `# 0c0b: user level ENS event memory limit overflow`

Content:

The rcquery routine has failed. It usually indicates that either the total amount of memory allocated or the amount of memory allocated for use on a per-open basis exceed the upper limit.

Corrective action:

Unload the cluster using cfconfig -u and then reload using cfconfig -l.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.6 panicinfo_setup messages (Linux)

This section explains messages that are printed when the panicinfo_setup command is executed. If the command fails for reasons, a message corresponding to the cause is printed to stderr.

The display format is as follows:

<i>Priority: Message text</i>

Check the priority of the message and see the reference listed in table below.

Priority	Reference
WARNING	"7.6.1 Warning message"
ERROR	"7.6.2 Error messages"

7.6.1 Warning message

This section explains warning message for the shutdown facility.

**WARNING: /etc/panicinfo.conf file already exists.
(I)nitalize, (C)opy or (Q)uit (I/C/Q) ?**

Content:

The panicinfo configuration file already exists.

Corrective action:

Enter "I" to initialize the panicinfo definition file, "C" to distribute the panicinfo definition file on the command execution node, and "Q" to terminate the command.

7.6.2 Error messages

This section explains error messages for the shutdown facility, in the alphabetical order.

ERROR: <command> failed

Content:

Execution of the command *command* failed.

Corrective action:

Check that the command *command* can be executed normally on the command executed node, referring to the returned value from the command. After check is complete, re-execute the command.

ERROR: <command> failed on <node>

Content:

The command *command* failed on the node *node*.

Corrective action:

Check that the command *command* can be executed normally on the node *node*, referring to the returned value from the command. After check is complete, re-execute the command.

ERROR: <command> timeout

Content:

Timeout occurred during execution of the command *command*.

Corrective action:

Check that the command *command* can be executed normally on the command executed node, referring to the returned value from the command. After check is complete, re-execute the command.

ERROR: failed to distribute index file to <node>

Content:

Distribution of the index file to node *node* failed.

Corrective action:

Confirm that the CF services (CFSH, CFPC) have been set correctly, referring to "Setting Up CF and CIP" of "PRIMECLUSTER Installation and Administration Guide."

If the CF services have been set correctly, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: failed to distribute /etc/panicinfo.conf file to <node>

Content:

Distribution of the panicinfo definition file to node *node* failed.

Corrective action:

Confirm that the CF services (CFSH, CFPC) have been set correctly, referring to "Setting Up CF and CIP" of "PRIMECLUSTER Installation and Administration Guide."

If the CF services have been set correctly, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: /etc/sysconfig/netdump is invalid on <node>

ERROR: Cannot find the Netdump client's IP address for <device> on <node>

Content:

Reading of the Netdump client settings on the node *node* failed.

Corrective action:

Confirm that Netdump is normally set up.

ERROR: failed to change mode of index file on <node>**Content:**

Changing the mode of index file on node *node* failed.

Corrective action:

Confirm that the `chmod` command can be executed normally on node *node* for the `"/etc/opt/FJSVcilkcd/etc/SA_lkcd.idx"` file, and then re-execute the command.

If the command cannot be executed normally, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: failed to patch rcsd.cfg on <node>**Content:**

Updating the `rcsd.cfg` failed on the node *node*.

Corrective action:

Confirm that the `"/etc/opt/SMAW/SMAWsf/rcsd.cfg"` file is included in the node *node*, and then re-execute the command.

ERROR: failed to change owner of index and rcsd.cfg file on <node>**Content:**

Changing the owner of files on the node *node* failed.

Corrective action:

Confirm that the `chown` command can be executed normally for the `"/etc/opt/FJSVcilkcd/etc/SA_lkcd.idx"` file and `"/etc/opt/SMAW/SMAWsf/rcsd.cfg"` file on the node *node*, and then re-execute the command.

If the command cannot be executed normally, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: failed to change group of index and rcsd.cfg file on <node>**Content:**

Changing the owner group of files on the node *node* failed.

Corrective action:

Confirm that the `chgrp` command can be executed normally for the `"/etc/opt/FJSVcilkcd/etc/SA_lkcd.idx"` file and `"/etc/opt/SMAW/SMAWsf/rcsd.cfg"` file on the node *node*, and then re-execute the command.

If the command cannot be executed normally, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: failed to change mode of /etc/panicinfo.conf file on <node>**Content:**

Changing the mode of `panicinfo` configuration definition file on node *node* failed.

Corrective action:

Confirm that the `chmod` command can be executed normally on node *node* for the `"/etc/panicinfo.conf"` file, and then re-execute the command.

If the command cannot be executed normally, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: failed to change owner of /etc/panicinfo.conf file on <node>

Content:

Changing the owner of panicinfo configuration definition file on the node *node* failed.

Corrective action:

Confirm that the chmod command can be executed normally on node *node* for the "/etc/panicinfo.conf" file, and then re-execute the command.

If the command cannot be executed normally, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: failed to change group of /etc/panicinfo.conf file on <node>

Content:

Changing the owner group of panicinfo configuration definition file on the node *node* failed.

Corrective action:

Check that chgrp command is executed normally for the "/etc/panicinfo.conf" file on the node *node*, and then execute the command again.

If the command cannot be executed normally, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: internal error, ...

Content:

An internal error occurred in the program.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

ERROR: Reading the Shutdown Agent configuration failed.

Content:

Reading Shutdown Agent configuration failed. You might have set the Shutdown Agent incorrectly.

Corrective action:

Confirm that Shutdown Agent configuration is correct then execute the command again.

ERROR: Reading the Shutdown Facility configuration failed.

Content:

Reading Shutdown Facility configuration failed. You might have set the Shutdown Facility incorrectly.

Corrective action:

Make sure the configuration of the SF is complete and then execute the command again.

ERROR: The Blade Shutdown Agent configuration cannot be found.

Content:

The configuration file for the Blade Shutdown Agent does not exist. The setting of the Blade Shutdown Agent may not have been complete.

Corrective action:

Make sure the configuration of the Blade Shutdown Agent is complete and then execute the command again.

ERROR: The IPMI Shutdown Agent configuration cannot be found.

Content:

The configuration file for the IPMI Shutdown Agent does not exist. The setting of the IPMI Shutdown Agent may not have been complete.

Corrective action:

Make sure the configuration of the IPMI Shutdown Agent is complete and then execute the command again.

ERROR: The IPMI Shutdown Agent configuration is different between nodes.

Content:

The configuration definition file of the IPMI Shutdown Agent (SA_ipmi.cfg) differs among the nodes.

Corrective action:

Conform the contents of the "/etc/opt/SMAW/SMAWsf/SA_ipmi.cfg" file on all the nodes.

After the contents of the "/etc/opt/SMAW/SMAWsf/SA_ipmi.cfg" file are conformed on all the nodes, execute the command again.

ERROR: The iRMC IP address of <node> is not set correctly in IPMI Shutdown Agent configuration. (iRMC IP address of <node> : <ip-address>)

Content:

The iRMC IP address of the node *node* is not set correctly in the configuration definition file of the IPMI Shutdown Agent. (iRMC IP address of the node *node* : *ip-address*)

Corrective action:

Correct the value of the iRMC IP address of the node *node*, which is set in the "/etc/opt/SMAW/SMAWsf/SA_ipmi.cfg" file on all the nodes.

Correct the value of the iRMC IP address to be valid, and then execute the command again.

ERROR: The RSB Shutdown Agent configuration cannot be found.

Content:

The RSB Shutdown Agent configuration file is not found. You might not have completed configuration the RSB Shutdown Agent.

Corrective action:

Confirm that RSB Shutdown Agent configuration is completed then execute the command again.

ERROR: The Shutdown Facility configuration cannot be found.

Content:

The configuration file for the SF does not exist. The setting of the SF may not have been complete.

Corrective action:

Make sure the configuration of the SF is complete and then execute the command again.

ERROR: <File name> generation failed.

Content:

Creation of the *file name* file failed.

Corrective action:

Confirm that the *file name* file can be created then execute the command again.

7.7 cfbbackup messages

This section explains messages that are printed when the cfbbackup command is executed.

Types of messages are classified as follows:

- Error message: Standard error output (stderr)
- Warning message: Log file output

The display format is as follows:

<i>Date, time, command name, message text</i>

As for details on the standard error output (error message) and log file output (warning message), see the references listed in table below.

Error type	Reference
Error message	"7.7.1 To stderr"
Warning message	"7.7.2 To log file"

All messages begin with date and time and, for certain message types, character strings follow (WARNING). Then, the command name and error text follow.

7.7.1 To stderr

This section explains standard error output messages when the cfbbackup command is executed, in the alphabetical order.

date time cfbbackup: invalid option specified

Content:

One or more invalid arguments were used to the cfbbackup command.

Corrective action:

Specify the command with correct syntax. The command syntax is as follows:

```
cfbackup [-test] [-f] [n]
```

date time cfbbackup: cmd must be run as root

Content:

The cfbbackup command must be executed with a system administrator authority.

Corrective action:

Execute with a system administrator authority.

date time cfbbackup: cbr files & directories must be accessible

Content:

The cfbbackup command must be able to access all of the CCBR basic files including /opt/SMAW/ccbr and /opt/SMAW/ccbr/plugins directories and /opt/SMAW/ccbr/ccbr.conf file.

Corrective action:

Confirm that the above CCBR basic files be accessed.

7.7.2 To log file

This section explains log file output messages when the `cfbackup` command is executed, in the alphabetical order.

date time WARNING: cfbackup: specified generation n too small - using p

Content:

The generation number specified on the `cfbackup` command is less than the value in `/opt/SMAW/ccbr/ccbr.gen`.

The larger value must be used.

date time cfbackup [FORCE] n [(TEST)] log started

Content:

This message indicates that `cfbackup` processing has begun.

date time nodename not an active cluster node

Content:

This informational message that requires no response indicates that the node is not an active PRIMECLUSTER node.

date time no runnable plug-ins! cmd aborted.

Content:

The `cfbackup` command cannot find executable scripts in the `/opt/SMAW/ccbr/plugins` directory.

Corrective action:

The PRIMECLUSTER package may not be installed adequately to the system. Check that no errors occurred during installation.

If it is installed adequately, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

date time cfbackup n ended unsuccessfully

Content:

This message indicates that the `cfbackup` command is ending with an error code of 2 or 3.

Corrective action:

Check the reason message that is printed at the same time with this message.

date time validation failed in pluginname

Content:

This error message indicates that the validation routine in one or more plugin modules has returned an error code 2 or 3 to the `cfbackup` command.

Corrective action:

Collect the file under the CCBRHOME directory defined to `/opt/SMAW/ccbr/ccbr.conf` and contact field engineers.

date time backup failed in pluginname

Content:

This error message indicates that the backup routine in one or more plugin modules has returned an error code 2 or 3 to the `cfbackup` command.

Corrective action:

Collect the file under the CCBRRHOME directory defined to /opt/SMAW/ccbr/ccbr.conf and contact field engineers.

date time archive file creation failed

Content:

This error message indicates the cbackup command cannot successfully create a tar archive file from the backup tree.

Corrective action:

Collect the file under the CCBRRHOME directory defined to /opt/SMAW/ccbr/ccbr.conf and contact field engineers.

date time archive file compression failed

Content:

This error message indicates that the cbackup command cannot create a compressed archive file (with compress).

Corrective action:

Collect the file under the CCBRRHOME directory defined to /opt/SMAW/ccbr/ccbr.conf and contact field engineers.

date time cbackup n ended

Content:

This message indicates that the cbackup command has completed all processing. The highest return code value detected while processing will be used as the return/error code or error value, whichever is the greater.

7.8 cfrestore messages

This section explains messages that are printed when the cfrestore command is executed.

Types of messages are classified as follows:

- Error message: Standard error output (stderr)
- Warning message: Log file output

The display format is as follows:

<i>Date, time, command name, message text</i>

As for details on the standard error output (error message) and log file output (warning message), see the references listed in table below.

Error type	Reference
Error message	"7.8.1 To stderr"
Warning message	"7.8.2 To log file"

All messages begin with date and time and, for certain message types, character strings follow (WARNING). Then, the command name and error text follow.

7.8.1 To stderr

This section explains standard error output messages when the cfrestore command is executed, in the alphabetical order.

date time cfrestore: invalid option specified

Content:

One or more invalid arguments were used to the cfrestore command.

Corrective action:

Specify using the correct command syntax, which is:

```
cfrestore [-test] [-f] [p] [-y] [-M] [n]
```

Note:

-test

It can be used by plug-in developers. It will cause the \$CCBROOT tree to remain after a successful run (it is usually deleted). Also, the cpio step will restore all saved files to /tmp/ccbr instead of /---, which gives plug-in developers a chance to check results without actually executing the command.

-f

The FORCE mode option always ignores any detected critical errors and restores an archive file.

-p

In the PASS mode option, the tree extracted from the compressed archive can be specified.

-y

When confirmation is requested by the cfrestore command, "yes" is always returned.

-M

The multi-user mode also restores an archive file. Do not use this option.

n

This option specifies the backup/restore generation number to be use.

date time cfrestore: cmd must be run as root

Content:

The cfrestore command must be executed with a system administrator authority (uid=0).

Corrective action:

Execute with a system administrator authority.

date time cfrestore: cmd must be run in single-user mode

Content:

The cfrestore command must be executed in the single-user mode.

Corrective action:

Execute the command in the single-user mode.

date time cfrestore: ccb files & directories must be accessible

Content:

The cfrestore command must be able to access all of the CCBR basic files including /opt/SMAW/ccbr and /opt/SMAW/ccbr/plugins directories and /opt/SMAW/ccbr/ccbr.conf file.

Corrective action:

Confirm that the above CCBR basic files be accessed.

7.8.2 To log file

This section explains log file output messages when the cfrestore command is executed, in the alphabetical order.

date time cfrestore [FORCE] [TREE] [YES] n [(TEST)] log started

Content:

This message indicates that cfrestore processing has begun.

date time ERROR: nodename IS an active cluster node

Content:

This error message indicates that the specified node is an active PRIMECLUSTER node. In this case, restoring cluster configuration information at this time may lead to severe errors.

Corrective action:

If restore needs to be done, execute after stopping the node.

date time cfrestore n ended unsuccessfully

Content:

This message indicates that the cfrestore command is ending with an error code of 2 or 3.

Corrective action:

Check the reason message that is output at the same time with this message.

date time no runnable plug-ins! cmd aborted.

Content:

The cfrestore command cannot find executable scripts in the /opt/SMAW/ccbr/plugins directory.

Corrective action:

The PRIMECLUSTER package may not be installed adequately to the system. Check that no errors occurred during installation.

If it is installed adequately, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

date time unable to find selected archive file: archivefile

Content:

This message indicates that the cfrestore command cannot locate the archive file at \$CCBROOT.tar.Z (Solaris). The CCBROOT value is set using nodename and generation number.

Corrective action:

Confirm that the archive file exists.

date time archive file uncompression failed

Content:

This error message indicates that the cfrestore command cannot expand the compressed archive file (with uncompress).

Corrective action:

Collect the file under CCBRHOME directory designed by /opt/SMAW/ccbr/ccbr.conf. Then, contact field engineers.

date time archive file extraction failed

Content:

This error message indicates the cfrestore command cannot successfully expand a backup tree from the tar archive file.

Corrective action:

Collect the file under CCBRHOME directory designed by /opt/SMAW/ccbr/ccbr.conf. Then, contact field engineers.

date time archive file recompression failed**Content:**

This error message indicates that the cfrestore command cannot create a compressed archive file (with compress).

Corrective action:

Collect the file under CCBRRHOME directory designed by /opt/SMAW/ccbr/ccbr.conf. Then, contact field engineers.

date time warning: backup created with FORCE option**Content:**

This warning message indicates that cfbackup created the archive file with the FORCE option specified (usually created ignoring the error).

Corrective action:

Make sure to confirm that restore of this data is valid, referring to the error log file of the backup archive.

date time plugin present at backup is missing for restore: pluginname**Content:**

This error message indicates that the named plugin module is missing from the /opt/SMAW/ccbr/plugins directory. This usually indicates that a PRIMECLUSTER package has been uninstalled or it is not reinstalled, or that the new and old packages have different named plugins.

Corrective action:

Collect the file under CCBRRHOME directory designed by /opt/SMAW/ccbr/ccbr.conf. Then, contact field engineers.

date time negative reply terminates processing**Content:**

This error message indicates that the reply to the question (asked by cfrestore), "Are you sure you want to continue (y/n) ?", was not answered with "yes." Processing may be terminated unless the FORCE mode has been specified.

Corrective action:

Respond "yes" to the above inquiry.

date time plugin validation failed**Content:**

This error message indicates that the validation routine in one or more plugin modules has returned an error code 2 or 3 to the cfbackup command. The validation routine may be ended up with a failure. Validation, however, will continue so that all plugin modules have a chance to identify problems.

Corrective action:

Collect the file under CCBRRHOME directory designed by /opt/SMAW/ccbr/ccbr.conf. Then, contact field engineers.

date time cpio copy for cfrestore failed**Content:**

This error message indicates that the automatic cpio restore of all file trees rooted in the "root" subdirectory of the backup tree failed in execution. The cpio command is executed in verbose mode, so that there will be the history to show which files were restored. This may possibly cause a critical error.

Corrective action:

Manually restore the modified file.

date time NOTE: no root subdirectory for cpio copy step**Content:**

This warning message indicates that cfirestore did not find any files to automatically restore from the backup tree. This is usually an error, probably indicating a damaged backup archive.

Corrective action:

Collect the file under CCBRRHOME directory designed by /opt/SMAW/ccbr/ccbr.conf. Then, contact field engineers.

date time plugin restore failed**Content:**

This error message indicates that the restore routine of the identified plugin module has returned an error code of 2 or 3 to the cfirestore command. Only a small number of plugins will need to provide an active restore routine. Restore will continue so that all plugins have a chance to identify problems.

Corrective action:

Any problems at this time, after the automatic cpio restore, will need to be examined individually and fixed manually.

date time cfirestore n ended**Content:**

This message indicates that the cfirestore command has completed all processing. The highest return code value detected while processing will be used as the return/error code or error value, whichever is the greater.

7.9 wgcnfclient messages (Solaris)

This section explains messages that are displayed during wgcnfclient command, in the order of message numbers.

The display format is as follows:

<i>Message number: message text</i>

0000: Message not found!!**Corrective action:**

An unexpected error occurred.

If the same error is output again when you re-execute, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0001: Illegal option.**Corrective action:**

Confirm how to specify the option and option argument, and then execute the command correctly.

0002: No system administrator authority.**Corrective action:**

Execute the command with a system administrator authority.

0003: File not found. (file:file-name)**Corrective action:**

The operation environment file (file-name) does not exist.

Re-install the "FJSVwvucw" package.

0004: The edit of the file failed.**Corrective action:**

This message could be output when the state of the system is unstable such as when there is insufficient memory. If this message is displayed for any other reasons, follow the instructions given as the corrective action.

If the error still cannot be solved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0005: Unknown keyword. (keyword:keyword)**Corrective action:**

Confirm the specified keyword, and then execute the command with the correct keyword.

0006: The distribution of the file failed.**Corrective action:**

Confirm that CRM is running on all cluster nodes including the node on which the command was executed. Activate CRM on all the nodes if necessary, and then execute the command.

Check whether the state of any cluster node is unstable because of insufficient memory, and then re-execute the command. If you specify the "-v" option at this time, you can determine the node on which the failure occurred.

If the error still cannot be solved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0007: The cluster configuration management facility is not running.**Corrective action:**

Confirm that CRM is running on all cluster nodes including the node on which the command was executed. Activate CRM on all the nodes if necessary, and then execute the command.

Check whether the state of any cluster node is unstable because of insufficient memory, and then execute the command several times. If you specify the "-v" option at this time, you can determine the node on which the failure occurred.

If the error still cannot be solved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

0009: The command received a signal.**Corrective action:**

A signal is received during execution of the command.

If the error still cannot be solved, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.10 clrwzconfig messages (Linux)

This section explains messages that are output when the clrwzconfig command is executed on Linux.

The display format is as follows:

<i>Message number: message text</i>

Check the message number, and see the corresponding section indicated in the table below.

Message No.	Reference
from 8000	"7.10.1 Information messages"
from 8050	"7.10.2 Warning message"
from 8100	"7.10.3 Error messages"

7.10.1 Information messages

This section explains information messages output when `clrwzconfig` command is executed in the order of message numbers. As an information message indicates the current state, no corrective action is required.

8000. Cluster application information was registered in the cluster resource management facility.

8001. Cluster application information was removed from the cluster resource management facility.

8002. Cluster application information has been registered in the cluster resource management facility.

8020. Cluster application information will be removed from the cluster resource management facility. Are you sure you want to continue? (yes/no)

7.10.2 Warning message

This section explains warning messages output when the `clrwzconfig` command is executed in the order of message numbers.

8050. Cluster application information is not registered in the cluster resource management facility. Add the information.

7.10.3 Error messages

This section explains error messages output when the `clrwzconfig` command is executed in the order of message numbers.

8100. illegal option.
Usage: `clrwzconfig [-d config_name | -c]`

Content:

The option specified to the command is incorrect.

Corrective action:

Specify the option correctly as instructed in how to use the command and re-execute.

8101. The cluster configuration management facility is not running.
Start it on all the cluster nodes.

Content:

The command is terminated abnormally, as the configuration management facility for cluster control is not running.

Corrective action:

Start configuration management facilities on all the nodes that constitute the cluster and then retry.

8102. RMS is running.(%s)
Stop it on all the cluster nodes.

Content:

The command is terminated abnormally, as RMS has been started. To the %s, all node names (CF node names) that have been started by RMS are listed with commas as partitions.

Corrective action:

Stop RMS on all the nodes that constitute the cluster.

8103. RMS configuration has not been activated.
Please execute `clrwzconfig` command after activating RMS configuration(Configuration-Activate).

Content:

The command is terminated abnormally, as the RMS configuration file has not been distributed (Configuration-Active) or the cluster application does not exist.

Corrective action:

Execute distribution (Configuration-Activate) of the RMS configuration file, and then retry the command.

If the cluster application does not exist, this action is not necessary.

8104. RMS configuration(%s) is invalid. The current effective configuration is %s.

Content:

RMS configuration files specified by the -d option (currently inactive RMS configuration files) are displayed on %s (upper).

Already Generate/Activate, currently active RMS configuration definition files are displayed on %s (lower).

Corrective action:

Confirm if the currently active RMS configuration file needs to be deleted and then re-execute the command that specifies the currently active RMS configuration file.

8120. Registration of the Cluster application information failed.(function:%d-%s-%s detail:%d)

Content:

The %d-%s-%s displays the phase code (internal definition code), function name, and command name to which errors occurred.

The %d displays the return value of the command to which an error occurred.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

8130. Deleting the Cluster application information failed.(function:%d-%s-%s detail:%d)

Content:

The %d-%s-%s displays the phase code (internal definition code), function name, and command name to which errors occurred.

The %d displays the return value of the command to which an error occurred.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

8140. Checking registration of the Cluster application information failed.(function:%d-%s-%s detail:%d)

Content:

The %d-%s-%s displays the phase code (internal definition code), function name, and command name to which errors occurred.

The %d displays the return value of the command to which an error occurred.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

8150. The clrwzconfig command failed.(function:%d-%s-%s detail:%d)

Content:

The %d-%s-%s displays the phase code (internal definition code), function name, and command name to which errors occurred.

The %d displays the return value of the command to which an error occurred.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

8151. The clrwzconfig command failed. The command might have been executed concurrently.(function: %d-%s-%s detail:%d)
Execute clrwzconfig again.

Content:

The %d-%s-%s displays the phase code (internal definition code), function name, and command name to which errors occurred.

The %d displays the return value of the command to which an error occurred.

Corrective action:

Re-execute the command.

If the problem still remains, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.11 pclsnap messages

This section explains messages output when the pclsnap command is executed.

ERROR: failed to generate the output file "xxx".
DIAG: ...

Content:

The pclsnap command failed in creating the output file. The cause is insufficient free space of the output directory.

Corrective action:

Change the output directory to one with a large amount of free space, and then re-execute the command.

Example:

When the output directory is to be changed to /var/crash

```
# /opt/FJSVpclsnap/bin/pclsnap -a /var/crash/output
```

WARNING: The output file "xxx" may not contain some data files.
DIAG: ...

Content:

created, a part of the information to be collected may not be included in the output file. The cause is insufficient free space of the temporary directory.

Corrective action:

Change the temporary directory to one with sufficient free space, and then re-execute the command.

Example:

When the temporary directory is to be changed to /var/crash, specify as below:

```
# /opt/FJSVpclsnap/bin/pclsnap -a -T/var/crash output
```

If the same warning message continues to be output even after you change the temporary directory, the error may be caused by one of the following causes:

1. A timeout occurs for a specific information collecting command due to the state of the system.
2. The file from which information is to be collected is larger than the amount of free space in the temporary directory.

In the case of 1., the log of timeout occurrence is recorded in the pclsnap.elog file that is contained in the pclsnap output file. If possible, collect a crash dump from the pclsnap.elog file and from the pclsnap output file.

In the case of 2., confirm that the sizes of a. and b., below, are not larger than the amount of free space in the temporary directory:

a. Log file size

- /var/log/messages
- Log files (SMAWsf/log/rcsd.log etc.) placed under /var/opt/SMAW*/log/

b. Total size of the core files

- GFS core file
/var/opt/FJSVsfcs/cores/*
/var/lib/systemd/coredump/core.sfc*
- GDS core file
/var/opt/FJSVsdX/*core/*

If these are larger than the amount of free space in the temporary directory, move the relevant files to a partition other than neither the output directory nor the temporary directory, and then re-execute the pclsnap command. Keep the moved files without deleting.

7.12 wvstat message

This section explains messages output when the wvstat command is executed.

wvstat Warn: Can't connect to server <IP address or hostname>,<port number>

Content:

Connection to the management server failed.

Corrective action:

Check the corrective actions below.

Corrective action 1

Web-Based Admin View may not be started or Web-Based Admin View may not be set up properly. Restart Web-Based Admin View and then execute the command again. If the message is output again after this corrective action is taken, see "PRIMECLUSTER Web-Based Admin View Operation Guide" to check the setup.

Corrective action 2

In Linux environment, communication with the management server may be blocked by firewall. When using firewalld, iptables, or ip6tables as firewall, allow the communication on port numbers used by Web-Based Admin View.

For details, see "Using Firewall" in "PRIMECLUSTER Installation and Administration Guide (Linux)."

7.13 clallshutdown message

This section explains messages output when the clallshutdown command is executed.

<command> does not exist.

Content:

The command <command> does not exist.

Corrective action:

- If the command <command> is a standard OS command, installation of an OS may have failed.
In this case, install the OS again.

- If the command `<command>` is a PRIMECLUSTER command, installation of PRIMECLUSTER may have failed.
In this case, install PRIMECLUSTER again.

<command> does not execute.

Content:

The command `<command>` is not executable.

Corrective action:

- If the command `<command>` is a standard OS command, installation of an OS may have failed.
In this case, install the OS again.
- If the command `<command>` is a PRIMECLUSTER command, installation of PRIMECLUSTER may have failed.
In this case, install PRIMECLUSTER again.

No system administrator authority.(uid:<USERID>)

Content:

The user `<USERID>` is not a root user (`<USERID>` is a user ID of the user who has executed the clallshutdown command).

Corrective action:

Execute the clallshutdown command as a root user.

Error in option specification. Usage:clallshutdown -i state [-g time]

Content:

The message displays a usage of the clallshutdown command.

Corrective action:

Specify valid options to the clallshutdown command.

The node in LEFTCLUSTER state exists in cluster.(node:<LEFT_NODE>)

Content:

The node `<LEFT_NODE>` is in LEFTCLUSTER state.

Corrective action:

Resolve the LEFTCLUSTER state of the node.

Execute the clallshutdown command to stop the node safely with RMS running.

Content:

The clallshutdown command has been executed on the node without running RMS.

Corrective action:

Execute the clallshutdown command on the node with running RMS.

Fail to stop RMS. (errno:<STATUS>)

Content:

A process to stop RMS failed.
`<STATUS>` indicates the return value of the command (hvshut -a) that stops RMS.

Corrective action:

- clallshutdown command may have been executed when the userApplication is in maintenance mode status.
Cancel the maintenance mode of userApplication and then execute the clallshutdown command.

- RMS may have some problems.
For an investigation, see and follow "PRIMECLUSTER Reliant Monitor Services (RMS) with Wizard Tools Configuration and Administration Guide" for PRIMECLUSTER 4.3A30 or later, and "PRIMECLUSTER Reliant Monitor Services (RMS) Reference Guide" or "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide" for PRIMECLUSTER 4.3A20 or earlier.

The command "cftool -n" cannot finish normally.(errno:<STATUS>)

Content:

Execution of the cftool command (cftool -n) failed.
<STATUS> indicates the return value of the cftool -n.

Corrective action:

The CF may have some problems.
For an investigation, see and follow "Diagnostics and troubleshooting" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide" or "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The command "clexec" cannot finish normally.

Content:

Execution of the clexec command failed.

Corrective action:

The CF may have some problems.
For an investigation, see and follow "Diagnostics and troubleshooting" in "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide" or "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

<CONF_FILE> does not exist.

Content:

The configuration file of the clallshutdown command <CONF_FILE> does not exist.

Corrective action:

Installation of PRIMECLUSTER may have failed.
In this case, install PRIMECLUSTER again.

7.14 sfrpdupoweron command messages (Solaris)

This section explains messages output when the sfrpdupoweron command is executed.

The error messages or other messages of the sfrpdupoweron command are output to stderr in the following format.

Priority: Message text

Check the priority of the message and see the reference listed in table below.

Priority	Reference
No output	"7.14.1 Information message"
WARNING	"7.14.2 Warning messages"
ERROR	"7.14.3 Error messages"

7.14.1 Information message

All outlets are power-on.

Content:

All the outlets which connected with the specified CF node are power-on.

Corrective action:

No action is required.

7.14.2 Warning messages

WARNING: getting outlet status failed, ignore. node=*nodename*, ip=*ipaddress*, outlet=*number*, rc=*value*

Content:

Getting the outlet status of the Remote Power Distribution Unit has failed; however, the error was ignored.

This message is output if the error of the outlet operation is ignored by specifying the -f option.

Corrective action:

See the corrective action in "ERROR: getting outlet status failed." and take the action if necessary.

WARNING: outlet is still power-off, ignore. node=*nodename*, ip=*ipaddress*, outlet=*number*

Content:

The outlet status of the Remote Power Distribution Unit has not been switched; it is still power-off; however, the error was ignored.

This message is output if the error of the outlet operation is ignored by specifying the -f option.

Corrective action:

See the corrective action in "ERROR: outlet is still power-off." and take the action if necessary.

WARNING: outlet power-on failed, ignore. node=*nodename*, ip=*ipaddress*, outlet=*number*, rc=*value*

Content:

The processing for changing the outlet status of the Remote Power Distribution Unit to power-on has failed; however, the error was ignored.

This message is output if the error of the outlet operation is ignored by specifying the -f option.

Corrective action:

See the corrective action in "ERROR: outlet power-on failed." to take the action if necessary.

7.14.3 Error messages

ERROR: configuration file SA_rpdu.cfg is not existing. errno=*errno*

Content:

The configuration file does not exist.

Corrective action:

The sfrpdupowerton command uses a common configuration file with the RPDU Shutdown Agent.

Set up the RPDU Shutdown Agent.

For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

ERROR: getting outlet status failed. node=*nodename*, ip=*ipaddress*, outlet=*number*, rc=*value*

Content:

Getting the outlet status of the Remote Power Distribution Unit has failed.

Corrective action:

Check the following points:

Corrective action 1

- Check if any error occurred in the Remote Power Distribution Unit.

See the manual of the Remote Power Distribution Unit to check if any error occurred in the Remote Power Distribution Unit. Follow the manual and take the corrective action.

Corrective action 2

- Check if the following items of the Remote Power Distribution Unit which is specified in the RPDU Shutdown Agent are set correctly: IP address, outlet number, user name, and password.

Check the setting of the RPDU Shutdown Agent.

For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is correctly connected to the HUB connector or the LAN port connector of the Remote Power Distribution Unit.
- The firmware is not restarted nor updated in the Remote Power Distribution Unit.
- The user who accesses the Remote Power Distribution Unit has the required authority.

The required authority may not be given to the user specified for the setting of the RPDU Shutdown Agent. For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If the above corrective actions cannot solve this error, record this message and collect information for an investigation. Then, contact field engineers.

ERROR: illegal configuration file. line: *number*

Content:

The configuration file has an error.

Corrective action:

The `sfrpdupowerron` command uses a common configuration file with the RPDU Shutdown Agent.

Set up the RPDU Shutdown Agent again.

For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If the above corrective action cannot solve this error, record this message and collect information for an investigation. Then, contact field engineers.

ERROR: invalid node name. node=*nodename*

Content:

An invalid CF node name was specified.

Corrective action:

Check if the specified CF node name is correct.

If the specified CF node name is correct, the contents of the common configuration file with the RPDU Shutdown Agent may be incorrect.

Check the setting contents of the RPDU Shutdown Agent.

For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If the above corrective action cannot solve this error, record this message and collect information for an investigation. Then, contact field engineers.

ERROR: ipmitool not found.

Content:

The ipmitool command cannot be found.

Corrective action:

Install the SUNWipmi package of the operating system.

If the above corrective action cannot solve this error, record this message and collect information for an investigation. Then, contact field engineers.

ERROR: outlet is still power-off. node=nodename, ip=ipaddress, outlet=number

Content:

The outlet status of the Remote Power Distribution Unit was switched; however, it is still power-off.

Corrective action:

Check the following points:

Corrective action1

- Check if any error occurred in the Remote Power Distribution Unit.

See the manual of the Remote Power Distribution Unit to check if any error occurred in the Remote Power Distribution Unit. Follow the manual and take the corrective action.

Corrective action 2

- The user who accesses the Remote Power Distribution Unit has the required authority.

The required authority may not be given to the user specified for the setting of the RPDU Shutdown Agent. For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If the above corrective actions cannot solve this error, record this message and collect information for an investigation. Then, contact field engineers.

ERROR: outlet power-on failed. node=nodename, ip=ipaddress, outlet=number, rc=value

Content:

The processing for changing the outlet status of the Remote Power Distribution Unit to power-on has failed.

Corrective action:

Check the following points:

Corrective action1

- Check if any error occurred in the Remote Power Distribution Unit.

See the manual of the Remote Power Distribution Unit to check if any error occurred in the Remote Power Distribution Unit. Follow the manual and take the corrective action.

Corrective action 2

- Check if the following items of the Remote Power Distribution Unit which is specified in the RPDU Shutdown Agent are set correctly: IP address, outlet number, user name, and password.

Check the setting of the RPDU Shutdown Agent.

For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

- The normal lamp of the port connected to HUB and LAN cable is ON.
- The LAN cable is correctly connected to the HUB connector or the LAN port connector of the Remote Power Distribution Unit.

- The firmware is not restarted nor updated in the Remote Power Distribution Unit.
- The user who accesses the Remote Power Distribution Unit has the required authority.

The required authority may not be given to the user specified for the setting of the RPDU Shutdown Agent. For details, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)."

If the above corrective actions cannot solve this error, record this message and collect information for an investigation. Then, contact field engineers.

7.15 cfrecoverdev command messages (Solaris)

This section explains the messages output when the cfrecoverdev command is executed.

cfrecoverdev: cmd must be run as root

Content:

The cfrecoverdev command must be executed with a system administrator authority.

Corrective action:

Execute with a system administrator authority.

cfrecoverdev: cannot create path reason_text

Content:

Failed to create the symbolic link or the directory.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.16 sdtool command messages

This section explains messages output when the sdtool command is executed.

7.16.1 Information messages

RCS D returned a successful exit code for this command

Content:

The sdtool command is successfully executed.

Corrective action:

No corrective action is required.

7.16.2 Warning messages

A shutdown is in progress. try again later

Content:

The rcsd daemon tries to stop the machine now.

The current request cannot be accepted.

Corrective action:

Retry after the machine is completely stopped.

Could not execlp(RCSD). Errno = *errno*

Content:

The rcsd binary may not exist.

Corrective action:

Install the shutdown facility again.

Failed to get *name* product information

Content:

The product may not been installed properly.

Corrective action:

Reinstall the shutdown facility.

Illegal catlog open parameter

Content:

Log files could not be opened.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

mkfifo failed on RCSD response pipe *name*, errno *errno*

Content:

The pipe for rcsd could not be created.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

open failed on rcsdin pipe *name*, errno *errno*

Content:

The communication pipe from sdtool to rcsd could not be opened.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

RCSD is exiting. Command is not allowed

Content:

The rcsd daemon is about to be shut down.

Commands are not allowed.

Corrective action:

Execute commands after the rcsd daemon is started.

RCSD returned an error for this command, error is *value*

Content:

The rcsd failed to execute the command from sdtool.

Corrective action:

Depending on the state when this message was output, take either of the following actions.

- If the `sdtool -k` command is executed in the environment where the ICMP shutdown agent is used
The ICMP shutdown agent does not forcibly stop another node.
Take any one of the following procedures to stop the node manually and forcibly:

[For Solaris]

- When stopping the physical environment or the control domain forcibly
Refer to the instruction manual of the main unit.
- When stopping the guest domain forcibly
Use a command such as the `ldm panic-domain` command on the control domain.

```
# ldm panic-domain <guest domain name to be forcibly stopped>
```

- When stopping the Kernel Zone forcibly
Use a command such as the `zoneadm halt` command on the global zone.

```
# zoneadm -z <Kernel Zone name to be forcibly stopped> halt
```

[For Linux]

- In VMware environment
Stop the virtual machine from ESXi host or VMware vCenter Server.
- Other than the above
Check if related messages are additionally output.
If additional messages are output, follow them for the corrective action.
If no additional messages were output, record this message and collect information for an investigation. Then, contact field engineers.
For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

read failed, errno *errno*

Content:

The `sdtool` failed to read the data from the `rcsd` daemon.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

select failed, errno *errno*

Content:

The `sdtool` could not receive information from the `rcsd`.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The RCSD is not running

Content:

The command was not executed successfully because the `rcsd` daemon was not executed.

Corrective action:

Start the `rcsd` daemon (`sdtool -b`) and then execute the command again. Check by the `ps` command if the `rcsd` command is started.

unlink failed on RCSD response pipe *name*, errno *errno***Content:**

Old pipe files could not be removed.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Usage: `sdtool {-d[on | off] | -s | -S | -m | -M | -r | -b | -C | -l | -e | -k node-name}`**Content:**

The invalid parameter/command line is used.

Corrective action:

Use valid parameters.

write failed on rcsdin pipe *name*, errno *errno***Content:**

The sdtool could not pass the command to the rcsd.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.16.3 Error messages

No system administrator authority.**Content:**

You do not have a system administrator authority.

Corrective action:

Execute the operation as a system administrator.

7.17 sfsacfupdate command messages (Linux)

This section explains messages output when the sfsacfupdate command is executed.

7.17.1 Error messages

<command> command failed. return_value=<value>.**Content:**

The command <command> abnormally ended with the return value <value>.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Could not find <file>.**Content:**

The file <file> does not exist.

Corrective action:

- /etc/opt/SMAW/SMAWsf/rcsd.cfg
Configure the shutdown facility.
- Other files
Create <file>.

<file> is invalid.

Content:

The content that is described in the file <file> has an error.

Corrective action:

Check the content of the file <file> and add the proper information.

No system administrator authority.

Content:

You do not have a system administrator authority.

Corrective action:

Execute the operation as a system administrator.

sfsacfgupdate: ERROR: Could not find ipmitool command.

Content:

The ipmitool command does not exist.

Corrective action:

Install the ipmitool command.

sfsacfgupdate: ERROR: Failed to change the access permission of <file> on node <node>.

Content:

On the node <node>, the mode of the file <file> was not changed successfully.

Corrective action:

Check that the node <node> is active for communication. Recover the node <node> status and then execute this command with r- option and then recover the configuration information of the shutdown agent.

sfsacfgupdate: ERROR: Failed to copy the backup of <file> on node <node>.

Content:

On the node <node>, the backup of the file <file> was not copied successfully.

Corrective action:

Check that the node <node> is active for communication. Recover the node <node> status and then execute this command with r- option and then recover the configuration information of the shutdown agent.

sfsacfgupdate: ERROR: Failed to change the group of <file> on node <node>.

Content:

On the node <node>, the group of the file <file> was not changed successfully.

Corrective action:

Check that the node *<node>* is active for communication. Recover the node *<node>* status and then execute this command with r- option and then recover the configuration information of the shutdown agent.

sfsacfgupdate: ERROR: Failed to change the owner of *<file>* on node *<node>*.

Content:

On the node *<node>*, the owner of the file *<file>* was not changed successfully.

Corrective action:

Recover the node *<node>* status and then execute this command with r- option and then recover the configuration information of the shutdown agent.

sfsacfgupdate: ERROR: Failed to distribute *<file>* to node *<node>*.

Content:

The file *<file>* was not distributed to the node *<node>* successfully.

Corrective action:

Check that the node *<node>* is active for communication. Recover the node *<node>* status and then execute this command with r- option and then recover the configuration information of the shutdown agent.

sfsacfgupdate: ERROR: *<file>* generation failed.

Content:

The file was not created successfully.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

sfsacfgupdate: ERROR: ipmi service doesn't start.

Content:

The ipmi service is not activated.

Corrective action:

Activate the ipmi service.

sfsacfgupdate: ERROR: Reading the Shutdown Agent configuration failed.

Content:

The configuration definition file of the shutdown agent was not read successfully.

Corrective action:

Check the configuration definition file of the shutdown agent to make sure that correct information is described in the file.

7.18 clovmigrate command messages (Solaris)

This section explains messages output when the clovmigrate command is executed.

7.18.1 Error messages

***<command>* command failed. return_value=*<value>*.**

Content:

The command *<command>* abnormally ended with the return value *<value>*.

Corrective action:

Check whether the execution environment of *<command>* is correct.

If sudo is included in the *<command>*, see "PRIMECLUSTER Installation and Administration Guide (Oracle Solaris)" and check whether the configuration of sudo command is executed for the general privileged user of the shutdown facility.

If there are no errors in the execution environment, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Could not find *<file>*.

Content:

The file *<file>* does not exist.

Corrective action:

- /etc/opt/SMAW/SMAWsf/rcsd.cfg
Configure the shutdown facility.
- Other files
Create *<file>*.

***<file>* is invalid.**

Content:

The content that is described in the file *<file>* has an error.

Corrective action:

Check the content of the file *<file>* and add the proper information.

First SSH connection to the guest domain has not been done yet. (node:*nodename* ipaddress:*ipaddress* detail:*code*)

Corrective action:

Complete the user inquiry (such as RSA Key Generation) of the SSH connection first time by using the login user account for the Shutdown Facility to connect SSH to the guest domain from the control domain.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

No system administrator authority.

Content:

You do not have a system administrator authority.

Corrective action:

Execute the operation as a system administrator.

Saving the configuration information of the logical domain failed.

Corrective action:

Save the configuration information of the logical domains manually in the control domains of the migration source and destination for the target guest domain.

The domain type is not a control domain.

Corrective action:

Check the environment where this command has been executed. Then execute it again in the control domain.

The guest domain information of the specified node name is not registered. (nodename:nodename)

Corrective action:

Execute the `clovmmigratesetup -l` command to check the registered guest domain information.

The Migration function cannot be used in this environment. (nodename:nodename)

Corrective action:

Check the following points:

- Is the specified guest domain name correct?
- Has PRIMECLUSTER been installed in the specified guest domain?
- Has T007881SP-02 or later (Solaris10) or T007882SP-02 or later (Solaris11) been applied to the specified guest domain?

If the error cause was any one of the above check items, execute this command again.

If the problem is not resolved by the above action, record this message and collect information for an investigation. Then, contact field engineers. For how to collect the investigation information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The SA <Shutdown Agent> is not registered.

Content:

The shutdown agent <Shutdown Agent> is not registered.

Corrective action:

Register the shutdown agent <Shutdown Agent>.

The specified guest domain cannot be connected. (nodename:nodename)

Content:

The specified guest domain nodename cannot be connected.

Corrective action:

Check if the information of the guest domain that is specified with `clovmmigratesetup` command is correct.

- Cluster name of guest domain, CF node name
- IP address
- User name, password

Also connect to the guest domain from the control domain via SSH by using the login user account for the shutdown facility, and complete the user inquiry of the SSH connection first time (such as RSA Key Generation).

If any of the status above is the cause of the connection failure after executing the corrective action, execute this command again.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.19 sfkvmtool command messages (Linux)

This section explains messages output when the `sfkvmtool` command is executed.

7.19.1 Information messages

Cannot get CFname *node_name* on the host OS. ret=*ret_code***Corrective action:**

Check the status of CF on the host OS.

- Check if system resources such as the memory are insufficient.
- Check if CF is running.

If the above mentioned is the cause of the error, take the corrective action, and execute the `sfkvmtool` command again.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The check of configuration file succeeded.**Corrective action:**

No action is required.

7.19.2 Error messages

Cannot read the `kvmguests.conf` file correctly.**Corrective action:**

Create the `/etc/opt/FJSVcluster/etc/kvmguests.conf` file or correct the syntax.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Command *command* cannot be executed on the guest OS *guest_name*. ret=*ret_code***Corrective action:**

Check the following on the guest OS:

- Check if system resources such as the memory are insufficient.
- Check if `sudo` is set when using the general privileged user.

If the above mentioned is the cause of the error, take the corrective action, and execute the `sfkvmtool` command again.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Command *command* executed on the guest OS *guest_name* failed. ret=*ret_code***Corrective action:**

Check the following on the guest OS:

- Check if system resources such as the memory are insufficient.

If the above mentioned is the cause of the error, take the corrective action, and execute the `sfkvmtool` command again.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Connection to the guest OS *guest_name* is failed. *ipaddress*: *ipaddress*, ret=*ret_code*

Corrective action:

Check the description in the `/etc/opt/FJSVcluster/etc/kvmguests.con` file of the host OS.

- Check if the IP address of the guest OS displayed in `ipaddress` is correct.
- Check if the destination guest OS is started.

If the above mentioned is the cause of the error, take the corrective action, and execute the `sfkvmtool` command again.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Internal Error. ret=`ret_code`, message:`error_msg`

Corrective action:

Record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

No system administrator authority.

Corrective action:

Execute the command with the administrator authority.

The guest OS `guest_name` was disconnected. ret=`ret_code`

Corrective action:

Check the status of the destination guest OS.

- Check if system resources such as the memory are insufficient.
- Check if the guest OS is started.

If the above mentioned is the cause of the error, take the corrective action, and execute the `sfkvmtool` command again.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The password decoding failed. ret=`ret_code`, message:`error_msg`

Corrective action:

Check if the user password to log in to the guest OS that is described in the `/etc/opt/FJSVcluster/etc/kvmguests.conf` file is the character string encoded by the `/opt/SMAW/bin/sfcipher` command.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The specified option is not correct.

Corrective action:

Specify the option correctly and execute the command again.

The username or password for logging in to the guest OS `guest_name` is incorrect.

Corrective action:

Check the following on the guest OS:

- Check if the account described in the `/etc/opt/FJSVcluster/etc/kvmguests.conf` file of the host OS is registered correctly.

If the above mentioned is the cause of the error, take the corrective action, and execute the `sfkvmtool` command again.

If this error cannot be corrected by the above action, record this message and collect information for an investigation.

Then, contact field engineers.

For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

7.20 sfkvmigrate command messages (Linux)

This section explains messages output when the `sfkvmigrate` command is executed.

7.20.1 Error messages

`/etc/opt/FJSVcluster/etc/kvmguests.conf` is invalid.

Content:

The description of the `kvmguests.conf` file is not correct.

Corrective action:

Check the contents of the `kvmguests.conf` file and describe the correct information.

configuration file `/etc/opt/FJSVcluster/etc/kvmguests.conf` is not existing. `errno=<errno>`

Content:

The `kvmguests.conf` file is not existing.

Corrective action:

Create the `kvmguests.conf` file.

domain "`<domainname>`" is not running.

Content:

The guest domain is not running.

Corrective action:

Start the guest domain.

failed to get domain "`<domainname>`" status.

Content:

The status of the guest domain cannot be obtained.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

It is not Host OS.

Content:

An option for the host OS is executed on the guest OS.

Corrective action:

Specify the -g option when executing the sfkvmmigrate command on the guest OS. When executing the sfkvmmigrate command on the host OS, execute the command on the host OS again.

No system administrator authority.

Content:

The command is not executed with the root authority.

Corrective action:

Execute the command with the root authority.

The guest domain information of the specified node name is not registered. (nodename:<domainname>)

Content:

The specified guest domain information is not registered in the kvmguests.conf file.

Corrective action:

Register the specified guest domain information in the kvmguests.conf file.

The Migration function cannot be used in this environment. (nodename:nodename)

Corrective action:

Check the following:

- If the specified guest domain name is correct.
- If PRIMECLUSTER is installed in the specified guest domain.
- If sudo is set for the setting to log in the guest OS with any authorities other than the root authority.
- If the kvmguests.conf is set correctly.

If the error cause was any one of the above check items, execute this command again.

If the problem is not resolved by the above action, record this message and collect information for an investigation. Then, contact field engineers. For how to collect the investigation information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The specified guest domain cannot be connected. (nodename:nodename)

Corrective action:

Check if the information of the guest domain that is specified with the sfkvmmigrate command is correct.

- Cluster name of guest domain, CF node name
- IP address
- User name, password

Also connect to the guest OS from the host OS via SSH by using a user for SSH login to the guest OS, and make sure that user inquiries for the first time SSH connection (such as RSA Key Generation) are complete.

If the error cause was any one of the above check items, execute this command again.

If the problem is not resolved by the above action, record this message and collect information for an investigation. Then, contact field engineers. For how to collect the investigation information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

the specified option is invalid. opt=value

Corrective action:

Specify the correct option and execute the command again.

7.21 clirmcsetup command messages (Linux)

This section explains messages output when clirmcsetup command is executed.

7.21.1 Error messages

An error has been detected in iRMC.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

An error has been detected in the transmission route to iRMC.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

An error has been detected in the transmission route to MMB.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

An error was detected in MMB.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

CF is not running.

Corrective action:

If CF is not configured, see "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide" and configure CF.
If CF is already configured, start up CF.
For details on how to start up CF, see "PRIMECLUSTER Cluster Foundation (CF) Configuration and Administration Guide."

clirmcsetup is already running.

Corrective action:

clirmcsetup command is already running. Execute again after the already executed command ends.

Error in option specification. (option:option)

Corrective action:

Specify the correct option and execute again.

Failed to get iRMC/MMB information. Make sure the ipmi service is running.

Corrective action:

Start up the IPMI service and execute again. If it still does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Fatal error occurred. (function:function detail:code1-code2-code3-code4)

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

IP address is not set to iRMC.

Content:

This error message indicates that the IP address is not set to iRMC, or VGA/USB/rKVMS of Home SB is not assigned to any one of the extended partitions of PRIMEQUEST3000 series (except B model) in the cluster node environment.

Corrective action:

Execute the command again after checking the settings of iRMC.

If an extended partition is used, make sure that VGA/USB/rKVMS of Home SB is assigned to any one of the extended partitions (except B model) and then execute the command.

If it still does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

IP address is not set to MMB.

Corrective action:

Execute the command again after checking the settings of MMB. If it still does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

No system administrator authority.

Corrective action:

Execute using system administrator authority.

Required package isn't installed. (packagename)

Corrective action:

Check whether the execution environment satisfies the "operating environment" of installation guide in PRIMECLUSTER. If it satisfies, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

The IP address version of the admin LAN of shutdown facility does not match that of iRMC.

Corrective action:

Perform one of the following:

- Change the IP address of management LAN in the shutdown configuration to the format of IP address set in iRMC.
 - Set the IP address format set in the management LAN of the shutdown configuration in iRMC.
-

The IP address version of the admin LAN of shutdown facility does not match that of MMB.

Corrective action:

Perform one of the following:

- Change the IP address of management LAN in the shutdown configuration to the format of IP address set in MMB.
 - Set the IP address format set in the management LAN of the shutdown configuration in MMB.
-

The iRMC/MMB information is not set.

Corrective action:

Check the following points:

<Other than PRIMEQUEST 3000 environment>

Since the `clirmcsetup` command is for the PRIMEQUEST 3000 environment, use the correct command suitable for your environment.

<PRIMEQUEST 3000 environment>

Execute the `clirmcsetup -l` command and check the iRMC/MMB information currently registered. If necessary, use the `clirmcsetup` command to register iRMC/MMB information.

For details about `clirmcsetup(8)`, see the manual page of "`clirmcsetup(8)`" command.

If this corrective action does not work, record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

This server architecture is invalid.

Content:

This error message indicates that the command was executed with other than PRIMEQUEST 3000.

Corrective action:

Check the environment where the command is being executed and use the correct command.

This server has not the MMB.

Content:

This error message indicates that an option cannot be used with the PRIMEQUEST 3000 B model.

Corrective action:

Usage of the option specified in this environment is not necessary.

7.22 clirmcmonctl command messages (Linux)

This section explains messages output when the `clirmcmonctl` command is executed.

7.22.1 Information messages

The devirmcd daemon does not exist.

Content:

The iRMC asynchronous monitoring daemon is not running in the PRIMEQUEST 3000 environment.

The devirmcd daemon exists.

Content:

The iRMC asynchronous monitoring daemon is running in the PRIMEQUEST 3000 environment.

7.22.2 Error messages

The devirmcd daemon cannot be started because SF is running.

Content:

The iRMC asynchronous monitoring agent cannot be started in the PRIMEQUEST 3000 environment because the shutdown facility is running.

Corrective action:

Execute the following commands to stop the shutdown facility. After that, start the iRMC asynchronous monitoring agent.

```
# /opt/SMAW/bin/sdtool -e
# /etc/opt/FJSVcluster/bin/clirmcmonctl start
```

After starting the iRMC asynchronous monitoring agent, start the shutdown facility again.

```
# /opt/SMAW/bin/sdtool -b
```

Failed to start the devirmcd daemon.

Content:

The iRMC asynchronous monitoring daemon failed to start in the PRIMEQUEST 3000 environment.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

Failed to stop the devirmcd daemon.

Content:

The iRMC asynchronous monitoring daemon failed to stop in the PRIMEQUEST 3000 environment.

Corrective action:

Record this message and collect information for an investigation. Then, contact field engineers. For details on how to collect information, see "Troubleshooting" in "PRIMECLUSTER Installation and Administration Guide."

No system administrator authority.

Content:

The command must be executed with a system administrator authority.

Corrective action:

Execute the command with a system administrator authority.

USAGE: clirmcmonctl [{start | restart | stop}]

Content:

The invalid parameter/command line is used.

Corrective action:

Use valid parameters.

Failed to start the devirmcd daemon because the server architecture is invalid.

Content:

This command can be executed only in the PRIMEQUEST 3000 environment.

Corrective action:

Check the environment where the command is being executed and use the correct command.

The devirmcd daemon already running.

Content:

The iRMC asynchronous monitoring daemon is already running in the PRIMEQUEST 3000 environment.

The devirmcd daemon is not running.

Content:

The iRMC asynchronous monitoring daemon is already stopped in the PRIMEQUEST 3000 environment.

7.23 clmmbmonctl command messages (Linux)

This section explains messages output when the clmmbmonctl command is executed.

7.23.1 Information messages

The devmmbd daemon does not exist.

Content:

The MMB asynchronous monitoring daemon is not running in the PRIMEQUEST 2000/1000/500/400 environment.

The devmmbd daemon exists.

Content:

The MMB asynchronous monitoring daemon is running in the PRIMEQUEST 2000/1000/500/400 environment.

7.23.2 Error messages

Failed to start the devmmbd daemon because the server architecture is invalid.

Content:

This command can be executed only in the PRIMEQUEST 2000/1000/500/400 environment.

Corrective action:

Check the environment where the command is being executed and use the correct command.

USAGE: clmmbmonctl [{start | restart | stop}]

Content:

The invalid parameter/command line is used.

Corrective action:

Use valid parameters.

Chapter 8 Smart Workload Recovery Messages

Describes the messages output by systems that use the smart workload recovery feature of PRIMECLUSTER.

For messages about RMS, see "Chapter 6 RMS -Related Messages".

8.1 Lambda Function Messages

The Lambda function outputs messages to the following log group:

```
/aws/lambda/<Lambda function name>
```

<Lambda Function Name> is the name of the Lambda function configured for switcher. For details, please refer to "A.2.4.1 Configuring AWS Lambda" of "PRIMECLUSTER Installation and Administration Guide 4.6 Cloud Services".

Note that a log group is the unit of log management in Amazon CloudWatch Logs (the Log Management Service). For more information about log groups, see the Amazon CloudWatch Logs User Guide.

8.1.1 Information Messages

Switcher starts judging the target of switching. (event_id=event_id)

Content:

Start judgment for switching target

Corrective action:

No action is required.

Switcher obtains the identifier and event type of the virtual server where the event occurred. (event_id=event_id)

Content:

Acquires the identifier and event type of the virtual server on which the event occurred

Corrective action:

No action is required.

Switcher retrieves information about the virtual server. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Get virtual server information

Corrective action:

No action is required.

Switcher checks to see if the virtual server is to be switched. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Determine whether the virtual server is to be switched.

Corrective action:

No action is required.

Switcher updates the virtual server while it is in the process of switching. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Updates the virtual server while the switch operation is in progress.

Corrective action:

No action is required.

Switcher gets the blackhole security group. (event_id=event_id, system_id=system_id, bhsg_id=security_group_id)

Content:

Get Blackhole Security Group

Corrective action:

No action is required.

Switcher applies blackhole security group. (event_id=event_id, system_id=system_id, instance_id=instance_id, bhsg_id=security_group_id)

Content:

Apply Blackhole Security Groups

Corrective action:

No action is required.

Switcher destroys the virtual server. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Destroy the virtual server

Corrective action:

No action is required.

Switcher waits for the virtual server to be destroyed. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Wait for the virtual server to be destroyed.

Corrective action:

No action is required.

Switcher creates a virtual server. (event_id=event_id, system_id=system_id, new_instance_id=instance_id)

Content:

Create a virtual server

Corrective action:

No action is required.

Switcher removes the target of the ELB. (event_id=event_id, system_id=system_id, instance_id=instance_id, target_id=target_id)

Content:

Delete the ELB target

Corrective action:

No action is required.

Switcher adds targets for the ELB. (event_id=event_id, system_id=system_id, new_instance_id=new_instance_id, target_id=target_id)

Content:

Add targets for the ELB target

Corrective action:

No action is required.

Switcher updates CloudWatch alarms. (event_id=event_id, system_id=system_id, new_instance_id=instance_id)

Content:

Update CloudWatch alarms

Corrective action:

No action is required.

Switcher updates the execution management object. (event_id=event_id, system_id=system_id, new_instance_id=instance_id, state=state)

Content:

Update the switch execution management object

Corrective action:

No action is required.

Switcher has detected an alarm update. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Alarm update detected

Corrective action:

No action is required.

Switcher has detected a power state update. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Power status update detected

Corrective action:

No action is required.

Switcher determined the type of event that occurred. (event_id=event_id, instance_id=instance_id, event_type=event_type)

Content:

The type of the event that occurred was determined.

Corrective action:

No action is required.

8.1.2 Notice Messages

Switcher exits without switching because the virtual server on which the event occurred is not the target of switching. (event_id=event_id, system_id=system_id, instance_id=instance_id, is_recovery_target={true|false}, PCLSWR_SYSTEM_LIST=value)

Content:

Terminates without switching because the virtual server is not subject to switching.

Corrective action:

No action is required.

Switcher starts the switching process. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Start the switch process

Corrective action:

No action is required.

Switcher has completed switching. (event_id=event_id, system_id=system_id, new_instance_id=instance_id)

Content:

Switch completed

Corrective action:

No action is required.

Switcher exits because the event that occurred is not the one to be processed. (event_id=event_id)

Content:

The event that occurred is not processed and will be terminated

Corrective action:

No action is required.

Switcher exit without switching because the state of the virtual server on which the event occurred is not the one to be processed. (event_id=event_id, instance_id=instance_id, state={terminated|shutting-down})

Content:

Terminates without switching because the virtual server is not in the state to be switched.

Corrective action:

No action is required.

8.1.3 Warning Messages

Switcher failed to get blackhole security group. (event_id=event_id, system_id=system_id, bhsg_id=security_group_id)

Content:

Failed to get Blackhole Security Group

Corrective action:

Set the AWS Lambda environment variable PCLSWR_BLACKHOLE to the blackhole security group identifier. For information about configuring AWS Lambda, see "A. 2.4. 1 Configuring AWS Lambda" in "PRIMECLUSTER Installation and Administration Guide 4.6 Cloud Services".

Switcher failed to apply blackhole security group. (event_id=event_id, system_id=system_id, instance_id=instance_id, bhsg_id=security_group_id)

Content:

Failed to apply Blackhole Security Group

Corrective action:

No action is required. For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER PRIMECLUSTER Troubleshooting".

Switcher failed to remove target for ELB. (event_id=event_id, system_id=system_id, instance_id=instance_id, target_id=target_id)

Content:

ELB target deletion failed

Corrective action:

Delete the source virtual server from the target group. For information about setting up target groups, see "A. 2.3. 2 Configuring Network Inheritance" in "PRIMECLUSTER Installation and Administration Guide 4.6 Cloud Services".

For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to add target for ELB. (event_id=event_id, system_id=system_id, new_instance_id=instance_id, target_id=target_id)

Content:

Failed to add target for the ELB target

Corrective action:

Add the virtual server to be switched to the target group. For information about setting up target groups, see "A. 2.3. 2 Configuring Network Inheritance" in "PRIMECLUSTER Installation and Administration Guide 4.6 Cloud Services".

For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to update CloudWatch alarms. (event_id=event_id, system_id=system_id, instance_id=instance_id, new_instance_id=new_instance_id, alarm_name=alarm_name)

Content:

CloudWatch alarms update failed

Corrective action:

Check the CloudWatch alarm configuration for the alarm name (alarm_name) in the same region as the source server.

If the instance name (InstanceID) of the CloudWatch alarm contains the instance ID (new_instance_id) that you want to switch to, no action is required. If the source instance ID (instance_id) is registered for the CloudWatch alarm instance name (InstanceID), update CloudWatch alarms by replacing the source instance ID (instance_id) with the destination instance ID (new_instance_id).

For information about the currently configured configuring CloudWatch alarms, see "A.2.4.3 Configuring CloudWatch Alarm" in "PRIMECLUSTER Installation and Administration Guide 4.6 Cloud Services".

For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to update the execution management object. (event_id=event_id, system_id=system_id, instance_id=instance_id, new_instance_id=new_instance_id, state=state)

Content:

Failed to update the switch execution management object

Corrective action:

In Amazon DynamoDB, look for an item in the table with the table name Fujitsu-Pclswr-DB-Switcher, with a value for the attribute name InstanceID that matches the instance ID (instance_id) from which you switched, and delete the item.

Then, see "A.2.4.4 Configuring Amazon DynamoDB" in "Installation and Administration Guide

4.6 Cloud Services" to create an item with the attribute name SystemID value set to system_id, the attribute name InstanceID value set to new_instance_id, and the attribute name State value set to NOT_SWITCHED.

For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to destroy the virtual server. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Failed to destroy the virtual server

Corrective action:

Make sure that there is a virtual server that matches the instance ID (instance_id) of the virtual server to be switched. If it does not exist, no action is required. If present, terminate the virtual server instance if it is not terminated. If it is terminated, no action is required.

For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher exits without switching because the event that occurred does not require switching. Check the event type and take action. (event_id=event_id, instance_id=instance_id, event_type=event_type)

Content:

The event that occurs does not need to be switched, so it ends without switching. Check the event type and take appropriate action.

Corrective action:

Check the event type from the value of event_type.

If event_type is EC2_STATUSCHECKFAILED_INSUFFICIENT_DATA_EVENT:.

Among the CloudWatch alarms that monitor the virtual server whose instance ID is instance_id, check the state of the alarm that you set as the alarm for the switcher in "A.2.4.3 Configuring CloudWatch Alarm" in "Installation and Administration Guide

4.6 Cloud Services" . If the alarm condition is OK, no action is required. If the alarm status is insufficient data (INSUFFICIENT_DATA), check whether the alarm settings are correct, and if they are incorrect, reset them.

If the alarm is set correctly and the status of data shortage (INSUFFICIENT_DATA) continues, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting ".

If event_type is RMS_INSUFFICIENT_DATA_EVENT:.

Check the state of the CloudWatch agent process on the virtual server whose instance ID is instance_id and restart the process if necessary.

Switcher failed to get information for ELB. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Failed to get information for ELB

Corrective action:

Remove the source virtual server whose instanceID is `instance_id` from the target group and add the destination virtual server.

For the instanceID of the virtual server to switch to, see the `instance_id` in the following notification message, which has the same `event_id` as the `event_id` in this message:

- Switcher has completed switching. (`event_id=event_id`, `system_id=system_id`, `new_instance_id=instance_id`)

For information about setting up target groups, see "A.2.3.2 Configuring Network Takeover" in "PRIMECLUSTER Installation and Administration Guide 4.6 Cloud Services".

For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to get information for CloudWatch alarms. (`event_id=event_id`, `system_id=system_id`, `instance_id=instance_id`)

Content:

Failed to get CloudWatch alarms information

Corrective action:

Check the CloudWatch alarm settings and update the CloudWatch alarm by replacing the instance ID (`instance_id`) of the virtual server you are switching to with the instance ID of the virtual server you are switching to in the instance name (InstanceID) of the CloudWatch alarm.

For the instance ID of the virtual server to switch to, see the `instance_id` in the following notification message, which has the same `event_id` as the `event_id` in this message:

- Switcher has completed switching. (`event_id=event_id`, `system_id=system_id`, `new_instance_id=instance_id`)

For information about configuring CloudWatch alarms, see "A.2.4.3 Configuring CloudWatch Alarm" in "PRIMECLUSTER Installation and Administration Guide 4.6 Cloud Services".

For more information on the cause of the failure, collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher has detected internal error. (`event_id=event_id`, `system_id=system_id`, `instance_id=instance_id`)

Content:

An internal error has been detected.

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

8.1.4 Error messages

Switcher failed to switch because it failed to get the virtual server identifier. (`event_id=event_id`, `system_id=system_id`, `event_type=event_type`)

Content:

Switching failed because acquisition of virtual server identifier failed.

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to switch because it failed to get the virtual server information. (`event_id=event_id`, `system_id=system_id`, `instance_id=instance_id`)

Content:

Switching failed because acquisition of virtual server information failed.

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to switch because it failed to update the execution management object. (event_id=event_id, system_id=system_id, instance_id=instance_id, state=state)

Content:

Switch failed because update of the execution management object failed

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to switch because it failed to both apply the blackhole security group and destroy the virtual server. (event_id=event_id, system_id=system_id, instance_id=instance_id, bhsg_id=security_group_id)

Content:

Switch failed because both applying Blackhole Security Group and destroying virtual server failed

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to switch because it failed to create a virtual server. (event_id=event_id, system_id=system_id, instance_id=instance_id, new_instance_id=new_instance_id)

Content:

Switching failed because the virtual server creation failed.

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to switch because it failed to find the subnet for switching. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Switch failed because destination subnet does not exist

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to switch because of internal error. (event_id=event_id, system_id=system_id, instance_id=instance_id)

Content:

Switching failed because an internal error occurred.

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting".

Switcher failed to switch because Amazon Machine Image does not exist. (event_id=event_id, system_id=system_id, instance_id=instance_id, ami_id=ami_id)

Content:

Switch failed because Amazon Machine Image does not exist

Corrective action:

Collect the survey information and contact our company service representative (SE). For details on how to collect survey information, see "PRIMECLUSTER Troubleshooting "

8.2 CloudWatch Agent Messages

CloudWatch agent prints a message to:. For information about CloudWatch agent messages, see the official AWS documentation.

```
/opt/aws/amazon-cloudwatch-agent/logs/amazon-cloudwatch-agent.log
```

Appendix A CF Reason Code Table

This appendix describes the CF reason code table.

When processing is successful, the following code is reported.

Code	Reason	Service	Text
0401	REASON_SUCCESS	-	Operation was successful

A.1 generic error codes

Code	Reason	Service	Text
0401	REASON_NOERR	generic	Request not completed
0402	REASON_ALERTED	generic	Interrupted call
0403	REASON_TIMEOUT	generic	Timedout call
0404	REASON_NO_MEMORY	generic	Out of memory
0405	REASON_NO_SUCH_DEVICE	generic	No such device/resource
0406	REASON_DEVICE_BUSY	generic	Resource is busy
0407	REASON_INVALID_PARAMETER	generic	Invalid parameter
0408	REASON_UNSUCCESSFUL	generic	Unsuccessful
0409	REASON_ADDRESS_ALREADY_EXISTS	generic	Address already exists
040a	REASON_BAD_ADDRESS	generic	Bad memory address
040b	REASON_INSUFFICIENT_RESOURCES	generic	Insufficient resources
040c	REASON_BUFFER_OVERFLOW	generic	Buffer overflow
040d	REASON_INVALID_OWNER	generic	Invalid owner
040e	REASON_INVALID_HANDLE	generic	Invalid handle
040f	REASON_DUPNAME	generic	Duplicate name
0410	REASON_USAGE	generic	Usage
0411	REASON_NODATA	generic	No data
0412	REASON_NOT_INITIALIZED	generic	Driver not initialized
0413	REASON_UNLOADING	generic	Driver unloading
0414	REASON_REASSEMBLY_DOWN	generic	Sender died while sending data
0415	REASON_WENT_DOWN	generic	Destination node went down
0416	REASON_TRANSMIT_TIMEOUT	generic	Data transmission timeout
0417	REASON_BAD_PORT	generic	Bad destination port
0418	REASON_BAD_DEST	generic	Bad destination
0419	REASON_YANK	generic	Message transmission flushed
041a	REASON_SVC_BUSY	generic	SVC has pending transmissions
041b	REASON_SVC_UNREGISTER	generic	SVC has been unregistered
041c	REASON_INVALID_VERSION	generic	Invalid version
041d	REASON_NOT_SUPPORTED	generic	Function not supported

Code	Reason	Service	Text
041e	REASON_EPERM	generic	Not super-user
041f	REASON_ENOENT	generic	No such file or directory
0420	REASON_EINTR	generic	Interrupted system call
0421	REASON_EIO	generic	I/O error
0422	REASON_ENXIO	generic	No such device or address (I/O req)
0423	REASON_EACCES	generic	Permission denied
0424	REASON_EEXIST	generic	File exists
0425	REASON_DDI_FAILURE	generic	Error in DDI/DKI routine
0426	REASON_INVALID_NODENAME	generic	Invalid node name
0427	REASON_INVALID_NODENUMBER	generic	Invalid node number
0428	REASON_NODE_NOT_LEFTC	generic	Node is not in LEFTCLUSTER state
0429	REASON_CORRUPT_CONFIG	generic	Corrupt/invalid cluster config
042a	REASON_FLUSH	generic	Messages transmission flushed
042b	REASON_MAX_ENTRY	generic	Maximum entries reached
042c	REASON_NO_CONFIGURATION	generic	No configuration exists

A.2 mrpc reasons

Code	Reason	Service	Text
0801	REASON_MRPC_CLT_SVCUNAVAIL	mrpc	Service not registered on Client
0802	REASON_MRPC_SRV_SVCUNAVAIL	mrpc	Service not registered on Server
0803	REASON_MRPC_CLT_PROCUNAVAIL	mrpc	Service Procedure not avail on Clt
0804	REASON_MRPC_SRV_PROCUNAVAIL	mrpc	Service Procedure not avail on Srv
0805	REASON_MRPC_INARGTOOLONG	mrpc	Input argument size too big
0806	REASON_MRPC_OUTARGTOOLONG	mrpc	Output argument size too big
0807	REASON_MRPC_RETARGOVERFLOW	mrpc	Return argument size overflow
0808	REASON_MRPC_VERSMISMATCH	mrpc	Version mismatch
0809	REASON_MRPC_ICF_FAILURE	mrpc	ICF send failed
080a	REASON_MRPC_INTR	mrpc	Interrupted RPC
080b	REASON_MRPC_RECURSIVE	mrpc	Illegal recursive call
080c	REASON_MRPC_SVC_EXIST	mrpc	Service already registered

A.3 ens reasons

Code	Reason	Service	Text
0c01	REASON_ENS_INFOTOOBIG	ens	Event information is too large
0c02	REASON_ENS_TOOSOON	ens	Attempt to post event before ens_init
0c03	REASON_ENS_NODEST	ens	Remote or local not specified in howto

Code	Reason	Service	Text
0c04	REASON_ENS_DAEMONNOTIFY	ens	Invalid event posting by event daemon
0c05	REASON_ENS_NOICF	ens	Attempt to post remote before ICF config
0c06	REASON_ENS_OLDACKVERS	ens	Old version kernel has acked event
0c07	REASON_ENS_IMPLICITACK	ens	Event handler did not obtain ack handle
0c08	REASON_ENS_ACKNOTREQ	ens	Event acknowledgment not required
0c09	REASON_ENS_NOTEVHANDLER	ens	Obtainer of ack handle not event handler
0c0a	REASON_ENS_NOACKHANDLE	ens	Cannot locate event ack handle
0c0b	REASON_ENS_MEMLIMIT	ens	User level ENS event memory limit overflow
0c0c	REASON_ENS_DUPREG	ens	Duplicate event registration
0c0d	REASON_ENS_REGNOTFOUND	ens	Event registration not found
0c0e	REASON_ENS_INFOTOOSMALL	ens	Event information size too small
0c0f	REASON_ENS_BADFAILNODE	ens	Node cannot post LEFTCLUSTER or NODE DOWN for itself

A.4 nsm reasons

Code	Reason	Service	Text
1001	REASON_NSM_BADVERSION	nsm	Data structure version mismatch
1002	REASON_NSM_NONODES	nsm	No nodes have been specified
1003	REASON_NSM_TOOMANYNODES	nsm	Too many nodes have been specified
1004	REASON_NSM_BADNODEID	nsm	Node ID out of node name space range
1005	REASON_NSM_BADNETALEN	nsm	Invalid network address length
1006	REASON_NSM_ICFCREATE	nsm	Failure trying to create ICF node
1007	REASON_NSM_ICFDELETE	nsm	Failure trying to delete ICF node
1008	REASON_NSM_BADSTARTNODE	nsm	Invalid starting node specified
1009	REASON_NSM_BADINFOLEN	nsm	Invalid event information length
100a	REASON_NSM_BADCNODEID	nsm	Control node out of name space range
100b	REASON_NSM_BADCNSTATUS	nsm	Control node status invalid
100c	REASON_NSM_BADANODEID	nsm	Invalid node ID for node being added
100d	REASON_NSM_ADDNODEUP	nsm	Node being added is already operational
100e	REASON_NSM_NONODE	nsm	Node does not exist in the node name space
100f	REASON_NSM_NODEFAILURE	nsm	A node has been declared dead

Code	Reason	Service	Text
1010	REASON_NSM_NODETIMEOUT	nsm	Heartbeat timeout has expired for a node
1011	REASON_NSM_BADOUTSIZE	nsm	Invalid value for MRPC outsize
1012	REASON_NSM_BADINSIZE	nsm	Invalid value for MRPC insize
1013	REASON_NSM_BADNDNOTIFY	nsm	Failure to post NODE DOWN event
1014	REASON_NSM_VERSIONERR	nsm	nsetinfo versioning error

A.5 mrpc reasons

Code	Reason	Service	Text
1401	REASON_ICF_MRPC_SZSM	mrpc	icfmrpc Output argument size too small
1402	REASON_ICF_MRPC_BADNDNUM	mrpc	icfmrpc Node does not exist
1403	REASON_ICF_MRPC_BADADDR	mrpc	icfmrpc mesh address does not exist

A.6 user events

Code	Reason	Service	Text
1801	REASON_UEV_ALREADYOPEN	uev	Process already has event device open
1802	REASON_UEV_TOOMANYEVENTS	uev	Too many user events initialized
1803	REASON_UEV_BADHANDLE	uev	Invalid user event handle specified
1804	REASON_UEV_NOTOPEN	uev	Process does not have event device open
1805	REASON_UEV_REGISTERED	uev	Duplicate user event registration

A.7 node group

Code	Reason	Service	Text
1c01	REASON_NG_DEF_SYNTAX	ng	Bad definition syntax
1c02	REASON_NG_DUPNAME	ng	Name exists already
1c03	REASON_NG_EXIST	ng	Group does not exist
1c04	REASON_NG_ND_EXIST	ng	Node does not exist
1c05	REASON_NG_NAMELEN	ng	Too long a node name
1c06	REASON_NG_STATE	ng	Unknown parser state
1c07	REASON_NG_NODEINFO	ng	Failed to get up-node info up-node
1c08	REASON_NG_ITER_STALE	ng	Iterator is stale
1c09	REASON_NG_ITER_NOSPACE	ng	Iterator pool exhausted
1c0a	REASON_NG_ITER_NOENT	ng	The end of iteration
1c0b	REASON_NG_MEMBER	ng	Node is not a group member
1c0c	REASON_NG_NOENT	ng	No node is up
1c0d	REASON_NG_UNPACK	ng	Failed to unpack definition

Code	Reason	Service	Text
1c0e	REASON_NG_DUPDEF	ng	Identical group definition

A.8 distributed mount services

Code	Reason	Service	Text
2001	REASON_DMS_INVALIDCNG	dms	Invalid client node group
2002	REASON_DMS_MNTINUSE	dms	Mount in use
2003	REASON_DMS_DEVINUSE	dms	Device in use
2004	REASON_DMS_FSCKFAILED	dms	Failover fsck failed
2005	REASON_DMS_MNTFAILED	dms	Failover mount failed
2006	REASON_DMS_MNTBUSY	dms	Mount is busy
2007	REASON_DMS_NOMNTPT	dms	No mount point specified
2008	REASON_DMS_NOJBENT	dms	Specified mount point not found
2009	REASON_DMS_BADSTATE	dms	Server is up or failover in progress
200a	REASON_DMS_SUBMOUNT	dms	Specified mount point is CFS submount
200b	REASON_MAX_REASON_VAL	dms	Last reason

A.9 join

Code	Reason	Service	Text
2401	REASON_JOIN_FAILED	join	Node has failed to join cluster
2402	REASON_JOIN_DISABLED	join	Cluster join not started
2403	REASON_JOIN_SHUTDOWN	join	Join daemon shut down

A.10 cfreg

Code	Reason	Service	Text
2801	REASON_CFREG_STOPREQUESTED	cfreg	cfreg daemon stop requested
2802	REASON_CFREG_DUPDAEMON	cfreg	cfreg daemon already running
2803	REASON_CFREG_BADCONFIG	cfreg	Internal cfreg configuration error
2804	REASON_CFREG_NOENTRY	cfreg	Entry with specified key does not exist
2805	REASON_CFREG_COMMITTED	cfreg	Specified transaction committed
2806	REASON_CFREG_NOTOPEN	cfreg	Data file not open
2807	REASON_CFREG_CORRUPTFILE	cfreg	Data file format is corrupt
2808	REASON_CFREG_NSIERR	cfreg	Internal packaging error
2809	REASON_CFREG_INVALIDTRANS	cfreg	Specified transaction invalid
280a	REASON_CFREG_ACTIVETRANS	cfreg	An active transaction exists
280b	REASON_CFREG_NOREQUESTS	cfreg	No daemon requests available
280c	REASON_CFREG_REQOVERFLOW	cfreg	Daemon request buffer overflow

Code	Reason	Service	Text
280d	REASON_CFREG_NODAEMON	cfreg	cfreg daemon not present
280e	REASON_CFREG_BADREQUEST	cfreg	Unknown daemon request
280f	REASON_CFREG_REGBUSY	cfreg	Register is busy
2810	REASON_CFREG_REGOWNED	cfreg	Registry is owned
2811	REASON_CFREG_INVALIDUPDATE	cfreg	Invalid update
2812	REASON_CFREG_INVALIDKEY	cfreg	Invalid registry key
2813	REASON_CFREG_OVERFLOW	cfreg	Data or key buffer too small
2814	REASON_CFREG_TOOBIG	cfreg	Registry entry data too large

A.11 cflog Message Catalogs

Code	Reason	Service	Text
2c01	REASON_CFLOG_NOCAT	cflog	cflog could not open message catalog

A.12 qsm Message Catalogs

Code	Reason	Service	Text
3001	REASON_QSM_DUPMETHODNAME	qsm	Duplicate quorum method name
3002	REASON_QSM_TRYAGAIN	qsm	Need to try again later
3003	REASON_QSM_BUSY	qsm	Method has been registered already
3004	REASON_QSM_IDLE	qsm	Method has not been registered
3005	REASON_QSM_STOP	qsm	qsm stop requested

A.13 sens

Code	Reason	Service	Text
3401	REASON_SENS_BADSEQ	sens	Invalid sequence number
3402	REASON_SENS_TOOSOON	sens	SENS not initialized
3403	REASON_SENS_DUPACK	sens	Duplicate registration for completion ack
3404	REASON_SENS_NOREG	sens	Registration does not exist
3405	REASON_SENS_BADMAP	sens	Node missing from node map
3406	REASON_SENS_NOUREG	sens	User event registration does not exist
3407	REASON_SENS_NOUEVENT	sens	Event not received

A.14 CFRS

Code	Reason	Service	Text
3801	REASON_CFRS_BADFCPSRCCONF	cfrs	cfcp not configured on source node

Code	Reason	Service	Text
3802	REASON_CFRS_BADFCPDSTCONF	cfrs	cfcp not configured on destination node
3803	REASON_CFRS_BADEXECSRCCONF	cfrs	cfsh not configured on source node
3804	REASON_CFRS_BADEXECDSTCONF	cfrs	cfsh not configured on execution node
3805	REASON_CFRS_BADDSTPATH	cfrs	Invalid destination file path
3806	REASON_CFRS_DSTPATHTOOLONG	cfrs	Destination file path too long
3807	REASON_CFRS_SRCACCESSERR	cfrs	Cannot access source file
3808	REASON_CFRS_SRCNOTREG	cfrs	Source file is not regular file
3809	REASON_CFRS_SRCREADERR	cfrs	Source file read error
380a	REASON_CFRS_NOCMD	cfrs	No command string specified
380b	REASON_CFRS_CMDTOOLONG	cfrs	Command string too long
380c	REASON_CFRS_OUTPUTWRTEERR	cfrs	Command output write error
380d	REASON_CFRS_NSIERROR	cfrs	Internal CFRS NSI error
380e	REASON_CFRS_DSTABORTEEXEC	cfrs	Execution aborted on execution node
380f	REASON_CFRS_INVALIDIOCTL	cfrs	Invalid ioctl call
3810	REASON_CFRS_BADDSTNODE	cfrs	Destination node not in cluster
3811	REASON_CFRS_BADROPHANDLE	cfrs	Bad remote operation handle
3812	REASON_CFRS_SRCEXECABORTED	cfrs	Remote exec aborted on source node
3813	REASON_CFRS_RESPOUTTOOSMALL	cfrs	Response output buffer too small
3814	REASON_CFRS_MRPCOUTSIZE	cfrs	Unexpected MRPC outsize error
3815	REASON_CFRS_DSTNODELEFT	cfrs	Destination node has left the cluster
3816	REASON_CFRS_DSTDAEMONDOWN	cfrs	cfregd on destination node down
3817	REASON_CFRS_DSTSTATERR	cfrs	Failure to stat dst file dst
3818	REASON_CFRS_DSTNOTREG	cfrs	Existing dstpath not regular file
3819	REASON_CFRS_DSTTMPOPENERR	cfrs	Cannot open tmp file on dst node dst
381a	REASON_CFRS_DSTTMPCHOWNERR	cfrs	Cannot chown tmp file on dst node dst
381b	REASON_CFRS_DSTTMPCHMODERR	cfr s	Cannot chmod tmp file on dst node dst
381c	REASON_CFRS_DSTTMPWRITEERR	cfrs	tmp file write error on dst node
381d	REASON_CFRS_DSTTMPCLOSEERR	cfrs	tmp file close error on dst node
381e	REASON_CFRS_DSTRENAMEERR	cfrs	Failed to rename existing dstpath
381f	REASON_CFRS_TMPRENAMEERR	cfrs	Failed to tmp file to dstpath

Code	Reason	Service	Text
3820	REASON_CFRS_DUPIFC	cfrs	Duplicate remote operation handle error
3821	REASON_CFRS_STALESUBFCREQ	cfrs	Stale remote operation handle error
3822	REASON_CFRS_BADSPAWN	cfrs	Failure to spawn exec cmd on dstnode
3823	REASON_MAX_REASON_VAL	cfrs	last reason

Appendix B Solaris/Linux ERRNO table

This appendix describes the ERRNO table for Solaris and Linux.

Solaris number	Linux number	Name	Description
1	1	EPERM	Operation not permitted / not super-user Typically this error indicates an attempt to modify a file in some way forbidden except to its owner or the super-user. It is also returned for attempts by ordinary users to do things allowed only to the super-user.
2	2	ENOENT	No such file or directory A file name is specified and the file should exist but doesn't, or one of the directories in a path name does not exist.
3	3	ESRCH	No such process, LWP, or thread No process can be found in the system that corresponds to the specified PID, LWPID_t, or thread_t.
4	4	EINTR	Interrupted system call An asynchronous signal (such as interrupt or quit), which the user has elected to catch, occurred during a system service function. If execution is resumed after processing the signal, it will appear as if the interrupted function call returned this error condition. In a multithreaded application, EINTR may be returned whenever another thread or LWP calls fork. (2)
5	5	EIO	I/O error Some physical I/O error has occurred. This error may in some cases occur on a call following the one to which it actually applies.
6	6	ENXIO	No such device or address I/O on a special file refers to a sub-device which does not exist, or exists beyond the limit of the device. It may also occur when, for example, a tape drive is not on-line or no disk pack is loaded on a drive.
7	7	E2BIG	Arg list too long An argument list longer than ARG_MAX bytes is presented to a member of the exec family of functions (see exec(2)). The argument list limit is the sum of the size of the argument list plus the size of the environment's exported shell variables.
8	8	ENOEXEC	Exec format error A request is made to execute a file which, although it has the appropriate permissions,

Solaris number	Linux number	Name	Description
			does not start with a valid format (see a.out(4)).
9	9	EBADF	Bad file number Either a file descriptor refers to no open file, or a read(2) (respectively, write(2)) request is made to a file that is open only for writing (respectively, reading).
10	10	ECHILD	No child processes A wait(2) function was executed by a process that had no existing or unwaited-for child processes.
11	11	EAGAIN	Try again / no more processes or no more LWPs For example, the fork(2) function failed because the system's process table is full or the user is not allowed to create any more processes, or a call failed because of insufficient memory or swap space.
12	12	ENOMEM	Out of memory / not enough space During execution of brk() or sbrk() (see brk(2)), or one of the exec family of functions, a program asks for more space than the system is able to supply. This is not a temporary condition; the maximum size is a system parameter. On some architectures, the error may also occur if the arrangement of text, data, and stack segments requires too many segmentation registers, or if there is not enough swap space during the fork(2) function. If this error occurs on a resource associated with Remote File Sharing (RFS), it indicates a memory depletion which may be temporary, dependent on system activity at the time the call was invoked.
13	13	EACCES	Permission denied An attempt was made to access a file in a way forbidden by the protection system.
14	14	EFAULT	Bad address The system encountered a hardware fault in attempting to use an argument of a routine. For example, errno potentially may be set to EFAULT any time a routine that takes a pointer argument is passed an invalid address, if the system can detect the condition. Because systems will differ in their ability to reliably detect a bad address, on some implementations passing a bad address to a routine will result in undefined behavior.
15	15	NOTBLK	Block device required A non-block device or file was mentioned

Solaris number	Linux number	Name	Description
			where a block device was required (for example, in a call to the mount(2) function).
16	16	EBUSY	Device or resource busy An attempt was made to mount a device that was already mounted or an attempt was made to unmount a device on which there is an active file (open file, current directory, mounted-on file, active text segment). It will also occur if an attempt is made to enable accounting when it is already enabled. The device or resource is currently unavailable. EBUSY is also used by mutexes, semaphores, condition variables, and read-write locks, to indicate that a lock is held, and by the processor control function P_ONLINE.
17	17	EEXIST	File exists An existing file was mentioned in an inappropriate context (for example, call to the link(2) function).
18	18	EXDEV	Cross-device link A hard link to a file on another device was attempted.
19	19	ENODEV	No such device An attempt was made to apply an inappropriate operation to a device (for example, read a writeonly device).
20	20	ENOTDIR	Not a directory A non-directory was specified where a directory is required (for example, in a path prefix or as an argument to the chdir(2) function).
21	21	EISDIR	Is a directory An attempt was made to write on a directory.
22	22	EINVAL	Invalid argument An invalid argument was specified (for example, unmounting a non-mounted device), mentioning an undefined signal in a call to the signal(3C) or kill(2) function.
23	23	ENFILE	File table overflow The system file table is full (that is, SYS_OPEN files are open, and temporarily no more files can be opened).
24	24	EMFILE	Too many open files No process may have more than OPEN_MAX file descriptors open at a time.
25	25	ENOTTY	Not a TTY - inappropriate ioctl for device A call was made to the ioctl(2) function specifying a file that is not a special character device.

Solaris number	Linux number	Name	Description
26	26	ETXTBSY	Text file busy (obsolete) An attempt was made to execute a pure procedure program that is currently open for writing. Also an attempt to open for writing or to remove a pure-procedure program that is being executed.
27	27	EFBIG	File too large The size of the file exceeded the limit specified by resource RLIMIT_FSIZE; the file size exceeds the maximum supported by the file system; or the file size exceeds the offset maximum of the file descriptor.
28	28	ENOSPC	No space left on device While writing an ordinary file or creating a directory entry, there is no free space left on the device. In the fcntl(2) function, the setting or removing of record locks on a file cannot be accomplished because there are no more record entries left on the system.
29	29	ESPIPE	Illegal seek A call to the lseek(2) function was issued to a pipe.
30	30	EROFS	Read-only file system An attempt to modify a file or directory was made on a device mounted read-only.
31	31	EMLINK	Too many links An attempt to make more than the maximum number of links, LINK_MAX, to a file.
32	32	EPIPE	Broken pipe A write on a pipe for which there is no process to read the data. This condition normally generates a signal; the error is returned if the signal is ignored.
33	33	EDOM	Math argument out of domain of function The argument of a function in the math package (3M) is out of the domain of the function.
34	34	ERANGE	Math result not representable The value of a function in the math package (3M) is not representable within node precision.
35	42	ENOMSG	No message of desired type An attempt was made to receive a message of a type that does not exist on the specified message queue (see msgrcv(2)).
36	43	EIDRM	Identifier removed This error is returned to processes that resume execution due to the removal of an identifier from the file system's name space (see msgctl(2), semctl(2), and shmctl(2)).

Solaris number	Linux number	Name	Description
37	44	ECHRNG	Channel number out of range
38	45	EL2NSYNC	Level 2 not synchronized
39	46	EL3HLT	Level 3 halted
40	47	EL3RST	Level 3 reset
41	48	ELNRNG	Link number out of range
42	49	EUNATCH	Protocol driver not attached
43	50	ENOC SI	No CSI structure available
44	51	EL2HLT	Level 2 halted
45	35	EDEADLK	Resource deadlock condition A deadlock situation was detected and avoided. This error pertains to file and record locking, and also applies to mutexes, semaphores, condition variables, and read-write locks.
46	37	ENOLCK	No record locks available There are no more locks available. The system lock table is full (see fcntl(2)).
47	125	ECANCELED	Operation canceled The associated asynchronous operation was canceled before completion.
48	95	ENOTSUP	Not supported This version of the system does not support this feature. Future versions of the system may provide support.
49	122	EDQUOT	Disc quota exceeded A write(2) to an ordinary file, the creation of a directory or symbolic link, or the creation of a directory entry failed because the user's quota of disk blocks was exhausted, or the allocation of an inode for a newly created file failed because the user's quota of inodes was exhausted.
50	52	EBADE	Invalid exchange
51	53	EBADR	Invalid request descriptor
52	54	EXFULL	Exchange full
53	55	ENOANO	No anode
54	56	EBADRQC	Invalid request code
55	57	EBADSLT	Invalid slot
56	35	EDEADLOCK	File locking deadlock error
57	59	EBFONT	Bad font file format
58	-	EOWNERDEAD	Process died with the lock
59	-	ENOTRECOVERABLE	Lock is not recoverable
60	60	ENOSTR	Device not a stream A putmsg(2) or getmsg(2) call was

Solaris number	Linux number	Name	Description
			attempted on a file descriptor that is not a STREAMS device.
61	61	ENODATA	No data available No data (for no-delay I/O).
62	62	ETIME	Timer expired The timer set for a STREAMS ioctl(2) call has expired. The cause of this error is device specific and could indicate either a hardware or software failure, or perhaps a timeout value that is too short for the specific operation. The status of the ioctl() operation is indeterminate. This is also returned in the case of _lwp_cond_timedwait(2) or cond_timedwait(2).
63	63	ENOSR	Out of stream resources During a STREAMS open(2) call, either no STREAMS queues or no STREAMS head data structures were available. This is a temporary condition; one may recover from it if other processes release resources.
64	64	ENONET	Node is not on the network This error is Remote File Sharing (RFS) specific. It occurs when users try to advertise, unadvertise, mount, or unmount remote resources while the node has not done the proper startup to connect to the network.
65	65	ENOPKG	Package not installed This error occurs when users attempt to use a call from a package which has not been installed.
66	66	EREMOTE	Object is remote This error is RFS-specific. It occurs when users try to advertise a resource which is not on the local node, or try to mount/unmount a device (or pathname) that is on a remote node.
67	67	ENOLINK	Link has been severed This error is RFS-specific. It occurs when the link (virtual circuit) connecting to a remote node is gone.
68	68	EADV	Advertise error This error is RFS-specific. It occurs when users try to advertise a resource which has been advertised already, or try to stop RFS while there are resources still advertised, or try to force unmount a resource when it is still advertised.
69	69	ESRMNT	Srmount error This error is RFS-specific. It occurs when an attempt is made to stop RFS while resources

Solaris number	Linux number	Name	Description
			are still mounted by remote nodes, or when a resource is readadvertised with a client list that does not include a remote node that currently has the resource mounted.
70	70	ECOMM	Communication error on send This error is RFS-specific. It occurs when the current process is waiting for a message from a remote node, and the virtual circuit fails.
71	71	EPROTO	Protocol error Some protocol error occurred. This error is device-specific, but is generally not related to a hardware failure.
72	-	ELOCKUNMAPPED	Locked lock was unmapped
74	72	EMULTIHOP	Multihop attempted This error is RFS-specific. It occurs when users try to access remote resources which are not directly accessible.
76	73	EDOTDOT	RFS specific error This error is RFS-specific. A way for the server to tell the client that a process has transferred back from mount point.
77	74	EBADMSG	Not a data message /* trying to read unreadable message */ During a read(2), getmsg(2), or ioctl(2) I_RECVFD call to a STREAMS device, something has come to the head of the queue that cannot be processed. That something depends on the call: read(): control information or passed file descriptor. getmsg():passed file descriptor. ioctl():control or data information.
78	36	ENAMETOOLONG	File name too long The length of the path argument exceeds PATH_MAX, or the length of a path component exceeds NAME_MAX while _POSIX_NO_TRUNC is in effect; see limits(4).
79	75	E_OVERFLOW	Value too large for defined data type
80	76	ENOTUNIQU	Name not unique on network Given log name not unique.
81	77	EBADF	File descriptor in bad state Either a file descriptor refers to no open file or a read request was made to a file that is open only for writing.
83	79	ELIBACC	Cannot access a needed shared library Trying to exec an a.out that requires a static shared library and the static shared library does not exist or the user does not have permission to use it.

Solaris number	Linux number	Name	Description
84	80	ELIBBAD	Accessing a corrupted shared library Trying to exec an a.out that requires a static shared library (to be linked in) and exec could not load the static shared library. The static shared library is probably corrupted.
85	81	ELIBSCN	.lib section in a.out corrupted Trying to exec an a.out that requires a static shared library (to be linked in) and there was erroneous data in the .lib section of the a.out. The .lib section tells exec what static shared libraries are needed. The a.out is probably corrupted.
86	82	ELIBMAX	Attempting to link in too many shared libraries Trying to exec an a.out that requires more static shared libraries than is allowed on the current configuration of the system. See NFS Administration Guide.
87	83	ELIBEXEC	Cannot exec a shared library directly Attempting to exec a shared library directly.
88	84	EILSEQ	Illegal byte sequence Illegal byte sequence when trying to handle multiple characters as a single character.
89	38	ENOSYS	Function not implemented / operation not applicable Unsupported file system operation.
90	40	ELOOP	Symbolic link loop Number of symbolic links encountered during path name traversal exceeds MAXSYMLINKS.
91	85	ERESTART	Restartable system call Interrupted system call should be restarted.
92	86	ESTRPIPE	Streams pipe error (not externally visible) If pipe/FIFO, don't sleep in stream head.
93	39	ENOTEMPTY	Directory not empty
94	87	EUSERS	Too many users Too many users (for UFS).
95	88	ENOTSOCK	Socket operation on non-socket
96	89	EDESTADDRREQ	Destination address required A required address was omitted from an operation on a transport endpoint. Destination address required.
97	90	EMSGSIZE	Message too long A message sent on a transport provider was larger than the internal message buffer or some other network limit.
98	91	EPROTOTYPE	Protocol wrong type for socket A protocol was specified that does not

Solaris number	Linux number	Name	Description
			support the semantics of the socket type requested.
99	92	ENOPROTOOPT	Protocol not available A bad option or level was specified when getting or setting options for a protocol.
120	93	EPROTONOSUPPORT	Protocol not supported The protocol has not been configured into the system or no implementation for it exists.
121	94	ESOCKTNOSUPPORT	Socket type not supported The support for the socket type has not been configured into the system or no implementation for it exists.
122	95	EOPNOTSUPP	Operation not supported on transport endpoint For example, trying to accept a connection on a datagram transport endpoint.
123	96	EPFNOSUPPORT	Protocol family not supported The protocol family has not been configured into the system or no implementation for it exists. Used for the Internet protocols.
124	97	EAFNOSUPPORT	Address family not supported by protocol An address incompatible with the requested protocol was used.
125	98	EADDRINUSE	Address already in use User attempted to use an address already in use, and the protocol does not allow this.
126	99	EADDRNOTAVAIL	Cannot assign requested address Results from an attempt to create a transport end-point with an address not on the current node.
127	100	ENETDOWN	Network is down Operation encountered a dead network.
128	101	ENETUNREACH	Network is unreachable Operation was attempted to an unreachable network.
129	102	ENETRESET	Network dropped connection because of reset The node you were connected to crashed and rebooted.
130	103	ECONNABORTED	Software caused connection abort A connection abort was caused internal to your node.
131	104	ECONNRESET	Connection reset by peer A connection was forcibly closed by a peer. This normally results from a loss of the connection on the remote node due to a timeout or a reboot.
132	105	ENOBUFS	No buffer space available An operation on a transport endpoint or pipe

Solaris number	Linux number	Name	Description
			was not performed because the system lacked sufficient buffer space or because a queue was full.
133	106	EISCONN	Transport endpoint is already connected A connect request was made on an already connected transport endpoint; or, a sendto(3N) or sendmsg(3N) request on a connected transport endpoint specified a destination when already connected.
134	107	ENOTCONN	Transport endpoint is not connected A request to send or receive data was disallowed because the transport endpoint is not connected and (when sending a datagram) no address was supplied.
135	117	EUCLEAN	Structure needs cleaning
137	118	ENOTNAM	Not a XENIX named type file
138	119	ENAVAIL	No XENIX semaphores available
139	120	EISNAM	Is a named type file
140	121	EREMOTEIO	Remote I/O error
141	-	EINIT	Define EINIT 141 /* Reserved for future use* /
142	-	EREMDEV	Define EREMDEV 142 /* Error 142 */
143	108	ESHUTDOWN	Cannot send after transport endpoint shutdown A request to send data was disallowed because the transport endpoint has already been shut down.
144	109	ETOOMANYREFS	Too many references: cannot splice
145	110	ETIMEDOUT	Connection timed out A connect(3N) or send(3N) request failed because the connected party did not properly respond after a period of time; or a write(2) or fsync(3C) request failed because a file is on an NFS file system mounted with the soft option.
146	111	ECONNREFUSED	Connection refused No connection could be made because the target node actively refused it. This usually results from trying to connect to a service that is inactive on the remote node.
147	112	EHOSTDOWN	Node is down A transport provider operation failed because the destination node was down.
148	113	EHOSTUNREACH	No route to node A transport provider operation was attempted to an unreachable node.

Solaris number	Linux number	Name	Description
149	114	EALREADY	Operation already in progress An operation was attempted on a non-blocking object that already had an operation in progress.
150	115	EINPROGRESS	Operation now in progress An operation that takes a long time to complete (such as a connect()) was attempted on a nonblocking object).
151	116	ESTALE	Stale NFS file handle
-	11	EWOULDBLOCK	Operation would block
-	123	ENOMEDIUM	No medium found
-	124	EMEDIUMTYPE	Wrong medium type

Appendix C Release Information

This appendix lists the main changes in this manual.

No.	Edition	Location	Description
1	Second edition	2.3 Error Messages for Uninstallation Script (Linux)	Added the following message. ERROR: Failed to install FJQSS<Information Collection Tool>
2	Second edition	4.4 Warning Messages	Added the following message. ccmtrcstr: FJSVclerr Onltrc start fail
3	Second edition	5.1.3 Warning Messages	Added the following message. CF: Initialization failed. Error: Unsupported network interface devices found.
4	Second edition	5.2 Shutdown Facility Message	Changed the description to "Corrective action" of the following message. The specified guest domain cannot be connected. (nodename: <i>nodename</i>)
5	Second edition	6.1.1.14 SWT: Switch requests (hvs witch command)	Added the following messages: (SWT, 89) (SWT, 90)
6	Second edition	6.1.3.2 ADM: Admin, command, and detector queues	Changed the description to "Content" of (ADM, 100).
7	Second edition	6.1.3.2 ADM: Admin, command, and detector queues	Added the following messages: (ADM, 128) (ADM, 129)
8	Second edition	6.1.3.4 BM: Base monitor	Modified the description to "Corrective action" of the following message. (BM, 113)
9	Second edition	6.1.3.14 SCR: Scripts	Changed the descriptions to "Content" and "Corrective action" of the following message. (SCR, 9)
10	Second edition	6.2.1 NOTICE Messages	Added the following messages: NOTICE: Removing any possible Rawdisk links below reliant/dev/rawdisk... NOTICE: ip addr del <ipaddrprefix> failed (<errorcode>). NOTICE: ip link set dev <interface> down failed (<errorcode>).
11	Second edition	6.2.1 NOTICE Messages	Changed the description to "Content" of the following messages: NOTICE: <application> is Online and has priority, so exit with error here ... NOTICE: Removing any possible stale nfs links below reliant/dev/nfs...
12	Second edition	6.2.2 WARNING Messages	Added the following messages. WARNING: ip addr add <ipaddress>/<netmask> failed (<errorcode>). WARNING: ip link set dev <interface> up failed (<errorcode>).

No.	Edition	Location	Description
13	Second edition	6.2.3 ERROR Messages	Added the following message. ERROR: xfs_repair <device> failed with error code <code>.
14	Second edition	6.3 Console Error Messages	Added the following message. ERROR: Local SysNode must be specified Request cannot be processed. The following resource(s) are unexpectedly online Resource is already online on target node Resource type must be userApplication or gResource systemctl command exited with retcode The state of RMS service is not active but state The userApplication is in the state Inconsistent on any node The userApplication must be in the state Online, Offline or Standby on target node Usage: hvswitch [-f] userApplication [SysNode] [-f] resource SysNode -p userApplication Usage: hvutil {-a -d -c -s} userApplication -f [-q] userApplication {-f -c} resource {-t n -N string } resource -L {level display} resource {-o -u} SysNode -l {level display} -w -W -i {all userApplication} -r -m {on off forceoff} userApplication -M {on off forceoff} {-C -E} SatNode
15	Third edition	3.1.4 Error Messages	Modified the message text and description to "Corrective action" of the following message. "2981"
16	Third edition	3.1.4 Error Messages	Modified the description to "Corrective action" of the following messages: "2982" "2983" "2984" "2985"
17	Third edition	3.1.4 Error Messages	Added the following messages: "2986" "2991" "2992" "2993" "2994" "2995" "2996" "2997" "2998"
18	Third edition	5.2.3 Non-fatal error messages	Added the following message. The shutdown attempt for host <hostname> could not complete - all SA's failed
19	Third edition	5.2.4 Fatal error messages	Added the following messages: SA SA_kzchkhost to test host nodename failed SA SA_kzonep to test host nodename failed SA SA_kzoner to test host nodename failed SA SA_rpdu to test host nodename failed
20	Third edition	5.2.4 Fatal error messages	Added the descriptions to "Corrective action" of the following messages. SA SA_xscfsnmpg0p.so to test host nodename failed

No.	Edition	Location	Description
			SA SA_xscfsnmpg1p.so to test host nodename failed SA SA_xscfsnmpg0r.so to test host nodename failed SA SA_xscfsnmpg1r.so to test host nodename failed SA SA_xscfsnmp0r.so to test host nodename failed SA SA_xscfsnmp1r.so to test host nodename failed
21	Third edition	6.2.2 WARNING Messages	Modified "Corrective action" of the following message. WARNING: The IPAddress <ipaddress resource> failed to reach the state Offline in a safe time limit of 180.
22	Third edition	Chapter 7 Messages at Executing Commands 7.14 sfrpdupoweron command messages (Solaris)	Added the messages of the sfrpdupoweron command.
23	Fourth edition	3.1.4 Error Messages	Modified the descriptions to "Content" and "Corrective action" of the following messages: "3156" "3157" "3158" "3159"
24	Fourth edition	5.1 CF Messages	Added "Note."
25	Fourth edition	5.2.2 Information Messages; Corrective Action Required	Modified the description to "Corrective action" of the following message. WARNING : Pid <i>process id</i> is not able to be terminated. The SA <i>Shutdown Agent</i> is now disabled from host <i>nodename</i>
26	Fourth edition	5.2.4 Fatal error messages	Modified the description to "Corrective action" of the following messages: SA SA_pprcip.so to test host <i>nodename</i> failed SA SA_pprcir.so to test host <i>nodename</i> failed
27	Fourth edition	6.2.1 NOTICE Messages	Modified the description to "Corrective action" of the following messages: NOTICE: cannot grab mount lock for dostat() check_getbdev(), returning previous state NOTICE: cannot grab mount lock for dostat() <X>, returning previous state
28	Fourth edition	6.2.2 WARNING Messages	Modified the description to "Corrective action" of the following messages: cannot grab mount lock for dostat() check_getbdev(), returning previous state cannot unlock mount lock for dostat() check_getbdev()
29	Fourth edition	6.2.2 WARNING Messages	Modified the descriptions to "Content" and "Corrective action" of the following message: WARNING: stat of <mountpoint> failed
30	Fourth edition	6.3 Console Error Messages	Added the following messages: ERROR: Maintenance Mode request cannot be processed. A userApplication is not in an appropriate state on remote hosts. See switchlog of remote hosts for details! - <i>userApplication</i> ERROR: Maintenance Mode request cannot be processed. The state of the following objects is conflicting with the state of their parents. Leaving maintenance Mode now will cause a Fault to occur.

No.	Edition	Location	Description
31	Fifth edition	4.5 Error Messages	Changed the description to "Corrective action" of the following message. "7214"
32	Fifth edition	4.5 Error Messages	Added the following message. "7244"
33	Fifth edition	6.2.1 NOTICE Messages	Changed the descriptions to "Content" and "Corrective Action" of the following message. NOTICE: The command "<command>" has exceeded the allotted time limit <timeout>, returning offline!
34	Fifth edition	6.2.1 NOTICE Messages	Added the following message. NOTICE: The command "<command>" has exceeded the allotted time limit <timeout>, returning <state>! (Previous state is <previous state>)
35	Sixth edition	4.5 Error Messages	Modified the description to "Corrective action" of the following message: "6900"
36	Sixth edition	5.1 CF Messages	Added the following messages: OSDU_start: CF configured invalid IP address %s OSDU_start: CF configured too many IP addresses %s
37	Sixth edition	5.2.2 Information Messages; Corrective Action Required	Modified the description to "Content" of the following message: Failed to perform delay
38	Sixth edition	5.2.4 Fatal error messages	Modified the description to "Corrective action" of the following messages: SA SA_blade to test host nodename failed SA SA_ipmi to test host nodename failed SA SA_lkcd to test host nodename failed
39	Sixth edition	5.2.4 Fatal error messages	Added the following message: SA SA_vwvvr to test host nodename failed
40	Sixth edition	Chapter 7 Messages at Executing Commands 7.15 cfrecoverdev command messages (Solaris) 7.19 sfkvmtool command messages	Added the messages of the cfrecoverdev command and the sfkvmtool command.
41	Sixth edition	7.1.2.3 cfconfig -s or cfconfig -S	Added the following messages: cfconfig: Invalid argument device: '#0405: generic: no such device/resource' cfconfig: Too many argument device: '#0405: generic: no such device/resource' cfconfig: Invarld IP address device : '#0405: generic: no such device/resource'
42	Sixth edition	7.12 wvstat message	Modified the description to "Corrective action" of the following message: wvstat Warn: Can't connect to server <IP address or hostname>,<port number>
43	Seventh edition	Chapter 3 GUI Messages	Moved the 7xx messages of "3.1 Cluster Admin Messages" to "3.2 CRM View Messages."
44	Seventh edition	3.1.2 Information Messages; Corrective Action Required	Added the following messages: "2999" "4100" "4101"

No.	Edition	Location	Description
			"4102" "4103"
45	Seventh edition	3.1.4 Error Messages	Changed the following message: "2944"
46	Seventh edition	3.3.1 Information Messages	Added the following message: "0897"
47	Seventh edition	3.3.2 Warning Messages	Added the following messages: "0898" "0900" "0901"
48	Seventh edition	3.3.3 Error Messages	Changed the content and corrective action of the following messages: "0880" "0893"
49	Seventh edition	3.3.3 Error Messages	Changed the corrective action of the following message: "0886"
50	Seventh edition	3.3.3 Error Messages	Added the following message: "0899"
51	Seventh edition	Chapter 4 FJSVcluster Format Messages	Added the description of the locales of displayed messages.
52	Seventh edition	4.5 Error Messages	Changed the corrective action of the following messages: "7210" "7235" "7240"
53	Seventh edition	4.5 Error Messages	Added the following messages: "7043" "7245"
54	Seventh edition	4.5 Error Messages 5.2.4 Fatal error messages	Added SPARC M12 to support server models.
55	Seventh edition	5.2.4 Fatal error messages	Changed the corrective action of the following messages: SA SA_kzchkhost to test host <i>nodename</i> failed The specified guest domain cannot be connected. (<i>nodename:nodename</i>)
56	Seventh edition	6.1.2 Warning Messages	Changed the content of the following message: (UAP, 3)
57	Seventh edition	6.1.3 Non-fatal Error Messages	Changed the content of the following message: (ADM, 82)
58	Seventh edition	6.1.3 Non-fatal Error Messages	Deleted the following messages: (ADM, 118) (BAS, 37) (BAS, 38) (BAS, 39) (BAS, 40) (BAS, 41) (BAS, 42) (BM, 114) (GEN, 2) (WRP, 10)

No.	Edition	Location	Description
59	Seventh edition	6.1.4 Fatal Error Messages	Deleted the following messages: (SCR, 28) (SCR, 29)
60	Seventh edition	6.1.4 Fatal Error Messages	Changed the content of the following message: (UAP, 36)
61	Seventh edition	6.2.1 Notice Messages	Changed the content of the following messages: NOTICE About to configure <Interface> ... NOTICE About to configure <MountPoint> ...
62	Seventh edition	6.2.1 Notice Messages 6.2.2 Warning Messages 6.2.3 Error Messages	Added messages.
63	Seventh edition	6.3 Console Error Messages	Changed the content and corrective action of the following message: ERROR: Maintenance Mode request cannot be processed. A userApplication is not in an appropriate state on remote hosts. See switchlog of remote hosts for details! - userApplication
64	Seventh edition	6.3 Console Error Messages	Deleted the following messages: hvutil: Processing Manual Mode request (<i>request</i>) for satellite node <i>node</i> . Manual Mode request (<i>request</i>) failed for satellite node <i>node</i> . Manual Mode request successfully processed for satellite node <i>node</i> .
65	Seventh edition	6.3 Console Error Messages	Changed the text of the following messages: Usage: hvutil {-a -d -c -s} userApplication -f [-q] userApplication {-t n -N string } resource -L {level display} resource {-o -u} SysNode -l {level display} -w -W -i {all userApplication} -r -m {on off forceoff} userApplication -M {on off forceoff} Usage: hvutil {-a -d -c -s} userApplication -f [-q] userApplication {-f -c} resource {-t n -N string } resource -L {level display} resource {-o -u} SysNode -l {level display} -w -W -i {all userApplication} -r -m {on off forceoff} userApplication -M {on off forceoff}
66	Seventh edition	6.3 Console Error Messages	Added note to the following messages: Usage: hvswitch [-f] userApplication [SysNode] -p userApplication Usage: hvutil {-a -d -c -s} userApplication -f [-q] userApplication {-t n -N string } resource -L {level display} resource {-o -u} SysNode -l {level display} -w -W -i {all userApplication} -r -m {on off forceoff} userApplication -M {on off forceoff}
67	Seventh edition	7.10.3 Error messages	Changed the content and corrective action of the following message: "8103"
68	Seventh edition	7.16.2 Warning messages	Changed the corrective action of the following message: RCS D returned an error for this command, error is value
69	Seventh edition	7.18.1 Error messages	Changed the corrective action of the following message: <command> command failed. return_value=<value>.

No.	Edition	Location	Description
70	Seventh edition	7.18.1 Error messages	Added the following messages: First SSH connection to the guest domain has not been done yet. (node: <i>nodename</i> ipaddress: <i>ipaddress</i> detail: <i>code</i>) The specified guest domain cannot be connected. (nodename: <i>nodename</i>)
71	Eighth edition	4.3 Information Messages	Changed the content of the following message: "3085"
72	Eighth edition	4.3 Information Messages	Added the following messages: "3120" "3121" "3122" "3123" "3124"
73	Eighth edition	4.4 Warning Messages	Changed the corrective action of the following message: "5021"
74	Eighth edition	4.5 Error Messages	Changed the content and corrective action of the following messages: "7210" "7212" "7213" "7215"
75	Eighth edition	4.5 Error Messages	Added the following messages: "7216" "7601" "7602" "7603" "7604" "7606" "7607" "7608" "7609" "7610"
76	Eighth edition	5.2.1 Information Messages for which Corrective Action is Unnecessary	Moved the following message to "5.2.2 Information and Warning Messages for which Corrective Action is Necessary", and changed the corrective action of the message: WARNING: No context allocation. MA Monitoring Agent for host <i>nodename</i> is neglected
77	Eighth edition	5.2.1 Information Messages for which Corrective Action is Unnecessary	Changed the section title.
78	Eighth edition	5.2.2 Information and Warning Messages for which Corrective Action is Necessary	Moved the following message to "5.2.3 Non-fatal error messages": ERROR:Admin LAN and CIP on the same interface
79	Eighth edition	5.2.2 Information and Warning Messages for which Corrective Action is Necessary	Changed the section title.
80	Eighth edition	5.2.2 Information and Warning Messages for which Corrective Action is Necessary	Modified the content of the following message and added a note: SA Shutdown Agent to shutdown host <i>nodename</i> failed

No.	Edition	Location	Description
81	Eighth edition	5.2.3 Non-fatal error messages	Modified the content of the following message and added a note: The shutdown attempt for host <hostname> could not complete - all SA's failed
82	Eighth edition	5.2.4 Fatal error messages	Changed the corrective action of the following message: SA Shutdown Agent to init host nodename failed
83	Eighth edition	Chapter 7 Messages at Executing Commands 7.20 clirmcsetup command messages (Linux) 7.21 clirmcmonctl command messages (Linux) 7.22 clmmbmonctl command messages (Linux)	Added the following command messages: clirmcmonctl command clirmcsetup command clmmbmonctl command
84	Ninth edition	4.2 Operator Intervention Messages	Changed the following messages: "1421" "1422" "1423"
85	Ninth edition	4.5 Error Messages	Changed the contents and the corrective action of the following messages: "7212" "7214" "7605" "7607"
86	Ninth edition	4.5 Error Messages	Added the following message: "7611"
87	Ninth edition	5.1.4 Error Messages	Added the following message: CF: This kernel version is not supported.
88	Ninth edition	5.2.4 Fatal error messages	Changed the corrective action of the following message: cannot determine the port on which the advertisement server should be started
89	Ninth edition	5.2.4 Fatal error messages	Added the following messages: SA SA_irmcf.so to test host nodename failed SA SA_irmcp.so to test host nodename failed SA SA_irmcr.so to test host nodename failed Illegal /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg file. CFName= <i>nodename</i> is not found. Illegal /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg file. <i>itemname</i> is not found. Illegal /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg file. " <i>itemname</i> " is not found. Illegal /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg file. The invalid character string of "/v.X.X" is included in " <i>itemname</i> ". SA SA_vmosr to test host nodename failed The authentication request failed. The configuration file /etc/opt/SMAW/SMAWsf/SA_vmosr.cfg does not exist. The configuration file /opt/SMAW/SMAWRrms/etc/os_endpoint.cfg does not exist. The information acquisition request of the virtual machine <i>instancename</i> failed.

No.	Edition	Location	Description
			The stop request of the virtual machine <i>instancename</i> failed.
90	Ninth edition	6.1.3.5 CML: Command line	Changed the content and the corrective action of the following message: (CML, 20)
91	Ninth edition	6.2.1 NOTICE Messages	Added the following messages: NOTICE: /opt/SMAW/bin/hvsgpr: IP advertising began NOTICE: /opt/SMAW/bin/hvsgpr: IP advertising ended. Return code <code> NOTICE: Alarm clock rang! NOTICE: Begin to kill the IP advertising process NOTICE: IP advertising ended because <CFnodename> is UP NOTICE: IP advertising ended because the Offline processing of <application> began NOTICE: IP advertising ended because IP advertising was executed <count> times
92	Ninth edition	7.20 clirmcsetup command messages (Linux)	Changed the corrective action of the following message: IP address is not set to iRMC.
93	Ninth edition	7.22 clmmbmonctl command messages (Linux)	Changed the contents of the following messages: The devmmbd daemon does not exist. The devmmbd daemon exists. Failed to start the devmmbd daemon because the server architecture is invalid.
94	Tenth edition	5.1.4 Error Messages	Added the following messages: cfconfig: dl_bind: DL_SYSERR error cfconfig: get_net_dev: dl_bind failed: /dev/<network interface name> cfrecon: dl_bind: DL_SYSERR error cfrecon: get_net_dev: dl_bind failed: /dev/<network interface name>
95	Eleventh edition	Chapter 4 FJSVcluster Format Messages	Added notes about severity levels of output messages.
96	Eleventh edition	4.1 HALT Messages	Moved the following message to "4.5 Error Messages": "0102"
97	Eleventh edition	4.1 HALT Messages 4.4 Warning Messages	Added notes.
98	Eleventh edition	4.4 Warning Messages	Changed the corrective action of the following message: "2207"
99	Eleventh edition	4.5 Error Messages	Moved the following message to "4.4 Warning Messages": "7130"
100	Eleventh edition	5.2.4 Fatal error messages	Added the following message: SA_lkcd: FJSVossn is not installed.
101	Eleventh edition	6.1.2.4 BM: Base monitor	Changed the content of the following message: (BM, 82)
102	Eleventh edition	6.1.3.16 SYS: SysNode objects	Changed the corrective action of the following message: (SYS, 101)
103	Eleventh edition	6.2.3 ERROR Messages	Changed the corrective action of the following message: ERROR Cannot create directory <mountpoint>.

No.	Edition	Location	Description
104	Eleventh edition	7.11 pclsnap messages	Changed the corrective action of the following message: WARNING: The output file "xxx" may not contain some data files. DIAG: ...
105	Eleventh edition	7.19.2 Error messages	Changed the corrective action of the following message: Command command cannot be executed on the guest OS guest_name. ret= <i>ret_code</i>
106	Eleventh edition	7.20 sfkvmigrate command messages (Linux)	Added the following messages: /etc/opt/FJSVcluster/etc/kvmguests.conf is invalid. configuration file /etc/opt/FJSVcluster/etc/kvmguests.conf is not existing. errno=<errno> domain "<domainname>" is not running. failed to get domain "<domainname>" status. It is not Host OS. No system administrator authority. The guest domain information of the specified node name is not registered. (nodename:<domainname>) The Migration function cannot be used in this environment. (nodename:nodename) The specified guest domain cannot be connected. (nodename:nodename) the specified option is invalid. opt= <i>value</i>
107	Twelfth edition	4.4 Warning Messages	Changed the corrective action of the following message: "5021"
108	Twelfth edition	4.5 Error Messages	Changed the corrective action of the following message: "7214"
109	Twelfth edition	5.2.4 Fatal error messages	Added the following messages: Illegal <i>configfile</i> file. <i>item</i> is not found SA SA_vmk5r to test host <i>nodename</i> failed The configuration file <i>configfile</i> does not exist The information acquisition request of the virtual machine <i>ServerName</i> failed. The stop request of the virtual machine <i>ServerName</i> failed.
110	Twelfth edition	5.2.4 Fatal error messages	Modified the description in "Corrective action" of the following messages: SA SA_blade to test host nodename failed SA SA_ipmi to test host nodename failed SA SA_ikcd to test host nodename failed
111	Twelfth edition	5.2.4 Fatal error messages	Changed the content and the corrective action of the following message: The authentication request failed.
112	Twelfth edition	6.2.3 ERROR Messages	Added the following message: ERROR: Failed to access disk < <i>disk</i> >.
113	Thirteenth edition	5.2.4 Fatal error messages	Changed the name of "FUJITSU Cloud Service for OSS" to "FUJITSU Hybrid IT Service FJcloud-O."
114	Thirteenth edition	5.2.4 Fatal error messages	Added the following messages: Failed to get kernel parameter kernel.panic. Failed to get kernel parameter kernel.sysrq. Failed to get kernel parameter kernel.unknown_nmi_panic. Illegal /etc/kdump.conf file. default option is not found.

No.	Edition	Location	Description
			<p>Illegal /etc/kdump.conf file. default option setting is incorrect.</p> <p>Illegal /etc/kdump.conf file. kdump_post option is not found.</p> <p>Illegal /etc/kdump.conf file. kdump_post option setting is incorrect.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg file. CFName=<i>nodename</i> is not found.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg file. CFName=<i>nodename</i> is not found.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg file. <i>itemname</i> is not found.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg file. <i>itemname</i> is not found.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg file. The invalid data is included.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg file. The invalid data is included.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg file. CFName=<i>nodename</i> is not found.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg file. <i>itemname</i> is not found.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg file. The invalid data is included.</p> <p>Illegal kernel parameter. kernel.panic setting is incorrect.</p> <p>Illegal kernel parameter. kernel.sysrq setting is incorrect.</p> <p>Illegal kernel parameter. kernel.unknown_nmi_panic setting is incorrect.</p> <p>SA SA_vmawsReset to test host <i>nodename</i> failed</p> <p>SA SA_vmawsAsyncReset to test host <i>nodename</i> failed</p> <p>SA SA_vmazureReset to test host <i>nodename</i> failed</p> <p>The AWS CLI execution failed.</p> <p>The Azure CLI execution failed.</p> <p>The configuration file /etc/opt/SMAW/SMAWsf/SA_vmawsReset.cfg does not exist.</p> <p>The configuration file /etc/opt/SMAW/SMAWsf/SA_vmawsAsyncReset.cfg does not exist.</p> <p>The configuration file /etc/opt/SMAW/SMAWsf/SA_vmazureReset.cfg does not exist.</p> <p>The information acquisition request of the virtual machine <i>instance-id</i> failed.</p> <p>The information acquisition request of the virtual machine <i>resource-id</i> failed.</p> <p>The stop request of the virtual machine <i>instance-id</i> failed.</p> <p>The stop request of the virtual machine <i>resource-id</i> failed.</p>
115	Thirteenth edition	6.2.1 NOTICE Messages	<p>Added the following messages:</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Allocation-ID not found on Instance.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Associate Elastic IP address with network interface.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Associates the DNS record IP address with the domain name.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: External command executed. detail=<aws_command options></p>

No.	Edition	Location	Description
			<p>NOTICE: /opt/SMAW/bin/hvawsipalias: Instance-ID not found on RouteTables.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Received SIGTERM signal.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Replacing the route of Route Table.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Start begin.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Start end.</p> <p>Return code=<code>.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Stop begin.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Stop end.</p> <p>Return code=<code>.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: The IpAddress <IpAddress> not found on HostZone.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: The network interface is not active.</p> <p>NOTICE: /opt/SMAW/bin/hvawsipalias: Waiting until the DNS record status becomes INSYNC.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: External command executed.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: InstanceIPAddress not found on Route Table.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Received SIGTERM signal.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Replacing the route of Route Table.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Start begin.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Start end.</p> <p>Return code=<code>.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Stop begin.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Stop end.</p> <p>Return code=<code>.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: The combination of Instance and its IP address is invalid. InstanceIPAddress=<VirtualMachineIPAddress>, InstanceID=<ResourceID></p> <p>NOTICE: Check completed successfully. file=<config></p>
116	Thirteenth edition	6.2.3 ERROR Messages	<p>Added the following messages:</p> <p>ERROR: /opt/SMAW/bin/hvawsipalias: External command failed. exit=<exit_code> detail=<aws_command_options></p> <p>ERROR: /opt/SMAW/bin/hvawsipalias: Invalid configuration file. file=<config>,KeyName=<KeyName></p> <p>ERROR: /opt/SMAW/bin/hvawsipalias: Invalid configuration file. file=<config>,Mode=<Mode></p> <p>ERROR: /opt/SMAW/bin/hvawsipalias: IpAddress not found in the <file>.</p> <p>ERROR: /opt/SMAW/bin/hvawsipalias: Multiple KeyNames are defined. KeyName=<KeyName></p> <p>ERROR: /opt/SMAW/bin/hvawsipalias: The configuration file <config> does not exist.</p> <p>ERROR: /opt/SMAW/bin/hvazureipalias: External command failed. exit=<exit_code>,detail=<azure_command_options></p> <p>ERROR: /opt/SMAW/bin/hvazureipalias: Invalid</p>

No.	Edition	Location	Description
			<p>configuration file. file=<config>, KeyName=<KeyName> ERROR: /opt/SMAW/bin/hvazureipalias: Invalid configuration file. file=<config>, Mode=<Mode> ERROR: /opt/SMAW/bin/hvazureipalias: Multiple KeyNames are defined. KeyName=<KeyName> ERROR: /opt/SMAW/bin/hvazureipalias: The configuration file <config> does not exist. ERROR: az login failed. AppID=<AppID>, TenantID=<TenantID>, CertPath=<CertPath> ERROR: CF is not running. ERROR: CF node name not found in the configuration file. file=<config> ERROR: Failed to check AWS resource ID. id=<ID> ERROR: Failed to check Azure resource ID. id=<ID> ERROR: Incorrect KeyName is set. KeyName=<KeyName> ERROR: Invalid configuration file. file=<config>, KeyName=<KeyName> ERROR: Invalid configuration file. file=<config>, KeyName=<KeyName> ERROR: Invalid configuration file. file=<config>, Mode=<Mode> ERROR: Invalid configuration file. file=<config>, Mode=<Mode> ERROR: Multiple KeyNames are defined. KeyName=<KeyName> ERROR: Multiple modes are set to a single KeyName. KeyName=<KeyName>, Mode=<Mode1, Mode2> ERROR: The certificate file <certificate_file_path> does not exist. ERROR: The combination of Instance and its IP address is invalid. InstanceIPAddress=<VirtualMachineIPAddress>, InstanceID=<ResourceID> ERROR: The configuration file <config> does not exist. ERROR: The ENIID and Instance do not match. ENIID=<ENIID>, Instance-ID=<Instance-ID> ERROR: Undefined CF node name is set. CF node name=<CF></p>
117	Fourteenth edition	4.5 Error Messages	<p>Changed the corrective action of the following message: 7240 Connection to the XSCF is refused. (node:nodename ipaddress:ipaddress detail:code)</p>
118	Fourteenth edition	5.2.4 Fatal error messages	<p>Changed the corrective action of the following messages: SA SA_vmk5r to test host <i>nodename</i> failed SA SA_vmawsReset to test host <i>nodename</i> failed SA SA_vmawsAsyncReset to test host <i>nodename</i> failed</p>
119	Fourteenth edition	6.2.1 NOTICE Messages	<p>Added the corrective action of the following message: NOTICE: /opt/SMAW/bin/hvawsipalias: The network interface is not active.</p>
120	Fifteenth edition	5.2.4 Fatal error messages	<p>Added the following messages: Decryption of SecretAccesskey failed. Illegal /etc/opt/SMAW/SMAWsf/ SA_vmnifclAsyncReset.cfg file. CFName=<i>nodename</i> is not found.</p>

No.	Edition	Location	Description
			<p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg file. <i>itemname</i> is not found.</p> <p>Illegal /etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg file. The invalid data is included.</p> <p>SA SA_vmnifclAsyncReset to test host <i>nodename</i> failed.</p> <p>The configuration file /etc/opt/SMAW/SMAWsf/SA_vmnifclAsyncReset.cfg does not exist.</p>
121	Fifteenth edition	5.2.4 Fatal error messages	<p>Changed the descriptions in "Content" and "Corrective action" of the following messages:</p> <p>The information acquisition request of the virtual machine <i>ServerName</i> failed.</p> <p>The stop request of the virtual machine <i>ServerName</i> failed.</p>
122	Fifteenth edition	6.2.1 NOTICE Messages	<p>Deleted the following messages:</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: External command executed.detail=<azure_command_options></p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: InstanceIPAddress not found on Route Table.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Received SIGTERM signal.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Replacing the route of Route Table.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Start begin.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Start end. Return code=<code>.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Stop begin.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: Stop end. Return code=<code>.</p> <p>NOTICE: /opt/SMAW/bin/hvazureipalias: The combination of Instance and its IP address is invalid.InstanceIPAddress=<VirtualMachineIPAddress>, InstanceID=<ResourceID></p>
123	Fifteenth edition	6.2.3 ERROR Messages	<p>Added the following messages:</p> <p>ERROR: Failed to check Azure Resource Group. Resource Group=<value></p> <p>ERROR: Resource Group does not exist. Resource Group=<value></p> <p>ERROR: NIC name does not exist. NIC name=<value></p> <p>ERROR: Invalid configuration file. file=<config></p> <p>ERROR: IP address does not match with Takeover network resource.</p> <p>ERROR: /opt/SMAW/bin/hvazurenic: Invalid configuration file. file=<config></p> <p>ERROR: /opt/SMAW/bin/hvazurenic: Failed to add secondary IP address <ipaddress></p>
124	Fifteenth edition	6.2.3 ERROR Messages	<p>Deleted the following messages:</p> <p>ERROR: /opt/SMAW/bin/hvazureipalias: External command failed.</p> <p>exit=<exit_code>,detail=<azure_command_options></p> <p>ERROR: /opt/SMAW/bin/hvazureipalias: Invalid configuration file. file=<config>, KeyName=<KeyName></p> <p>ERROR: /opt/SMAW/bin/hvazureipalias: Invalid configuration file. file=<config>, Mode=<Mode></p>

No.	Edition	Location	Description
			ERROR: /opt/SMAW/bin/hvazureipalias: Multiple KeyNames are defined. KeyName=<KeyName> ERROR: /opt/SMAW/bin/hvazureipalias: The configuration file <config> does not exist.
125	Fifteenth edition	Chapter 8 Smart Workload Recovery Messages	Added messages output when the smart workload function is used.

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