
PRIMEQUEST

500A/500/400 SERIES

REFERENCE MANUAL:
MESSAGES/LOGS

FOR SAFE OPERATION

This manual contains important information regarding the use and handling of this product. Read this manual thoroughly. Keep this manual handy for further reference.

Fujitsu makes every effort to prevent users and bystanders from being injured or from suffering damage to their property. Use the product according to this manual.

ABOUT THIS PRODUCT

This product is designed and manufactured for use in standard applications such as office work, personal device, household appliance, and general industrial applications. This product is not intended for use in nuclear-reactor control systems, aeronautical and space systems, air traffic control systems, mass transportation control systems, medical devices for life support, missile launch control systems or other specialized uses in which extremely high levels of reliability are required, the required levels of safety cannot be guaranteed, or a failure or operational error could be life-threatening or could cause physical injury (referred to hereafter as "high-risk" use). You shall not use this product without securing the sufficient safety required for high-risk use. If you wish to use this product for high-risk use, please consult with sales representatives in charge before such use.

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WARNING: This is a product which meets Class A of EN55022. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

The following notice is for USA users only.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Laser standards

This equipment includes Class 1 laser products and complies with FDA Radiation Performance Standards, 21 CFR 1040.10 and 1040.11, and the International Laser Safety Standards IEC60825-1: 2001.

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Revision History

(1/1)

Edition	Date	Revised section (Added/ Deleted/ Altered)	Details
01	2005-07-11	—	—
02	2005-09-16	All chapters (addition) Section 1.4 (correction)	Messages added Technical brushup
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08	2007-08-31	Section 1.4 (correction) Chapter 3 (correction)	Addition of description for Linux dump function kdump PSA messages added
09	2008-03-10	Entire manual (addition)	Addition of description for PRIMEQUEST 580A/540A
10	2008-04-10	Entire manual (addition and correction)	Messages added Error corrections

Note: In this table, the revised section is indicated by its section number in the current edition.

An asterisk (*) indicates a section in the previous edition.

Preface

This manual describes the actions to be taken in response to errors occurring during operation of the PRIMEQUEST-series machine, and it explains different types of messages.

The manual is intended for system administrators. Read the manual and, for reference, see the *PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands*, *PRIMEQUEST 500A/500/400 Series Reference Manual: Tools/Operation Information*, and the other manuals referred to in this manual.

This section explains

- [Manual Contents and Organization](#)
- [Other Reference Manuals](#)
- [Abbreviations](#)
- [Text Conventions](#)
- [Syntax of the Command Line Interface \(CLI\)](#)
- [Notes Regarding Notations Used in This Manual](#)
- [Conventions for Alert Messages](#)
- [Environmental Requirements for Using This Product](#)
- [Reader Feedback](#)

Manual Contents and Organization

This manual is organized as follows:

[CHAPTER 1 Troubleshooting Overview](#)

Describes how to check the device status in the event of a problem in the main unit and the actions to be taken in response to the problem.

[CHAPTER 2 MMB Messages](#)

Describes management board (MMB) messages and lists these messages.

[CHAPTER 3 PSA Messages](#)

Describes PRIMEQUEST Server Agent (PSA) messages and lists these messages.

CHAPTER 4 Other Messages

Describes the error messages displayed during screen operations and lists these messages.

Appendix A Troubleshooting

Describes the actions to be taken in response to errors occurring during operation of the PRIMEQUEST-series machine.

Glossary

Explains the terms used in this manual.

Index

Describes keywords and corresponding reference page numbers.

Other Reference Manuals

The following manuals are provided for reference:

- a) PDF manuals included on the *PRIMEQUEST Manuals* CD-ROM disk (C122-E013-C2)

Title	Description	Manual code
<i>PRIMEQUEST 580A/540A/580/540/480/440 System Design Guide</i>	Explains requirements, considerations, and notes on the system operation design of the PRIMEQUEST 580A/540A/580/540/480/440.	C122-B001EN
<i>PRIMEQUEST 580A/540A/580/540/480/440 Installation Planning Manual</i>	Explains specifications and requirements for installation sites that are applicable to the installation of the PRIMEQUEST 580A/540A/580/540/480/440.	C122-H001EN
<i>PRIMEQUEST 500A/500/400 Series Installation Manual</i>	Explains the setup of the PRIMEQUEST, including the preparation for the installation, initial settings, and software installation.	C122-E001EN
<i>PRIMEQUEST 520A/520/420 System Design Guide</i>	Explains requirements, considerations, and notes on the system operation design of the PRIMEQUEST 520A/520/420.	C122-B009EN
<i>PRIMEQUEST 580A/540A/520A/520/420 Installation Planning Manual</i>	Explains specifications and requirements for installation sites that are applicable to the installation of the PRIMEQUEST 520A/520/420.	C122-H002EN
<i>PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands</i>	Explains operations, setup methods, and the system management method that are required for the system operation of the PRIMEQUEST. The explanation covers basic operations and functions of the MMB, PSA, and EFI.	C122-E003EN

Title	Description	Manual code
<i>PRIMEQUEST 500A/500/400 Series Reference Manual: Tools/Operation Information</i>	Explains system maintenance, Hot Plug, REMCS, and LEDs and other information required for system operation. Also, the manual provides supplementary information such as information on the physical locations of components.	C122-E074EN
<i>PRIMEQUEST 500A/500/400 Series Reference Manual: Messages/Logs</i>	Explains measures to be taken against problems that occur during operation and describes various types of messages.	C122-E004EN
<i>PRIMEQUEST GSWB User's Manual</i>	Explains the requirements, points to consider, and notes concerning installing and operating GSWB, an optional product.	C122-E028EN
<i>SPARC Enterprise/PRIMEQUEST Common Installation Planning Manual</i>	Explains basic information and policy on installation planning and facilities planning that are required for the installation of the SPARC Enterprise series and PRIMEQUEST series.	C120-H007EN
<i>PRIMEQUEST 580A/580 Dynamic Partitioning (DP) Manual</i>	Explains the Dynamic Partitioning (DP) function which the PRIMEQUEST 580A/540A supports.	C122-E085EN

b) Printed manual

For the printed manual (sold separately), contact your certified service engineer.

- *PRIMEQUEST 500A/500/400 Series Installation Manual* (C122-E001EN)

Abbreviations

In this manual, the product names are abbreviated as follows:

Long title	Abbreviations
Red Hat® Enterprise Linux® AS (v.4 for Itanium) Red Hat	Red Hat (*)
Red Hat® Enterprise Linux® 5 (for Intel Itanium)	
Red Hat® Enterprise Linux® AS (v.4 for Itanium)	RHEL-AS4 (IPF)
Red Hat® Enterprise Linux® 5 (for Intel Itanium)	RHEL5 (IPF)
SUSE™ Linux Enterprise Server 9 for Itanium Processor Family	SUSE
SUSE™ Linux Enterprise Server 10 for Itanium Processor Family	
Microsoft® Windows Server® 2003, Enterprise Edition for Itanium-based Systems	Windows Windows Server 2003
Microsoft® Windows Server® 2003, Datacenter Edition for Itanium-based Systems	
Microsoft® Windows Server® 2008 for Itanium-Based Systems	Windows Windows Server 2008

* Version-independent abbreviation

Text Conventions

This manual uses the following fonts and symbols to express specific types of information.

Fonts/symbols	Meaning	Example
<i>Italic</i>	Indicates names of manuals.	See the <i>PRIMEQUEST 580A/540A/580/540/480/440 System Design Guide</i> .
" "	Indicates names of manuals, chapters, sections, items, buttons, or menus.	See Chapter 5, "System Maintenance."
[]	Indicates window names, window button names, tab names, and dropdown menu selections.	Click the [OK] button.

Syntax of the Command Line Interface (CLI)

The command syntax is described below.

Command syntax

The command syntax is as follows:

- A variable that requires input of a value must be enclosed in < >.
- An optional element must be enclosed in [].
- A group of options for an optional keyword must be enclosed in [] and delimited by |.
- A group of options for a mandatory keyword must be enclosed in { } and delimited by |.



The command syntax is shown in a frame such as this one.

Notes Regarding Notations Used in This Manual

- Items marked with "Linux" apply to both Red Hat® Enterprise Linux® AS (v.4 for Itanium), Red Hat® Enterprise Linux® 5 (for Intel Itanium), and SUSE™ Linux Enterprise Server 9 for Itanium Processor Family, and SUSE™ Linux Enterprise Server 10 for Itanium Processor Family.
- The IO Unit is indicated as "IOU" in the MMB Web-UI and in the figures shown in this manual.

Conventions for Alert Messages

This manual uses the following conventions to show alert messages. An alert message consists of an alert signal and alert statements.

 WARNING	This indicates a hazardous situation that <i>could result in serious personal injury</i> if the user does not perform the procedure correctly.
 CAUTION	This indicates a hazardous situation that <i>could result in minor or moderate personal injury</i> if the user does not perform the procedure correctly. This signal also indicates that damage to the product or other property <i>may</i> occur if the user does not perform the procedure correctly.
IMPORTANT	This indicates information that could help the user to use the product more effectively.

Alert messages in the text

In the text, alert messages are indented to distinguish them from regular text. A wider space precedes and follows the message to show where the message begins and ends.

⚠ WARNING

Certain tasks in this manual should only be performed by a certified service engineer. Users must not perform these tasks. Incorrect operation of these tasks may cause electric shock, injury, or fire.

- Installation and reinstallation of all components, and initial settings
- Removal of front, rear, or side covers
- Mounting/de-mounting of optional internal devices
- Plugging or unplugging of external interface cards
- Maintenance and inspections (repairing, and regular diagnosis and maintenance)

Environmental Requirements for Using This Product

This product is a computer which is intended to be used in a computer room. For details on the operational environment, see the following manuals:

- *PRIMEQUEST 580A/540A/580/540/480/440 Installation Planning Manual* (C122-H001EN)
- *PRIMEQUEST 520A/520/420 Installation Planning Manual* (C122-H002EN).

Reader Feedback

- In this manual, it is assumed that two BMMs (optional products) can be connected to a single IO Unit or IOX; this is reflected both in the explanations and in the figures included in this manual. At present, however, the PRIMEQUEST 400 series supports only connection to one BMM (BMM#0) per IO Unit or IOX.
- In this manual, the term BP (BackPlane) used in descriptions for the PRIMEQUEST 480/440 series actually stands for MP (MidPlane).
- The screen images in this manual may be different from the actual screen images.
- If you find any errors or unclear statements in this manual, please fill in the "Reader's Comment Form" sheet at the back of this manual and forward it to the address indicated at the bottom of the sheet.
- This manual is subject to revision without prior notice.
- The PDF version of this manual is best viewed in Adobe® Reader® with a magnification of 100% and Single Page for the page layout.

Product Handling

Maintenance

WARNING

Certain tasks in this manual should only be performed by a certified service engineer. Users must not perform these tasks. Incorrect operation of these tasks may cause electric shock, injury, or fire.

- Installation and reinstallation of all components, and initial settings
- Removal of front, rear, or side covers
- Mounting/de-mounting of optional internal devices
- Plugging or unplugging of external interface cards
- Maintenance and inspections (repairing, and regular diagnosis and maintenance)

CAUTION

The following tasks regarding this product and the optional products provided from Fujitsu should only be performed by a certified service engineer. Users must not perform these tasks. Incorrect operation of these tasks may cause malfunction.

- Unpacking optional adapters and such packages delivered to the users

Remodeling/Rebuilding

CAUTION

Do not make mechanical or electrical modifications to the equipment. Using this product after modifying or overhauling may cause unexpected injury or damage to the property, the user, or bystanders.

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CHAPTER 1 Troubleshooting Overview

This chapter describes the actions to be taken in response to system errors.

Figure 1.1 shows the basic workflow of troubleshooting.

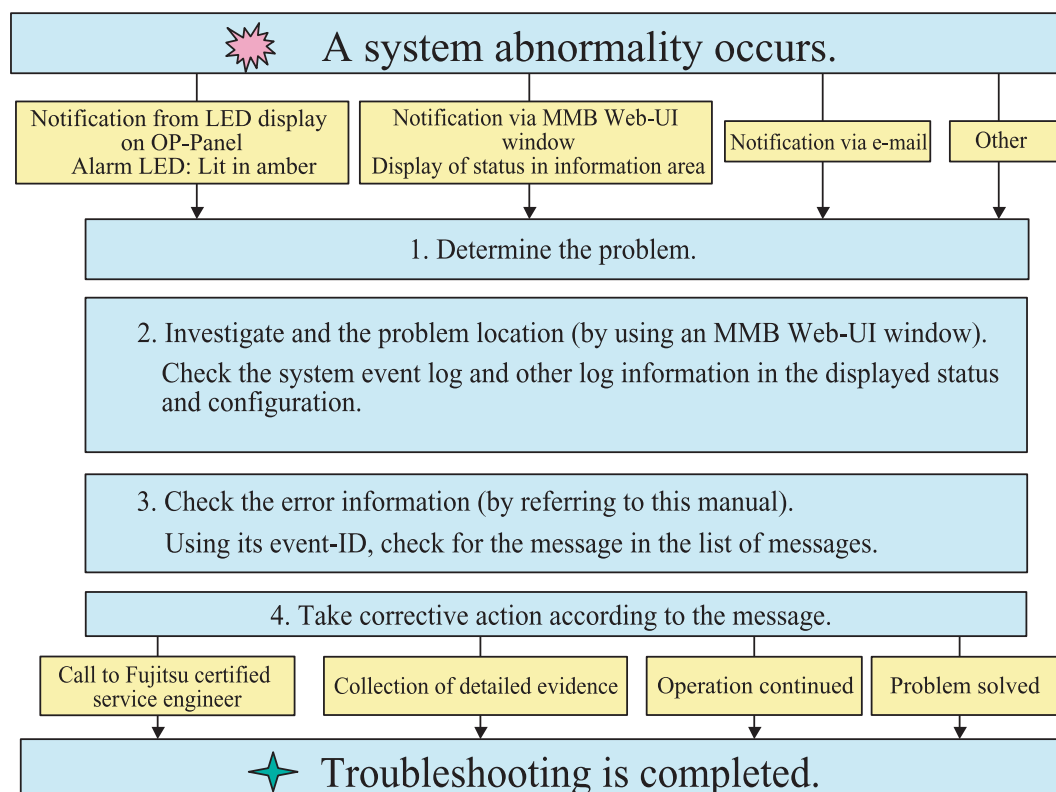


Figure 1.1 Troubleshooting outline

1.1 Checking the Error State

If a system error occurs, the error state can be determined from the LED display on the OP-Panel or from notification via an MMB Web-UI window or e-mail message. The e-mail notification requires operation settings in advance.

This section uses PRIMEQUEST 580A/540A/580/540/480/440 system windows for explanation purposes.

Note: If "Read Error" is displayed for [Part Number] or [Serial Number] in the MMB-Web-UI window (contents area and information area), contact your Fujitsu certified service engineer.

LED display on the OP-Panel

[Figure 1.2](#) shows the locations of LEDs on the OP-Panel. The Alarm LED indicates whether an error has occurred in the main unit.

If an error occurs in the main unit, the Alarm LED is lit in amber.

When the Alarm LED is off, the main unit is in the normal state.

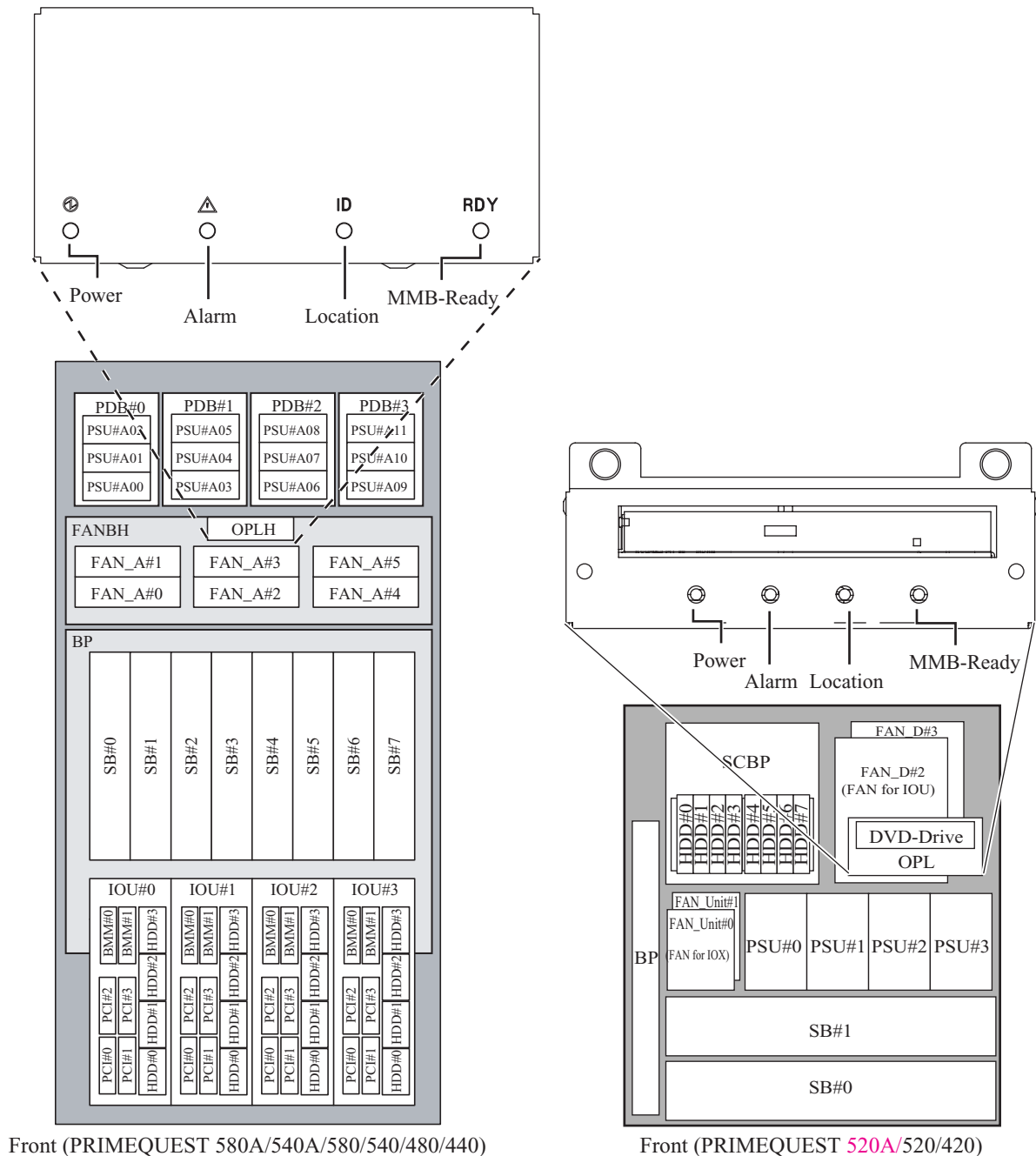


Figure 1.2 Alarm LED display on the OP-Panel

Remarks: Only the PRIMEQUEST 500A/500 series supports BMM#1.

The Alarm LED, when lit, indicates that at least one error has occurred in the unit.

The occurrence of multiple errors is indicated the same way.

The OP-Panel also has the MMB-Ready LED. Confirm the normal state of the MMB by the MMB-Ready LED lit in green. If the MMB-Ready LED is off, select [System] → [MMB] → [MMB#x], select [Enable] in [Enable/Disable MMB] in the [MMB#x] window, and click the [Apply] button to start the MMB.

MMB Web-UI window

The MMB Web-UI window shown in Figure 1.3 always indicates whether an error has occurred.

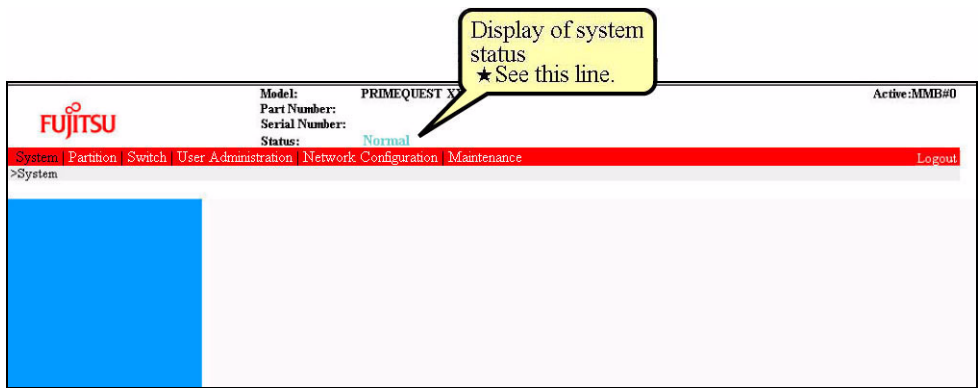


Figure 1.3 System status displayed in an MMB Web-UI window

The system status is displayed in [Status] in the information area, which is always displayed in MMB Web-UI windows. Figure 1.4 lists the states that are displayed. "Normal" indicates the normal state, and "Warning" or "Error" indicates an abnormal state. If a system error occurs, an icon is displayed and the user can click the icon to view the contents of the corresponding message in the [System Event Log] window.



Status	Displayed color	Icon
Normal	Green	(None)
Warning	Yellow	Black "!" in a yellow triangle 
Error	Red	White "x" in a red circle 

Figure 1.4 Displayed system states

Note: If "Read Error" is displayed for [Part Number] or [Serial Number] in the MMB-Web-UI window (contents area and information area), contact your Fujitsu certified service engineer.

Browser

The MMB Web-UI supports the following browsers:

- Internet Explorer: Version 5.5 (SP2) and later
- Netscape: Version 7.02 and later

Notification by Alarm e-mail

The system error state can be determined from notification by Alarm e-mail.

When [Network Configuration] → [Alarm E-Mail] has been selected from the MMB menu window, the settings for notification by Alarm e-mail in the event of an error can be made as shown in [Figure 1.5](#).

Errors to be notified can be filtered by specifying error types, partitions, and target components.

Figure 1.5 Alarm e-mail setting window

Other

Particular errors may occur at system startup, and other errors concerning different types of drivers may occur.

For details on such errors, see [CHAPTER 4, "Other Messages."](#)

If one of the MMB error or warning states shown in the following "operation interruption check conditions" occurs, refrain from operating the window. Instead, contact your Fujitsu certified service engineer.

- Operation interruption check conditions
 - The Alarm LED on the MMB is on.
 - The Active LEDs on both MMB#0 and MMB#1 are off.
 - A connection to the MMB Web-UI cannot be established.
 - The Alarm LEDs on two or more boards in the main unit are on.
 - "ReadError" is displayed on the MMB Web-UI.
 - "Not Present" is displayed for the state of every unit in the [System Status] window of the MMB Web-UI.

1.2 Investigating Errors

An investigation of an error first determines its location. Check for the fault location, that is, whether the error is in an SB, IO Unit, or another component, and check which partition contains the fault. The actions taken in response to the error depend on its location and severity and system operation patterns.

This section uses PRIMEQUEST 580A/540A/580/540/480/440 system windows for explanation purposes.

Checking for a faulty component

Check the component configuration of the entire system to locate the faulty component.

Select [System] → [System Status] from the MMB menu window to display the window shown in Figure 1.6. The status of each component can then be checked.

The screenshot shows the 'System Status' web interface. On the left is a navigation menu with options like System Status, System Event Log, System Information, Firmware Information, System Setup, System Power Control, LEDs, Power Supply, Fans, Temperature, SB, IOU, System Interconnect, Other Boards, MMB, GSWE, and PCI_Box. The main content area is titled 'System Status' and includes a 'Refresh' button and a 'Help' button. Below the title, it says 'Click a link below to view detailed information about each unit.' There are several tables displaying the status of different components:

Power Supply	Fans	Temperature
OK	OK	OK

SB#0	SB#1	SB#2	SB#3	SB#4	SB#5	SB#6	SB#7
OK	OK	OK	OK	OK	OK	OK	OK

IOU#0	IOU#1	IOU#2	IOU#3	IOU#4	IOU#5	IOU#6	IOU#7
OK	OK	OK	OK	OK	OK	OK	OK

XAI#0	XAI#1	XDI#0	XDI#1	XDI#2	XDI#3
OK	OK	OK	OK	OK	OK

CPCB	KVM	OP-Panel
OK	OK	OK

MMB#0	MMB#1	GSWE#0	GSWE#1
OK	OK	OK	OK

PCI_Box#0	PCI_Box#1	PCI_Box#2	PCI_Box#3	PCI_Box#4	PCI_Box#5	PCI_Box#6	PCI_Box#7
OK	Not-present	Not-present	Not-present	Not-present	Not-present	Not-present	Not-present

Figure 1.6 Displayed system status

Click the icon displayed for a component at the time an error occurs to display the status of the component. If "Read Error" is displayed for [Part Number] or [Serial Number] in the MMB Web-UI window (contents area and information area), contact your Fujitsu certified service engineer.

Select [System] → [System Event Log] to display the [System Event Log] window (Figure 1.7), and check the component status and the system event log.

Since this system event log has important information for an investigation, click the [Download] button at the bottom of the window to save this information. The information is essential when you contact the Fujitsu certified service engineer.

For details on how to read system event log messages, see [CHAPTER 2, "MMB Messages."](#)

If an error state is displayed for the GSWB, see "Checking the GSWB error state."

Severity	Date/Time	Unit	Source	Event ID	Description	Detail
Info	2005-12-14 14:36:52	Partition#0	P#0 Sys Status	C06F02FF	Reset	Detail
Info	2005-12-14 14:32:45	Partition#0	P#0 Sys Status	C06F02FF	Reset	Detail
Info	2005-12-14 14:28:35	Partition#0	P#0 Sys Status	C06F02FF	Reset	Detail
Info	2005-12-14 14:24:28	Partition#0	P#0 Sys Status	C06F02FF	Reset	Detail
Info	2005-12-14 14:20:07	Partition#0	P#0 Sys Status	C06F02FF	Reset	Detail
Info	2005-12-14 14:19:22	Partition#0	P#0 Sys Status	C06F01FF	Power On In Progress	Detail
Info	2005-12-14 11:43:09	Partition#0	P#0 Sys Status	C06F00FF	Power Off	Detail
Info	2005-12-14 11:42:21	Partition#0	P#0 Sys Status	C06F08FF	Power Off In Progress	Detail
Info	2005-12-14 11:40:27	Partition#0	P#0 Sys Status	C06F02FF	Reset	Detail
Info	2005-12-14 11:36:20	Partition#0	P#0 Sys Status	C06F02FF	Reset	Detail

Figure 1.7 Displayed system event log

Checking for a partition with a fault

Check the partition configuration of the entire system to locate the partition that has an error state.

Select [Partition] → [Partition Configuration] from the MMB menu window to display the window shown in [Figure 1.8](#).

The status of each partition can then be checked.

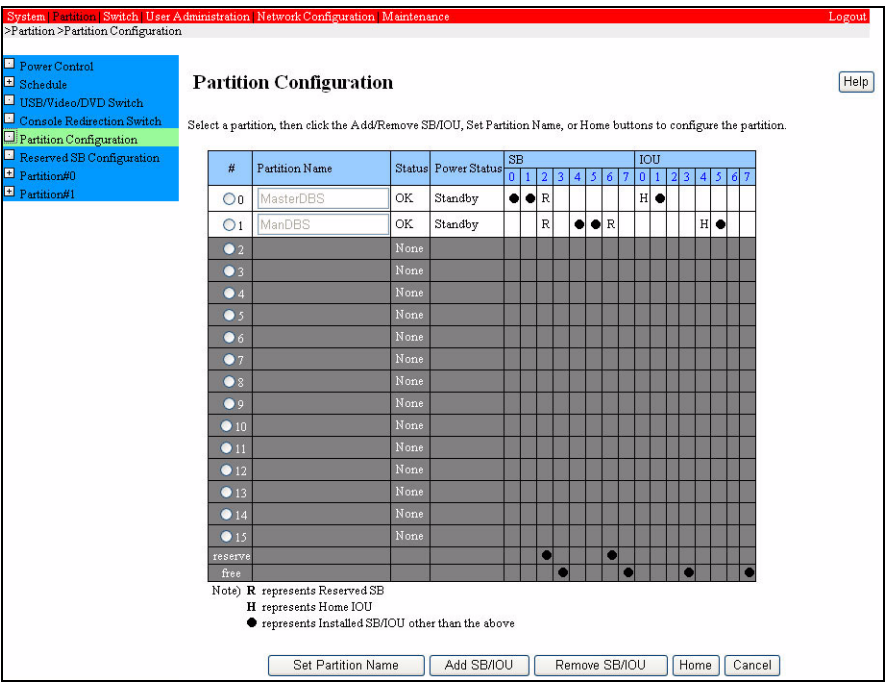


Figure 1.8 Displayed partition status

Checking the error states of a partition

Check the error states of the partition.

Check the states of the partition in a PSA Web-UI window.

Select [Partition] → [PSA] → [Agent Log] from the MMB menu window to display the window shown in [Figure 1.9](#).

Log information is displayed, and errors that occurred in the partition can be checked. For details on how to read agent log messages, see [CHAPTER 3, "PSA Messages."](#)

[CHAPTER 3, "PSA Messages,"](#) explains the messages and describes the appropriate actions to be taken in order of Event-ID. From the window as shown in [Figure 1.9](#), write down the Event-ID and message contents of the applicable error that occurred, and use this written information to check the error state. The displayed information can be downloaded by clicking the [Download] button at the bottom of the window.

Agent Log

To display detailed information, click on the entry number.

No.	Date/Time	Severity	Unit	Event ID	Description
1	2005-08-18 15:34:23	Warning	IOU#6- EMMH#0- NIC#1	11101	e100-eth0 Adapter error (self_test failed) vendor-id=8086 device-id=1209 revision=10

Results 1 of 1

Download Filter

Figure 1.9 Displayed PSA agent log

Checking the GSWB error state (applicable only to PRIMEQUEST 580A/540A/580/540/480/440)

Check the GSWB error state with regard to the business LAN.

GSWB Web-UI windows are operated from MMB Web-UI windows.

Go to the GSWB operation window by clicking [Switch] on the navigation bar. Then, open any of the [Message Log], [Error Log], [Line Log], and [Trap Log], and check the log.

For details on how to read GSWB log messages, see the *PRIMEQUEST GSWB User's Manual* (C122-E028EN).

[Figure 1.10](#) shows an example of a displayed message log.

Seq	Date	Host	ID	Message
1668	2005-06-08 10:17:52	GSWB_test_g swb1	IF-6400-0000	Install edit configuration command.
1669	2005-06-08 10:17:53	GSWB_test_g swb1	IF-6400-0000	Install exec command.
1670	2005-06-08 10:17:53	GSWB_test_g swb1	IF-6400-0000	Install configuration command.
1671	2005-06-08 10:17:53	GSWB_test_g swb1	IF-6400-0000	Install edit configuration command.
1672	2005-06-08 10:17:53	GSWB_test_g swb1	IF-6400-0000	Install exec command.
1673	2005-06-08 10:17:53	GSWB_test_g swb1	IF-6400-0000	Install configuration command.
1674	2005-06-08 10:17:53	GSWB_test_g swb1	IF-6400-0000	Install edit configuration command.
1675	2005-06-08 10:17:54	GSWB_test_g swb1	IF-6400-0000	Install exec command.
1676	2005-06-08 10:17:54	GSWB_test_g swb1	IF-6400-0000	Install configuration command.
1677	2005-06-08 10:17:54	GSWB_test_g swb1	IF-6400-0000	Install edit configuration command.
1678	2005-06-08 10:17:54	GSWB_test_g swb1	IF-6400-0000	Install exec command.

Figure 1.10 Displayed GSWB message log

1.3 Checking Error Information

Check message contents, and take appropriate action.

Using the message IDs shown in each displayed log, check the corresponding message contents in the message descriptions in this manual, and take appropriate action.

Message IDs and contents are essential information when you contact the Fujitsu certified service engineer. Therefore, be sure to write them down.

The manual does not contain explanations of some messages. In such cases, contact your Fujitsu certified service engineer.

- System event messages detected by the MMB: [CHAPTER 2, "MMB Messages."](#)
- Messages detected by a partition: [CHAPTER 3, "PSA Messages."](#)
- Messages detected by the GSWB (applicable only to PRIMEQUEST 580A/540A/580/540/480/440): *PRIMEQUEST GSWB User's Manual (C122-E028EN)*

1.4 Collecting Evidence

This section describes how to collect data for an investigation.

If a system error occurs and its cause cannot be identified, data must be collected for an investigation. If the error stops a partition, a memory dump for the partition has already been collected.

Fujitsu uses this information to promptly identify the cause of the system error and correct the error.

1.4.1 System data output tool (fjsnap) (Linux)

fjsnap is a tool for batch collection of the system information (e.g., configuration information, operation information, definition information, access log) required for error analysis.

fjsnap collects information in the form of up to 1,000 files covering about 200 types of information, and it produces files that contain a compressed version of the collected information.

Figure 1.11 outlines the system information collection by fjsnap.

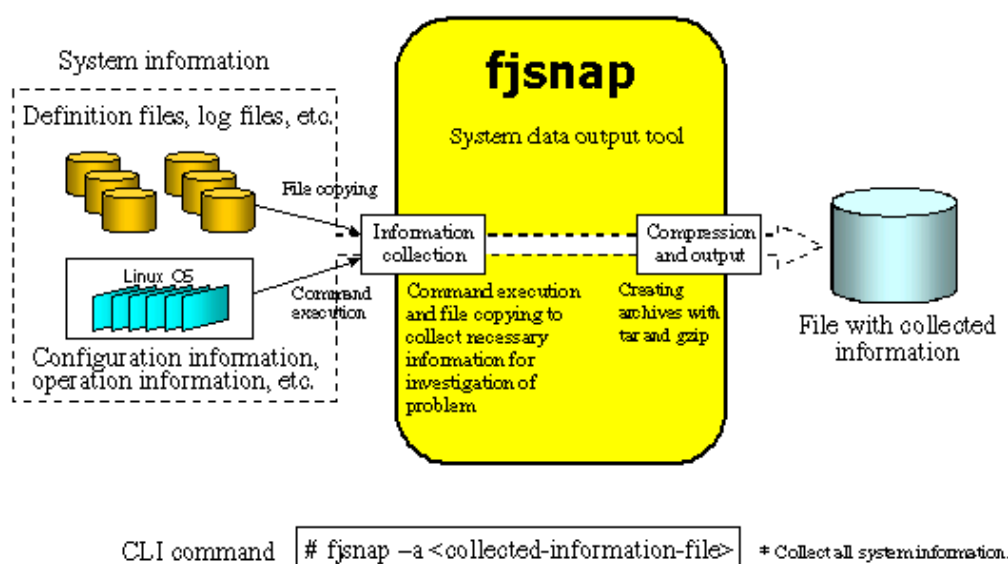


Figure 1.11 Outline of system information collection by fjsnap

fjsnap has the following three execution modes:

- fjsnap command (system data output function) execution
- fjsnaplt command (simple collection function) execution
- Automatic execution in the event of a system panic (dump interlock function)

fjsnap command (system data output function) execution

The fjsnap command is used for batch collection of the system information required for error analysis in the event of a system error. This command is usually used to collect the system information.

The system administrator logs in as the super user to the system and executes the command shown below to collect the system information. In the following example, the collected information file is output to /var/tmp/fjsnap.tar.gz.

```
# /usr/sbin/fjsnap -a /tmp/fjsnap.tar.gz
```

Since the fjsnap command collects different types of information, the system load (caused by CPU access, I/O access, etc.) increases temporarily. Sufficient care must be taken when this command is used during system operation.

fjsnaplt command (simple collection function) execution

The fjsnaplt command is used to locate and isolate an error for an investigation. If a system error occurs and system information collection should have as little effect as possible on system operation, use the fjsnaplt command to collect the system information.

The system administrator logs in as the super user to the partition and executes the command shown below to collect the system information.

In the following example, the collected information file is output to /var/tmp/fjsnaplt.tar.gz.

```
# /usr/sbin/fjsnaplt -a /tmp/fjsnaplt.tar.gz
```

The fjsnaplt command works faster and with a smaller system load than the fjsnap command, but the information that is collected is limited to dynamic information such as operations and logs.

Automatic execution in the event of a system panic (dump interlock function)

When a dump is collected because of a system panic, the `fjsnap` command is automatically issued to collect system information in the subsequent reboot processing.

The dump interlock function targets the dumps collected by the following dump functions:

- `diskdump`
- `kdump`
- `LKCD`

The file with the collected information has the following save destination and name:

Save destination of the collected information file	: /var/crash/<dump-dir> /var/log/dump/<dump-dir>
Name of the collected information file	: <code>fjsnap.tar.gz</code>

<dump-dir>: storage directory of the last dump collected

This function is triggered by:

- Dump saving during reboot processing

For details on `fjsnap`, see README file, which is stored at the following directory:

- `/opt/FJSVsnap`

1.4.2 Dump-related operation (Linux: Red Hat)

When a system error occurs in PRIMEQUEST series machines, the customer notifies a Fujitsu certified service engineer of the error as an incident. The engineer studies the error based on the dump. The operation to collect a dump for this kind of investigation is performed in a special way. The operation for dump collection at the time of error occurrence is explained below in the order given:

- [Dump collection timing](#) (→ 1.4.2.1)
- [Dump collection using `diskdump` or `kdump`](#) (→ 1.4.2.2)
- [Dump backup](#) (→ 1.4.2.3)

1.4.2.1 Dump collection timing

Roles of diskdump and kdump functions

The dump functions of PRIMEQUEST include the diskdump and kdump functions. These two dump functions have the following roles:

- **diskdump function**
The diskdump function, which is provided by RHEL-AS4 (IPF), collects a dump in the even of an error during operation.
- **kdump function**
The kdump function, which is a standard function of Linux and provided by RHEL5 (IPF), collects a dump in the even of an error during operation.

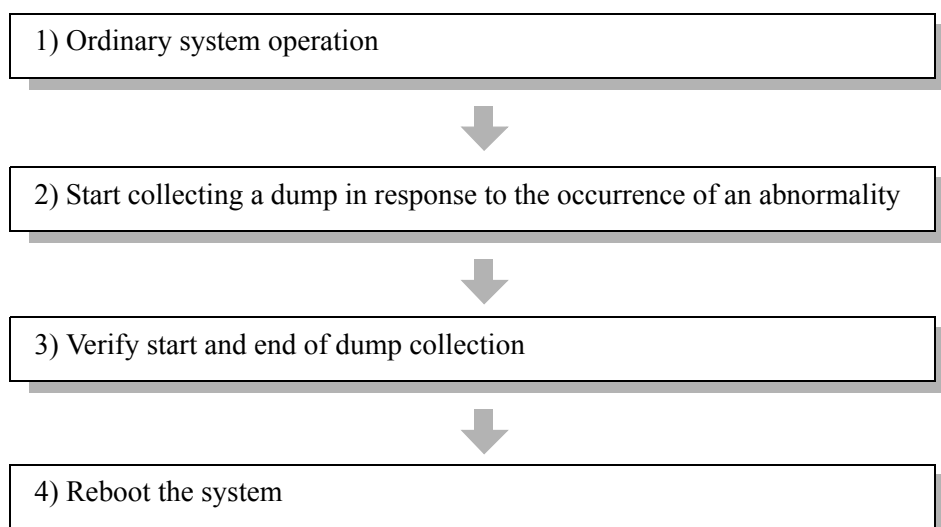
Dump collection timing of diskdump and kdump functions

The dump collection timing of the respective dump functions is as follows:

- **diskdump and kdump function**
 - An abnormality occurs during operation.
 - A panic or oops occurs.
 - [INIT] control is set from the MMB Web UI [Partition] → [Power Control] menu and the [Apply] button is clicked because the system hangs or malfunctions.

1.4.2.2 Dump collection using diskdump or kdump

The dump collection procedure using diskdump or kdump is as follows:



Each step of the procedure is described below.

(1) Ordinary system operation

System operation is proceeding normally.

Remarks: Ordinary operation starts when the diskdump or kdump service is started. When the diskdump service is started while RHEL-AS4 (IPF) is used, the following messages are output. Ignore these messages.

```
PRESERVEDUMP not enabled
SKIPSAVECORE not enabled
SALVAGEMESSAGE enabled
```

(2) Start collecting a dump in response to the occurrence of an abnormality

Regarding dump collection performed in response to the occurrence of an abnormality, the dump collection condition and method are explained for each type of event as follows:

- oops

- 1 The following message is displayed on the console, and diskdump recognizes the oops:

```
Oops: xxxxx (xxxxx is a message showing information on the oops.)
```

- 2 Dump collection starts automatically.

- panic

- 1 The following message is displayed on the console, and diskdump recognizes the panic:

```
Kernel panic: xxxxxxxxxxxx (xxxxxxxxxx is a message showing
information on the panic.)
```

- 2 Dump collection starts automatically.

- System error or system hang

- 1 The system abnormality or system hangup is recognized.
- 2 Set [INIT] control from the MMB Web UI [Partition] → [Power Control] menu, and click the [Apply] button to start dump collection.

In a cluster system that runs PRIMECLUSTER, when an abnormal heartbeat is detected on the monitoring node, dump collection starts automatically.

(3) Verify start and end of dump collection

The following message is displayed on the console to indicate that dump collection has started.

- RHEL-AS4 (IPF)

```
start dumping
```

- RHEL5 (IPF)

```
saving to the local filesystem LABEL=/dump
```

The following message is displayed on the console to indicate that dump collection has been completed.

- RHEL-AS4 (IPF)

```
diskdump: dump succeeded
```

- RHEL5 (IPF)

```
makedumpfile Completed.
```

Note: When the dump has been collected successfully, the message shown in the following example may be output (note that the actual dump file name is not vmcore-incomplete but is vmcore).

```
The dumpfile is saved to /mnt/127.0.0.1-2007-02-14-15:20:37/vmcore-incomplete.
```

(4) Reboot the system

When dump collection is completed, reboot the system. The system may be rebooted either automatically as specified in a kernel parameter or manually, such as by setting [Reset] control from the MMB Web-UI [Partition] → [Power Control] menu and clicking the [Apply] button. When the system is rebooted under control of RHEL-AS4 (IPF), the dump collected to the dump device is automatically saved to the dump saving area. Because the dump device is also initialized automatically, its operation can be resumed without additional processing after the system reboot. Under control of RHEL5 (IPF), the dump is saved to the dump saving area as soon as it is collected, and therefore dump saving is not performed at system reboot.

Remarks: Under control of RHEL-AS4 (IPF), the reboot subsequent to dump collection involves dump saving and dump device initialization. Therefore, the amount of time required to start the system becomes longer than that required in the case of a typical system reboot, by approximately the time required for dump collection.

To enable dump collection even if an error occurs before dump backup after system reboot after dump collection, prepare an area that can store two or more dumps in the dump saving area.

1.4.2.3 Dump backup

Saved dumps need to be moved to another system for debugging. The following methods can be used to move saved dumps to the debug system.

- Using media to move dumps

- Tape unit (DAT, LTO)
- Built-in disk
- External hard disk
- ETERNUS

- Using a network to move dumps

One general method is to back up the dump data to a DAT tape unit and carry the tape to the debug system. If the dump size is so large that the backup time needs to be shortened, copy the dump to a removable disk (built-in disk or external hard disk) and carry the disk to the debug system.

If transport of media is impossible, an alternative method is use of a network.

The procedures and notes for individual dump transport methods are explained below in the order given:

- Backup to a tape
- Backup to a removable disk
- Notes on use of a network for transport

Note: In the case of RHEL5 (IPF), the dump saving area is not mounted during operation. Mount the dump saving area and then back up the dump. After backing up the dump, delete the original dump and unmount the dump saving area. If the original dump is not deleted after backup, the dump for the error that occurs next may not be collected.

Backup to a tape

You can back up a saved dump file in a tape unit by using the method described below. This method uses the `tar` command.

1 Prepare the tape unit.

- a) Display information on the tape unit status.

```
# mt -f /dev/nst0 status
```

- b) Rewind the tape.

```
# mt -f /dev/nst0 rewind
```

- c) Rewind the tape and, if possible, unload the tape.

```
# mt -f /dev/nst0 offline
```

For details, see the `mt` command manual.

2 Save the file.

In the case of RHEL5 (IPF), mount the dump saving area.

```
# mount /dev/sdb2 /var/crash
```

```
# cd /var/crash/127.0.0.1-[date-and-time]
```

127.0.0.1-[date-and-time] denotes the name of the directory containing the target dump file when `diskdump` or `kdump` is used. When `sadump` is used, the directory name is `sadump-[date-and-time]`.

Note: If "UTC = false" is set in `/etc/sysconfig/clock` when `kdump` is used, the displayed date/time is 9 hours added to the date/time of dump collection. Be careful not to mistake it for the date/time of dump collection.

```
# tar cvf /dev/nst0/var/crash/127.0.0.1-[date-and-time]
```

Backup to a removable disk

Copy the dump to a removable disk and unmount the disk to remove it. You will need a disk designated for this transportation.

Notes on use of a network for transport

You can use file transfer or other network facilities to send dumps. When doing this, note the following:

- Dump sizes may be about the sizes of installed memories. When sending a dump across a network, configure the dump file to ensure that it will not cause the load on the network to be excessive. When designing the transfer schedule, keep in mind the fact that the transfer time may be long depending on the size of the memory installed.
- Dumps contain a large amount of customer information, which is not encrypted. Ensure that the network across which dumps are sent provides a secure environment in which information leakage does not occur.

1.4.3 System information collection (Windows)

This section explains how to collect system information on a Windows system.

Confirming the settings of memory dump collection

For details of how to configure memory dump file collection, refer to Section 4.9 of the *PRIMEQUEST 500A/500/400 Series Installation Manual*.

Procedure for forcibly collecting a memory dump

A forced memory dump provides very useful information in case any of the following events occur:

- Freeze of desktop screen
The entire Windows system has been hung up (e.g., frozen desktop screen, disabled mouse and keyboard operations) during system operation.
- Extremely poor response to mouse and keyboard operations
System performance has significantly deteriorated during operation, resulting in very slow response to mouse and keyboard operations.

The procedure for forcibly collecting a memory dump is as follows:

- 1 Log in to the MMB Web-UI.
- 2 Search for the Windows partition in which a failure has occurred.
Select [Partition] → [Power Control] from the menu in the MMB Web-UI window.
- 3 Generate an INIT event.
Select [INIT] from the pull-down menu for the partition and click the [Apply] button.

4 Memory dump collection starts.

The system reboots automatically during dump collection. If the system is not configured to reboot automatically after collecting a dump, reboot it.

Notes:

- The forcible collection of a memory dump stops server operation.
- It may take a long time to complete dump collection depending on the environment.
- If the KVM is connected to a partition with Windows Server 2003 Enterprise Edition installed, the screen display on the KVM may not be normal during memory dump collection.

5 Log in to the partition with Administrator privileges.

6 Execute QSS to collect system information.

An example of the procedure for executing QSS is given below.

This example is based on a system in which the software support guide has been installed in the c:\supportguide directory.

1 Open the Command Prompt.

Select [Run] from the [Start] menu, specify "cmd.exe" for [Name], and then click the [OK] button.

2 Execute the command below on the Command Prompt.

Specify the data output path as "output_path."

```
c:\supportguide\qss\qss_pq.exe <output_path>
```

3 Check the information collected.

(1) Memory dump

For the storage destination of the dump file, see "Memory dump/paging file settings."

(2) QSS information

Check the folder specified at collection.

For details on the usermode process dumper and desktop heap monitor, refer to the appended help information.

1.5 Notes

If all power cables are disconnected from AC outlets when the PRIMEQUEST 420 is in the standby state, the log message "AC Lost (Severity: Info)" is recorded in a system event log. This log message does not indicate an error or failure, but normal operation.

An example of message display is given below.

(Item)	: Severity	Unit	Source	EventID	Description
-----	:	-----	-----	-----	-----
(Display):	Info	PDB#*	PSU#***	*****	Power Supply input lost during chassis power-off

CHAPTER 2 MMB Messages

2.1 Reading Messages

This section describes how to read messages stored on the MMB.

The event log stores events that have occurred in the PRIMEQUEST-series machine.

The log and its list of the events are displayed in the [System Event Log] window of the MMB Web-UI.

2.1.1 System event log

This section describes the [System Event Log] window and its displayed items.

Displaying the system event log in an MMB window

- 1 Select [System] → [System Event Log].

The [System Event Log] window with stored system event log items is displayed.

Note: In Windows Server 2008, the following system event log item is displayed for operating system startup or for dynamic SB addition (Hot-Add) or dynamic SB replacement (Hot-Replace) using the dynamic partitioning (DP) function, but it does not affect operation.

Severity	: Info
Unit/Source/Event ID	: Blank
Description	: Binary character string

Unit containing the sensor that detected the error

Severity level Date and time of occurrence Sensor that detected the error Event ID Message

System	Event Log					Help
Severity	Date/Time	Unit	Source	Event ID	Description	Detail
Info	2005-06-08 11:26:07	SB#6	SB#6	15070000	transition to OK	Detail
Info	2005-06-08 11:26:07	SB#0	SB#0	15070000	transition to OK	Detail
Info	2005-06-08 11:25:58	Partition#0	P#0 System Statu	C06F0100	Power On In Progress	Detail
Info	2005-06-08 11:25:58	SB#1	SB#1	15070000	transition to OK	Detail
Error	2005-06-08 11:21:58	IOU#3	BMM#0-BMC	2807021A	NIC#1 invalid MAC address	Detail
Error	2005-06-08 11:21:58	IOU#3	BMM#0-BMC	28070216	NIC#0 invalid MAC address	Detail
Info	2005-06-08 11:21:56	Partition#15	P#15 System Stat	C06F0000	Power Off	Detail
Info	2005-06-08 11:21:56	Partition#14	P#14 System Stat	C06F0000	Power Off	Detail
Info	2005-06-08 11:21:56	Partition#13	P#13 System Stat	C06F0000	Power Off	Detail
Info	2005-06-08 11:21:56	Partition#12	P#12 System Stat	C06F0000	Power Off	Detail
Info	2005-06-08 11:21:55	Partition#11	P#11 System Stat	C06F0000	Power Off	Detail

Clear All Events Download Filter

Figure 2.1 [System Event Log] window

Table 2.1 Displayed contents of the system event log window

Item	Meaning	Description.
Severity	The severity level of an event or error is displayed.	Error: Serious problem such as a hardware error Warning: An event that is not serious but will possibly develop into a problem Info: Normal event such as partition power-on
Date/Time	The local time at which an event or error occurred is displayed.	Format: yyyy-MM-dd HH:mm:ss
Unit	The name of the unit containing the sensor that detected an event or error is displayed. For example, if an error occurs in CPU A0 in SB0, "SB#0" is displayed.	The corresponding unit information window (from which the part number and serial number of the unit can be acquired) is displayed when the displayed unit name is clicked.
Source	The name of the sensor that detected an event or error is displayed.	The window that shows the sensor status is displayed when the displayed sensor name is clicked.

Table 2.1 Displayed contents of the system event log window

Item	Meaning	Description.
Event ID	An eight-digit hexadecimal number is displayed as the ID for the event contents.	These event IDs are identification codes classified according to the detected location, the cause, and other information. This manual contains event IDs, messages, message descriptions, and corresponding corrective actions.
Description	Event or error contents are displayed.	The part number and serial number of the board are displayed for an event involving board insertion or removal.
Detail	Event or error details are displayed.	The information in the [System Event Log] window is displayed together with the part number, the serial number, and a hexadecimal event code.

Downloading event data

Since the system event log has important information for an investigation, be sure to save this information. The information is essential when you contact the certified Fujitsu service engineer.

- 1 Click the [Download] button.

Note: In Windows Server 2008, the following system event log item is displayed for operating system startup or for dynamic SB addition (Hot-Add) or dynamic SB replacement (Hot-Replace) using the Dynamic Partitioning (DP) function, but it does not affect operation:

Severity : Info
Unit/Source/Event ID : Blank
Description : Binary character

2.2 Message List

This section lists the system event log messages displayed by the MMB Web-UI.

The messages are listed in ascending order of event ID.

The severity level indicates the importance of a message.

- Error: Serious problem, such as a hardware malfunction
- Warning: Event that is not serious but will possibly develop into a problem
- Info: Normal event, such as partition power-on

Error and warning messages are sent using REMCS communication, mail transmission, or SNMP trap transfer. The following messages at the "info" severity level are sent using SNMP trap transfer:

- Event ID messages
- C06F00FF: Power Off
- C06F01FF: Power On In Progress
- C06F02FF: Reset
- C06F05FF: OS Running
- C06F06FF: OS Shutdown
- C06F07FF: Panic
- C06F08FF: Power Off In Progress
- C06F09FF: Check Stop
- C06F0AFF: Dumping
- C06F0BFF: Halt

2.2.1 Messages related to the Temp Sensor

010100FFh Lower Non-critical - going low Assert ###°C threshold:\$\$\$°C

Corrective action: Review the installation environment. Contact your
Fujitsu certified service engineer.

Severity: Warning

010107FFh Upper Non-critical - going high Assert ###°C threshold:\$\$\$°C

Corrective action: If the inlet temperature is abnormal, review the installation environment. If the inlet temperature is normal and the outlet temperature is abnormal, check the cabinet interior and exterior for the cause, such as a clogged filter or paper or other waste that impedes cooling. If the CPUxx temperature is abnormal, the identified CPU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

010109FFh Upper Critical - going high Assert ###°C threshold: \$\$\$°C

Corrective action: If the inlet temperature is abnormal, review the installation environment. If the inlet temperature is normal and the outlet temperature is abnormal, check the cabinet interior and exterior for the cause, such as a clogged filter or paper or other waste that impedes cooling. If the CPUxx temperature is abnormal, the identified CPU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

01010BFFh Upper Non-recoverable - going high Assert ###°C threshold: \$\$\$°C

Corrective action: If the inlet temperature is abnormal, review the installation environment. If the inlet temperature is normal and the output temperature is abnormal, check the cabinet interior and exterior for the cause, such as a clogged filter or paper or other waste that impedes cooling. If the CPUxx temperature is abnormal, the identified CPU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

018100FFh Lower Non-critical - going low Deassert ###°C threshold:\$\$\$°C

Corrective action: Not required.

Severity: Info

018107FFh Upper Non-critical - going high Deassert ###°C threshold:\$\$\$°C

Corrective action: Not required.

Severity: Info

018109FFh Upper Critical - going high Deassert ###°C threshold: \$\$\$°C

Corrective action: Not required.

Severity: Info

01810BFFh Upper Non-recoverable - going high Deassert ###°C threshold: \$\$\$°C

Corrective action: Not required.

Severity: Info

2.2.2 Messages related to the Voltage Sensor

020100FFh Lower Non-critical - going low Assert ###V threshold: \$\$\$V

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

020102FFh Lower Critical - going low Assert ###V threshold: \$\$\$V

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

020104FFh Lower Non-recoverable - going low Assert ###V threshold:\$\$\$V

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

- 020107FFh Upper Non-critical - going high Assert ###V threshold:\$\$\$V**
Corrective action: Contact your Fujitsu certified service engineer.
Severity: Warning
- 020109FFh Upper Critical - going high Assert ###V threshold: \$\$\$V**
Corrective action: Contact your Fujitsu certified service engineer.
Severity: Error
- 020601FFh Performance Lags**
Corrective action: The PPOD needs to be replaced. Contact your Fujitsu certified engineer.
Severity: Error
- 028100FFh Lower Non-critical - going low Deassert ###V threshold:\$\$\$V**
Corrective action: Not required.
Severity: Info
- 028102FFh Lower Critical - going low Deassert ###V threshold: \$\$\$V**
Corrective action: Not required.
Severity: Info
- 028104FFh Lower Non-recoverable - going low Deassert ###Vthreshold: \$\$\$V**
Corrective action: Not required.
Severity: Info
- 028107FFh Upper Non-critical - going high Deassert ###V threshold:\$\$\$V**
Corrective action: Not required.
Severity: Info
- 028109FFh Upper Critical - going high Deassert ###V threshold: \$\$\$V**
Corrective action: Not required.
Severity: Info

2.2.3 Fan-related messages

040102FFh Lower Critical - going low Assert ###rpm threshold: \$\$\$rpm

Corrective action: The fan tray needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

040800FFh Device absent

Corrective action: Not required.

Severity: Info

040801FFh Device present

Corrective action: Not required.

Severity: Info

040B00FFh Fully Redundant

Description: This indicates that the fans are configured redundantly.

Corrective action: None required.

Severity: Info

040B03FFh Non-redundant: Sufficient Resource

Description: This indicates that the fans are no longer configured redundantly.

Corrective action: None required.

Severity: Warning

040B05FFh Non-redundant: Insufficient Resource

Description: This indicates that the fans are no longer configured redundantly and the number of mounted fans is insufficient to continue system operation.

Corrective action: If the original number of fans is insufficient, fans need to be added. If the number of the fans has decreased because a fan has failed, refer to the message about the faulty fan. Then, the faulty fan needs to be replaced. If the problem persists, contact your Fujitsu certified engineer.

Severity: Error

2.2.4 CPU-related messages

076F0000h Uncorrectable Cache error

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

076F0001h Uncorrectable TLB error

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

076F0002h Uncorrectable Bus error

Corrective action: Since the FSB is faulty, the SB needs to be replaced. If the problem persists, the CPU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

076F0003h Uncorrectable Register file error

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

076F0004h Uncorrectable Uarch error

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

076F01FFh Thermal Trip

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

076F0200h PAL Self Test Failed

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

076F0201h PAL Late Self Test Failed

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

076F0202h PAL Call Interrupt Block Address Setting Failed

Corrective action: The CPU needs to be replaced.

Severity: Error

076F0203h PAL Call I/O Block Address Setting Failed

Corrective action: The CPU needs to be replaced.

Severity: Error

076F0204h PAL Call Failed

Corrective action: The CPU needs to be replaced. If the problem persists, replace the SB. If the problem still persists, the SAL firmware needs to be updated. Contact your Fujitsu certified service engineer.

Severity: Error

076F0205h Shadowed PAL Version Compare error

Corrective action: The CPU needs to be replaced. If the problem persists, the SB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

076F0206h Unsupported IVA Interrupt

Corrective action: Locate the fault, using the sequence shown below.
Contact your Fujitsu certified service engineer.

- 1) Replace the CPU.
- 2) Replace the DIMM.
- 3) Replace the SB.
- 4) If a new version of the SAL or FFL firmware has
been released, upgrade the firmware.

Severity: Error

076F0207h Unsupported External Interrupt

Description: An invalid external interrupt has occurred.

Corrective action: Locate the fault, using the sequence shown below.
Contact your Fujitsu certified service engineer.

- 1) Replace the CPU.
- 2) Replace the DB.
- 3) Replace the PCI card.
- 4) Replace the IO Unit.

Severity: Error

076F03FFh FRB2/Hang in POST failure

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

076F04FFh FRB3/Processor Startup/Initialization failure

Corrective action: The CPU needs to be replaced. Contact your Fujitsu
certified engineer.

Severity: Error

076F0500h CPU mismatch

Description: CPUs of mixed types are mounted.

Corrective action: The CPU needs to be replaced with a CPU of the same type as the other mounted CPUs. Contact your Fujitsu certified engineer.

Severity: Error

076F0501h Unsupported CPU

Description: An unsupported CPU is mounted.

Corrective action: The CPU needs to be replaced with an appropriate one. Contact your Fujitsu certified service engineer.

Severity: Error

076F0502h Installed position condition error

Description: The CPU mounting conditions are not satisfied.

Corrective action: The CPU must be mounted at the far end of the FSB. This error occurs if the CPU is not mounted at the far end of the FSB but is mounted at the near end of the FSB. To solve this error, remount the CPU at the far end of the FSB.

Severity: Error

076F08FFh Processor disabled

Corrective action: Not required.

Severity: Info

076F0AFFh Processor Automatically Throttled

Corrective action: Not required.

Severity: Info

076F0EFFh Correctable error logging limit reached

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

2.2.5 PSU-related or DDC-related messages

080B00FFh Fully Redundant

Description: This indicates that the DDCs are configured redundantly.

Corrective action: None required.

Severity: Info

080B03FFh Non-redundant: Sufficient Resource

Description: This indicates that the DDCs are no longer configured redundantly.

Corrective action: If the original number of DDCs is insufficient, DDCs need to be added. If the number of DDCs is decreased because a DDC has failed, the faulty DDC needs to be replaced. Check whether the number of mounted DDCs is sufficient for the system configuration. If the problem persists, contact your Fujitsu certified engineer.

Severity: Warning

080B05FFh Non-redundant: Insufficient Resource

Description: This indicates that the DDCs are no longer configured redundantly and the number of mounted DDCs is insufficient to continue system operation.

Corrective action: If the original number of DDCs is insufficient, DDCs need to be added. If the number of DDCs is decreased because a DDC has failed, the faulty DDC needs to be replaced. Check whether the number of mounted DDCs is sufficient for the system configuration. If the problem persists, contact your Fujitsu certified engineer.

Severity: Error

086F00FFh Present

Corrective action: Not required.

Severity: Info

08EF00FFh Removed

Corrective action: Not required.

Severity: Info

086F01FFh Power Supply Failure detected

Corrective action: The PSU or IO_PSU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

086F02FFh Predictive Failure

Corrective action: The PSU or IO_PSU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

086F0300h Power Supply input lost in system power-off state

Corrective action: Not required.

Severity: Info

086F03FFh Power Supply input lost

Corrective action: Check the input power to the PSU and IO_PSU. Contact your Fujitsu certified service engineer.

Severity: Error

086F0601h Configuration error

Description: An unsupported DDC or a combination of different types of DDC is mounted.

Corrective action: Every inappropriate DDC needs to be replaced with an appropriate DDC. Contact your Fujitsu certified service engineer.

Severity: Error

08EF00FFh Removed

Corrective action: Not required

Severity: Error

08EF03FFh Power Supply input is restored

Corrective action: Not required.

Severity: Info

090B00FFh Fully Redundant

Description: This indicates that the PSUs are configured redundantly.

Corrective action: None required.

Severity: Info

090B0300h Non-redundant: Sufficient Resource in system power-off state

Corrective action: Not required.

Severity: Info

090B03FFh Non-redundant: Sufficient Resource

Description: This indicates that the PSUs are no longer configured redundantly.

Corrective action: None required.

Severity: Warning

090B0500h Non-redundant: Insufficient Resource in system power-off state

Corrective action: Not required.

Severity: Info

090B05FFh Non-redundant: Insufficient Resource

Description: This indicates that the number of the mounted PSUs is insufficient to continue system operation.

Corrective action: PSUs need to be added. If the number of PSUs is decreased because a PSU has failed, the faulty PSU needs to be replaced. Check whether the number of mounted PSUs is sufficient for the system configuration. If the problem persists, contact your Fujitsu certified engineer.

Severity: Error

2.2.6 DIMM-related messages

0C6F0100h Uncorrectable ECC error

Corrective action: The target DIMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

0C6F0101h DIMM Driver Calibration error

Corrective action: The target DIMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

0C6F0102h LDX Driver Calibration error

Corrective action: Replace the target DIMM.

If the problem persists, LDX may be faulty and the SB on which the DIMM is mounted needs to be replaced.

Severity: Error

0C6F04FFh Memory Device Disabled

Corrective action: Not required.

Severity: Info

0C6F0500h Correctable error logging limit reached

Corrective action: The target DIMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

0C6F0501h Fixed Correctable error

Corrective action: The target DIMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

0C6F0700h SPD checksum error

Corrective action: The target DIMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

0C6F0701h Unsupported DIMM

Corrective action: Replace the target DIMM with a supported DIMM.

Severity: Error

0C6F0702h Installing position condition error

Corrective action: The DIMM must be mounted at the correct location.
 Contact your Fujitsu certified engineer.

Severity: Error

0C6F0703h DIMM mismatch in way

Description: The four DIMMs in a set are not of the same type.

Corrective action: The four DIMMs mounted as a set must be of the same
 type. Contact your Fujitsu certified engineer.

Severity: Error

0C6F0704h DIMM mismatch in channel

Description: The DIMMs mounted in one channel are not of the
 same type.

Corrective action: The DIMMs mounted in the channel must be of the
 same type. Contact your Fujitsu certified engineer.

Severity: Error

0C6F0E00h DIMM speed mismatch

Description: DIMMs on an SB do not have the same speed.

Corrective action: DIMMs with the same speed need to be mounted.
 Contact your Fujitsu certified engineer.

Severity: Warning

0C6F0E01h Interleave between SB(s) condition error

Description: Conditions for interleaving between SBs are not
 satisfied.

Corrective action: DIMMs must be mounted in a way that satisfies the
 conditions. Contact your Fujitsu certified engineer.

Severity: Warning

2.2.7 POST errors

0F6F007Eh System Firmware Error

Description: A firmware error occurred.

Corrective action: Collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F0081h SAL Handoff Invalid Parameter

Description: A firmware error occurred.

Corrective action: Collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F0082h No Timer Interrupt

Description: A firmware error occurred.

Corrective action: Collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F0084h SAL Procedure error

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

0F6F0085h PCI Diagnosis error

Description: An "on-board PCI device" or "PCI card" diagnostic error occurred.

Corrective action: The device indicated in the error message output to the EFI console must be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

0F6F009Ah SCSI Disk read error

Corrective action: Replace the HDD specified as the boot device. If the problem persists, replace the SCSI device that controls the HDD. (If an on-board SCSI device is used, replace the IO Unit containing the on-board SCSI device.) If the problem still persists, update the SCSI EFI driver to the latest version. If the problem still persists, collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F009Bh FC Disk read error

Corrective action: Verify the operation of the device connected to the FC card. If the problem persists, replace the FC card. If the problem still persists, update the FC card EFI driver to the latest version. If the problem still persists, collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F009Ch USB Disk read error

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

0F6F009Dh USB-DVD read error

Corrective action: Check the suitability of the media used. If it is suitable, replace the built-in DVD drive. If the problem persists, the KVM must be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

0F6F00A0h EBC Interpreter stack error

Description: The EFI or the EFI driver is faulty.

Corrective action: A PCI card in the system may have an EFI driver of a different version installed. Check the versions on the PCI cards.

Severity: Warning

0F6F00A1h Option Driver load error

Corrective action: Check the boot device such as an HDD or RAID device. If it is faulty, replace it.
Alternatively, confirm that the settings of [Boot Option] of EFI Boot Manager are correct. If the problem persists, collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F00A2h OS Loader load error

Corrective action: Check the boot device such as an HDD or RAID device. If it is faulty, replace it.
Alternatively, confirm that the settings of [Boot Option] of EFI Boot Manager are correct. If the problem persists, collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F00A3h EFI Internal error 1

Description: EFI is probably not functioning normally.

Corrective action: Collect a system event log, and contact your Fujitsu certified service engineer.

Severity: Warning

0F6F00A4h I/O Device probe error

Corrective action: Determine the faulty device from the error message output to the EFI console, and replace the device.

Severity: Warning

0F6F0100h Invalid SALE_ENTRY Function

Corrective action: The CPU needs to be replaced. If the problem persists, replace the SB. Contact your Fujitsu certified engineer.

Severity: Error

0F6F0101h Invalid GR32

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

0F6F0102h Invalid SAL_B Size

Description: Firmware may be damaged.

Corrective action: The firmware needs to be updated. If the problem persists, replace the SB. Contact your Fujitsu certified service engineer.

Severity: Error

0F6F0103h Allocation Failed

Description: Firmware may be damaged.

Corrective action: The firmware needs to be updated. If the problem persists, replace the SB. Contact your Fujitsu certified service engineer.

Severity: Error

0F6F0104h Invalid Procedure Address

Description: Firmware may be damaged.

Corrective action: The firmware needs to be updated. If the problem persists, replace the SB. Contact your Fujitsu certified service engineer.

Severity: Error

0F6F0105h TLB Fault Address Not Found

Description: Firmware may be damaged.

Corrective action: The firmware needs to be updated. If the problem persists, replace the SB. Contact your Fujitsu certified service engineer.

Severity: Error

0F6F010Bh NVRAM Area Not Found

Description: EFI firmware may be damaged.

Corrective action: The EFI firmware needs to be updated. If the problem persists, replace the BMM. Contact your Fujitsu certified service engineer.

Severity: Error

0F6F010Ch Invalid OS_INIT handler

Description: The OS has not registered the OS_INIT handler.

Corrective action: Check whether the OS is correct.

Severity: Error

0F6F010Dh Invalid OS_MCA handler

Description: The OS has not registered the OS_MCA handler.

Corrective action: Check whether the OS is correct.

Severity: Error

0F6F010Eh PAL_MC_RESUME failed

Corrective action: The CPU needs to be replaced. If system recovery fails, replace the SB. Contact your Fujitsu certified service engineer.

Severity: Error

0F6F0110h MMB Command Failed

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

0F6F017Eh System Firmware Hang

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

0F6F0181h EFI Internal error 2

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

2.2.8 MMB-related messages

150700FFh Transition to OK

Corrective action: Not required.

Severity: Info

150701FFh Transition to Non-critical from OK

Corrective action: The relevant unit must be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

150702FFh Transition to Critical from less severe

Corrective action: The relevant unit must be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

150703FFh Transition to Non-recoverable from less severe

Corrective action: The relevant unit must be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

15070103h Chassis Information access failure

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

15070107h MMB Communication Lost (LAN)

Corrective action: One of the MMBs needs to be replaced. If the problem persists, the other MMB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

15070108h MMB Communication Lost (COM)

Corrective action: One of the MMBs needs to be replaced. If the problem persists, the other MMB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

1507010Bh Configuration Data Error

Corrective action: One of the MMBs needs to be replaced. If the problem persists, the other MMB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

15070119h MMB Watchdog Timer expired

Corrective action: One of the MMBs needs to be replaced. If the problem persists, the other MMB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

1507011Ah Heartbeat Lost

Corrective action: One of the MMBs needs to be replaced. If the problem persists, the other MMB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

15070175h Correctable error logging limit reached

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

15070202h CPLD access failure

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070204h EEPROM access failure

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070209h Firmware error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507020Ah Chassis Information mismatch

Corrective action: The MMB needs to be replaced. If the problem persists, replace the operator panel. Contact your Fujitsu certified service engineer.

Severity: Error

15070261h HUB failure

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070271h Uncorrectable error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070289h Diag: HUB SPI Timeout

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507028Ah Diag: IIC LSADR error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507028Bh Diag: NIC Loopback error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507028Ch Diag: IIC I2CADR error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507028Dh Diag: NVRAM error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070293h Diag: RTC Time Operation error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070296h Diag: Backup Flash Memory Checksum error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070299h Diag: HUB Register error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507029Ah Diag: UART Loopback error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507029Bh Diag: NIC Loopback Timeout

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702AAh Diag: UART Timeout

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702ABh Diag: NIC Device Not Found

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702BAh Diag: EMAC0 Internal Loopback Error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702BBh Diag: NIC EEPROM Error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702CAh Diag: EMAC0 Internal Loopback Timeout

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702DAh Diag: EMAC0 External Loopback Error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702EAh Diag: EMAC0 External Loopback Timeout

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150702FAh Diag: EMAC0 Reset Timeout

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070380h Diag: General Purpose Register error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070381h Diag: Instruction Cache error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070383h Diag: RTC Time error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070384h Diag: SRAM error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070385h Diag: System EEPROM Checksum error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070386h Diag: Boot Flash Memory Checksum error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070387h Diag: CPLD Version Register error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070388h Diag: NAND Flash Memory Maker Code error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507038Fh Diag: Boot Flash Memory Data error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070390h Diag: Special Purpose Register error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070391h Diag: Data Cache error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070392h Diag: SDRAM Uncorrectable error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070395h Diag: System EEPROM Read error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070397h Diag: CPLD Info Register error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

15070398h Diag: NAND Flash Memory DeviceID error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

1507039Fh Diag: SDRAM Memory error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150703A0h Diag: System Timer Operation error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150703A2h Diag: Correctable error logging limit reached

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

150703B0h Diag: Interrupt error

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

2.2.9 PCI_Box-related messages

180800FFh Device absent

Corrective action: Not required.

Severity: Info

180801FFh Device present

Corrective action: Not required.

Severity: Info

2.2.10 PCIU/PEXU-related messages

1B6F00FFh Cable is connected

Corrective action: Not required.

Severity: Info

1BEF00FFh Cable is not connected

Corrective action: Not required.

Severity: Info

216F00FFh Fault

Corrective action: The PCI card needs to be replaced. If system recovery fails, the IO Unit or PCIU/PEXU of the PCI_Box in which the PCI card is mounted needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

2.2.11 Watchdog-related messages

236F0XYZh Z Watchdog Timer expired. Action=X, Interrupt= Y

Description:	<p>X: 0= no action, 1= Hard Reset, 2= Power Down, 3= Power Cycle, 8=Timer Interrupt</p> <p>Y: 0= none, 2= INIT</p> <p>Z: 0= FRB3, 1= FRB2, 2= POST, 3= OS Load, 4= SMS/OS, 5=Misc.</p>
Corrective action:	<p>If Z=1, the CPU needs to be replaced. Alternatively, FWH may be faulty and the SB needs to be replaced. Contact your Fujitsu certified service engineer.</p> <p>If Z=2, a system hang occurred during POST.</p> <p>If Z=3, the partition may have been started while Boot Watchdog was active, such as by booting from a CD-ROM disk or startup in single-user mode for maintenance purposes. Alternatively, a backup or restore operation may have been performed with SystemcastWizard. For details on making the appropriate settings and preventing Watchdog Timer expiration, see Section 5.3.9.3, "ASR Control Window" and Section 7.15.1, "Watchdog Window," in the <i>PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands</i> (C122-E003EN). However, if this event occurred when the partition started normally, the OS Loader is not functioning normally. In this case, check the Boot Disk and Boot Device settings.</p> <p>If Z=4 or 5, the OS is not functioning normally. Check the HDD or other device on which the OS is installed. If no hardware is faulty, the OS may be damaged. Fix or reinstall the OS.</p> <p>If the problem persists, contact your Fujitsu certified service engineer.</p>
Severity:	Error

2.2.12 IO Unit-related messages

28070117h NIC#0 link fail

Corrective action: The BMM needs to be replaced. If the problem persists, replace the MMB. Contact your Fujitsu certified service engineer.

Severity: Warning

2807011Bh NIC#1 link fail

Corrective action: The BMM needs to be replaced. If the problem persists, replace the MMB. Contact your Fujitsu certified service engineer.

Severity: Warning

28070180h Unexpected software condition

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

28070190h Communication Timeout

Corrective action: The MMB needs to be replaced. If the problem persists, replace the active BMM. Contact your Fujitsu certified service engineer.

Severity: Warning

28070216h NIC#0 invalid MAC address

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070217h NIC#0 link down

Corrective action: The BMM needs to be replaced. If the problem persists, replace the MMB. Contact your Fujitsu certified service engineer.

Severity: Error

2807021Ah NIC#1 invalid MAC address

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

2807021Bh NIC#1 link down

Corrective action: The BMM needs to be replaced. If the problem persists, replace the MMB. Contact your Fujitsu certified service engineer.

Severity: Error

28070280h Unexpected software condition

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070310h Flash memory failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070311h SRAM failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070314h NIC#0 device failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070315h NIC#0 interrupt line failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070318h NIC#1 device failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070319h NIC#1 interrupt line failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070320h GPIO module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070321h GPIO output signal stuck

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070322h I2C#0 module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070323h I2C#1 module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070324h UART module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070325h KCS0 module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070326h KCS1 module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070327h FSI module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070328h USI module failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070330h EEPROM access failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070331h EEPROM verification error

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070332h I/O port access failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070333h I/O port verification error

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070334h I/O port output signal stuck

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070335h Clock access failure

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070336h Clock verification error

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070371h Undefined Instruction

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070372h Software Interrupt

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070373h Prefetch Abort

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070374h Data Abort

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070375h Address Exception

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070377h FIQ

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

2807037Ah Cause-less reboot

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

28070390h Communication error

Corrective action: The BMM needs to be replaced. If the problem persists, replace the active MMB. Contact your Fujitsu certified service engineer.

Severity: Error

28070412h Flash memory failure at previous boot time

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

28070413h SRAM failure at previous boot time

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

28070470h Hardware Reset

Corrective action: The BMM needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

28070878h Cold Reset command

Corrective action: Not required.

Severity: Info

28070879h Firmware update

Corrective action: Not required.

Severity: Info

286F04FFh Sensor failure

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
For CPU# [A0-B1] Temp, replace the relevant CPU.
For IOU#n Inlet Temp, replace IOU#n.
For XDI#n Outlet Temp#n, replace XDI#n.
For PCI Box#n Inlet Temp, replace the relevant PCI Box PCBB.
For PCI Box#n Outlet Temp# [0-3], replace the relevant PCI Box PCIU/PEXU# [0-3].

PRIMEQUEST 520A/520/420
For CPU# [A0-B1] Temp, replace the relevant CPU.
For System Inlet Temp, replace the OPL.
For PCI Box Inlet Temp, replace the relevant PCI Box PCBB.
For PCI Box Outlet Temp# [0-3], replace the relevant PCI Box PCIU# [0-3].

Severity: Error

2.2.13 FRU messages**2C6F00FFh FRU Not Installed**

Corrective action: Not required.

Severity: Info

2CEF00FFh FRU Installed

Corrective action: Not required.

Severity: Info

2C6F01FFhFRU Inactive

Corrective action: Not required.

Severity: Info

2C6F02FFh FRU Activation Requested

Corrective action: Not required.

Severity: Info

2C6F03FFh FRU Activation In Progress

Corrective action: Not required.

Severity: Info

2C6F04FFh FRU Active

Corrective action: Not required.

Severity: Info

2C6F05FFh FRU Deactivation Requested

Corrective action: Not required.

Severity: Info

2C6F06FFh FRU Deactivation In Progress

Corrective action: Not required.

Severity: Info

2C6F07FFh FRU Communication Lost

Corrective action: The appropriate board needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

2.2.13.1 SYSTEM Status Sensor-related messages

C06F00FFh Power Off

Corrective action: Not required

Severity: Info

C06F01FFh Power On In Progress

Corrective action: Not required

Severity: Info

C06F02FFh Reset

Corrective action: Not required

Severity: Info

C06F03FFh POST

Corrective action: Not required

Severity: Info

C06F04FFh Boot

Corrective action: Not required

Severity: Info

C06F05FFh OS Running

Corrective action: Not required

Severity: Info

C06F06FFh OS Shutdown

Corrective action: Not required

Severity: Info

C06F07FFh Panic

Corrective action: Not required

Severity: Info

C06F08FFh Power Off In Progress

Corrective action: Not required

Severity: Info

C06F09FFh Check Stop

Corrective action: Not required

Severity: Info

C06F0AFFh Dumping

Corrective action: Not required

Severity: Info

C06F0BFFh Halt

Corrective action: Not required

Severity: Info

2.2.14 MMB firmware-related messages**C5A103FFh MMB Firmware Update Failed**

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C5A104FFh Switch Over Failed

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

2.2.15 CPCB-related messages**C66F00FFh AC Lost**

Description: No AC power is not supplied.

Corrective action: Check the AC power supply. If this message is displayed even when AC power is supplied, the UPS needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C66F01FFh Battery Lost

Corrective action: The battery of the UPS needs to be charged. Contact your Fujitsu certified engineer.

Severity: Error

C66F02FFh UPS Failure

Corrective action: The UPS needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C70B01FFh Redundancy Lost

Description: Clock redundancy has been lost.

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
This message is displayed for the CPCB Clock#[0:1] event. No corrective action is required for this event.

PRIMEQUEST 520A/520/420
This message is displayed for the PDB Clock#[0:1] event. No corrective action is required for this event.

Severity: Warning

C76F01FFh Failed

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The CPCB needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The PDB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

2.2.16 Chipset-related messages

C8A1xxxx

C8A1000Xh GAC port#<n> [Inbound | Outbound] Uncorrectable error

Description: Bit definition of X
 [3]: 0b= Inbound, 1b= Outbound
 [2:0]: <n> port number (0 to 1)

Corrective action: The SB needs to be replaced. If system recovery fails, the XAI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1001Xh LDX port#<n> [Inbound | Outbound] Uncorrectable error

Description: Bit definition of X
 [3]: 0b= Inbound, 1b= Outbound"
 [2:0]: <n> port number (0 to 3)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1002Xh FLN Internal [A | B] Uncorrectable error

Description: X: 0h=A, 8h=B, others are Reserved

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10080h FLN PCI Configuration Register Check Failed

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10090h FLN MMIO Register Check Failed

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A100A0h DTAG Diagnosis error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A100B0h FSB-A Uncorrectable error

Corrective action: The SB needs to be replaced. If the problem persists, the CPU mounted on the FSB-A side needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A100B1h FSB-B Uncorrectable error

Corrective action: The SB needs to be replaced. If the problem persists, the CPU mounted on the FSB-B side needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1010Xh GDX port [Inbound | Outbound] Uncorrectable error

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. If system recovery fails, the XDI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1011Xh LDX port [Inbound | Outbound] Uncorrectable error

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1012Xh FLN port [Inbound | Outbound] Uncorrectable error

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10130h LDX Internal Uncorrectable error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1014Xh LDX Internal [AB | CD] Uncorrectable error

Description: X: 0h= AB, 8h= CD

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1015Xh DIMM Channel [A-D] Write Uncorrectable error

Description: X: 0h= A, 1h= B, 2h= C, 3h= D

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10160h LDX Configuration Register Uncorrectable error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10180h LDX PCI Configuration Register Check Failed

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10190h LDX Channel Driver Calibration error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A101A0h LDX DIMM Initialization Command error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A101B0h LDX SPD Access error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1020Xh GAC port#<n> [Inbound | Outbound] Uncorrectable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 1)

Corrective action: The IO Unit needs to be replaced. If system recovery fails, the XAI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1021Xh GDX port#<n> [Inbound | Outbound] Uncorrectable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 3)

Corrective action: The IO Unit needs to be replaced. If system recovery fails, the XDI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1022Xh FLI Internal [A | B] Address Uncorrectable error

Description: X: 0h= A, 8h= B

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1023Xh FLI Internal [A | B] Data Uncorrectable error

Description: X: 0h= A, 8h= B

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1024Xh FLI Internal [A | B] Uncorrectable error

Description: X: 0h= A, 8h= B

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10280h Configuration Register Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1030Xh PXB [A0-D1 | ESI] Internal Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1031Xh PXB [A0-D1 | ESI] FLP port Inbound Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1033Xh PXB [A0-D1 | ESI] FLI port Inbound Uncorrectable

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1034Xh PXB [A0-D1 | ESI] FLI port Outbound Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1035Xh PXB [A0-D1 | ESI] FLP Internal Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1036Xh PXB [A0-D1 | ESI] Internal RAM Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1037Xh PXB [A0-D1 | ESI] Retry Limit Over

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1040Xh Replay Timer Timeout

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1041Xh REPLAY_NUM Rollover

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1042Xh Bad DLLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1043Xh Bad TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1044Xh Receiver error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1045Xh Unsupported Request error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1046Xh ECRC error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1047Xh Malformed TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1048Xh Receiver Overflow

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1049Xh Unexpected Completion

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A104AXh Completer Abort

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A104BXh Completion Timeout

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A104CXh Flow Control Protocol error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A104DXh Poisoned TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A104Exh Data Link Protocol error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A104FXh Training error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A1054Xh PXB [A0-D1 | ESI] FLI port Outbound Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1055Xh PXB [A0-D1 | ESI] FLP Internal Uncorrectable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1060Xh FLI port#<n> [Inbound | Outbound] Uncorrectable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. If system recovery fails, the IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. If system recovery fails, the IO Unit or IOX needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1061Xh FLN port#<n> [Inbound | Outbound] Uncorrectable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A1062Xh Internal FLI port#<n> [A | B] Uncorrectable error

Description: Bit definition of X
[3]: 0b= A, 1b= B
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10800h PCI Configuration Register Check Failed

Corrective action: The relevant IO Unit or PCIU/PEXU in a PCI_Box needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A10801h Memory Mapped Register Check Failed

Corrective action: The relevant IO Unit or PCIU/PEXU in a PCI_Box needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A10900h PCI Configuration Register Check Failed

Corrective action: The relevant BMM needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A10901h Memory Mapped Register Check Failed

Corrective action: The relevant BMM needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A10902h Invalid RTC Value

Corrective action: The relevant BMM needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A10903h RTC Failed

Corrective action: The relevant BMM needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A10904h Message Response Timeout

Corrective action: The MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10A00h SALE_ENTRY_Status error

Description: Firmware is damaged in the FWH.

Corrective action: The firmware needs to be updated. If firmware update fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A10A01h FIT Entry Not Found

Description: Firmware is damaged in the FWH.

Corrective action: The firmware needs to be updated. If firmware update fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10A02h FIT Entry Checksum error

Description: Firmware is damaged in the FWH.

Corrective action: The firmware needs to be updated. If firmware update fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10A03h PAL_B Incompatible

Corrective action: The firmware version does not match the CPU version.

Description: The firmware needs to be updated so that the firmware version matches the version of the mounted CPU.
Alternatively, the CPU needs to be replaced so that the CPU version matches the current firmware version.
Contact your Fujitsu certified service engineer.

Severity: Error

C8A10A04h Invalid SAL_B Address

Description: Firmware may be damaged in the FWH.

Corrective action: The firmware needs to be updated. If firmware update fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10A05h Compressed SAL_B Decompress Failed

Description: Firmware may be damaged in the FWH.

Corrective action: The firmware needs to be updated. If firmware update fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10A06h EFI Decompress Failed

Description: Firmware may be damaged in the FWH.

Corrective action: The firmware needs to be updated. If firmware update fails, the MMB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A10A10h FWH Program uncorrectable error

Corrective action: The relevant SB or BMM needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A10B00h PCI Configuration Register Check Failed

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B01h Memory Mapped Register Check Failed

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B02h PCI PERR

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B03h PCI SERR

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B04h Delayed Transaction Timer Expired

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B05h Uncorrectable Address Error Detected

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B06h Uncorrectable Attribute Error Detected

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B07h Uncorrectable Data Error Detected

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B08h Uncorrectable Split Completion Message Data Error

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B09h Unexpected Split Completion Error

Corrective action: If the fault is in an onboard device, the IO Unit needs to be replaced. If it is in a BMM device, the BMM needs to be replaced. If it is in a PCI slot card, the PCI card needs to be replaced. Before the IO Unit or BMM is replaced, contact your Fujitsu certified service engineer.

Severity: Error

C8A10B0Ah Master Abort

Corrective action: If a Master Abort log is collected for only one card or an onboard device, the relevant card must be replaced.
In the case for an onboard device, the IO Unit or BMM containing the device needs to be replaced.
Contact your Fujitsu certified service engineer.

Severity: Error

C8A10B0Bh Received Target Abort Status

Corrective action: If a Master Abort log is collected for only one card or an onboard device, the relevant card must be replaced.
In the case for an onboard device, the IO Unit or BMM containing the device needs to be replaced.
Contact your Fujitsu certified service engineer.

Severity: Error

C8A10B0Ch Master Abort on Split Completion Status

Corrective action: If a Master Abort log is collected for only one card or an onboard device, the relevant card must be replaced.
In the case for an onboard device, the IO Unit or BMM containing the device needs to be replaced.
Contact your Fujitsu certified service engineer.

Severity: Error

C8A10B0Dh Target Abort on Split Completion Status

Corrective action: If a Master Abort log is collected for only one card or an onboard device, the relevant card must be replaced.
In the case for an onboard device, the IO Unit or BMM containing the device needs to be replaced.
Contact your Fujitsu certified service engineer.

Severity: Error

C8A10F00h Undetermined hardware uncorrectable error

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

C8A2xxxx**C8A20030h Multi Hit error**

Description: Firmware bug or damage to registry settings by the operating system or an application

Corrective action: If an update for the firmware is available, the firmware needs to be updated. If no update is available for the firmware, data destruction by the operating system is presumed. Contact your Fujitsu certified engineer.

Severity: Error

C8A200B0h FSB-A Fatal error

Corrective action: The SB needs to be replaced. If the problem persists, the CPU mounted on the FSB-A side needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A200B1h FSB-B Fatal error

Corrective action: The SB needs to be replaced. If the problem persists, the CPU mounted on the FSB-B side needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2024Xh FLI Internal [A | B] Fatal error

Description: X: 0h= A, 8h= B

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A2040Xh Replay Timer Timeout

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2041Xh REPLAY_NUM Rollover

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2042Xh Bad DLLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2043Xh Bad TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2044Xh Receiver error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2045Xh Unsupported Request error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2046Xh ECRC error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2047Xh Malformed TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2048Xh Receiver Overflow

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A2049Xh Unexpected Completion

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A204AXh Completer Abort

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A204BXh Completion Timeout

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A204CXh Flow Control Protocol error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A204DXh Poisoned TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A204Exh Data Link Protocol error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A204FXh Training error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A20F00h Undetermined hardware fatal error

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

C8A3xxxx**C8A3002Xh FLN Internal [A | B] Check Stop 1**

Description: X: 0h=A, 8h=B, others are Reserved

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A3004Xh Address Protocol error [A | B]

Description: X: 0h=A, 8h=B, others are Reserved

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

C8A300B0h FSB-A CS1

Corrective action: The SB needs to be replaced. If the problem persists, the CPU mounted on the FSB-A side needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A300B1h FSB-B CS1

Corrective action: The SB needs to be replaced. If the problem persists, the CPU mounted on the FSB-B side needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C8A3024Xh FLI Internal [A | B] Check Stop 1

Description: X: 0h= A, 8h= B

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A3030Xh PXB [A0-D1 | ESI] FLI Internal Check Stop 1

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A3038Xh PXB [A0-D1 | ESI] Interface Bus error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A3039Xh PXB [A0-D1 | ESI] GAC Protocol error

Corrective action: The IO Unit needs to be replaced. If system recovery fails, the XAI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A303AXh PXB [A0-D1 | ESI] GDX Protocol error

Corrective action: The IO Unit needs to be replaced. If system recovery fails, the XAI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A303BXh PXB [A0-D1 | ESI] Timeout error

Corrective action: The IO Unit needs to be replaced. If system recovery fails, the XAI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A3060Xh FLI port#<n> Inbound Check Stop 1

Description: Bit definition of X
[3]: 0b= Inbound
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. If system recovery fails, the IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420

The BP needs to be replaced. If system recovery fails, the IO Unit or IOX needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A3062Xh Internal FLI port#<n> [A | B] Check Stop 1

Description: Bit definition of X
[3]: 0b= A, 1b= B
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420

The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A30F00h Undetermined hardware Check Stop 1

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

C8A4xxxx**C8A4000Xh GAC port#<n> [Inbound | Outbound] Check Stop 2**

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 1)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4001Xh LDX port#<n> [Inbound | Outbound] Check Stop 2

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 3)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4002Xh FLN Internal [A | B] Check Stop 2

Description: X: 0h=A, 8h=B, others are Reserved

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A40050h Timeout

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

C8A400A0h Both Side Broken Mirror

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

C8A4010Xh GDX port [Inbound | Outbound] Check Stop 2

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The SB needs to be replaced. If system recovery fails, the XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420

The SB needs to be replaced. If system recovery fails, the BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4011Xh LDX port [Inbound | Outbound] Check Stop 2

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4012Xh FLN port [Inbound | Outbound] Check Stop 2

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4014Xh LDX Internal [AB | CD] Check Stop 2

Description: X: 0h= AB, 8h= CD

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4017Xh DIMM Channel [A-D] Check Stop 2

Description: X: 0h= A, 1h= B, 2h= C, 3h= D

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4020Xh GAC port#<n> [Inbound | Outbound] Check Stop 2

Description:	Bit definition of X [3]: 0b= Inbound, 1b= Outbound [2:0]: <n> port number (0 to 1)
Corrective action:	PRIMEQUEST 580A/540A/580/540/480/440 The IO Unit needs to be replaced. If system recovery fails, the XAI needs to be replaced. Contact your Fujitsu certified engineer. PRIMEQUEST 520A/520/420 The IO Unit or IOX needs to be replaced. If system recovery fails, the BP needs to be replaced. Contact your Fujitsu certified engineer.
Severity:	Error

C8A4021Xh GDX port#<n> [Inbound | Outbound] Check Stop 2

Description:	Bit definition of X [3]: 0b= Inbound, 1b= Outbound [2:0]: <n> port number (0 to 3)
Corrective action:	PRIMEQUEST 580A/540A/580/540/480/440 The IO Unit needs to be replaced. If system recovery fails, the XDI needs to be replaced. Contact your Fujitsu certified engineer. PRIMEQUEST 520A/520/420 The IO Unit or IOX needs to be replaced. If system recovery fails, the BP needs to be replaced. Contact your Fujitsu certified engineer.
Severity:	Error

C8A4024Xh FLI Internal [A | B] Check Stop 2

Description:	X: 0h= A, 8h= B
Corrective action:	The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.
Severity:	Error

C8A4030Xh PXB [A0-D1 | ESI] FLI Internal Check Stop 2

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4060Xh FLI port#<n> Inbound Check Stop 2

Description: Bit definition of X
[3]: 0b= Inbound
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. If system recovery fails, the IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. If system recovery fails, the IO Unit or IOX needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4061Xh FLN port#<n> Inbound Check Stop 2

Description: Bit definition of X
[3]: 0b= Inbound
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4062Xh Internal FLI port#<n> [A | B] Check Stop 2

Description: Bit definition of X
[3]: 0b= A, 1b= B
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4063Xh Internal FLN port#<n> Check Stop 2

Description: Bit definition of X
[3]: Reserved(0)
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4070Xh LDX port#<n> [Inbound | Outbound] Check Stop 2

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified service engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4071Xh FLI port#<n> [Inbound | Outbound] Check Stop 2

Description: Bit definition of X
 [3]: 0b= Inbound, 1b= Outbound
 [2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XDI needs to be replaced. If system recovery fails, the IO Unit needs to be replaced. Contact your Fujitsu certified service engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. If system recovery fails, the IO Unit or IOX needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4072Xh GDX port#<n> [Inbound | Outbound] Check Stop 2

Description: Bit definition of X
 [3]: 0b= Inbound, 1b= Outbound
 [2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XDI needs to be replaced. If system recovery fails, another XDI needs to be replaced. Collect system event logs, and contact your Fujitsu certified service engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. If system recovery fails, the XDI needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4073Xh Internal LDX port#<n> Check Stop 2

Description: Bit definition of X
 [3]: Reserved (0)
 [2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4074Xh Internal FLI port#<n> Check Stop 2

Description: Bit definition of X
[3]: Reserved (0)
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A4075Xh Internal GDx port#<n> Check Stop 2

Description: Bit definition of X
[3]: Reserved (0)
[2:0]: <n> port number (0 to 3)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A40F00h Undetermined hardware Check Stop 2

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

C8A5xxxx**C8A5062Xh Internal FLI port#<n> [A | B] Check Stop 3**

Description: Bit definition of X
 [3]: 0b= A, 1b= B
 [2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A5063Xh Internal FLN port#<n> Check Stop 3

Description: Bit definition of X
 [3]: Reserved(0)
 [2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A50700h Internal Check Stop 3

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A50F00h Undetermined hardware Check Stop 3

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

C8A6xxxx**C8A6000Xh GAC port#<n> Calibration error**

Description: Bit definition of X
[3]: reserved (0)
[2:0]: <n> port number (0 to 1)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A6001Xh LDX port#<n> Calibration error

Description: Bit definition of X
[3]: reserved (0)
[2:0]: <n> port number (0 to 3)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A60100h GDX port Calibration error

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The SB needs to be replaced. If system recovery fails, the XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The SB needs to be replaced. If system recovery fails, the BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A60110h LDX port Calibration error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A60120h FLN port Calibration error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A6020Xh GAC port#<n> Calibration error

Description: X: 0 to 1

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The IO Unit needs to be replaced. If system recovery fails, the XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420

The IO Unit or IOX needs to be replaced. If system recovery fails, the BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A6021Xh GDX port#<n> Calibration error

Description: X: 0 to 3

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The IO Unit needs to be replaced. If system recovery fails, the XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420

The IO Unit or IOX needs to be replaced. If system recovery fails, the BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C8A6060Xh FLI port#<n> Calibration error

Description:	Bit definition of X [3]: Reserved(0) [2:0]: <n> port number (0 to 7)
Corrective action:	PRIMEQUEST 580A/540A/580/540/480/440 The XAI needs to be replaced. If system recovery fails, the IO Unit needs to be replaced. Contact your Fujitsu certified engineer. PRIMEQUEST 520A/520/420 The BP needs to be replaced. If system recovery fails, the IO Unit or IOX needs to be replaced. Contact your Fujitsu certified engineer.
Severity:	Error

C8A6061Xh FLN port#<n> Calibration error

Description:	Bit definition of X [3]: Reserved(0) [2:0]: <n> port number (0 to 7)
Corrective action:	PRIMEQUEST 580A/540A/580/540/480/440 The XAI needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer. PRIMEQUEST 520A/520/420 The BP needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.
Severity:	Error

C8A6070Xh LDX port#<n> Calibration error

Description:	Bit definition of X [3]: Reserved (0) [2:0]: <n> port number (0 to 7)
Corrective action:	PRIMEQUEST 580A/540A/580/540/480/440 The XDI needs to be replaced. If system recovery fails, the SB needs to be replaced. Collect system event logs, and contact your Fujitsu certified service engineer. PRIMEQUEST 520A/520/420 The BP needs to be replaced. If system recovery fails, the SB needs to be replaced. Contact your Fujitsu certified engineer.
Severity:	Error

C8A6071Xh FLI port#<n> Calibration error

Description:	Bit definition of X [3]: Reserved (0) [2:0]: <n> port number (0 to 7)
Corrective action:	PRIMEQUEST 580A/540A/580/540/480/440 The XDI needs to be replaced. If system recovery fails, the IO Unit needs to be replaced. Collect system event logs, and contact your Fujitsu certified service engineer. PRIMEQUEST 520A/520/420 The BP needs to be replaced. If system recovery fails, the IO Unit or IOX needs to be replaced. Contact your Fujitsu certified engineer.
Severity:	Error

C8A6072Xh GDX port#<n> Calibration error

Description:	Bit definition of X [3]: Reserved (0) [2:0]: <n> port number (0 to 3)
Corrective action:	PRIMEQUEST 580A/540A/580/540/480/440 The XDI needs to be replaced. If system recovery fails, another XDI needs to be replaced. Collect system event logs, and contact your Fujitsu certified service engineer. The BP needs to be replaced. Collect system event logs, and contact your Fujitsu certified engineer.
Severity:	Error

C8A7xxxx**C8A7000Xh GAC port#<n> [Inbound | Outbound] Fixed Correctable error**

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound"
[2:0]: <n> port number (0 to 1)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7001Xh LDX port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound"
[2:0]: <n> port number (0 to 3)
LDX only used for FLN inbound.

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7002Xh FLN Internal [A | B] Fixed Correctable error

Description: X: 0h= A, 8h= B, other values Reserved

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A70080h FLN Internal Fixed error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A70090h FLN Internal Fixed Compare error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A700B0h FSB-A Fixed Correctable error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A700B1h FSB-B Fixed Correctable error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A700FFh Correctable error logging limit reached

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7010Xh GDX port [Inbound | Outbound] Fixed Correctable error

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7011Xh LDX port [Inbound | Outbound] Fixed Correctable error

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7012Xh FLN port [Inbound | Outbound] Fixed Correctable error

Description: X: 0h= Inbound, 8h= Outbound

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A70130h LDX Internal Fixed Correctable error

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7015Xh DIMM Channel [A-D] Write Fixed Correctable error

Description: X: 0h= A, 1h= B, 2h= C, 3h= D

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A701FFh Correctable error logging limit reached

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7020Xh GAC port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 1)

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7021Xh GDX port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound
[2:0]: <n> port number (0 to 3)

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7022Xh FLI Internal [A | B] Address Fixed Correctable error

Description: X: 0h= A, 8h= B

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7023Xh FLI Internal [A | B] Data Fixed Correctable error

Description: X: 0h= A, 8h= B

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A702FFh Correctable error logging limit reached

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7030Xh PXB [A0-D1 | ESI] FLI Internal Fixed Correctable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7031Xh PXB [A0-D1 | ESI] FLP port Inbound Fixed Correctable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7032Xh PXB [A0-D1 | ESI] FLP port Outbound Fixed Correctable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7033Xh PXB [A0-D1 | ESI] FLI port Inbound Fixed Correctable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A703FFh Correctable error logging limit reached

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7040Xh Replay Timer Timeout

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7041Xh REPLAY_NUM Rollover

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7042Xh Bad DLLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7043Xh Bad TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7044Xh Receiver error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7045Xh Unsupported Request error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7046Xh ECRC error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7047Xh Malformed TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7048Xh Receiver Overflow

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7049Xh Unexpected Completion

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A704AXh Completer Abort

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A704BXh Completion Timeout

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A704CXh Flow Control Protocol error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A704DXh Poisoned TLP

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A704Exh Data Link Protocol error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A704FXh Training error

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A704FFh Correctable error logging limit reached

Corrective action: If FLI, PXH#[A0-B1] is indicated, the IO Unit needs to be replaced; if BMM#n-ICH is indicated, the BMM needs to be replaced; if PXH#n is indicated, the PCIU needs to be replaced; and if PEX#n is indicated, the PEXU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

C8A7054Xh PXB [A0-D1 | ESI] FLI port Outbound Fixed Correctable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7055Xh PXB [A0-D1 | ESI] FLP Internal Fixed Correctable error

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A705FFh Correctable error logging limit reached

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7060Xh FLI port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound"
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7061Xh FLN port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound"
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7062Xh Internal FLI port#<n> [A | B] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= A, 1b= B
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7063Xh Internal FLN port#<n> Fixed Correctable error

Description: Bit definition of X
 [3]: Reserved(0)
 [2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A706FFh Correctable error logging limit reached

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XAI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7070Xh LDX port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
 [3]: 0b= Inbound, 1b= Outbound"
 [2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
 The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
 The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7071Xh FLI port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound"
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7072Xh GDX port#<n> [Inbound | Outbound] Fixed Correctable error

Description: Bit definition of X
[3]: 0b= Inbound, 1b= Outbound"
[2:0]: <n> port number (0 to 3)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7073Xh Internal LDX port#<n> Fixed Correctable error

Description: Bit definition of X
[3]: Reserved(0)
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7074Xh Internal FLI port#<n> Fixed Correctable error

Description: Bit definition of X
[3]: Reserved(0)
[2:0]: <n> port number (0 to 7)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A7075Xh Internal GDX port#<n> Fixed Correctable error

Description: Bit definition of X
[3]: Reserved(0)
[2:0]: <n> port number (0 to 3)

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

C8A707FFh Correctable error logging limit reached

Corrective action: PRIMEQUEST 580A/540A/580/540/480/440
The XDI needs to be replaced. Contact your Fujitsu certified engineer.

PRIMEQUEST 520A/520/420
The BP needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Warning

2.2.17 GSWB/GTHB-related messages

Remarks: GTHB is supported in the PRIMEQUEST 580A/540A/580/540 only.

C9A00241h Initiated by hard reset

Corrective action: Not required.

Severity: Info

C9A10290h Communication Timeout

Corrective action: The GSWB needs to be replaced. If the problem persists, replace the MMB. Contact your Fujitsu certified service engineer.

Severity: Warning

C9A20000h Diagnosis error

Corrective action: The GTHB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C9A20002h Watchdog Timeout

Corrective action: The GTHB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C9A20001h Access failure

Corrective action: The GTHB needs to be replaced. Contact your Fujitsu certified engineer.

Severity: Error

C9A2023Ah Configuration File error

Corrective action: Restart the system with a valid configuration definition file specified.

Severity: Error

C9A20271h Uncorrectable ECC error

Corrective action: The GSWB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C9A30201h Machine Check Instruction Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30202h Machine Check Data Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30203h Data Storage Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30204h Instruction Storage Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30205h Alignment Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30206h Program Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30209h Watchdog Timeout

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30210h Data TLB Miss Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30211h Instruction TLB Miss Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30213h PCI PERR

Corrective action: The GSWB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C9A30214h PCI SERR

Corrective action: The GSWB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C9A30216h PCI Fatal error

Corrective action: The GSWB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C9A3023Bh Initial Diag error

Corrective action: The GSWB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C9A3023Fh System Firmware Hang

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A30290h Communication error

Corrective action: The GSWB needs to be replaced. If the problem persists, replace the MMB. Contact your Fujitsu certified service engineer.

Severity: Error

C9A302B2h File system CRC error

Corrective action: The GSWB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Error

C9A302C0h Double Abort

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A302D0h X2 Module was detached

Corrective action: The X2 module must be remounted after turning off the power of the target GSWB. Contact a certified Fujitsu service engineer.

Severity: Error

C9A302EEh Other Exception

Corrective action: The GSWB firmware needs to be updated. If the latest version of GSWB firmware is not registered, contact your Fujitsu certified service engineer.

Severity: Error

C9A70275h Correctable error logging limit reached

Corrective action: The GSWB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

CA20FF00h Configuration error

Corrective action: The GSWB and GTHB are mounted together. Because of a restriction on mounting the GSWB and GTHB together, either board must be unmounted. Contact your Fujitsu certified service engineer.

Severity: Error

2.3 Other MMB messages

A Partition power off/on is required for the selected mode to become effective. Please click the "OK" button if you want to power off the partition now, or click the "Cancel" button if you want to do it later.

Explanation: The partition must be powered off and then back on for the selected mode to become effective.

Corrective action: Click the [OK] button to power off the partition immediately or the [Cancel] button to power it off later. Click the [Cancel] button to power off the partition later.

Note: This message appears when changes have been made to the mode setting with the partition powered on.

Severity: Info

Community and IP Address/Mask are required.

Explanation: Either Community or IP Address Mask is specified, but not both. Both Community and IP Address Mask are required.

Corrective action: Verify the setting of Community and IP Address Mask.

Severity: Error

Community/User and IP Address are required.

Explanation: Either Community User or IP Address is specified, but not both. Both Community User and IP Address are required.

Corrective action: Verify the setting of Community User and IP Address.

Severity: Error

Duplicated IP Address.

Explanation: The IP address is defined in duplicate on the MMB Web-UI.

Corrective action: Verify the IP address.

Severity: Error

Duplicated On/Off Time.

Explanation:	The same time is specified for both On Time and Off Time.
Corrective action:	Verify the values of On Time and Off Time.
Severity:	Error

Duplicated Port number.

Explanation:	The port number is defined in duplicate in its setting range on the MMB Web-UI.
Corrective action:	Verify the port number setting.
Severity:	Error

Failed to backup the EFI Configuration.

Explanation:	The EFI Configuration failed to be backed up.
Corrective action:	Retry backup operation. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to change Enable/Disable status of the MMB.

Explanation:	Enable/Disable status of the MMB failed to change.
Corrective action:	Retry the change. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to clear the SEL.

Explanation:	Clearing the system event logs has failed.
Corrective action:	Click the [Clear All Events] button. If this message reappears, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to clear the status.

Explanation:	Status Clear has failed.
Corrective action:	Retry Status Clear operation. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to create %s.

Explanation:	'%s' failed to be created.
Corrective action:	Retry the creation of xx. If this condition persists, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to get the serial number.

Explanation:	The device serial number could not be acquired.
Corrective action:	Retry serial number acquisition. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to reset the MMB.

Explanation:	Reset-start of the MMB has failed.
Corrective action:	Retry reset-start of the MMB. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to reset the MMB. Please turn off the breakers to enable the settings.

Explanation:	The MMB Configuration was successfully restored, but the MMB failed to reboot.
Corrective action:	Turn the breaker off, then back on and restart the MMB.
Severity:	Error

Failed to switch over to another MMB.

Explanation:	Switched start of the MMB has failed.
Corrective action:	Retry switched start of the MMB. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to update the BMC firmware.

Explanation:	A BMC firmware update ended abnormally.
Corrective action:	Retry the BMC firmware update. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to update the EFI firmware.

Explanation:	EFI firmware update ended abnormally.
Corrective action:	Retry the EFI firmware update. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Failed to update the PAL/SAL firmware.

Explanation:	PAL/SAL firmware update ended abnormally.
Corrective action:	Retry the PAL/SAL firmware update. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Importing failed.

Explanation:	Importing the SSL has failed.
Corrective action:	Retry import operation. If it still fails, contact a Fujitsu-certified service engineer.
Severity:	Error

Invalid license key file.

Explanation:	The CD is not a licensed one.
Corrective action:	Enter a valid license key file (CD).
Severity:	Error

New settings for the IP Address of the Active MMB are specified. All existing network connections about previous settings will be lost. If you want to access back to the MMB, please click again the Network Interface button in the left menu after clicking

Explanation: This message appears to prompt confirmation in making changes to the physical IP address setting of the active MMB (for the PRIMEQUEST 580A/540A/580/540/480/440 only).

The network connection will be cleared once when the physical IP address of the active MMB is set.

Click [Network Interface] on the menu again after completing the physical IP setting of the active MMB.

Corrective action: No action required.

Severity: Info

No Access Control selected.

Explanation: No access control to be edited or removed is selected.

Corrective action: Select an access control to be edited or removed.

Severity: Error

No action selected.

Explanation: This message appears when the [Apply] button is clicked without first specifying an action to be executed.

Corrective action: Select an action to be executed.

Severity: Warning

No Auth passphrase specified.

Explanation: "Auth passphrase" has not been entered.

Corrective action: Enter "Auth passphrase."

Severity: Error

No certificate file selected.

Explanation: No certificate file is selected.

Corrective action: Specify a certificate file and execute Import.

Severity: Warning

No CSR key available.

Explanation: This message appears when an attempt was made to execute Export without a CSR key being registered.

Corrective action: Register a CSR key.

Severity: Warning

No free SB/IOU available.

Explanation: This message appears when an attempt was made to add an additional SB or IO Unit, although a free SB or IO Unit was not available.

Corrective action: Verify the configuration and retry the addition.

Severity: Error

No more Filter addition possible due to excessive registrations.

Explanation: This message appears when an attempt is made to add an additional filter, although the maximum number of filters that can be registered has already been reached.

Corrective action: Delete unnecessary users and register the additional filter.

Severity: Warning

No more schedule addition possible due to excessive registrations.

Explanation: This message appears when an attempt is made to add an additional schedule, although the maximum number of schedules that can be registered has already been reached.

Corrective action: Delete unnecessary schedules.

Severity: Error

No more User addition possible due to excessive registrations.

Explanation:	This message appears when an attempt is made to add an additional user, although the maximum number of users that can be registered has already been reached.
Corrective action:	Delete any unnecessary users.
Severity:	Error

No Priv passphrase specified.

Explanation:	"Priv passphrase" has not been entered.
Corrective action:	Enter "Priv passphrase."
Severity:	Error

No Private Key available.

Explanation:	This message appears when an attempt is made to execute Export without a secret key being registered.
Corrective action:	Register a secret key.
Severity:	Warning

No schedule selected.

Explanation:	Edit" or "Remove" has been requested without a target schedule selected.
Corrective action:	Select a target schedule.
Severity:	Error

No schedule type selected.

Explanation:	"Add" has been requested without a schedule type (Daily/Weekly/Monthly/Special) selected.
Corrective action:	Select a schedule type.
Severity:	Error

No SSL Server Certificate installed.

Explanation:	There is no server certificate to be used by HTTPS.
Corrective action:	Install a certificate, and then configure HTTPS.
Severity:	Error

No user selected.

Explanation:	This message appears when Edit or Remove is specified without a target user specified.
Corrective action:	Select a user to be edited or removed.
Severity:	Error

OPLH is not installed.

Explanation:	No OP-Panel is installed
Corrective action:	Contact a Fujitsu-certified service engineer.
Severity:	Error

Please enter Auth passphrase and Auth passphrase(confirm).

Explanation:	"Auth passphrase" and "confirm data" have not been entered.
Corrective action:	Enter "Auth passphrase" and "confirm data."
Severity:	Error

Please enter eight or more characters for the Auth passphrase(confirm).

Explanation:	"Auth passphrase (confirm)" must contain at least eight characters.
Corrective action:	Enter "Auth passphrase (confirm)" using at least eight characters.
Severity:	Error

Please enter eight or more characters for the Auth passphrase.

Explanation:	"Auth passphrase" must contain at least eight characters.
Corrective action:	Enter "Auth passphrase" using at least eight characters.
Severity:	Error

Please enter eight or more characters for the Auth passphrase.

Explanation:	"Auth passphrase" must contain at least eight characters.
Corrective action:	Enter "Auth passphrase" using at least eight characters.
Severity:	Error

Please enter eight or more characters for the Priv passphrase(confirm).

Explanation: "Priv passphrase (confirm)" must contain at least eight characters.

Corrective action: Enter "Priv passphrase (confirm)" using at least eight characters.

Severity: Error

Please enter eight or more characters for the Priv passphrase.

Explanation: "Priv passphrase" must contain at least eight characters.

Corrective action: Verify "Priv passphrase."

Severity: Error

Please enter eight or more characters for the Priv passphrase.

Explanation: "Priv passphrase" must contain at least eight characters.

Corrective action: Enter "Priv passphrase" using at least eight characters.

Severity: Error

Please enter Priv passphrase and Priv passphrase(confirm).

Explanation: "Priv passphrase" and "confirm data" have not been entered.

Corrective action: Enter "Priv passphrase" and "confirm data."

Severity: Error

Please enter User Name, Auth passphrase and Priv passphrase.

Explanation: The user name and passphrase have not been entered.

Corrective action: Enter the user name and passphrase.

Severity: Error

Restoration failed.

Explanation: The restore operation has failed.

Corrective action: Retry restore operation. If it still fails, contact a Fujitsu-certified service engineer.

Severity: Error

The %s confirmation differs from the %s.

***%s: Password, Auth passphrase, Priv passphrase**

Explanation: This message appears when the new password (passphrase) and the password entered for verification (passphrase) do not match.

Corrective action: Verify the password.

Severity: Error

The EFI configuration file cannot be restored because an EFI configuration file is currently being restored by another user in the same partition.

Explanation: The restore operation is disabled because another user in the same partition is restoring the EFI configuration.

Corrective action: Verify the data currently being processed.

Severity: Warning

The home IOU cannot be changed while the partition is running. Please try to change the home IOU after the partition is shutdown.

Explanation: The home IO Unit in a partition cannot be changed while running the partition.

Corrective action: Shut down the partition before making changes to the home IO Unit.

Severity: Warning

The IP Address is already used by the MMB.

Explanation: The IP address is defined in duplicate (within a single MMB). This message appears when the IP address set on one screen is identical with one already set on another screen.

Corrective action: Verify the IP address.

Severity: Error

**The MMB firmware cannot be updated while any partition is powered on.
Please try to update after all partition are powered off.**

Explanation: MMB firmware update is disabled because the partition is turned on.

Corrective action: Turn off the partition before executing the MMB firmware update.

Severity: Warning

The Port number is already used by the MMB.

Explanation: The port number is defined in duplicate (within a single MMB).

Corrective action: Contact a Fujitsu-certified service engineer.

Severity: Error

The selected partition has been removed by another user.

Explanation: The specified partition has been disabled (no node) by another operator.

Corrective action: Verify the configuration.

Severity: Error

The settings for the IP Address have changed. All existing network connections about previous settings will be lost. You will need to login again. If you want to continue, please click the "OK" button. If not, click the "Cancel" button.

Explanation: This message appears to prompt confirmation in making changes to the IP address setting (for the PRIMEQUEST 520A/520/420 only). All current network connections will be cleared when the IP address is set. Log in to the MMB Web-UI again after completing the setting.

Corrective action: No action required.

Severity: Info

The settings for the Virtual IP Address have changed. All existing network connections about previous settings will be lost. You will need to login again. If you want to continue, please click the "OK" button. If not, click the "Cancel" button.

Explanation: This message appears to prompt confirmation in making changes to the virtual IP address setting (for the PRIMEQUEST 580A/540A/580/540/480/440 only). All current network connections will be cleared when the virtual IP address is set. Log in to the MMB Web-UI again after completing the setting.

Corrective action: No action required.

Severity: Info

The size of the specified image file is too large.

Explanation: This message appears when a large-sized custom image file is specified on the [Login Option] screen.

Corrective action: Specify a smaller-sized custom image file.

Severity: Error

The specified Asset Tag is invalid.

Explanation: The Asset TAG contains illegal characters.

Corrective action: Review the input data.

Severity: Warning

The specified Asset Tag is too long.

Explanation: This message appears when an excessively long character string is set for an Asset TAG.

Corrective action: Review the character length of the input data.

Severity: Warning

The specified Auth passphrase is invalid.

Explanation: The setting of "Auth passphrase" contains illegal characters.

Corrective action: Verify the setting of "Auth passphrase."

Severity: Error

The specified Auth passphrase(confirm) is invalid.

Explanation: The setting of "Auth passphrase (confirm)" contains illegal characters.

Corrective action: Verify the setting of "Auth passphrase (confirm)."

Severity: Error

The specified Community is invalid.

Explanation: The setting of "Community" contains illegal characters.

Corrective action: Verify the setting of "Community."

Severity: Error

The specified Community/User is invalid.

Explanation: The setting of "Community/User" contains illegal characters.

Corrective action: Verify the setting of "Community/User."

Severity: Error

The specified current password is invalid.

Explanation: The password could not be changed because the original password entered was incorrect.

Corrective action: Retry the password change. If it still fails, contact a Fujitsu-certified service engineer.

Severity: Error

The specified date is invalid

Explanation: An invalid date was designated.

Corrective action: Verify the date.

Severity: Error

The specified E-Mail address is invalid.

Explanation: The e-mail address has an invalid format.

Corrective action: Verify the e-mail address.

Severity: Error

The specified EngineID is invalid.

Explanation: The setting of the EngineID contains illegal characters.
Corrective action: Verify the setting of the EngineID.
Severity: Error

The specified file belongs to another machine.

Explanation: The specified file has been backed up on another device.
This message appears when the file specified to be restored has been backed up on another MMB.
Corrective action: Specify a valid file.
Severity: Error

The specified file format is not supported. You can specify an image file whose format is JPEG or GIF.

Explanation: The specified image file is not in JPEG or GIF format.
This message appears when a format other than JPEG or GIF is specified for the custom image file specified on the [Login Option] screen.
Corrective action: Specify a JPEG or GIF file.
Severity: Error

The specified Hostname is invalid.

Explanation: The specified host name is invalid.
Corrective action: Verify the host name.
Severity: Error

The specified IP Address is invalid.

Explanation: The specified IP address is invalid. This message appears when an invalid IP address is entered.
Corrective action: Verify the IP address.
Severity: Error

The specified IP Address/Mask is invalid.

Explanation: The IP Address/MASK contains illegal characters.
Corrective action: Verify the setting of the IP Address/MASK.
Severity: Error

The specified Password is invalid.

Explanation: The password contains illegal characters.
Corrective action: Enter a valid password.
Severity: Error

The specified Password is too short.

Explanation: The password is too short.
Corrective action: Enter a password in eight or more characters.
Severity: Error

The specified Port number is invalid.

Explanation: The port number contains an invalid setting.
Corrective action: Verify the port number setting.
Severity: Error

The specified Priv passphrase is invalid.

Explanation: "Priv passphrase" contains illegal characters.
Corrective action: Verify the setting of "Priv passphrase."
Severity: Error

The specified Priv passphrase(confirm) is invalid.

Explanation: "Priv passphrase (confirm)" contains illegal characters.
Corrective action: Verify the setting of "Priv passphrase (confirm)."
Severity: Error

The specified Refresh Rate is invalid.

Explanation: The refresh rate specified is out of bounds.
Corrective action: Verify the refresh rate setting.
Severity: Error

The specified Shutdown Delay is invalid.

Explanation: An invalid value has been entered in place of Shutdown Delay after the UPS detected AC Failure.
Corrective action: Review the input data.
Severity: Error

The specified SMTP server address is invalid.

Explanation: The SMTP server is in an invalid format.
Corrective action: Verify the SMTP server name.
Severity: Error

The specified System Contact is invalid.

Explanation: The system contact name contains illegal characters.
Corrective action: Verify the system contact setting.
Severity: Error

The specified System Location is invalid.

Explanation: The system location name contains illegal characters.
Corrective action: Verify the system location setting.
Severity: Error

The specified System Name is invalid.

Explanation: "System Name" contains illegal characters.
Corrective action: Review the input data.
Severity: Error

The specified Time is invalid.

Explanation: The time setting value is invalid.
Corrective action: Verify the time setting.
Severity: Error

The specified Timeout is invalid.

Explanation: The timeout value specified is out of bounds.
Corrective action: Set a valid timeout value.
Severity: Error

The specified User Name is invalid.

Explanation: The user name contains illegal characters.
Corrective action: Enter a valid user name.
Severity: Error

The specified User Name is too short.

Explanation: The user name is too short.
Corrective action: Enter a user name in eighth or more characters.
Severity: Error

The specified Username is invalid.

Explanation: "Username" contains illegal characters.
Corrective action: Verify the "Username" setting.
Severity: Error

The specified values are invalid.

Explanation: Invalid values were specified.
Corrective action: Specify valid values.
Severity: Warning

The system needs at least one enabled administrator account.

Explanation:	It is not possible to disable every system administrator. This message appears when an attempt is made to delete or disable the sole Administrator user registered.
Corrective action:	Check against the user list.
Severity:	Error

Unable to add the specified %s to the partition because the partition is in Extended Mirror Mode.

Explanation:	A split SB or IO Unit cannot be assembled into this partition because it is in Extended Mirror Mode.
Corrective action:	Specify a non-split board and retry the setting.
Severity:	Error

Unable to add the specified SB#%s to the partition due to CPU mismatch between SBs.

Explanation:	This message appears when different types of CPUs are used between the additional SB to be added and the SBs in a partition.
Corrective action:	Mount the same type of CPUs in the SBs that make up a single partition and the SB to be added to it.
Severity:	Error

Unable to control system power, maintenance is in progress. Please release maintenance mode.

Explanation:	This message appears when an attempt is made to turn off the system while maintenance work (in Maintenance Mode) is in progress.
Corrective action:	Allow the maintenance work to be completed before turning off the system.
Severity:	Error

Unable to create the Selfsigned Certificate, as HTTPS is currently enabled. Please disable HTTPS before creating the certificate.

Explanation: A self-signed certificate cannot be created because HTTPS is enabled.

Corrective action: Disable HTTPS on the [Network Protocols] screen before executing Import.

Severity: Warning

Unable to import the certificate, as HTTPS is currently enabled. Please disable HTTPS before importing the certificate.

Explanation: A security certificate cannot be imported because HTTPS is enabled.

Corrective action: Disable HTTPS on the [Network Protocols] screen before executing Import.

Severity: Warning

Unable to power on the partition#%d due to CPU mismatch between SBs.

Explanation: This message appears when different types of CPUs are used between SBs that make up a partition to be turned on.

Corrective action: Mount the same type of CPUs in the SBs that make up a single partition.

Severity: Error

Unable to register the specified SB#%s as a Reserved SB because partition(s) are in Extended Mirror Mode.

Explanation: The specified split SB cannot be registered with the reserved SB because the partition is in Extended Mirror Mode.

Corrective action: Specify a non-split board and retry the setting.

Severity: Error

Unable to register the specified SB#%s as a Reserved SB due to CPU mismatch between SBs.

Explanation:	This message appears when different types of CPUs are used between the additional SB to be registered and the SBs in a partition.
Corrective action:	Mount the same type of CPUs in the SBs that make up a single partition and the reserved SB.
Severity:	Error

Unable to restore the EFI Configuration. Please power off the partition(s).

Explanation:	The EFI configuration cannot be restored because the partition is turned on.
Corrective action:	Turn off the partition and retry the EFI configuration.
Severity:	Error

Unable to restore the MMB Configuration. Please power off the chassis.

Explanation:	The MMB configuration cannot be restored because power is being fed to the cabinet.
Corrective action:	Turn off the power to the cabinet and retry the MMB configuration.
Severity:	Error

Unable to restore, the configuration file is corrupted.

Explanation:	This message appears when the file specified for restoration yields an invalid MMB (EFI) Configuration checksum.
Corrective action:	Specify a valid file.
Severity	Error

Unable to restore, the specified configuration file is invalid.

Explanation:	The file specified for restoration is not an MMB (EFI) Configuration backup file.
Corrective action:	Specify a valid file.
Severity:	Error

Unable to send a test trap, SNMP Trap is disabled.

Explanation: A test trap cannot be transmitted because SNMP Trap is disabled.

Corrective action: Enable SNMP Trap on the [Network Protocols] screen.

Severity: Warning

Unable to send a test trap, Trap Destination is not specified.

Explanation: A test trap cannot be transmitted because a trap destination has not been set.

Corrective action: Specify a trap destination.

Severity: Warning

Unable to send test E-Mail, Alarm E-Mail is disabled.

Explanation: A test e-mail cannot be transmitted because Alarm E-Mail is disabled.

Corrective action: Enable Alarm E-Mail.

Severity: Error

Unable to set Extended Mirror Mode because this partition contains at least one split SB/IOU/Reserved SB.

Explanation: This message appears when an attempt is made to place a partition containing split SBs, IO Units, and reserved SBs into Extended Mirror Mode.

Corrective action: Remove the split SBs, IO Units, and reserved SBs from the partition, and then place it into Extended Mirror Mode.

Severity: Error

Uploading failed.

Explanation: The specified file failed to be uploaded.

Corrective action: Retry the update. If the upload still fails, contact a Fujitsu-certified service engineer.

Severity: Error

Uploading failed. Please check the update file.

Explanation: The specified file has failed to be uploaded. This message appears when the specified firmware file has a size of 0.

Corrective action: Check whether a valid file has been specified, and then retry the update.

Severity: Error

User addition failed. The specified user name has already been registered.

Explanation: The same name is already registered. The user cannot be added.

Corrective action: Check the user registration list.

Severity: Error

User removal failed. The user is currently logged in.

Explanation: The specified user cannot be removed because that user is currently logged in.

Corrective action: Allow the user log out before removing that user.

Severity: Error

2.4 List of Displayed Error Messages

During MMB Web-UI operation, an error message may be displayed in the content area. Error messages are listed below, together with the corrective action to be taken when they are displayed.

Also, a message with a message ID may be followed by a numeric value (e.g., 00:0404) that indicates detailed information. If you contact your Fujitsu certified service engineer to troubleshoot an unsolvable problem, inform the service engineer about the numeric value.

I_00001 Command Completed

Description: Test e-mail was sent successfully.

Corrective action: None

Severity: Info

E_00002 Command Failed

Description: Setting information acquisition failed.

Corrective action: Retry information acquisition. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00012 One or more errors occurred while setting.

Description: An error occurred while making a setting.

Corrective action: Retry making the setting. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

I_00013 Setting completed.

Description: Setting was successfully made.

Corrective action: None

Severity: Info

E_00018 Information acquisition failed.

Description: Acquisition of information necessary for screen display failed.

Corrective action: Retry acquisition. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00020 The IP address overlaps.

Description: An IP address is duplicated. (Duplicated in the MMB settings)
This message appears when an IP address that is set on the screen matches one in the MMB settings made on another screen.

Corrective action: Check the IP address.

Severity: Error

E_00022 The partition doesn't have a node.

Description: No node exists in the selected partition.

In the case of Remove:

This message appears when a partition is selected to remove a node but another operator has already removed all nodes.

In the case of Home:

This message appears when the partition selected for home setting includes no IO Unit, or all IO Units have already been removed by another operator.

Corrective action: Check the configuration.

Severity: Error

E_00027 Installing failed. Size of uploaded file is zero.

Description: Installation failed.

Corrective action: Check whether the correct file was specified.
Retry installation with the correct file specified. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

I_00029 Status Clear completed.

Description: Status clearing is complete.

Corrective action: None

Severity: Info

E_00031 Same name already exists. User addition failed.

Description: The same name is already registered. The user cannot be added.

This message appears when the user name to be registered is already registered.

Corrective action: Check the user registration list.

Severity: Error

E_00032 No more User addition.

Description: No more users can be added because the maximum number of users that can be registered would be exceeded.

Corrective action: Delete unnecessary users, if any.

Severity: Error

E_00034 All system administrators cannot be disabled.

Description: Not all system administrators can be disabled.
This message appears when an attempt is made to delete a sole user registered as an administrator or disable the privilege.

Corrective action: Check the user list.

Severity: Error

E_00035 Unable to delete the user because the user is currently logged in.

Description: The relevant user cannot be deleted because the user is logged in.

Corrective action: Delete the user after the user logs out.

Severity: Error

E_00036 Changing Password failed.

Description: Password changing failed.
This message is appears when the entered original password is wrong.

Corrective action: Enter the correct password.
Retry password changing. If the retry fails, contact the administrator.

Severity: Error

I_00037 Changing Password completed.

Description: Password changing is complete.

Corrective action: None

Severity: Info

E_00039. Uploading failed

Description: Uploading is unsuccessful.
This message appears when uploading the specified file failed.

Corrective action: Retry uploading. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00040 Partition not defined.

Description: The selected partition is not defined.
This message appears when the specified partition has been disabled (no node) by another operator.

Corrective action: Check the configuration

Severity: Error

I_00041 User addition was completed

Description: User addition is complete.

Corrective action: None

Severity: Info

I_00042 User information editing was completed.

Description: User information changing is complete.

Corrective action: None

Severity: Info

I_00043 User deletion was completed.

Description: User deletion is complete.

Corrective action: None

Severity: Info

E_00044 The Port number overlaps.

Description: A port number is duplicated.
This message appears when a port number that is set on the screen matches one in the MMB settings made on another screen.

Corrective action: Check the port number setting, and retry setting the port number.

Severity: Error

E_00045 Free node doesn't exist.

Description: No free node is found.
This message appears when an attempt is made to incorporate a node into the partition while no free node exists.

Corrective action: Check the configuration, and retry node incorporation.

Severity: Error

I_00046 Importing has completed.

Description: Importing is complete.

Corrective action: None

Severity: Info

E_00047 Importing failed.

Description: Importing was unsuccessful.
 This message appears when SSL importing failed.

Corrective action: Retry importing. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00049 Non Redundant this Unit.

Description: The specified unit is no longer redundant.

Corrective action: Check the unit.

Severity: Error

I_00052 MMB switch processing has started.

Description: Active MMB switch processing began.

Corrective action: None

Severity: Info

E_00053 Failed to get user status. Retry 60 seconds later.

Description: Acquisition of user account status information failed.
 Redisplay 60 seconds later.
 This message appears when the user information to be displayed on the screen could not be obtained.

Corrective action: Wait about one minute and then select the menu again.
 If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

I_00054 Restore completed. Now rebooting.

Description: Restoration is successful. The system is rebooting.
 This message appears when MMB rebooting begins after MMB configuration information is restored successfully.

Corrective action: None

Severity: Info

E_00060 Specified file is the one of another machine.

Description: The specified file was backed up by another device.
This message appears when the file specified for restoration was backed up by another MMB.

Corrective action: Specify a valid file.

Severity: Error

E_00061 Failed to get serial number.

Description: The device serial number could not be acquired.

Corrective action: Retry serial number acquisition. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00062 Can't restore the MMB Configuration. Please power off the chassis.

Description: MMB configuration information cannot be restored because system (cabinet) power is on. Turn the cabinet power off.

Corrective action: Turn the cabinet power off and retry configuration restoration.

Severity: Error

E_00063 Failed to reset the MMB. Please turn off the breaker to enable the settings.

Description: MMB resetting failed. Turn the circuit breaker off to apply the settings.
This message appears when MMB rebooting failed although MMB configuration information was restored successfully.

Corrective action: Download the system event log and contact a Fujitsu certified service engineer.
Thereafter, turn the circuit breaker off and then turn it on again to reboot the MMB.

Severity: Error

I_00064 Restore completed.

Description: EFI setting was restored successfully.

Corrective action: None

Severity: Info

E_00065 Failed to restore the EFI Configuration.

Description: EFI configuration information could not be restored.

Corrective action: Retry configuration restoration. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00066 Failed to backup the EFI Configuration.

Description: EFI configuration information could not be backed up. This message appears when EFI configuration information cannot be backed up.

Corrective action: Retry configuration backup. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00067 Can't restore the EFI Configuration. Please power off the partition(s).

Description: The EFI settings cannot be restored because the partition power is on. Turn off the partition power and then retry restoration.

Corrective action: Turn off the partition power and then retry restoration.

Severity: Error

W_00068 **There are no available unit on which maintenance can be performed.**
Please check that you selected the right type of unit, then check that the power status of partitions is Standby in the Partition Power Control Window, and that there is available free units in the Partition Configuration Window. Then please try again.

Description: No maintainable unit is found. Check whether the right unit has been selected, whether the partition power status in the [Partition Power Control] window is Standby, or whether the unit selected in the Partition Configuration window is in the free state. After checking the above, retry the maintenance operation.

Corrective action: Check the unit to be maintained, and then retry the maintenance operation.

Severity: Warning

E_00069 **Can't control system power under maintenance. Release maintenance mode.**

Description: System power cannot be operated during maintenance.

Corrective action: Operate the system power after the maintenance operation is complete.

Severity: Warning

E_00075 **Partition#%aa cannot execute sadump**

Description: sadump cannot be executed for partition #%aa.
sadump could not be started.

Corrective action: Check whether sadump is installed in the partition.

Severity: Error

E_00077 **Partition#%aa cannot execute Power On.**

Description: Power to partition #%aa cannot be turned on.

Corrective action: Check whether the partition configuration is normal.

Severity: Error

E_00078. Partition#%aa cannot execute Power Off.

Description: Power to partition #%aa cannot be turned off.

Corrective action: Check the status of the partition.

Severity: Error

E_00080 Partition#%aa cannot execute Power Cycle.

Description: Power Cycle cannot be executed for partition #%aa.

Corrective action: Check the status of the partition.

Severity: Error

E_00081 Partition#%aa cannot execute Reset.

Description: Partition #%aa cannot be reset.

Corrective action: Check the status of the partition.

Severity: Error

E_00082 Partition#%aa cannot execute INIT.

Description: INIT cannot be executed for partition #%aa.

Corrective action: Check the status of the partition.

Severity: Error

E_00084 Partition#%aa cannot execute Force Power Off.

Description: Force Power Off cannot be executed for partition #%aa.
This message appears when Force Power Off execution failed.

Corrective action: Check the status of the partition.

Severity: Error

E_00087 PCI Address Mode setting failed.

Description: PCI Address Mode could not be set.

Corrective action: Check the status of the partition.

Severity: Error

E_00088 Interleave Mode setting failed.

Description: Interleave Mode could not be set.

Corrective action: Check the status of the partition.

Severity: Error

E_00089 Mirror Mode setting failed.

Description: Mirror Mode could not be set.

Corrective action: Check the status of the partition.

Severity: Error

E_00090 Power Control [Reset] setting failed.

Description: Turning the partition off and on again to validate settings failed.

Corrective action: Check the status of the partition.

Severity: Error

E_00091 Force Power Off Delay setting failed.

Description: Force Power Off Delay could not be set in the setup information.

Corrective action: Check the status of the partition.

Severity: Error

E_00094 Invalid license key file.

Description: The specified file is not a license key file.
The specified CD is not a license CD.

Corrective action: Specify a valid license key file (CD).

Severity: Error

I_00095 The standby MMB is rebooting now. Please wait several minutes.

Description: The standby MMB is rebooting. Wait for the standby MMB to start up.
This message appears when standby MMB rebooting is started by a reset instruction.

Corrective action: None

Severity: Info

I_00097 The download has been completed without the logs of the standby MMB. Please try again if necessary.

Description: Standby MMB logs have not been collected although MMB logs were collected. If standby MMB logs are required, retry log collection after a while.

Corrective action: Retry log collection.

Severity: Info

E_00098 Failed to get %aa.

Description: %aa data collection failed.
Data acquisition for screen display failed.

Corrective action: Retry menu selection. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00100 Failed to set %aa.

Description: Setting %aa failed.
This message appears when making a setting from the screen failed.

Corrective action: Retry making the setting. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00101 Unable to power on the partition#%aa due to CPU mismatch between SBs.

Description: Power to partition #%aa cannot be turned on because the CPUs mounted on the SBs do not match.

Corrective action: Mount the same type of CPUs on all SBs that constitute the relevant partition.

Severity: Error

E_00107 Unable to power on the chassis.

Description: The system (cabinet) is not in a state in which power can be turned on.

Corrective action: Wait for a while, and then reexecute power-on.

Severity: Error

E_00108 Unable to power off the chassis.

Description: The system (cabinet) is not in a state in which power can be turned off.

Corrective action: Wait for a while, and then reexecute power-off.

Severity: Error

E_00109 Unable to force power off.

Description: The system is not in a state in which Force Power Off can be executed.

Corrective action: Wait for a while, and then reexecute Force Power Off.

Severity: Error

E_00110 Failed to add the SB or IOU to the partition.

Description: An SB or IO Unit could not be added to the partition.

Corrective action: Retry addition. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

- E_00111 Failed to remove the SB or IOU from the partition.**
- Description: An SB or IO Unit could not be removed from the partition.
- Corrective action: Retry removal. If the retry fails, contact a Fujitsu certified service engineer.
- Severity: Error
-
- E_00112 Unable to add the specified SB#%aa to the partition due to CPU mismatch between SBs.**
- Description: SB#%aa cannot be added to the partition because the CPUs mounted on the SBs do not match.
- Corrective action: Ensure that the CPU to be mounted matches the CPUs on the SBs making up the partition.
- Severity: Error
-
- E_00113 Unable to register the specified SB#%aa as a Reserved SB due to CPU mismatch between SBs.**
- Description: SB#%aa cannot be registered as a reserved SB because the CPUs mounted on the SBs do not match.
- Corrective action: Ensure that the CPU to be registered matches the CPUs on the SBs making up the partition.
- Severity: Error
-
- E_00114 The specified SB#%aa cannot be registered as a Reserved SB.**
- Description: SB#%aa specified as a reserved SB cannot be registered.
- Corrective action: Retry registration. If the retry fails, contact a Fujitsu certified service engineer.
- Severity: Error

E_00121 The specified %aa cannot be added to the partition, because the partition is in Extended Mirror Mode.

Description: The specified %aa is divided and therefore cannot be added to a partition running in Extended Mirror Mode

Corrective action: Retry addition by specifying a non-divided board.

Severity: Error

E_00122 The specified SB#%aa cannot be registered as a Reserved SB, because partition(s) are in Extended Mirror Mode.

Description: Because the partition runs in Extended Mirror Mode, the specified SB#%aa, which is divided, cannot be registered as a reserved SB.

Corrective action: Retry registration by specifying a non-divided board.

Severity: Error

E_00123 Failed to clear the status.

Description: Status clearing failed.

Corrective action: Retry status clearing. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

I_00123 Unable to execute %aa Firmware Update on %bb because %cc is powered on.

Description: %aa firmware update on %bb cannot be executed because the %cc power is on.

Corrective action: Turn off the power.

Severity: Info

I_00124 Unable to execute %aa Firmware Update on %bb because the previously selected partition is not found.

Description: %aa firmware update cannot be executed because the partition definition of the target %bb is not found.

Corrective action: Execute firmware update for a partition having a partition definition.

Severity: Info

E_00125 Failed to %aa.

Description: %aa operation failed.

Corrective action: Retry operation. If the retry fails, contact a Fujitsu certified service engineer.

Severity: Error

E_00126 Unable to power on the partition#%aa due to incorrect PEXU connection.

Description: Partition #%aa cannot be powered on because PEXU is not properly connected.

Corrective action: Check the PEXU connection and make sure PEXU is connected properly.

Severity: Error

**I_00126 Unable to reset Maintenance Mode from the Enter Maintenance Mode.
Please release Maintenance Mode if you still want to proceed.**

Description: Maintenance mode cannot be reset during maintenance. To continue the operation, release maintenance mode in advance.

Corrective action: Release maintenance mode and then retry the operation.

Severity: Info

E_00127 (PRIMEQUEST 580A/540A/580/540/480/440)
Unable to power on the partition#%aa due to unsupported PCIU/PEXUs configuration.
The following PCIU/PEXUs configurations are supported in the partition:
1. Only PCIUs.
2. Only PEXUs.
3. Only PCIUs to Port#0 or #1, and only PEXUs to Port#2 and #3 of IOUs.
4. Only PCIUs to IOU#0/2/4/6, and only PEXUs to IOU#1/3/5/7.

(PRIMEQUEST 520A/520/420)
Unable to power on the partition#%aa due to unsupported PCIU/PEXUs configuration.
The following PCIU/PEXUs configurations are supported in the partition:
1. Only PCIUs.
2. Only PEXUs.
3. Only PCIUs to Port#0 or #1, and only PEXU to Port#2 and #3 of IOX.

Description: The partition #%aa cannot be powered on because the PCIU/PEXU configuration is not supported.

Corrective action: Check the PCIU/PEXU configuration in the partition.

Severity: Error

I_00128 The Mirror Mode change will become effective the next time the chassis power off/on is performed.

Description: The power must be turned off and on to reflect the Mirror Mode setting.

Corrective action: To reflect the change in the setting, turn off and on the power.

Severity: Info

- I_00129 The selected mode will become effective the next time the partition power off/on is performed.**
- Description: The power must be turned off and on to reflect the change made in the Mode window.
- Corrective action: To reflect the change in the setting, turn off and on the power.
- Severity: Info
-
- I_00130 Maintenance operator's session has been taken over.**
- Description: The maintenance operator privileges have been inherited because the user that set Maintenance Mode has logged out.
- Corrective action: None
- Severity: Info
-
- I_00201 Please select a maintenance type.**
- Description: No maintenance type is selected.
- Corrective action: Select a maintenance type.
- Severity: Info
-
- I_00202 Another user is currently performing maintenance. Please release Maintenance Mode if you still want to proceed.**
- Description: Another user is working for maintenance. To continue the operation, release maintenance mode.
- Corrective action: To continue the operation, release maintenance mode.
- Severity: Info
-
- I_00203 Please select a unit to perform maintenance on.**
- Description: No unit is selected.
- Corrective action: Select a unit.
- Severity: Info

I_00204 A unit not in maintenance has been selected. Are you sure?

- Description: An item not included in the range of items for maintenance. This message prompts you to confirm whether it is OK to continue processing.
- Corrective action: This confirmation message appears when the [Status Clear] button is clicked while the user selects a unit not included in the range of units for maintenance. If the user clicks the [OK] button, the status of the selected unit is cleared.
- Severity: Info

I_00205 Please select a unit to clear the status.

- Description: This message appears when the [Status Clear] button is clicked without selecting a target (All/Partition/Unit/Unit Parts) whose status is to be cleared. If the [Skip] button is clicked, this message does not appear even if the user selects nothing.
- Corrective action: Select a unit whose status is to be cleared.
- Severity: Info

W_00205 Maintenance of the unit cannot be performed using Hot Partition Maintenance because partition containing the target does not have its OS running. Please check the system progress of partitions in the Partition Power Control Window. Then please try again.

Description: This message appears when the status of the target partition is standby or the "System Progress" status is other than "OS Running" when an attempt was made to execute Hot Partition Maintenance. The message has the meaning "Hot Partition Maintenance cannot be executed because the maintenance target partition is stopped or System Progress is not OS Running. Check the status of the partition power and retry operation."

Corrective action: Check in the [Partition Power Control] window whether the "System Progress" status of the partition is "OS Running." If "System Progress" is other than "OS Running," ask the system administrator to change the "System Progress" status of the partition to "OS Running." After confirmation, reexecute maintenance.

Severity: Warning

I_00206 Please select a maintenance mode.

Description: Select a maintenance mode.

Corrective action: Select a maintenance mode.

Severity: Info

W_00206 Maintenance of this unit cannot be performed because the unit does not satisfy requirements of any of the maintenance modes.

Please check that the power status of partitions is Standby in the Partition Power Control Window, and that there is available free units in the Partition Configuration Window. Then please try again.

Description: Maintenance cannot be executed because no selectable maintenance mode exists and the requirements for the maintenance operation are not satisfied.

Corrective action: Check the power status of the partition in the [Partition Power Control] window. If the power is on, ask the system administrator to turn off the partition power. Check in the [Partition Configuration] window whether the unit status is free. If it is not free, ask the system administrator to make it free. After confirmation, reexecute maintenance.

Severity: Warning

I_00207 The current Serial Number is the same as the previous Serial Number. Are you sure?

Description: When a unit with a serial number is replaced for maintenance, the serial number may be the same before and after replacement. If this is the case, this message appears when the [OK] button in the replacement confirmation dialog box is pressed.

Corrective action: If there is no problem, click the [OK] button. The next window appears. If there is a problem, click the [Cancel] button and check the relevant unit.

Severity: Info

**W_00207 The power status of the chassis is now Standby.
The selected Maintenance Operation Mode has become
unavailable.
Please check the system power status in the Power Supply
Window.
Then please try again.**

Description: This message appears when the system (cabinet) power is put in standby status by a user operation when the [Next] button is pressed after selecting Hot System Maintenance. The message has the meaning "Maintenance cannot be executed in the selected maintenance mode because the system (cabinet) power status was changed. Check the system (cabinet) status and reexecute maintenance."

Corrective action: Check the system (cabinet) power status in the [Power Supply] window. If the status is Standby, ask the system administrator to turn on the system (cabinet) power. After confirmation, reexecute maintenance.

Severity: Warning

I_00208 Please select partition(s).

Description: This message appears if no partition is selected when the [Next] button in the [Maintenance Wizard (Maintenance Area)] window is pressed.

Corrective action: Select a partition.

Severity: Info

**W_00208 The power status of one of the partitions is now On.
The selected Maintenance Operation Mode has become
unavailable.
Please check that the power status of partitions is Standby in
the Partition Power Control Window.
Then please try again.**

Description: This message appears when the power status of the target partition was changed by user operation when the [Next] button is pressed after selecting Warm System Maintenance or Cold System Maintenance. The message has the meaning "Maintenance cannot be executed in the selected maintenance mode because the power status of the partition was changed. Check the partition status and reexecute maintenance."

Corrective action: Check the power status of the partition in the [Partition Power Control] window. If the status is On, ask the system administrator to turn off the partition power. After confirmation, reexecute maintenance.

Severity: Warning

I_00209 Please select a partition.

Description: The [Next] button in the [Maintenance Wizard (Partition Selection)] window is pressed but no partition has been selected.

Corrective action: Specify a partition.

Severity: Info

W_00209 Failed to restore FAN Speed Mode, but maintenance will still continue.**After Maintenance completion, please check the System Event Log Window to refer to the error details.**

Description: This message appears when there is an abnormal termination of the "FAN speed restore processing" performed when the previous window is restored by clicking the [Previous] button during Hot System Maintenance or Warm System Maintenance. The message has the meaning "FAN speed restore processing failed. Processing continues. Check the system event logs after the maintenance operation is finished."

Corrective action: Because failure in FAN speed restore processing does not affect the maintenance operation, continue the operation. Check the system event logs after the maintenance operation is finished.

Severity: Warning

I_00210 Please select a maintenance area.

Description: The [Next] button in the [Maintenance Wizard (Maintenance Area)] window is pressed but no maintenance area (partition or system) has been specified.

Corrective action: Specify a maintenance area.

Severity: Info

W_00210 Failed to restore PCI_Box FAN Speed Mode, but maintenance will still continue.**After Maintenance completion, please check the System Event Log Window to refer to the error details.**

Description: This message appears when there is an abnormal termination of the "FAN speed restore processing" of PCI_Box performed when the previous window is restored from the replacement confirmation window by clicking the [Previous] button during Hot System Maintenance or Warm System Maintenance. The message has the meaning "FAN speed restore processing of PCI_Box failed. Processing continues. Check the system event logs after the maintenance operation is finished."

Corrective action: Because failure in FAN speed restore processing of PCI_Box does not affect the maintenance operation, continue the operation. Check the system event logs after the maintenance operation is finished.

Severity: Warning

I_00211 Log files have not been saved. Are you sure you want to continue?

Description: In the log save window, the [Next] button may be clicked without saving log data. In this case, a confirmation message appears asking whether you want to move to the next window without saving log files.

Corrective action: If no log data needs to be saved, click the [OK] button to move to the next window. If log data needs to be saved, click the [Cancel] button to display this window and save log data.

Severity: Info

**W_00211 The unit is not present. Maintenance will be canceled.
Are you sure?**

Description: After an instruction was issued to replace or add a unit, the [Next] button was clicked in this window without installing the unit. The subsequent maintenance procedure was skipped and the completion window is displayed.

Corrective action: Click the [Previous] button to display the replace or addition instruction window, and install the target unit. After installation, display this window again and continue the operation.

Severity: Warning

I_00212 System Power Control cannot be executed because the system is under maintenance.

Description: System power control is not permitted during maintenance.

Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.

Severity: Info

**W_00212 The powering on has been skipped because there is no partition whose configuration satisfies power on requirements.
After Maintenance completion, please check the partition configuration in the Partition Configuration Window.**

Description: An attempt was made to turn on the power to all partitions in Cold System Maintenance but failed because there were no partitions that can be powered on.

Corrective action: As skipping the power-on operation does not affect the maintenance operation, continue the operation, and check the partition configuration.

Severity: Warning

I_00213 %aa cannot be executed because the system is under maintenance.

Description: %aa cannot be performed during maintenance.

Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.

Severity: Info

**W_00213 Power on has been skipped because the %aa is not currently connected to the partition.
Please check the cable connection.
After Maintenance completion, please check the System Event Log Window to refer to the error details.**

Description: Partition power-on processing to be performed after PCIU/PEXU replacement was skipped because %aa was not installed and not connected to the partition.

Corrective action: Although power-on processing was skipped, continue operation. As it is possible that the cable was not connected during PCIU/PEXU replacement, check for this. After the maintenance operation is finished, check the system event logs.

Severity: Warning

I_00214 Unable to Power On the Partition#%aa because this Partition is under maintenance.

Description: Partition #%aa cannot be powered on because it is under maintenance.

Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.

Severity: Info

-
- W_00214 Unable to power on the partition#%aa due to CPU mismatch between SBs.
After checking SB status and configuration, please come back to the Replacement Instruction Window, and reinstall the unit.**
- Description: Power-on processing for partition #%aa failed during SB Warm System Maintenance because the types of the CPUs mounted on both SBs do not match.
- Corrective action: Different types of CPUs coexist on the SBs of the partition. In the currently displayed window, check the replaced CPU for problems. Return to the replacement instruction window and execute replacement processing again.
- Severity: Warning
- I_00215 There is a possibility that other users are using this %aa. Are you sure?**
- Description: Another user may be using this %aa. This message prompts you to confirm whether it is OK to continue processing.
- Corrective action: Check the %aa operating status.
If there is no problem, click the [OK] button.
Otherwise, click the [Cancel] button.
- Severity: Info
- W_00215 Failed to power on %aa, but maintenance will still continue. After Maintenance completion, please check the System Event Log Window to refer to the error details.**
- Description: Although the power-on operation was executed, a timeout was assumed because the power status did not change within a certain period. Alternatively, power-on processing of %aa terminated abnormally because of a unit error.
- Corrective action: As the power-on failure does not affect the maintenance operation, continue the operation. Check the system event logs after the maintenance operation is finished.
- Severity: Warning

I_00216 Unable to change the destination of Partition#%aa's serial output because this partition is under maintenance.

Description: The Console Redirection Switch setting of partition #%aa cannot be changed because the partition is under maintenance.

Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.

Severity: Info

W_00216 Failed to power off %aa, but maintenance will still continue. After Maintenance completion, please check the System Event Log Window to refer to the error details.

Description: Although the power-off operation was executed, a timeout was assumed because the power status did not change within a certain period. Alternatively, power-off processing of %aa terminated abnormally because of a unit error.

Corrective action: As the power-off failure does not affect the maintenance operation, continue the operation. Check the system event logs after the maintenance operation is finished.

Severity: Warning

I_00217 Unable to set Partition Name of Partition#%aa because this partition is under maintenance.

Description: The partition name of partition #%aa cannot be changed because the partition is under maintenance.

Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.

Severity: Info

- W_00217 The unit powering on has been skipped because chassis power status is currently off.
After Maintenance completion, please check the System Event Log Window to refer to the error details.**
- Description: The unit power could not be turned on because the system (cabinet) power was off.
- Corrective action: Although power-on processing was skipped, continue the operation.
Check the system event logs after the maintenance operation is finished.
- Severity: Warning
-
- I_00218 Unable to add SB/IOU to Partition#%aa because this partition is under maintenance.**
- Description: The SB/IO Unit cannot be added to partition #%aa because the partition is under maintenance.
- Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.
- Severity: Info
-
- W_00218 The %aa firmware update has been failed. %bb
Please write down and keep this message.
Then please retry to update the firmware.
After Maintenance completion, please check the System Event Log Window to refer to the error details.**
- Description: PAL/SAL, BMC, or EFI firmware update was not executed because of %bb.
- Corrective action: Write down the display contents of the dialog box.
Reexecute the firmware update. If the same event occurs again, check the system event logs after replacement is finished.
If the cause is unknown, contact a Fujitsu certified service engineer.
- Severity: Warning

- I_00219 Unable to remove SB/IOU from Partition#%aa because this partition is under maintenance.**
- Description: The SB/IO Unit cannot be removed from partition #%aa because the partition is under maintenance.
- Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.
- Severity: Info
-
- I_00220 Unable to set Home on Partition#%aa because this partition is under maintenance.**
- Description: Home cannot be set for partition #%aa because the partition is under maintenance
- Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.
- Severity: Info
-
- I_00221 Unable to change Network Interface because the system is under maintenance.**
- Description: The network interface cannot be changed because the system is under maintenance.
- Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.
- Severity: Info
-
- I_00222 Unable to %aa the Partition#%bb because this Partition is under maintenance.**
- Description: %aa cannot be performed for partition #%bb because the partition is under maintenance.
- Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.
- Severity: Info

- I_00223 Unable to change the specified SB(s) because the partition including the specified SB(s) is under maintenance.**
- Description: The selected SB cannot be changed because it includes a partition under maintenance.
- Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.
- Severity: Info
-
- I_00224 Unable to execute %aa Firmware Update on %bb because %cc is under maintenance.**
- Description: %aa firmware update on %bb cannot be performed because %cc is under maintenance.
- Corrective action: Wait until the maintenance operation is finished and maintenance mode is released.
- Severity: Info
-
- W_00224 Failed to save log.
Please retry to save it.
After Maintenance completion, please check the System Event Log Window to refer to the error details.**
- Description: Log save processing cannot be continued because the log save operation failed.
- Corrective action: Retry log saving. If the same event occurs again, click the [Next] button, quit maintenance, and check the system event logs.
- Severity: Warning
-
- I_00225 Unable to execute %aa Firmware Update on %bb because %cc is not under maintenance.**
- Description: %aa firmware update on %bb cannot be performed because %cc is not under maintenance.
- Corrective action: Set maintenance mode.
- Severity: Info

**W_00225 The unit is not present.
Please come back to the Replacement Instruction Window,
and install the unit.**

Description: The maintenance target unit is not installed.

Corrective action: Return to the replacement instruction window, and
install the target unit.

Severity: Warning

**I_00226 Unable to execute %aa Firmware Update on %bb because
%cc is not free.**

Description: %aa firmware update on %bb cannot be performed
because %cc is not free.

Corrective action: Set the unit status to free.

Severity: Info

**W_00226 The unit is not present.
Please come back to the Add Instruction Window, and install
the unit.**

Description: The maintenance target unit is not installed.

Corrective action: Return to the replacement instruction window, and
install the target unit.

Severity: Warning

**I_00227 Unable to execute %aa Firmware Update on %bb because
%cc is reserved.**

Description: %aa firmware update on %bb cannot be performed
because %cc is reserved.

Corrective action: Release the SB from the reserved state.

Severity: Info

I_00228 Unable to execute %aa Firmware Update on %bb because %cc is set as Home powered on.

Description: %aa firmware update on %bb cannot be performed because %cc is defined as Home and powered on.

Corrective action: Turn off the power.

Severity: Info

W_00228 The previously selected partition(s) is not found, check has been cleared.

Description: When the [Previous] button was clicked to redisplay the [Maintenance Wizard (Maintenance Area)] window, the relevant partition was deselected because it had been redefined.

Corrective action: None

Severity: Warning

I_00229 Unable to execute %aa Firmware Update on %bb during Hot Partition Maintenance.

Description: %aa firmware update on %bb cannot be performed because %bb is under hot partition maintenance.

Corrective action: Cancel hot partition maintenance.

Severity: Info

W_00229 The previously selected partition(s) power status has changed, check has been cleared.

Description: When the [Previous] button was clicked to redisplay the [Maintenance Wizard (Maintenance Area)] window, the relevant partition was deselected because its status had been changed.

Corrective action: None

Severity: Warning

I_00230 Unable to execute MMB Firmware Update during %aa.

Description: MMB firmware update cannot be executed because of %aa.

Corrective action: Set the appropriate maintenance mode, or execute MMB firmware update when the MMB is not under maintenance.

Severity: Info

W_00230 The previously selected partition is not found, check has been cleared.

Description: When the [Previous] button was clicked to redisplay the [Maintenance Wizard (Maintenance Area)] window, the relevant partition was deselected because it had been redefined.

Corrective action: None

Severity: Warning

I_00231 Unable to execute MMB Firmware Update because a partition is powered on.

Description: MMB firmware update cannot be executed because the partition power is on.

Corrective action: Turn the partition power off.

Severity: Info

W_00231 The previously selected partition power status has changed, check has been cleared.

Description: When the [Previous] button was clicked to redisplay the [Maintenance Wizard (Maintenance Area)] window, the relevant partition could not be selected because its status had been changed.

Corrective action: Click the [OK] button to display the previous window (Unit Selection).

Severity: Warning

I_00232 The system will leave Maintenance Mode. Are you sure?

Description: This message appears when the [OK] button is clicked to release maintenance mode while there is a possibility that another person is executing maintenance.

Corrective action: To release maintenance mode, click the [OK] button to display the start window. To not release maintenance mode, click the [Cancel] button to display this window. Clicking the [Previous] button returns to the start window.

Severity: Info

W_00232 There are not partitions powered on.

Description: When the [Maintenance Wizard (Maintenance Area)] window is displayed, no partitions with the power on were found.

Corrective action: Click the [OK] button to display the previous window (Unit Selection).

Severity: Warning

I_00233 One or more partitions are powered on. Are you sure you want to release Maintenance Mode?

Description: This message appears if the [OK] button is clicked to release maintenance mode while there is a partition which is powered on and under maintenance. The message prompts you to confirm whether to release maintenance mode even though partition power is on.

Corrective action: To release maintenance mode, click the [OK] button to display the start window. To not release maintenance mode, click the [Cancel] button to display this window. Clicking the [Previous] button returns to the start window.

Severity: Info

- W_00233 Unable to select a unit with all partition powered on. Please check that you selected the right type of unit, then check that the power status of partitions is Standby in the Partition Power Control Window. Then please try again.**
- Description: No maintainable unit is found because the partition power is on.
- Corrective action: Confirm that you selected the right unit and that the power status of the partition is Standby in the [Partition Power Control] window. After confirmation, retry the maintenance operation.
- Severity: Warning
-
- I_00234 Previous firmware versions of A side and B side were different. Update operation will apply same firmware version to A side and B side. Are you sure?**
- Description: The firmware versions before replacement differ between sides A and B. If the updating of firmware versions continues, the firmware versions on sides A and B become the same.
- Corrective action: None
- Severity: Info
-
- W_00234 The previously selected unit status or power status has changed. This unit can't be selected anymore, check has been cleared.**
- Description: When the [Previous] button was clicked to return to the [Unit Number Selection] window, the unit that had been selected previously could not be selected because the unit status had been changed.
- Corrective action: None
- Severity: Warning

- I_00235 Firmware versions before and after exchange are different. Firmware update will be skipped. Are you sure?**
- Description: The firmware versions before and after replacement differ. Firmware update will be skipped. OK to proceed?
- Corrective action: None
- Severity: Info
-
- I_00236 The %aa firmware update has been completed successfully.**
- Description: This message appears if a transition to the next window occurred after the specified firmware update was completed normally. The message reports that updating the %aa firmware has ended normally.
- Corrective action: None
- Severity: Info
-
- W_00236 Failed to switch Location LED on, but maintenance will still continue. After Maintenance completion, please check the System Event Log Window to refer to the error details.**
- Description: The Location LED could not be turned on. Although a failure may have occurred, processing will continue because this problem will not affect the maintenance operation.
- Corrective action: The relevant unit may be faulty. Check the system event logs after the maintenance operation is finished.
- Severity: Warning

**I_00237 The firmware update of %aa has been completed successfully.
FirmwareVersion:%bb**

Description: This message appears if a transition to the next window occurred after the specified firmware update was completed normally. The message reports that updating the %aa firmware has ended normally.

Corrective action: Click the [OK] button in the dialog box. This window is displayed again. As firmware updating was finished normally, click the [Next] button to continue processing.

Severity: Info

**W_00237 The power status of one of the partitions is now Standby. The selected Maintenance Operation Mode has become unavailable.
Please check that the power status of partitions is On in the Partition Power Control Window.
Then please try again.**

Description: The [Next] button was pressed after Hot Partition Maintenance was selected. Because the power status of the relevant partition had been changed by user operation, check the status of the partition and retry the operation.

Corrective action: Click the [OK] button to display this window again. Check the power status of the partition in the [Partition Power Control] window. If it is Standby, ask the system administrator to turn on the partition power. After verification, retry the maintenance operation.

Severity: Warning

I_00238 There is no error information.

Description: This message reports that unit error information was collected and no error was detected.

Corrective action: None

Severity: Info

W_00238 Specified file is not a firmware file. Please select a valid firmware file.

Description: A file other than firmware files was specified for firmware update processing.

Corrective action: Click the [OK] button in the dialog box to display this window again.
Specify a valid firmware file.

Severity: Warning

W_00239 Specified file is not a %aa firmware file. Please select a valid %aa firmware file.

Description: A file other than the %aa firmware file was selected for firmware update processing.

Corrective action: Click the [OK] button in the dialog box to display this window again.
Specify a valid firmware file.

Severity: Warning

W_00240 Specified file does not correspond to this model type. Please select a valid firmware file model type.

Description: A file other than firmware files was specified for firmware update processing.

Corrective action: Click the [OK] button in the dialog box to display this window again.
Specify a valid firmware file.

Severity: Warning

W_00241 Specified firmware file checksum is invalid. Please select a valid firmware file.

Description: A firmware file with a header error (checksum error) was specified for firmware update processing.

Corrective action: Click the [OK] button in the dialog box to display this window again.
Specify a valid firmware file.

Severity: Warning

- W_00242 Specified file size is invalid. Please select a valid firmware file.**
- Description: A firmware file with an error (size error) was specified for firmware update processing.
- Corrective action: Click the [OK] button in the dialog box to display this window again.
Specify a valid firmware file.
- Severity: Warning
-
- W_00243 Failed to clear the status of %aa, but maintenance will still continue.
After Maintenance completion, please check the System Event Log Window to refer to the error details.**
- Description: Although the user clicked the [Status Clear] button, the status of %aa could not be cleared.
- Corrective action: Click the [OK] button in the dialog box to proceed to the next window.
- Severity: Warning
-
- W_00244 The replaced unit is not a %aa. Please check then reinstall the unit.**
- Description: During unit replacement, a unit other than %aa was replaced mistakenly.
- Corrective action: Confirm the target unit and replace it, then reexecute the maintenance operation.
- Severity: Warning
-
- W_00245 Failed to switch Location LED off, but maintenance will still continue.
After Maintenance completion, please check the System Event Log Window to refer to the error details.**
- Description: An error occurred during processing for turning off the Location LED.

Corrective action: The processing for turning on the Location LED failed because the relevant unit might be faulty. However, it is possible to continue the maintenance operation, which is not affected by this problem.
Check the system event logs after the maintenance operation is finished.

Severity: Warning

**W_00246 The %aa firmware update has been failed.
Please retry to update the firmware.
After Maintenance completion, please check the System
Event Log Window to refer to the error details.**

Description: %aa firmware update processing terminated abnormally.

Corrective action: Click the [OK] button in the dialog box to display this window again. Retry the firmware update.
If the same event occurs again, quit the replacement work and check the system event log.

Severity: Warning

**W_00247 Unable to add GTHB. Please check GTHB installation.
Then please try again.**

Description: GTHB cannot be added.

Corrective action: Click the [OK] button in the dialog box to return to the previous window (processing type selection window).
Check the installation status of the GTHB, and retry the maintenance operation.

Severity: Warning

W_00248 The added unit is not a %aa. Please check then reinstall the unit.

Description: This message appears when GSWB and GTHB are mistakenly mixed as the result of GTHB addition.

Corrective action: Confirm the installed units and replace any inconsistent unit, then restart maintenance operation.

Severity: Warning

**W_00249 Unable to power on the %aa due to incorrect PEXU connection.
Please check the cable connection.
Then please come back to the Replacement Instruction Window, and reconnect the PEXU cable.**

Description: %aa power-on failed because the PEXU cable connection is incorrect.

Corrective action: Click the [OK] button in the dialog box to display the next window.
Make sure that the PEXU cable is connected correctly.
Return to the replacement instruction window and retry connection processing.

Severity: Warning

**E_00301 Maintenance cannot be continued because PSU could not be powered off.
Please check the System Event Log Window to refer to the error details.**

Description: PSU power-off processing performed for PSU replacement during Hot System Maintenance terminated abnormally.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

**E_00302 Maintenance cannot be continued because PSU could not be powered on.
Please check the System Event Log Window to refer to the error details.**

Description: PSU power-on processing is performed when the [Previous] button is clicked to return to the previous window during PSU replacement in Hot System Maintenance mode. The PSU power-on processing terminated abnormally.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

**E_00303 Maintenance cannot be continued because chassis status could not be retrieved.
Please check the System Event Log Window to refer to the error details.**

Description: In Hot System Maintenance or Warm System Maintenance mode, the processing for acquiring system (cabinet) power status information terminated abnormally.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

**E_00304 Maintenance cannot be continued because FAN Speed Mode could not be set to high-speed.
Please check System Event Log Window to refer to the error details.**

Description: The processing for setting the fan speed to high in Hot System Maintenance or Warm System Maintenance mode terminated abnormally.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

**E_00305 Maintenance cannot be continued because PCI_Box FAN Speed Mode could not be set to high-speed.
Please check the System Event Log Window to refer to the error details.**

Description: The processing for setting the fan speed of PCI_Box to high in Hot System Maintenance or Warm System Maintenance mode terminated abnormally.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

- E_00306 Maintenance cannot be continued because serial number could not be retrieved.
Please check the System Event Log Window to refer to the error details.**
- Description: When a unit with a serial number was replaced, a serial number could not be obtained after replacement.
Alternatively, when a unit with a serial number was added, a serial number could not be obtained after addition.
- Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.
- Severity: Error
-
- E_00307 Maintenance cannot be continued because Location LED could not be switched off.
Please check the System Event Log Window to refer to the error details.**
- Description: An error occurred while the Location LED was turned off.
- Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.
- Severity: Error
-
- E_00309 Maintenance cannot be continued because the unit is not present.
Please check the System Event Log Window to refer to the error details.**
- Description: This message appears when the Update button was clicked while the maintenance target unit is not installed.
- Corrective action: Click the [OK] button in the dialog box to proceed to the completion window.
- Severity: Error

E_00310 Maintenance cannot be continued because GTHB#%aa could not be powered off.**Please check the System Event Log Window to refer to the error details.**

Description: GTHB#%aa power-off processing performed during GTHB replacement in Hot System Maintenance mode terminated abnormally.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.

 If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

E_00311 Maintenance cannot be continued because GTHB#%aa could not be powered on.**Please check the System Event Log Window to refer to the error details.**

Description: There was an abnormal termination of GTHB#%aa power-on processing that is performed when the [Previous] button is clicked to return to the previous window during GTHB replacement in Hot System Maintenance mode.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.

 If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

- E_00312 Maintenance cannot be continued because a timeout occurred while waiting for the MMB#%aa to boot. Please check the System Event Log Window to refer to the error details.**
- Description: During initial diagnosis in MMB#%aa start processing while MMB#%aa start monitoring is enabled, the system failed to respond and a timeout occurred.
- Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.
- Severity: Error
-
- E_00313 Maintenance cannot be continued because the MMB#%aa is in Failed status. Please check the System Event Log Window to refer to the error details.**
- Description: MMB#%aa being monitored has started but the status is Failed.
- Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.
- Severity: Error
-
- E_00314 Maintenance cannot be continued because the MMB#%aa is in Degraded status. Please check the System Event Log Window to refer to the error details.**
- Description: MMB#%aa being monitored has started but the status is Degraded.
- Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.
- Severity: Error

E_00315 Maintenance cannot be continued because the MMB#%aa is in Warning status.**Please check the System Event Log Window to refer to the error details.**

Description: MMB#%aa being monitored has started but the status is Warning.

Corrective action: Click the [OK] button in the dialog box to display a completion window. Check the system event logs for errors.
If the cause is unknown, download the system event logs and contact a Fujitsu certified service engineer.

Severity: Error

Are you sure?

Description: This message prompts you to confirm that you want to continue the operation.

Corrective action: None

Severity: Info

Are you sure want to clear the SEL?

Description: This message prompts you to confirm that you want to clear the system event log.

Corrective action: None

Severity: Info

Invalid character included.

Description: An invalid character is included.

Corrective action: Check the entered data.

Severity: Error

Input characters are too long.

Description: Too many characters were entered.

Corrective action: Check the entered data.

Severity: Error

To apply the Mirror Mode, the chassis power off is required. Do you want to power off the chassis immediately? Please click the "OK" button if you right now do power off, or click the "Cancel" button if you do power off later.

Description:	The power to the system (cabinet) must be turned off to apply mirror mode. To apply it immediately, click the [OK] button. To apply it later, click the [Cancel] button. This message appears when the mirror mode setting is changed when the system (cabinet) power is on.
Corrective action:	None
Severity:	Info

Invalid values specified.

Description:	An invalid value was entered.
Corrective action:	Check the entered data.
Severity:	Error

No change.

Description:	No processing item was selected.
Corrective action:	Select a processing item to be executed.
Severity:	Warning

The reboot is done. Login after a while.

Description:	Active MMB has started rebooting. Log in later. This message appears when the Active MMB is reset.
Corrective action:	None
Severity:	Info

You need an empty entry.

Description:	"Add" was specified but no more schedules can be registered. This message appears when an instruction to add a schedule is issued, but the number of currently registered schedule data items has already reached the upper limit.
Corrective action:	Delete unnecessary schedule data.
Severity:	Error

Invalid Date Format

Description: An invalid date is specified.

Corrective action: Check the date.

Severity: Error

The duplicate On/Off Time is found.

Description: The same time is specified for both On Time and Off Time.

Corrective action: Check the On Time and Off Time.

Severity: Error

Invalid Port number.

Description: An invalid port number is specified.

Corrective action: Check the port number setting.

Severity: Error

The duplicate Port number was found.

Description: A port number is duplicated (in the window).
This message appears when a port number is duplicated in the setting range in the window.

Corrective action: Check the port number setting.

Severity: Error

**The partition home cannot be changed while the partition is running.
Please try to change the partition home after the partition is shutdown.**

Description: The partition home cannot be changed while the partition is running. Shut down the partition and then change the partition home.

Corrective action: Shut down the partition and then change the partition home.

Severity: Warning

A Partition power off/on is required in order to make set the selected mode effective. Please click 'OK' button if you power off the partition immediately, if you do power off the partition later, click 'Cancel' button.

Description: This message appears when the mode setting is changed while the partition power is on.
To enable the selected mode setting, the partition power must be turned off and on again. To turn the partition power off immediately, click the [OK] button. To turn it off later, click the [Cancel] button.

Corrective action: None

Severity: Info

This setting has been effective, because the power status is power off.

Description: The new setting is now effective because it was made while the power status was "Power Off."
This message appears when a setting is changed while the partition power is off.

Corrective action: None

Severity: Info

This setting becomes effective by next power off/on.

Description: The new setting will be enabled when the power is turned off and then on again.
This message appears when a setting is changed while the partition power is off.

Corrective action: None

Severity: Info

Cannot be powered off/on it is under maintenance.

Description: Power cannot be turned off or on during maintenance.

Corrective action: Release maintenance mode.

Severity: Info

Select a User Name.

Description:	Select the user to be edited or removed.
Corrective action:	Select the user to be edited or removed.
Severity:	Error

%aa will be removed. Are you sure?

Description:	This message prompts you to confirm whether to delete user %aa.
Corrective action:	None
Severity:	Info

No more User addition.

Description:	No more users can be added because the maximum number of users that can be registered is exceeded.
Corrective action:	Delete unnecessary users, if any.
Severity:	Error

%aa will be added. Are you sure?

Description:	This message prompts you to confirm whether to add user %aa.
Corrective action:	None
Severity:	Info

%aa will be changed. Are you sure?

Description:	This message prompts you to confirm whether to change user %aa.
Corrective action:	None
Severity:	Info

Password differs from the re-password.

Description:	The two entered passwords (or pass phrases), the new password and retyped password, did not match.
Corrective action:	Check the entered passwords.
Severity:	Error

Invalid Time Format

Description:	An invalid value was set for the time.
Corrective action:	Check the entered time value.
Severity:	Error

The duplicate IP address was found.

Description:	An IP address is duplicated.
Corrective action:	Check the IP addresses.
Severity:	Error

Invalid IP Address specified.

Description:	An invalid IP address was found. This message appears when an invalid IP address is specified.
Corrective action:	Check the IP address.
Severity:	Error

Invalid hostname was found.

Description:	An invalid host name was found.
Corrective action:	Check the host name.
Severity:	Error

(PRIMEQUEST 580A/540A/580/540/480/440)

The new settings for the IP Address of the Active MMB are specified. All existing network connections about this settings will be lost. If you want to access the MMB again, click the Network Interface menu after clicking OK button. Are you sure?

Description:	The network connection was temporarily released because the physical IP address of the active MMB was newly set. Select Network Interface again in the menu.
Corrective action:	None
Severity:	Info

Timeout setting is invalid.

Description: The value specified for timeout is not in the valid range.

Corrective action: Specify a valid value for timeout.

Severity: Error

SSL Server Certificate is not found.

Description: No server certificate used for HTTPS was found.

Corrective action: Install a server certificate and then make settings for HTTPS.

Severity: Error

HTTP Connection will be lost. You will need to login again. Are you sure?

Description: The WEB UI was disconnected because HTTP (HTTPS) was disabled.
This message appears when an attempt is made to disable the protocol (HTTP or HTTPS) used for the current access

Corrective action: None

Severity: Info

Range over error.

Description: The specified refresh interval is outside the allowable range.

Corrective action: Check the specified refresh interval.

Severity: Error

System Location name is wrong.

Description: The system location name includes an invalid character.

Corrective action: Check the system location settings.

Severity: Error

System Contact name is wrong.

Description: The system contact name includes an invalid character.
Corrective action: Check the system contact settings.
Severity: Error

Set both Community and IP Address/MASK.

Description: Both Community and IP Address/MASK need to be set.
This message appears when only one of Community and IP Address/MASK is specified.
Corrective action: Check the Community and IP Address/MASK settings.
Severity: Error

IP Address/MASK data is wrong.

Description: IP Address/MASK includes an invalid character.
Corrective action: Check the IP Address/MASK settings.
Severity: Error

Community data is wrong.

Description: Community data includes an invalid character.
Corrective action: Check the Community settings.
Severity: Error

A test trap was sent.

Description: A test trap was transmitted.
Corrective action: None
Severity: Info

Send a test trap to the all set communities. Are you sure?

Description: This message prompts the user to confirm whether to send a test trap.
Corrective action: None
Severity: Info

Cannot send test trap because Trap Destination is not specified.

Description: A test trap cannot be sent because the trap send destination is not specified.

Corrective action: Specify a trap send destination.

Severity: Warning

Cannot send test trap because SNMP Trap is disabled.

Description: A test trap cannot be sent because traps are disabled by the protocol setting.

Corrective action: Enable SNMP traps in the Network Protocols window.

Severity: Warning

Set both Community/User and IP Address.

Description: Both Community/User and IP Address need to be set. This message appears when only one of Community/User and IP Address is specified.

Corrective action: Check the Community/User and IP Address settings.

Severity: Error

Community/User data is wrong.

Description: The community/User setting includes an invalid character.

Corrective action: Check the Community/User settings.

Severity: Error

Input Auth passphrase.

Description: Enter an Auth passphrase.

Corrective action: Enter an Auth passphrase.

Severity: Error

Input eight or more characters into the Auth passphrase confirm.

Description: Specify an Auth passphrase in eight or more characters.

Corrective action: Specify an Auth passphrase in eight or more characters.

Severity: Error

Input Priv passphrase.

Description: Enter a Priv passphrase.
Corrective action: Enter a Priv passphrase.
Severity: Error

Input eight or more characters into the Priv passphrase.

Description: Specify a Priv passphrase in eight or more characters.
Corrective action: Specify a Priv passphrase in eight or more characters.
Severity: Error

EngineID data is wrong.

Description: EngineID data includes an invalid character.
Corrective action: Check the EngineID settings.
Severity: Error

Username data is wrong.

Description: Username data includes an invalid character.
Corrective action: Check the Username settings.
Severity: Error

Auth passphrase data is wrong.

Description: Auth passphrase data includes an invalid character.
Corrective action: Check the Auth passphrase settings.
Severity: Error

Auth passphrase confirm data is wrong.

Description: Auth passphrase confirm data includes an invalid character.
Corrective action: Check the Auth passphrase confirm settings.
Severity: Error

Priv passphrase data is wrong.

Description: Priv passphrase data includes an invalid character.
Corrective action: Check the Priv passphrase settings.
Severity: Error

Priv passphrase confirm data is wrong.

Description: Priv passphrase confirm data includes an invalid character.
Corrective action: Check the Priv passphrase confirm settings.
Severity: Error

Auth passphrase are mismatched.

Description: The Auth passphrase data and Auth passphrase (confirm) data do not match.
Corrective action: Enter the Auth passphrase and Auth passphrase (confirm) data again.
Severity: Error

Priv passphrase are mismatched.

Description: The Priv passphrase data and Auth passphrase (confirm) data do not match.
Corrective action: Enter the Priv passphrase and Auth passphrase (confirm) data again.
Severity: Error

Please enter twice Auth passphrase.

Description: Enter and confirm the Auth password.
Corrective action: Enter both Auth passphrase and confirm data.
Severity: Error

Please enter twice Priv passphrase.

Description: Enter and confirm the privacy password.
Corrective action: Enter both Priv passphrase and confirm data.
Severity: Error

Input eight or more characters into the Auth passphrase confirm.

Description:	At least eight characters must be specified for the Auth passphrase confirm data.
Corrective action:	Enter eight characters or more for the Auth passphrase confirm data.
Severity:	Error

Input eight or more characters into the Priv passphrase confirm.

Description:	At least eight characters must be specified for the Priv passphrase confirm data.
Corrective action:	Enter eight characters or more for the Priv passphrase confirm data.
Severity:	Error

**Previous private key will be overwritten with new private key.
Are you sure?**

Description:	This message prompts you to confirm replacing the existing key with the new key. The message appears for confirmation when an SSL key is created.
Corrective action:	None
Severity:	Info

A new Key and a CSR are generated successfully. To use the new Key, click "OK" button.

Description:	Key and CSR key have been created. To use them, click the [OK] button.
Corrective action:	None
Severity:	Info

Private Key is exported. Are you sure?

Description:	This message prompts you to confirm exporting a private key.
Corrective action:	None
Severity:	Info

CSR is exported. Are you sure?

Description:	This message prompts you to confirm exporting a CSR key.
Corrective action:	None
Severity:	Info

Private Key doesn't exist.

Description:	No private key is registered. This message appears when an attempt is made to export a key while no keys are registered.
Corrective action:	Register a private key.
Severity:	Warning

CSR doesn't exist.

Description:	No CSR key is registered. This message appears when an attempt is made to export a CSR key while no keys are registered.
Corrective action:	Register a CSR key.
Severity:	Warning

A certificate file is not selected yet.

Description:	No certificate file is selected.
Corrective action:	Specify a certificate file for import.
Severity:	Warning

%aa is imported. Are you sure?

Description:	This message prompts you to confirm importing %aa.
Corrective action:	None
Severity:	Info

Security Certificate is not able to import, because HTTPS is enabled.

Description:	No security certificate can be imported because HTTPS is enabled.
Corrective action:	Import a certificate after disabling HTTPS in the Network Protocols settings.
Severity:	Warning

Selfsigned Certificate is not able to create, because HTTPS is enabled.

Description:	A selfsigned certificate cannot be created because HTTPS is enabled.
Corrective action:	Import a certificate after disabling HTTPS in the Network Protocols settings.
Severity:	Warning

SSH Server Key is generated successfully. To install this new SSH Server Key click "OK" button.

Description:	An SSH Server Key has been generated successfully. To install the generated SSH Server Key, click the [OK] button.
Corrective action:	None
Severity:	Info

Username is too short.

Description:	The specified user name is too short.
Corrective action:	Specify a user name in eight or more characters.
Severity:	Error

Password is too short.

Description:	The specified password is too short.
Corrective action:	Enter a password in eight or more characters.
Severity:	Error

%aa is duplicated.

Description: This message appears when a user name is duplicated.
%aa is already registered.

Corrective action: Check the user name.

Severity: Error

Invalid character is included in UserName.

Description: The specified user name includes an invalid character.

Corrective action: Specify a valid user name.

Severity: Error

Invalid character is included in Password.

Description: The specified password includes an invalid character.

Corrective action: Specify a valid password.

Severity: Error

Both passwords are mismatched. Please try again.

Description: The password did not match. Enter the password again.

Corrective action: Enter the password again.

Severity: Error

Nothing is selected.

Description: No operation target is specified.

Corrective action: Specify an operation target.

Severity: Error

Invalid E-Mail address format.

Description: The format of the e-mail address is invalid.

Corrective action: Check the e-mail address setting.

Severity: Error

Invalid SMTP server address.

Description: The format of the SMTP server name is invalid.

Corrective action: Check the SMTP server name.

Severity: Error

Please check a Subject.

Description: Check the Subject setting.

Corrective action: Check the Subject setting.

Severity: Info

Alarm E-Mail is disabled.

Description: Test e-mail cannot be sent because Alarm E-Mail is disabled.

Corrective action: Enable Alarm E-Mail.

Severity: Error

The MMB firmware cannot be updated while any partitions are powered on. Please try to update after the all partitions are powered off.

Description: MMB firmware cannot be updated because the partition power is on. Turn off the partition power and then update the MMB firmware.

Corrective action: Turn off the partition power and then update the MMB firmware.

Severity: Warning

The EFI configuration information file cannot be restored because an EFI configuration information file is being restored by another user in the same partition now.

Description: The settings of a partition cannot be restored because another user is restoring the settings of the same partition.

Corrective action: Check whether another user is currently restoring processing.

Severity: Warning

CHAPTER 3 PSA Messages

3.1 Reading Messages

The display of PSA messages varies depending on the log type. This section describes how to read stored messages.

- **Log messages (Linux: syslog, Windows: Event log)**

An event detected by PSA is output as an OS log message. In Linux, messages can be checked in log files and on the console. In Windows, they can be checked in the application log and system log (IPMI driver only) of the event viewer.

- **Agent log**

The agent log is a history of actions taken by PSA (log output, REMCS communication, SNMP trap transfer, etc.). (Events detected within PSA, which are identified by event IDs 00000 to 09999, are excluded.)

The [Agent Log] window of the MMB Web-UI displays a list of entries from the log in a partition. Also, the list can be downloaded as a CSV file from the [Agent Log] window.

- **E-mail notification messages**

Errors detected by PSA are reported in e-mail messages to the system administrator and maintenance personnel.

The first line in the message text is specified as the e-mail subject.

E-mail send settings on the MMB must be made and the e-mail addresses of the system administrator and maintenance personnel (recipients of the notification) must be specified before they can receive e-mail notification messages. For details on how to set up e-mail notification, see the *PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands* (C122-E003EN).

3.1.1 Log messages (Linux: syslog, Windows: event log)

Each log message has the following format:

[Linux: syslog message]

Mnn dd HH:mm:ss host FJSVpsa: L nnnnn xxxx Message Detail

[Linux: display example]

Apr 9 12:30:36 PRIMEQUEST FJSVpsa W 12345 IOU#0-HDD#1

Hardware Error Occurred Vendor=Fujitsu-XXXX

Table 3.1 Displayed contents of syslog messages

Display	Meaning	Description
Mnn	First three letters of a month name	
dd	Date	
HH:mm:ss	Time of occurrence	Hour (military time): minute: second
host	Computer name	
FJSVpsa	Name of the component that detected an error or event	Assigns ssw for message output by the monitoring function of extended file units.
L	System damage level	E: Error (a serious system error) W: Warning (warning or caution status: system operation can continue) I: Info (notification)
nnnnn	Event ID	
xxxx	Unit name of the faulty component	Example: IOU#1-HDD#0 Under the following conditions, there is a possibility that the fault location cannot be identified and this item becomes "Unknown": <ul style="list-style-type: none"> • The driver message has no information about the fault location. • An error occurs with a device (USB device, etc.) not managed by PSA. • An error occurs during device recognition processing by the OS and before PSA recognizes it in hot-plug processing. • An error occurs after the OS recognizes a device and before PSA recognizes it in hot-plug processing.
Message	Message that describes the problem	Detail: Detailed information about the faulty component (e.g., partition number, serial number, model)

[Windows: Event log message]

Type: L
 Date: yyyy/mm/dd
 Time: HH:MM:SS
 Source: FJSVpsa
 Classification: None
 Event: nnnn
 User: N/A
 Computer: host
 Description: xxxx + Message + Detail

[Windows: Example of display]

Type: Warning
 Date: 2006/04/09
 Time: 12:30:36
 Source: FJSVpsa
 Classification: None
 Event: 12345
 User: N/A
 Computer: PRIMEQUEST
 Description: IOU#0-HDD#1 Hardware Error Occurred Vendor =
 Fujitsu-XXXX

Table 3.2 Display details of event log messages

Display	Meaning	Description
L	System damage level	E: Error (a serious system error) W: Warning (warning or caution status: system operation can continue) I: Info (notification)
yyyy/mm/dd	Date of occurrence	
HH:mm:ss	Time of occurrence (military time): minute: second	
FJSVpsa	Computer name	<ul style="list-style-type: none"> Assigns FJSVpsassw for message output by the monitoring function of extended file units. Assigns psaipm for message output by IPMI driver. Application log is output by FJSVpsa and fjpsassw, and fjpsaipm is output by system log.

Display	Meaning	Description
nnnnn	Event ID	
host	Computer name	
xxxx	Unit name of the faulty component	<p>Example: IOU#1-HDD#0</p> <p>Under the following conditions, there is a possibility that the fault location cannot be identified and this item becomes "Unknown":</p> <ul style="list-style-type: none">• The driver message has no information about the fault location.• An error occurs with a device (USB device, etc.) not managed by PSA.• An error occurs during OS starting by the OS and before PSA recognizes it in hot-plug processing.• An error occurs after the OS recognizes a device and before PSA recognizes it in OS starting.
Message	Message that describes the problem	<p>Detail:</p> <p>Detailed information about the faulty component (e.g., partition number, serial number, model)</p>

3.1.2 Agent log

This section describes the [Agent Log] window and explains the displayed items of the CSV file.

The [Agent Log] window is split into two frames, a top frame and a bottom frame. The bottom frame displays details about the message selected in the top frame.

Displaying the [Agent Log] window of the MMB Web-UI

- 1 Select [Partition] → [Partition#x] → [PSA] → [Agent Log].

The [Agent Log] window with the agent log is displayed.

Agent Log					
	Date and time of occurrence	Severity level	Unit that detected the error	Event ID	Message
To display detailed information, click on the entry number.					
No.	Date/Time	Severity	Unit	Event ID	Description
1	2005-05-24 12:21:34	Warning	IOU#2-SCSI#1-FUNC#1-CHAN#0-ID#3	14059	scsi:sd Device error (Not ready) vendor=FUJITSU model=MAT3073NC serial-no=AAR4P4C0004T
2	2005-05-24 12:21:34	Warning	IOU#2-SCSI#1-FUNC#1-CHAN#0-ID#3	14059	scsi:sd Device error (Not ready) vendor=FUJITSU model=MAT3073NC serial-no=AAR4P4C0004T
3	2005-05-24 12:21:33	Warning	IOU#2-SCSI#1-FUNC#1-CHAN#0-ID#3	14059	scsi:sd Device error (Not ready) vendor=FUJITSU model=MAT3073NC serial-no=AAR4P4C0004T
<div>Detail area</div> <div>Download Filter</div>					

Figure 3.1 [Agent Log] window

Table 3.3 Displayed contents of the [Agent Log] window

Item	Meaning	Description
Count of displayed log items	The number of agent log items currently listed and the number of stored agent log items of PSA actions are displayed.	Example: Display of the latest 1000 items out of 5000 items Results 1000 of 5000
No	An agent log serial number is displayed.	A link indicates that detailed information is available.
Date/Time	The time of occurrence is displayed.	The display format for the date is yyyy-MM-dd HH:mm:ss.

Table 3.3 Displayed contents of the [Agent Log] window

Item	Meaning	Description
Severity	A severity level is displayed.	<p>Error: Serious problem such as a hardware error</p> <p>Warning: Warning (an event that is not serious but will possibly develop into a problem)</p> <p>Info: Notification (a normal event)</p>
Unit	A name identifying the occurrence location is displayed.	<p>Example: IOU#1-HDD#0</p> <p>Under the following conditions, there is a possibility that the fault location cannot be identified and this item becomes "Unknown":</p> <ul style="list-style-type: none"> • The driver message has no information about the fault location. • An error occurs with a device (USB device, etc.) not managed by PSA. • An error occurs during device recognition processing by the OS and before PSA recognizes it in hot-plug processing. • An error occurs after the OS recognizes a device and before PSA recognizes it in hot-plug processing.
Event ID	An event ID is displayed.	
Description	A message is displayed.	
Detail area (in the bottom frame)	Detailed message information is displayed.	Detailed information on the selected log item on the list is displayed.

3.1.3 E-mail notification messages

This section provides a display example of a message reported to the administrator and maintenance personnel and explains such messages.

The first line in the message text is specified as the e-mail subject.

[E-mail notification]

```
FJSVpsa P#nn yyyy-MM-dd HH:mm:ss L nnnnn xxxx Message Detail  
RawData
```

[Display example]

```
FJSVpsa P#2 2005-04-09 12:30:36 W 12345 IOU#0-HDD#1 Hardware  
Error Occurred Vendor=Fujitsu RawData
```

Table 3.4 Displayed contents of e-mail notification messages

Display	Meaning	Description
FJSVpsa	Name of the component that detected an error or event	
P#nn	ID of the partition that reports the message	
yyyy-MM-dd	Date of detection	Year-month-day
HH:mm:ss	Time of detection	Hour (military time): minute: second
L	System damage level	E: Error (a serious system error) W: Warning (warning or caution status: system operation can continue) I: Info (notification)
nnnnn	Event ID	
xxxx	Unit name of the faulty component	Example: IOU#1-HDD#0 Under the following conditions, there is a possibility that the fault location cannot be identified and this item becomes "Unknown": <ul style="list-style-type: none"> • The driver message has no information about the fault location. • An error occurs with a device (USB device, etc.) not managed by PSA. • An error occurs during device recognition processing by the OS and before PSA recognizes it in hot-plug processing. • An error occurs after the OS recognizes a device and before PSA recognizes it in hot-plug processing.
Message	Message that describes the problem	Detail: Detailed information about the faulty component (e.g., partition number, serial number, model)
RawData	Data on the detected error	

3.2 Message List

This section provides a description for each displayed message and describes the corresponding corrective action.

The messages are listed in ascending order of event ID.

Event IDs are classified according to the software that displays the message and the driver that detects the error.

The severity level indicates the importance of a message.

- Error: Serious system error
- Warning: Warning or caution status: system operation can continue
- Info: Notification

The letters (R, M, T, and S) in "Action" denote types of action taken by PSA. Different action types are indicated in different messages.

- R: REMCS communication
- M: Mail transmission
- T: SNMP trap transfer
- S: syslog output

3.2.1 PSA messages (00002 to 09993)

00002 **system err() %s4, %s5, %s5, %s5, %s5**

Description: A system error was detected in PSA.
 %s4= Number (1 to 3 digits)
 %s5= Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (//S)

00003 system err [%s1:%s2] %s3

Description: A PSA system error was detected.
 %s1= Decimal
 %s2= Decimal
 %s3= Decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

00004 Start failed :system call error [%s1:%s2] %s3

Description: An error occurred in a system call during PSA
 activation.
 %s1= Decimal
 %s2= Decimal
 %s3= Decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

00006 starting timeout %s1

Description: A timeout was detected during PSA activation.
 %s1= Decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Warning

Action: (// /S)

00007 stopped by Ctrl-C %s1

Description: A PSA process was terminated by Ctrl+C.
 %s1= String

Corrective action: Not required.

Severity: Info

Action: (// /S)

00008 startup succeeded (%s1)

Description: PSA started successfully.

%s1= String

Corrective action: Not required.

Severity: Info

Action: (// /S)

00009 Start failed %s1 [%s2,%s3] %s4

Description: An abnormality occurred during PSA process activation.

%s1= String

%s2= Decimal

%s3= Decimal

%s4= Decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

00010 cannot open file (%s1)

Description: The PSA definition file cannot be opened.

%s1= String

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

00011 file read err (%s1):not enough memory

Description: Sufficient memory for PSA operation cannot be allocated.

%s1:= String

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

00012 configure error detail (%s1)

Description: An abnormal setting was detected in the PSA definition file.
 %s1= Sttring

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

00013 Start failed (%s1) %s2:%s3:child process was stopped

Description: A PSA child process stopped.
 %s1= String
 %s2= Decimal
 %s3= Hexadecimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

00051 lib call err[%s1:%s2](%s5) %s5, %s4, %s5, %s5, %s5, %s5

Description: An error occurred when a library required for starting PSA was called.
 %s1=Number (1 digit)
 %s2=Number (2 to 4 digits)
 %s4=Number (1 to 3 digits)
 %s5=Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

00061 daemon normal end(etc/opt/FJSVpsa/global/pmpsa.conf)

Description: A PSA daemon process completed normally.

Corrective action: None required.

Severity: Info

Action: (/ / /S)

00062 child process abnormal end[%s1:%s2] (%s3) %s1:%s4

Description: An error occurred in a PSA child process.
 %s1=Number (1 digit)
 %s2=Number (2 to 4 digits)
 %s3=String (2 to 7 characters)
 %s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (// /S)

00063 child process %s6 time out [%s1:%s2] (%s3)

Description: A PSA child process became non-responsive.
 %s1=Number (1 digit)
 %s2=Number (2 to 4 digits)
 %s3=String (2 to 7 characters)
 %s6=stop or exec

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (// /S)

00064 Start failed:Parameter error [%s1:%s2]

Description: PSA startup failed because of a parameter error.
 %s1=Number (1 digit)
 %s2=Number (2 to 4 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

00065 Start failed (/etc/opt/FJSVpsa/global/pmpsa.conf):system call error [%s1:%s2]

Description: An error occurred in a system call during PSA startup.

 %s1=Number (1 digit)

 %s2=Number (2 to 4 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

00066 Start failed (/etc/opt/FJSVpsa/global/pmpsa.conf):File can not open [%s1:%s2] (%s4)

Description: A necessary file could not be opened during PSA startup.

 %s1=Number (1 digit)

 %s2=Number (2 to 4 digits)

 %s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

00067 Start failed (/etc/opt/FJSVpsa/global/pmpsa.conf):Multiplex starting (%s4)

Description: An attempt was made to start more than one PSA instance.

 %s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

- 00068 Start failed (/etc/opt/FJSVpsa/global/pmpsa.conf)%s1:%s4:child process was stopped**
- Description: A PSA child process was stopped.
 %s1=Number (1 digit)
 %s4=Number (1 to 3 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ / /S)
-
- 00069 startup succeeded (/etc/opt/FJSVpsa/global/pmpsa.conf)**
- Description: PSA was successfully started.
- Corrective action: None required.
- Severity: Info
- Action: (/ / /S)
-
- 00070 stop by Ctrl-C (/etc/opt/FJSVpsa/global/pmpsa.conf)**
- Description: A PSA process was terminated by Ctrl+C.
- Corrective action: None required.
- Severity: Info
- Action: (/ / /S)
-
- 00071 cannot open file (/etc/opt/FJSVpsa/global/pmpsa.conf)**
- Description: The PSA configuration file could not be opened.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ / /S)

**00072 file format err (/etc/opt/FJSVpsa/global/
pmpsa.conf:line=%s4):line length over**

Description: The PSA configuration file is incorrectly formatted.
 The character string in (file-name: line = line-number)
 is too long.
 %s is a value indicating internal information.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

**00073 file format err (/etc/opt/FJSVpsa/global/
pmpsa.conf:line=%s4):out of section**

Description: The PSA configuration file is incorrectly formatted.
 The data in (file-name: line = line-number) is outside a
 section.
 %s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

**00074 file format err (/etc/opt/FJSVpsa/global/
pmpsa.conf:line=%s4):bad section**

Description: The PSA configuration file is incorrectly formatted.
 The section format in (file-name: line = line-number) is
 incorrect.
 %s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

00075 file read err (/etc/opt/FJSVpsa/global/pmpsa.conf):not enough memory

Description: The size of memory required for PSA operation cannot be allocated.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

00076 file format err (/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):section name overlaps

Description: The PSA configuration file is incorrectly formatted.
The same section name was detected in (file-name: line = line-number).
%s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

00077 file format err (/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):bad member

Description: The PSA configuration file is incorrectly formatted.
The member format in (file-name: line = line-number) is incorrect.
%s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

**00078 file format err (/etc/opt/FJSVpsa/global/
pmpsa.conf:line=%s4):member name overlaps**

Description: The PSA configuration file is incorrectly formatted.
 The same member name was detected in (file-name:
 line = line-number).
 %s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

**00079 file read err (/etc/opt/FJSVpsa/global/pmpsa.conf)
%s5:%s4:system error**

Description: An error occurred in read processing of the PSA
 configuration file.
 %s4= Number (1 to 3 digits)
 %s5= Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

**00080 file format err (/etc/opt/FJSVpsa/global/pmpsa.conf)
%s5:%s4:bad member**

Description: The PSA configuration file is incorrectly formatted.
 (file-name) is an incorrect member.
 %s4= Number (1 to 3 digits)
 %s5= Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

-
- 00081 cannot change directory (/etc/opt/FJSVpsa/global/pmpsa.conf) %s1:%s4**
- Description: PSA failed in an operation to switch to a work directory.
 %s1=Number (1 digit)
 %s4=Number (1 to 3 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ / /S)
-
- 00083 starting timeout (/etc/opt/FJSVpsa/global/pmpsa.conf)**
- Description: A timeout error was detected during PSA startup.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ / /S)
-
- 00090 abnormal end of service was detected**
- Description: The PSA service terminated abnormally.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ / /S)
-
- 00100 Stop failed:Parameter error[%s1:%s2]**
- Description: The PSA stopping operation failed because of a
 parameter error.
 %s1=Number (1 digit)
 %s2=Number (2 to 4 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ / /S)

00101 timeout occurred (/etc/opt/FJSVpsa/global/pmpsa.conf)

Description: A timeout error occurred during the PSA stopping operation.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

00102 message err [%s1:%s2] (/etc/opt/FJSVpsa/global/pmpsa.conf) %s4

Description: An error occurred in message processing during the PSA stopping operation.

%s1=Number (1 digit)

%s2=Number (2 to 4 digits)

%s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

00104 request is rejected [%s1:%s2] (%s5) %s5

Description: A PSA stop request was rejected.

%s1=Number (1 digit)

%s2=Number (2 to 4 digits)

%s5=Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

00105 Under stop processing execution [%s1:%s2] (%s5) %s5

Description: A PSA stop request is being processed.

 %s1=Number (1 digit)

 %s2=Number (2 to 4 digits)

 %s5=Number (1 to 8 digits)

Corrective action: None required.

Severity: Info

Action: (/ / /S)

**00111 lib call err [%s1:%s2]
(/etc/opt/FJSVpsa/global/pmpsa.conf) %s1:%s5, %s4, %s5,
%s5, %s5, %s5**

Description: A library call failed during the PSA stop procedure.

 %s1=Number (1 digit)

 %s2=Number (2 to 4 digits)

 %s4=Number (1 to 3 digits)

 %s5=Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

00112 system call err [%s1:%s2] (%s5) %s1:%s4

Description: A system call error occurred during the PSA stop procedure.

 %s1=Number (1 digit)

 %s2=Number (2 to 4 digits)

 %s4=Number (1 to 3 digits)

 %s5=Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

- 00129 stop succeeded (/etc/opt/FJSVpsa/global/pmpsa.conf)**
Description: PSA was successfully stopped.
Corrective action: None required.
Severity: Info
Action: (// /S)
- 00130 stopped by Ctrl-C (/etc/opt/FJSVpsa/global/pmpsa.conf)**
Description: The PSA stop procedure was terminated by Ctrl+C.
Corrective action: None required.
Severity: Info
Action: (// /S)
- 00131 cannot open file(/etc/opt/FJSVpsa/global/pmpsa.conf)**
Description: The PSA stop procedure configuration file could not be opened.
Corrective action: Contact your Fujitsu certified service engineer.
Severity: Error
Action: (// /S)
- 00132 file format err
(/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):line length
over**
Description: The PSA configuration file is incorrectly formatted for the stopping procedure.
 The character string in (file-name: line = line-number) is too long.
 %s4=Number (1 to 3 digits)
Corrective action: Contact your Fujitsu certified service engineer.
Severity: Error
Action: (// /S)

- 00133 file format err**
(/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):out of section
- Description: The PSA configuration file is incorrectly formatted for the stopping procedure.
The data in (file-name: line = line-number) is outside a section.
%s4=Number (1 to 3 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)
-
- 00134 file format err**
(/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):bad section
- Description: The PSA configuration file is incorrectly formatted for the stopping procedure.
The section format in (file-name: line = line-number) is incorrect.
%s4=Number (1 to 3 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)
-
- 00135 file read err (/etc/opt/FJSVpsa/global/pmpsa.conf):not enough memory**
- Description: The size of memory required for the PSA stop procedure cannot be allocated.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)

- 00136** **file format err (/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):section name overlaps**
- Description: The PSA configuration file is incorrectly formatted for the stopping procedure.
The same section name was detected in (file-name: line = line-number).
%s4=Number (1 to 3 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)
-
- 00137** **file format err (/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):bad member**
- Description: The PSA configuration file is incorrectly formatted for the stopping procedure.
The member format in (file-name: line = line-number) is incorrect.
%s4=Number (1 to 3 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)
-
- 00138** **file format err (/etc/opt/FJSVpsa/global/pmpsa.conf:line=%s4):member name overlaps**
- Description: The PSA configuration file is incorrectly formatted for the stopping procedure.
The same member name was detected in (file-name: line = line-number).
%s4=Number (1 to 3 digits)
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)

**00139 file read err (/etc/opt/FJSVpsa/global/pmpsa.conf)
%s5:%s4:system error**

Description: An error occurred in read processing of the PSA configuration file during the PSA stop procedure.
 %s4= Number (1 to 3 digits)
 %s5= Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

**00140 file format err (/etc/opt/FJSVpsa/global/pmpsa.conf)
%s5:%s4 :no member**

Description: A file used for the PSA stop procedure has an incorrect format.
 A necessary member was not found in (file-name).
 %s4= Number (1 to 3 digits)
 %s5= Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

00141 cmd_path length over

Description: The path of a command for the PSA stop procedure is too long.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

00142 cmd_path disconnected [%s1:%s2] %s1:%s4

Description: The command path used for the PSA stop procedure was disconnected.

%s1=Number (1 digit)

%s2=Number (2 to 4 digits)

%s4=Number (1 to 3 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

**00143 target process does not exist [%s1:%s2]
(/etc/opt/FJSVpsa/global/pmpsa.conf)**

Description: A process to be stopped in the PSA stop procedure was not found.

%s1=Number (1 digit)

%s2=Number (2 to 4 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

**00399 (%s1-%s2) Process Manager Down:Err
(i_err=%s4, os_err=%s5, detail(1=%s5, 2=%s5, 3=%s5))**

Description: The PSA process manager failed.

%s1=Number (1 digit)

%s2=Number (2 to 4 digits)

%s4=Number (1 to 3 digits)

%s5=Number (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

00502 MMB connected

Description: A connection for communication with the MMB was established.

Corrective action: None required.

Severity: Info

Action: (// /S)

00503 MMB disconnected

Description: A connection for communication with the MMB was terminated.

Corrective action: This message is displayed when the partition load is high or the MMB has an error. Check the status of the partition and MMB. If connection and disconnection are frequently repeated, download the system event logs of the MMB and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (// /S)

00504 MMB connection failed

Description: System operation was degraded since no connection to the MMB could be established. Another connection attempt is being made.

Corrective action: Check the IP address setting of the management LAN. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (// /S)

00514 MMB already connected [Connected time=%s]

Description: The output of messages 00502 and 00503 are suppressed for a given period of time after message 00503 is output. After the period of the suppression elapses, connection with the MMB is established for communication.

%s= Time when the MMB was last connected to
(format: yyyy/mm/dd HH:MM:SS)

Corrective action: None required.

Severity: Info

Action: (// /S)

00515 Partition IP address of Management LAN is not found

Description: No IP address for the management LAN is specified in the partition.

Corrective action: Check the IP address of the management LAN. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (// /S)

01190 setting error (%1)

Description: Preparatory processing for setting PANIC for the system state on MMB at OS hang failed.

%1 = Numeric value (1 to 8 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (///S)

01191 configuration file error (%1,%2)

Description: The file contains a coding error related to the Software Watchdog timer setting at OS hang. The setting is invalid (the Software Watchdog timer is stopped).
 %1 = File name (character string) (full path)
 %2 = Detail error code (4 digits)

1176: Invalid setting file. Check whether a setting file exists, or check the file format.

1177: Invalid value. Check the specified value.

1178: Out-of-range value. Check the permissible range of the specified value.

1179: Section/member is missing. Check whether the section/member definition is correct.

Corrective action: Check the setting file. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (///S)

02700 initialization failed

Description: Initialization failed.

Corrective action: Check whether the user is logged in as super user and whether PSA is installed correctly. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (///S)

02701 version file read error

Description: Reading the version failed.

Corrective action: Check whether the user is logged in as super user and whether PSA is installed correctly. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (///S)

02702 version file format error

Description: A version information format error was detected.

Corrective action: Check whether PSA is installed correctly. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

02703 internal error

Description: An internal contradiction occurred.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

02704 updating filter file

Description: The filter is to be updated to another version.

Corrective action: None required.

Severity: Info

Action: (// /S)

02705 unnecessary to update filter file

Description: The filter need not be updated to another version.

Corrective action: None required.

Severity: Info

Action: (// /S)

02706 directory doesn't exist

Description: The specified directory does not exist.

Corrective action: Specify the correct directory.

Severity: Error

Action: (// /S)

02707 failed to update filter file

Description: The filter update did not complete normally.

Corrective action: Check whether the user is logged in as the super user and whether PSA is installed correctly. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

02708 normally end

Description: The filter update completed normally.

Corrective action: None required.

Severity: Info

Action: (/ / /S)

02709 failed to update filter file

Description: The filter update did not complete normally.

Corrective action: Check whether the user is logged in as super user and whether PSA is installed correctly. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

02716 illegal version

Description: The specified version number is outside the applicable range.

Corrective action: The provided file definition is suspected to be incorrect. Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

02717 illegal version

Description: The specified version number is incorrect.

Corrective action: The provided file definition is suspected to be incorrect.
 Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

02718 cannot update filter file

Description: The filter cannot be updated since PSA is operating.

Corrective action: Stop PSA, and then re-execute the operation. If the
 problem persists, contact your Fujitsu certified service
 engineer.

Severity: Error

Action: (/ / /S)

02800 Could not load %s1:%s2

Description: Loading (modprobe) of the driver required for PSA
 processing failed.
 %s1=Name of the driver (sg or mptctl) that could not be
 loaded
 %s2=Return value of modprobe

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ / /S)

02801 Initialization Error %s1:%s2

Description: SDR/FRU reading failed during PSA initialization.
 %s1 = Number (1 digit)
 %s2 = Number (3 digits)

Corrective action: Download MMB system event logs, collect PSA
 investigation materials (getopsa), and contact your
 Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

04004 starting timeout (%1)

Description: A timeout was detected during PSA activation.
 %1= String (1 to 256 characters)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ / /S)

04005 Start failed :stop request (%1) [%2:%3]

Description: A service stop request was received during PSA startup.
 %1= String (1 to 256 characters)
 %2= Number (1 or 2 digits)
 %3= Number (1 to 4 digits)

Corrective action: None required.

Severity: Info

Action: (/ / /S)

04006 startup succeeded (%1)

Description: PSA started successfully.
 %1= String (1 to 256 characters)

Corrective action: Not required.

Severity: Info

Action: (/ / /S)

04007 Start failed: cannot execute process (%1) [%2:%3] %4

Description: An abnormality occurred during PSA process
 activation.
 %1= String (1 to 256 characters)
 %2= Number (1 to 2 digits)
 %3= Number (1 to 4 digits)
 %4= Number (1 to 10 digits)

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

04008 cannot open file (%1)

Description: The PSA definition file cannot be opened.
 %1= String (1 to 256 characters)

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

04009 file read err (%1): not enough memory

Description: Sufficient memory for PSA operation cannot be
 allocated.
 %1=String (1 to 256 characters)

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

04010 Start failed (%1): configure error [%2:%3] %4

Description: An abnormal setting was detected in the PSA definition
 file.
 %1= String (1 to 256 characters)
 %2= Number (1 to 2 digits)
 %3= Number (1 to 4 digits)
 %4= Number (1 to 10 digits)

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

04011 Start failed (%1) %2:%3:child process was stopped

Description: An abnormal setting was detected in the PSA definition
 file.
 %1= String (1 to 256 characters)
 %2= Number (1 digit)
 %3= Number (1 to 10 digits in hexadecimal notation)

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

04012 lib call err [%1:%2] %3,%4,%5,%6,%7,%8

Description: An error occurred when a library required for starting PSA was called.

 %1= Number (1 to 2 digits)

 %2= Number (1 to 4 digits)

 %3= Number (1 to 10 digits)

 %4= Number (1 to 3 digits)

 %5= Number (1 to 10 digits)

 %6= Number (1 to 10 digits)

 %7= Number (1 to 10 digits)

 %8= Number (1 to 10 digits)

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

04013 cannot change directory %1:%2

Description: PSA failed in an operation to switch to a work directory.

 %1= Number (1 to 10 digits)

 %2= Number (1 to 10 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

04018 child process abnormal end [%1:%2] (%3) %4:%5

Description: A child process terminated abnormally.

 %1= String (1 to 256 characters)

 %2= Number (1 digit)

 %3= String (1 to 10 digits in hexadecimal notation)

 %4= Number (1 or 2 digits)

 %5= Number (1 to 4 digits)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

04019 service was started

Description: The PSA service has started.

Corrective action: Not required.

Severity: Info

Action: (/ / /S)

04020 service was stopped

Description: The PSA service has stopped.

Corrective action: Not required.

Severity: Info

Action: (/ / /S)

04100 Driver start

Description: The driver started normally.

Corrective action: Not required.

Severity: Info

Action: (/ / /S)

04111 KCS Interface Error port error or not exist

Description: The cause is probably one of the following:

- The reset process included in initialization ended abnormally.
- The port status does not become normal.
- The interface has been disconnected.

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / /S)

04112 BMC connect check ERROR END(not connect)

Description: The cause is probably one of the following:

- The reset process included in initialization ended abnormally.
- The port status does not become normal.
- A processing timeout occurred.
- The BMC been disconnected.

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

04114 BMC REQUEST CONNECT ERROR (time out)

Description: Processing of a communication request from an upper layer encountered a timeout. If it does not end within the specified time, the processing is aborted.

Corrective action: Contact your Fujitsu certified engineer.

Severity: Warning

Action: (// /S)

04115 BMC REQUEST CONNECT ERROR (status error)

Description: A communication error occurred during processing of a communication request from an upper layer. The port status does not become normal.

Corrective action: Contact your Fujitsu certified engineer.

Severity: Warning

Action: (// /S)

04116 ERROR GET MEMEORY

Description: Allocation of memory space for initialization ended abnormally.

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

04117 ABEND SYSTEM REQUEST

Description: An OS driver function ended abnormally during initialization.

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

04131 RECVD ABNORMAL Message

Description: Since the reply message that arrived does not correspond to the request command, the reply data will be discarded.

Corrective action: Not required.

Severity: Info

Action: (// /S)

04132 RECVD ABNORMAL Message

Description: An abnormal event was received.

Corrective action: Not required.

Severity: Info

Action: (// /S)

04133 RECVD ABNORMAL PreTimeout Event

Description: An abnormal event was received.

Corrective action: Not required.

Severity: Info

Action: (// /S)

04151 RECVD DATA ERROR(size error or checksum error)

Description: An abnormality was detected in the received data.

Corrective action: Contact your Fujitsu certified engineer.

Severity: Warning

Action: (// /S)

04412 Initialization Error %s1

Description: SDR/FRU reading failed during PSA initialization.
 %s1 = Number (4 digits)

Corrective action: Download MMB system event log, collect PSA investigation materials (getopsa), and contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / /S)

04500 %s1 Not Installed (status=20)

Description: The system detected that the power supply is not made an optional redundant in the extended file unit .
 %s1 = Linux: Device /dev/sgx of Enclosure
 Windows: SCSI port Device\scsih

Corrective action: Required only when the power supply must be made redundant

Severity: Info

Action: (///S)

04530 %s1 The file unit which has the same cabinet ID was detected (ID=%X)

Description: As a device with the same cabinet ID was detected in the extended file unit, the device connected to %s1 cannot be monitored.

%s1 = Linux: Device/dev/sgx of Enclosure

 Windows: SCSI port Device\scsih

%X = Cabinet ID

Corrective action: Make settings such that the cabinet ID is not duplicated.

Severity: Warning

Action: (///S)

04531 %s1 Detected failure on the fan (status=%x)

Description: A FAN error in the extended file unit was detected .
 %s1 = Linux: Device/dev/sgx of Enclosure
 Windows: SCSI port Device\scsih
 %x = FAN#x status

Corrective action: Replace the FAN.

Severity: Warning

Action: (///S)

04532 %s1 Detected failure on the power supply unit (status=%x)

Description: A power supply unit error in the extended file unit was
 detected.
 %s1 = Linux: Device/dev/sgx of Enclosure
 Windows: SCSI port Device\scsih
 %x = PSU#x status

Corrective action: Replace the power supply unit.

Severity: Warning

Action: (///S)

04533 %s1 Not Installed (status=02)

Description: The system detected that no FAN is installed in the
 extended file unit .
 %s1 = Linux: Device/dev/sgx of Enclosure
 Windows: SCSI port Device\scsih

Corrective action: Install the FAN.

Severity: Warning

Action: (///S)

04534 %s1 Not Installed (status=20)

Description: The system detected that no power supply unit is installed in the extended file unit .

 %s1 = Linux: Device/dev/sgx of Enclosure

 Windows: SCSI port Device\scsih

Corrective action: Install the power supply unit.

Severity: Warning

Action: (///S)

04535 %s1 Enclosure access failed

Description: Enclosure (SAF-TE controller) access failed.

 %s1 = Linux: Device/dev/sgx of Enclosure

 Windows: SCSI port Device\scsih

Corrective action: Check whether the SCSI cable is normally functional and the device power is OFF. If no problems are found, the SAF-TE controller may be defective. Replace the SCSI module.

Severity: Warning

Action: (///S)

04536 Can not get enclosure device information from WMI (0x%s)

Description: The newly added device is not recognized at the first OS boot following device addition (Windows only)

Corrective action: Reboot the OS.

 %s = error code

Severity: Warning

Action: (///S)

04537 %d: Can not get bus no : %s

Explanation: The bus number of the controller of an expansion file unit could not be acquired.
 %d = Linux: Enclosure device /dev/sgx
 Windows: SCSI port Device\scsih
 %s detailed information

Corrective action: A device added at OS boot time is likely to be unknown to the OS.
 Restart PSA. If a problem recurs, reboot the OS.

Severity: Warning

Action: (///s)

04538 %d: Can not get cabinet ID : %s

Explanation: The cabinet ID of an expansion file unit could not be acquired.
 %d = Linux: Enclosure device /dev/sgx
 Windows: SCSI port Device\scsih
 %s detailed information

Corrective action: Check for SCSI cable faults, device power outage, and other abnormalities.
 If no problems are detected, the SAF-TE controller may be at fault. Replace the SCSI module.

Severity: Warning

Action: (///s)

04560 Can not execute. Already working.

Description: The monitoring function of the extended file unit did not complete operation within the preset interval and was started more than once.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (///S)

05304 FJSVfefpcl driver open error

Explanation: ioctl for fefpcl failed or the fefpcl status is abnormal, and an error was posted as the result of ioctl.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (///S)

05380 configuration file error (%1,%2)

Description: The definition file related to the setting of the half-down/full-down detection threshold of the PRIMECLUSTER linkage function is missing or contains a coding error. The default value is used for operation.

%1 = File name (character string) (full path)

%2 = Detail error code (4 digits)

5408: Invalid setting file. Check whether a setting file exists, or check the file format.

5409: Section/member is missing. Check whether the section/member definition is correct.

5410: Invalid magnitude correlation between members. Check the magnitude correlation between the specified values.

5411: Invalid value. Check the specified value.

5412: Out-of-range value. Check the permissible range of the specified value.

Corrective action: Check the setting file. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (///S)

05402 FJSVfefpcl is not installed

Explanation: The fefpcl drive is not installed.

Corrective action: If the drive is not installed, install it. If the driver is already installed, or if the problem persists even after the driver is installed, contact your Fujitsu certified service engineer.

Severity: Info

Action: (///S)

06136 detected WMI Error on %s1. HRESULT=0x%X CLASSID=%d PROPERTY=%s2.

Description: A correctable error was detected in WMI.
%s1 = Event type
"IEnumWbemClassObject::Next",
"IWbemClassObject::Get", etc.
%X = Result of HRESULT (8004100C, etc.)
%d = ID that specifies the WMI class managed by PSA
%s2 = Property name
"DeviceID," "DeviceClass," etc.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (// /S)

06297 cios %s1 hotplug event %s2 hasn't set

Description: A hotplug event was received, but data required is not set as an environment variable.
%s1=pci or scsi
%s2=environment variable name

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (// /S)

06298 cios %s1 hotplug event %s2 doesn't correct. data:%s3

Description: A hotplug event was received, but the required data passed as an environment variable is not in the correct format.

 %s1=pci or scsi

 %s2=environment variable name

 %s3=environment variable value format

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ / /S)

06299 cios can't accept %s1 hotplug event. data:%s2

Description: A file required for hotplug processing cannot be created.

 %s1=pci or scsi

 %s2=name of the file that needed to be created

Corrective action: The last time the OS was shut down, there may be cases where this message is output because the PSA terminated abnormally owing to a panic and the like. In such case, no corrective action is required. If this occurs during system operation, however, contact a Fujitsu certified service engineer.

Severity: Warning

Action: (/ / /S)

-
- 06401 detected WMI Error(WBEM_E_SHUTTING_DOWN) on %s1.
HRESULT=0x%X CLASSID=%d PROPERTY=%s2.**
- Description: A shutdown occurred in WMI.
 %s1 = Event type
 "IEnumWbemClassObject::Next",
 "IWbemClassObject::Get", etc.
 %X = Result of HRESULT (80041033, etc.)
 %d = ID that specifies the WMI class managed by PSA
 %s2 = Property name
 "DeviceID," "DeviceClass," etc.
- Corrective action: Referring to PSA Readme, change the upper limit of the
 WMI usable amount of resources
 (_ProviderHostQuotaConfiguration).
- Severity: Error
- Action: (// /S)
-
- 06402 detected WMI Error on %s1. HRESULT=0x%X CLASSID=%d
PROPERTY=%s2.**
- Description: An error occurred in WMI.
 %s1 = Event type
 "IEnumWbemClassObject::Next",
 "IWbemClassObject::Get", etc.
 %X = Result of HRESULT (8004100C, etc.)
 %d = ID that specifies the WMI class managed by PSA
 %s2 = Property name
 "DeviceID," "DeviceClass," etc.
- Corrective action: Contact your Fujitsu certified service engineer
- Severity: Warning
- Action: (// /S)

07401 Error Recovery [%s1:%s2]

Description: Recovery of the IPMI driver of PSA from a driver error is completed.

 %s1=Number (1 to 2 digits)

 %s2=Number (2 to 5 digits)

Corrective action: None required.

Severity: Info

Action: (/ / S)

07402 MMB ERROR (Response Timeout) [%s1:%s2] [%s2:%s2] [%s2:%s2] %s3,%s2,%s2,%s3,%s3

Description: A timeout occurred in the IPMI driver of PSA during the wait to receive an MMB response. The MMB is suspected to be faulty.

 %s1=Number (1 to 2 digits)

 %s2=Number (2 to 5 digits)

 %s3=Number (8 digits in hexadecimal notation)

Corrective action: Download the system event logs of the MMB and contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

07403 PEF Configuration got lost [%s1:%s1] [%s1:%s1]

Description: The PEF configuration of the IPMI driver of PSA has been lost. The information that should be written to the MMB has been lost. The MMB is suspected to be faulty.

 %s1=Number (1 to 2 digits)

Corrective action: Download the system event logs of the MMB and contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ / S)

07404 MMB ERROR(IOCTL Error)
[%s1:%s2] [%s2:%s2] [%s2:%s2] %s3,%s2,%s2,%s3,%s3

Description: IOCTL returned with an error in the IPMI driver of PSA. The MMB or BMC is suspected to be faulty.
 %s1=Number (1 to 2 digits)
 %s2=Number (2 to 5 digits)
 %s3=Number (8 digits in hexadecimal notation)

Corrective action: Download the system event logs of the MMB and contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

07405 BMC ERROR(Response Timeout)
[%s1:%s2] [%s2:%s2] [%s2:%s2] %s3,%s2,%s2,%s3,%s3

Description: A timeout was detected by the IPMI driver of PSA during the wait to receive a BMC response. The BMC is suspected to be faulty.
 %s1=Number (1 to 2 digits)
 %s2=Number (2 to 5 digits)
 %s3=Number (8 digits in hexadecimal notation)

Corrective action: Download the system event logs of the MMB and contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

07406 MMB VERSION ERROR [%s1:%s1] [%s1:%s1] [%s1:%s1]
%s2,%s2,%s2,%s2,%s2,%s2, %s2, %s2

Description: An unsupported MMB firmware version was detected.
 %s1=Number (1 to 10 digits)
 %s2=Number (8 digits in hexadecimal notation)

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (// /S)

- 07412 MMB ERROR(Retry Over) [%s1:%s1] [%s1:%s1] [%s1:%s1] %s2,%s2,%s1,%s1,%s1,%s1,%s1**
- Description: A timeout was detected by the IPMI driver of the PSA during the wait to receive a MMB response. The MMB may be faulty.
 %s1=Number (1 to 10 digits)
 %s2=Number (8 digits in hexadecimal notation)
- Corrective action: Download the system event logs of the MMB and contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)
-
- 07414 MMB ERROR(System Error) [%s1:%s1] [%s1:%s1] [%s1:%s1] %s2,%s2,%s1,%s1,%s1,%s1,%s1**
- Description: IOCTL returned with an error in the IPMI driver of the PSA. The MMB or BMC may be faulty.
 %s1=Number (1 to 10 digits)
 %s2=Number (8 digits in hexadecimal notation)
- Corrective action: Download the system event logs of the MMB and contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)
-
- 07415 BMC ERROR(Response Timeout) [%s1:%s1] [%s1:%s1] [%s1:%s1] %s2,%s2,%s1,%s1,%s1,%s1,%s1**
- Description: A timeout was detected by the IPMI driver of the PSA during the wait to receive a BMC response. The BMC may be faulty.
 %s1=Number (1 to 10 digits)
 %s2=Number (8 digits in hexadecimal notation)
- Corrective action: Download the system event logs of the MMB and contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (// /S)

08001 [Comment] Adding %s1 to this partition(%s2,%s3)

Description: The specified unit is being added to the partition.

%s1 = Added/spare unit name (example: SB#1A)

%s2 = Number (decimal)

%s3 = Number (decimal)

Corrective action: Not required

Severity: Info

Action: (// /S)

08002 [Comment] Copying and moving the resource from %s1 to %s2(%s3,%s4)

Description: The resource is being copied from the unit being replaced to the spare unit.

%s1 = Replacement target unit name (example: SB#1)

%s2 = Spare unit name (example: SB#2)

%s3 = Number (decimal)

%s4 = Number (decimal)

Corrective action: Not required

Severity: Info

Action: (// /S)

08003 [Comment] Removing %s1 from this partition(%s2,%s3)

Description: The replacement target unit is being disconnected from the partition.

%s1 = Replacement target unit name (example: SB#3)

%s2 = Number (decimal)

%s3 = Number (decimal)

Corrective action: Not required

Severity: Info

Action: (// /S)

08004 [Comment] Adding of %s1 to this partition is completed(%s2,%s3)

Description: Unit Hot-Add is completed.
 %s1 = Added unit name (example: SB#4B)
 %s2 = Number (decimal)
 %s3 = Number (decimal)

Corrective action: Not required

Severity: Info

Action: (/ / S)

08005 [Comment] Replacing of %s1 by %s2 is completed(%s3,%s4)

Description: Unit Hot-Replace is completed.
 %s1 = Replacement target unit name (example: SB#5)
 %s2 = Spare unit name (example: SB#6)
 %s3 = Number (decimal)
 %s4 = Number (decimal)

Corrective action: Not required

Severity: Info

Action: (/ / S)

09100 (%1-%2)System Status is changed in the "OS Running": succeeded

Description: The system status has changed.
 %1: decimal
 %2: decimal

Corrective action: Not required.

Severity: Info

Action: (/ / S)

09101 (%1-%2)System Status is changed in the "OS Running": %s %d

Description: Changing the system status failed.
 %1: decimal
 %2: decimal
 %s="system error" (at system error occurrence)
 "retry over" (at retry over)
 "request error" (at response error occurrence)
 "timeout" (at timeout)
 "failed" (at failure)
 %d: decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Warning

Action: (/ / S)

09110 (%1-%2)initialization of a library () failed : err(i_err=%d, os_err=%d, detail(1=%d, 2=%d, 3=%d))

Description: Initialization encountered an abnormality.
 %1: decimal
 %2: decimal
 %d: decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / S)

09111 (%1-%2)file %a error(%s) failed : err(i_err=%d, os_err=%d, detail(1=%d, 2=%d, 3=%d))

Description: An error occurred during file processing
%1: decimal
%2: decimal
%a: open or read or close
%s: string
%d: decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

09120 (%1-%2)System Error() failed : err=%d

Description: An error occurred in a Windows API call.
%1: decimal
%2: decimal
%d: decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

09130 (%1-%2)System Error.

Description: An error occurred during Service Manager processing.
%1: decimal
%2: decimal

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (// /S)

09131 (%1-%2) path went wrong. (%s)

Description: Initialization encountered an abnormality.
 %1: decimal
 %2: decimal
 %s: string

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / S)

09132 (%1-%2) change of a directory went wrong. : %s

Description: Initialization encountered an abnormality.
 %1: decimal
 %2: decimal
 %s: string

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / S)

**09133 (%1-%2) initialization of a log went wrong. (%s, %s) :
err(i_err=%d, os_err=%d, detail(1=%d, 2=%d, 3=%d))**

Description: Initialization encountered an abnormality.
 %1: decimal
 %2: decimal
 %d: decimal
 %s: string

Corrective action: Contact your Fujitsu certified engineer.

Severity: Error

Action: (/ / S)

09990 error occurred (ipmi command failed)

Description: Event 07412 was reported.

Corrective action: Take the corrective action for event 07412.

Severity: Error

Action: (R/M/T/S)

09991 error occurred (ipmi command failed)

Description: Event 07415 was reported.

Corrective action: Take the corrective action for event 07415.

Severity: Error

Action: (R/M/T/S)

09992 error occurred (ipmi command failed)

Description: Event 07414 was reported.

Corrective action: Take the corrective action for event 07414.

Severity: Error

Action: (R/M/T/S)

09993 Management LAN disconnected

Description: Event 00503 was reported.

Corrective action: Take the corrective action for event 00503.

Severity: Error

Action: (R/M/T/S)

3.2.2 SAL messages (10000 to 10431)**10000 The correctable error exceeded the threshold model=%m
stepping=%stp**

Description: The occurrence count of correctable errors in a CPU
exceeded the threshold value.

%m: Example Intel(R) Itanium(R) 2 Processor
 1.50 GHz with 6MB L3 Cache

%stp: Example B2

Details on REMCS notification:

VALIDATION_Bits=0xxxxxxxxxxxxxxxxnnnn

FILEPATH=/var/opt/FJSVpsa/log/sallog/cmc/

log_file_name

(The log file indicated by FILEPATH is sent as an
attachment to the notification)

Corrective action: The CPU needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10100**The correctable error (1-bit error) exceeded the threshold
part-no=%p serial-no=%ser**

Description: The occurrence count of correctable errors (1-bit error) in a DIMM exceeded the threshold value.

%p: Example EBE10RD4ABFA-5C

%ser: Example A123456F

Details on REMCS notification:

MEM_PHYSICAL_ADDR=0xxxxxxxxxxxxxxxxnnnn

MEM_PHYSICAL_ADDR_MASK=0xxxxxxxxxxxxxxxxnnnn

MEM_NODE(SB No)=nn

MEM_CARD(LDX No)=nn

MEM_MODULE(RECMEM-Rank)=nn

MEM_BANK(RECMEM-Bank)=nn

MEM_DEVICE(RECMEM-Channel&Slot)=nn

MEM_ROW(RECMEM-Row)=0xnn

MEM_COLUMN(RECMEM-Column)=0xnn

MEM_BIT_POSITION(RECMEM_Bit_Position)=nn

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The DIMM needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10200 The uncorrectable error (2-bit error) exceeded the threshold
part-no=%p serial-no=%ser**

Description: The occurrence count of uncorrectable errors (2-bit error) in a DIMM in mirrored operation exceeded the threshold value.
 %p: Example EBE10RD4ABFA-5C
 %ser: Example A123456F
 Details on REMCS notification:
 MEM_PHYSICAL_ADDR=0xxxxxxxxxxxxxxxxxxxx
 MEM_PHYSICAL_ADDR_MASK=0xxxxxxxxxxxxxxxx
 nnnn
 MEM_NODE(SB No)=nn
 MEM_CARD(LDX No)=nn
 MEM_MODULE(RECMEM-Rank)=nn
 MEM_BANK(RECMEM-Bank)=nn
 MEM_DEVICE(RECMEM-Channel&Slot)=nn
 MEM_ROW(RECMEM-Row)=0xnn
 MEM_COLUMN(RECMEM-Column)=0xnn
 MEM_BIT_POSITION(RECMEM_Bit_Position)=nn
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an
 attachment to the notification)

Corrective action: The relevant DIMM set (two DIMMs) needs to be
 replaced. Contact your Fujitsu certified service
 engineer.

Severity: Warning

Action: (R/M/T/S)

10300 **The correctable error exceeded the threshold part-no=%p serial-no=%ser**

Description: The occurrence count of correctable errors in a chipset (FLN) mounted on an SB exceeded the threshold value.
 %p: Example CA06501-D102
 %ser: Example PP0452G720
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10310 **The correctable error exceeded the threshold part-no=%p serial-no=%ser**

Description: The occurrence count of correctable errors in a chipset (LDX#0) mounted on an SB exceeded the threshold value.
 %p: Example CA06501-D102
 %ser: Example PP0452G720
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10311 The correctable error exceeded the threshold part-no=%p
serial-no=%ser**

Description: The occurrence count of correctable errors in a chipset (LDX#1) mounted on an SB exceeded the threshold value.

%p: Example CA06501-D102

%ser: Example PP0452G720

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10312 The correctable error exceeded the threshold part-no=%p
serial-no=%ser**

Description: The occurrence count of correctable errors in a chipset (LDX#2) mounted on an SB exceeded the threshold value.

%p: Example CA06501-D102

%ser: Example PP0452G720

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10313 **The correctable error exceeded the threshold part-no=%p serial-no=%ser**

Description: The occurrence count of correctable errors in a chipset (LDX#3) mounted on an SB exceeded the threshold value.
 %p: Example CA06501-D102
 %ser: Example PP0452G720
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10320 **The correctable error exceeded the threshold part-no=%p serial-no=%ser**

Description: The occurrence count of correctable transmission errors between chipsets (FLN to GAC#0) exceeded the threshold value.
 %p: Example CA06501-D102
 %ser: Example PP0452G720
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB, the first component suspected to be faulty, or XAI#0, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 10321 The correctable error exceeded the threshold part-no=%p serial-no=%ser**
- Description: The occurrence count of correctable transmission errors between chipsets (FLN to GAC#1) exceeded the threshold value.
 %p: Example CA06501-D102
 %ser: Example PP0452G720
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)
- Corrective action: The SB, the first component suspected to be faulty, or XAI#1, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 10330 The correctable error exceeded the threshold part-no=%p serial-no=%ser**
- Description: The occurrence count of correctable transmission errors between chipsets (LDX#0 to GDX#0) exceeded the threshold value.
 %p: Example CA06501-D102
 %ser: Example PP0452G720
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)
- Corrective action: The SB, the first component suspected to be faulty, or XDI#0, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

10331 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable transmission errors between chipsets (LDX#1 to GDX#1) exceeded the threshold value.

%p: Example CA06501-D102

%ser: Example PP0452G720

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB, the first component suspected to be faulty, or XDI#1, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10332 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable transmission errors between chipsets (LDX#2 to GDX#2) exceeded the threshold value.

%p: Example CA06501-D102

%ser: Example PP0452G720

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB, the first component suspected to be faulty, or XDI#2, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10333 The correctable error exceeded the threshold part-no=%p
serial-no=%ser**

Description: The occurrence count of correctable transmission errors between chipsets (LDX#3 to GDX#3) exceeded the threshold value.

%p: Example CA06501-D102

%ser: Example PP0452G720

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB, the first component suspected to be faulty, or XDI#3, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10334 The correctable error exceeded the threshold part-no=%p
serial-no=%ser**

Description: The occurrence count of correctable transmission errors between chipsets (LDX#1 to GDX#0) exceeded the threshold value. (applicable only to PRIMEQUEST 520A/520/420)

%p: Example CA06501-D102

%ser: Example PP0452G720

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB, the first component suspected to be faulty, or BPS, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10335 The correctable error exceeded the threshold part-no=%p
serial-no=%ser**

Description: The occurrence count of correctable transmission errors between chipsets (LDX#2 to GDX#1) exceeded the threshold value. (applicable only to PRIMEQUEST 520A/520/420)

%p: Example CA06501-D102

%ser: Example PP0452G720

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB, the first component suspected to be faulty, or BPS, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10336 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable transmission errors between chipsets (LDX#3 to GDX#1) exceeded the threshold value. (applicable only to PRIMEQUEST 520A/520/420)
 %p: Example CA06501-D102
 %ser: Example PP0452G720
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The SB, the first component suspected to be faulty, or BPS, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10400 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable errors in a chipset (FLI) mounted in an IO Unit exceeded the threshold value.
 %p: Example CA06501-D112
 %ser: Example PP0452G721
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10410 The correctable error exceeded the threshold part-no=%p
serial-no=%ser**

Description: The occurrence count of correctable errors in a chipset (FLP#0) mounted in an IO Unit exceeded the threshold value.

%p: Example CA06501-D112

%ser: Example PP0452G721

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/

log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**10411 The correctable error exceeded the threshold part-no=%p
serial-no=%ser**

Description: The occurrence count of correctable errors in a chipset (FLP#1) mounted in an IO Unit exceeded the threshold value.

%p: Example CA06501-D112

%ser: Example PP0452G721

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/

log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The IO Unit needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10420 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable transmission errors between chipsets (FLI to GDX#0) exceeded the threshold value.

%p: Example CA06501-D112

%ser: Example PP0452G721

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The IO Unit, the first component suspected to be faulty, or XDI#0, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10421 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable transmission errors between chipsets (FLI to GDX#1) exceeded the threshold value.

%p: Example CA06501-D112

%ser: Example PP0452G721

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The IO Unit, the first component suspected to be faulty, or XDI#1, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10422 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable transmission errors between chipsets (FLI to GDX#2) exceeded the threshold value.

%p: Example CA06501-D112

%ser: Example PP0452G721

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The IO Unit, the first component suspected to be faulty, or XDI#2, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

10423 The correctable error exceeded the threshold part-no=%p serial-no=%ser

Description: The occurrence count of correctable transmission errors between chipsets (FLI to GDX#3) exceeded the threshold value.

%p: Example CA06501-D112

%ser: Example PP0452G721

Details on REMCS notification:

FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
log_file_name

(The log file indicated by FILEPATH is sent as an attachment to the notification)

Corrective action: The IO Unit, the first component suspected to be faulty, or XDI#3, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

-
- 10430 The correctable error exceeded the threshold part-no=%p serial-no=%ser**
- Description: The occurrence count of correctable transmission errors between chipsets (FLI to GAC#0) exceeded the threshold value.
 %p: Example CA06501-D112
 %ser: Example PP0452G721
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)
- Corrective action: The IO Unit, the first component suspected to be faulty, or XAI#0, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 10431 The correctable error exceeded the threshold part-no=%p serial-no=%ser**
- Description: The occurrence count of correctable transmission errors between chipsets (FLI to GAC#1) exceeded the threshold value.
 %p: Example CA06501-D112
 %ser: Example PP0452G721
 Details on REMCS notification:
 FILEPATH=/var/opt/FJSVpsa/log/sallog/cpe/
 log_file_name
 (The log file indicated by FILEPATH is sent as an attachment to the notification)
- Corrective action: The IO Unit, the first component suspected to be faulty, or XAI#1, the second component suspected to be faulty, needs to be replaced. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

3.2.3 SMART message (10500)

10500 Failure Prediction Threshold Exceeded vendor=%v model=%m serial-no=%ser

Description: The threshold value was exceeded in SMART operation.
 %v: Example FUJITSU
 %m: Example MAP3367NC
 %ser: Example 01234567
 Details on REMCS notification: ASC=0xnn
 ASCQ=0xnn

Corrective action: The disk unit needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

3.2.4 LAN driver messages (11000 to 11554)

11000 ethx Transmit timed out vendor-id=%vi device-id=%d revision=%r

Description: A transmission timeout occurred.
 (The timeout time is two seconds for e100/bcm5700 and
 five seconds for e1000.)
 %vi: For e100/e1000 8086
 For bcm5700 14E4
 %d: Example for e100/e1000 1209
 Example for bcm5700 16A8
 %r: Number (1 to 3 digits)

Corrective action: Check whether communication is possible through the machine that output this message. If so, no action is needed. If communication is not possible, replace the BMM with built-in e100 after collecting evidence (e.g., dumps, logs).

Severity: Error

Action: (R/M/T/S)

3.2.4.1 e100-related messages

11100	e100:xxxx:xx:xx.x Adapter or Software error (probe failed)
Description:	Adapter initialization failed.
Corrective action:	Take the corrective action described in the message displayed immediately prior to this message (any of messages 11101 to 11113). If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)
11101	e100:ethx Adapter error (self_test failed) vendor-id=8086 device-id=%d revision=%r
Description:	The self-diagnostic test failed. %d: Example 1209 %r: Number (1 to 3 digits)
Corrective action:	The built-in e100 in the BMM is probably faulty. Replace the BMM. If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(R/M/T/S)
11102	e100:ethx Adapter error (self_test failed:timeout) vendor-id=8086 device-id=%d revision=%r
Description:	The self-diagnostic test failed because of a timeout. %d: Example 1209 %r: Number (1 to 3 digits)
Corrective action:	The built-in e100 in the BMM is probably faulty. Replace the BMM. If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(R/M/T/S)

- 11103 e100:xxxx:xx:xx.x Adapter error (EEPROM corrupted)
vendor-id=8086 device-id=%d revision=%r**
- Description: An EEPROM check sum error was detected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: The built-in e100 in the BMM is probably faulty.
 Replace the BMM. If the problem persists, contact your
 Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11104 e100:xxxx:xx:xx.x Adapter error or Software error (Cannot
open interface; aborting)**
- Description: Activation of the network interface failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your
 Fujitsu certified service engineer to conduct an
 inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11105 e100:xxxx:xx:xx.x Software error (Etherdev alloc failed;
abort)**
- Description: Allocation for a network device structure failed.
- Corrective action: Check the validity of memory estimation done by the
 system. If no problem is found in the memory
 estimation, restart the system. If the problem persists
 after the system restart, collect evidence (e.g., dumps,
 logs). If the problem persists, contact your Fujitsu
 certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 11106 e100:xxxx:xx:xx.x Software error (Cannot enable PCI device; aborting)**
- Description: Initialization of a PCI device failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11107 e100:xxxx:xx:xx.x Software error (Cannot find proper PCI device)**
- Description: The base address of a PCI device could not be found.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11108 e100:xxxx:xx:xx.x Software error (Cannot obtain PCI resources; aborting)**
- Description: Resource allocation for a PCI device failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11109 e100:xxxx:xx:xx.x Software error (No usable DMA configuration; aborting)**
- Description: DMA is not possible in this system.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)

- 11110 e100:xxxx:xx:xx.x Software error (Cannot map device registers; aborting)**
- Description: I/O memory mapping for a PCI device failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11111 e100:xxxx:xx:xx.x Software error (Cannot alloc driver memory; aborting)**
- Description: The kernel memory required for the driver cannot be allocated.
- Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If the problem persists after the system restart, collect evidence (e.g., dumps, logs), and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 11112 e100:xxxx:xx:xx.x Adapter error (Invalid MAC address from EEPROM; aborting) vendor-id=8086 device-id=%d revision=%r**
- Description: An invalid MAC address was read from the EEPROM.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: The built-in e100 in the BMM is probably faulty. Replace the BMM. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

-
- 11113 e100:xxxx:xx:xx.x Software error (Cannot register net device; aborting)**
- Description: Registration of a network device failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11114 e100:ethx Adapter error (hw_init failed) vendor-id=8086 device-id=%d revision=%r**
- Description: Network adapter initialization failed.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: The built-in e100 in the BMM is probably faulty. Replace the BMM. Collect evidence (e.g., dumps, logs), and contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)
-
- 11115 e100: Adapter or Software error (Cannot re-enable PCI device after reset)**
- Description: The PCI device could not be restarted after it was reset.
 %d: Example 1209
 %c: Number (1 to 3 digits)
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (//T/S)

- 11116 e100:%s Software error (e100.mdio_ctr won't go ready)**
- Description: The writing preparation of the MDI control register is not completed.
 %s: xxxx:xx:x.x or ethx
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11117 e100:ethx Software error (e100_exec_cb_wait ucode cmd failed)**
- Description: ucode cmd failed.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11118 e100:ethx Software error (e100_exec_cb_wait ucode load failed)**
- Description: ucode load failed.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11119 e100:xxxx:xx:xx.x Software error (e100_probe: Error clearing wake event)**
- Description: The wake up processing for the device failed.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)

11120 e100:ethx Software error (e100_suspend: Error enabling wake)

Description: The wake up processing for the device failed.

Corrective action: Collect troubleshooting information (e.g., dumps, logs),
and ask your Fujitsu certified service engineer to
conduct an inspection.

Severity: Warning

Action: (/ /T/S)

11121 e100:ethx Software error (e100_suspend: Error setting power state)

Description: Setting the state of the power supply failed.

Corrective action: Collect troubleshooting information (e.g., dumps, logs),
and ask your Fujitsu certified service engineer to
conduct an inspection.

Severity: Warning

Action: (/ /T/S)

11122 e100:ethx Software error (e100_resume: Error waking adapter)

Description: The wake up processing for the device failed.

Corrective action: Collect troubleshooting information (e.g., dumps, logs),
and ask your Fujitsu certified service engineer to
conduct an inspection.

Severity: Warning

Action: (/ /T/S)

11123 e100:ethx Software error (e100_resume: Error clearing wake events)

Description: The wake up processing for the device failed.

Corrective action: Collect troubleshooting information (e.g., dumps, logs),
and ask your Fujitsu certified service engineer to
conduct an inspection.

Severity: Warning

Action: (/ /T/S)

11124 e100:ethx Software error (e100_shutdown: Error enabling wake)

Description: The wake up processing for the device failed.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (/T/S)

3.2.4.2 e1000-related messages**11200 e1000:xxxx:xx:xx.x Adapter or Software error (probe failed)**

Description: Adapter initialization failed.

Corrective action: Take the corrective action described for the message (11201 to 11203) output immediately before this message. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

11201 e1000:xxxx:xx:xx.x Adapter or Software error (No usable DMA configuration; aborting)

Description: DMA is not possible in this system.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (/T/S)

-
- 11202 e1000:xxxx:xx:xx.x Adapter error (The EEPROM Checksum Is Not Valid) vendor-id=8086 device-id=%d revision=%r**
- Description: An EEPROM checksum error was detected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11203 e1000:xxxx:xx:xx.x ethx Adapter error (Unknown MAC Type) vendor-id=8086 device-id=%d revision=%r**
- Description: An unrecognizable controller was detected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11204 e1000:ethx Adapter error (Hardware Error) vendor-id=8086 device-id=%d revision=%r**
- Description: A hardware error was detected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 11205 e1000:%i Adapter error (EEPROM Read Error) vendor-id=8086 device-id=%d revision=%r**
- Description: An EEPROM read error was detected.
 %i: ethx or xxxx:xx:xx.x
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11206 e1000:%i Adapter or Software error (Invalid MAC Address)**
- Description: An invalid MAC address is specified.
 %i: ethx or xxxx:xx:xx.x
- Corrective action: Check the MAC address setting. If the MAC address setting seems to have no error, the adapter may be faulty. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 11207 e1000:ethx Software error (Unable to Allocate Memory)**
- Description: Memory allocation for the transmit descriptor ring failed.
- Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If restarting the system does not solve the problem, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer for inspection.
- Severity: Warning
- Action: (/ /T/S)

- 11208 e1000:ethx Software error (txdr align check failed)**
- Description: An error was detected during the memory boundary check for the transmit descriptor.
- Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If restarting the system does not solve the problem, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer for inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11209 e1000:ethx Software error (Unable to Allocate aligned Memory)**
- Description: Memory allocation for the transmit descriptor ring failed.
- Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If restarting the system does not solve the problem, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer for inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11210 e1000:ethx Software error (Unable to Allocate Memory)**
- Description: Memory allocation for the receive descriptor ring failed.
- Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If restarting the system does not solve the problem, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer for inspection.
- Severity: Warning
- Action: (/ /T/S)

11211 e1000:ethx Software error (txdr align check failed)

Description: An error was detected during the memory boundary check for the receive descriptor.

Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If restarting the system does not solve the problem, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer for inspection.

Severity: Warning

Action: (/ /T/S)

11212 e1000:ethx Software error (Unable to Allocate aligned Memory)

Description: Memory allocation for the receive descriptor ring failed.

Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If restarting the system does not solve the problem, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer for inspection.

Severity: Warning

Action: (/ /T/S)

11213 e1000:ethx Software error (Unsupported Speed/Duplexity configuration)

Description: An unsupported communication speed or communications system is specified.

Corrective action: Check the communication speed and communications system of the adapter, and specify correct values. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

-
- 11214 e1000:xxxx:xx:xx.x Adapter error (PCI parity error detected)
vendor-id=8086 device-id=%d revision=%r**
- Description: A PCI parity error was detected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11215 e1000:xxxx:xx:xx.x Adapter error (Cannot recover from a PCI
parity error) vendor-id=8086 device-id=%d revision=%r**
- Description: A PCI parity error cannot be corrected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11216 e1000:xxxx:xx:xx.x Adapter error (PCI parity error detected)
vendor-id=8086 device-id=%d revision=%r**
- Description: A PCI parity error was detected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 11217 e1000:xxxx:xx:xx.x Adapter error (Cannot recover from a PCI parity error) vendor-id=8086 device-id=%d revision=%r**
- Description: A PCI parity error cannot be corrected.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11218 e1000:xxxx:xx:xx.x Adapter error (PCI parity error detected) vendor-id=8086 device-id=%d revision=%r**
- Description: A PCI parity error was detected during DMA transfer.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11219 e1000:ethx Adapter or Software error (Unable to allocate MSI interrupt Error)**
- Description: MSI interrupt resources cannot be assigned.
- Corrective action: Collect evidence (e.g., dumps, logs), and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)

11220 e1000:ethx Adapter or Software error (Unable to allocate interrupt Error)

Description: Interrupt resources cannot be assigned.

Corrective action: Collect evidence (e.g., dumps, logs), and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

11221 e1000: Adapter error (EEPROM initialization failed)

Description: EEPROM initialization failed.

Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

11222 e1000:ethx Adapter or Software error (Detected Tx Unit Hang)

Description: A hang-up of the sending unit was detected.

Corrective action: If communication is performed normally after this message is output, no corrective action needs to be taken. If communication is not performed normally after this message is output, restart (reset) the adapter or restart the system. If the system is not recovered even after restarting, replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

- 11223 e1000:%i Adapter or Software error (Error in setting MWI)**
- Description: MWI setup failed.
 %i: ethx or xxxx:xx:xx.x
- Corrective action: Adapter failure is likely. Replace the adapter. If the
 problem persists, contact your Fujitsu certified service
 engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11224 e1000:xxxx:xx:xx.x Software error (Unable to allocate
 memory for queues)**
- Description: No memory could be allocated for the sending/
 receiving queue.
- Corrective action: Check whether the system memory estimate is
 appropriate. If no problems are found, reboot the
 system. If the error persists, collect investigation
 materials (dumps and logs) and contact your Fujitsu
 certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11225 e1000:xxxx:xx:xx.x Software error (Allocation for Tx Queue
 Num failed)**
- Description: Resource allocation for the sending queue failed.
- Corrective action: Check whether the system memory estimate is
 appropriate. If no problems are found, reboot the
 system. If the error persists, collect investigation
 materials (dumps and logs) and contact your Fujitsu
 certified service engineer.
- Severity: Warning
- Action: (/T/S)

-
- 11226 e1000:xxxx:xx:xx.x Software error (Allocation for Rx Queue Num failed)**
- Description: Resource allocation for the receiving queue failed.
- Corrective action Check whether the system memory estimate is appropriate. If no problems are found, reboot the system. If the error persists, collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11227 e1000:ethx Software error (MTU > 9216 bytes not supported on 82572 controllers)**
- Description: Setting an MTU of more than 9,216 bytes is not supported by the 82572 controller.
- Corrective action: Review the MTU settings and set a value in the supported range.
- Severity: Warning
- Action: (/T/S)
-
- 11228 e1000:ethx Software error (Error in setting power state)**
- Description: The power state could not be set.
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11229 e1000:ethx Software error (Error setting enable D3 wake)**
- Description: D3 wake could not be set.
- Correction action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)

- 11230 e1000:ethx Software error (Error setting enable D3 cold wake)**
- Description: D3 cold wake could not be set.
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11231 e1000: Software error (Cannot re-enable PCI device after reset)**
- Description: The PCI device could not be restarted after it was reset.
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11232 e1000:Software error (can't bring device back up after reset)**
- Description: The device could not be returned to the active state after it was reset.
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11233 e1000:ethx Software error (Cannot change link characteristics when SoL/IDER is active)**
- Description: Link characteristics could not be changed.
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)

-
- 11234 e1000:ethx Adapter error (pattern reg test failed) vendor-id=8086 device-id=%d revision=%r**
- Description: A pattern test failed.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Correction action: An adapter error is likely. Replace the adapter.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11235 e1000:ethx Adapter error (set/check reg test failed) vendor-id=8086 device-id=%d revision=%r**
- Description: A register test failed.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Correction action: An adapter error is likely. Replace the adapter.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11236 e1000:ethx Adapter error (failed STATUS register test) vendor-id=8086 device-id=%d revision=%r**
- Description: A STATUS register test failed.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Correction action: An adapter error is likely. Replace the adapter.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11237 e1000:ethx Adapter error (Cannot do PHY loopback test when SoL/IDER is active) vendor-id=8086 device-id=%d revision=%r**
- Description: A PHY loop-back test could not be executed.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Correction action: An adapter error is likely. Replace the adapter.
- Severity: Warning
- Action: (R/M/T/S)

- 11238 e1000:ethx Software error (MTU > 9216 bytes not supported on 82571 and 82572 controllers)**
- Description: Setting an MTU of more than 9,216 bytes is not supported by the 82571 and 82572 controllers.
- Corrective action: Review the MTU settings and set values in the supported range.
- Severity: Warning
- Action: (/T/S)
-
- 11239 e1000: Software error (Cannot enable PCI device from suspend)**
- Description: The PCI device could not be started from the suspended state.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs) and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/T/S)
-
- 11240 e1000:xxxx:xx:xx.x Adapter error (readl: PCI master abort error) vendor-id=8086 device-id=%d revision=%r**
- Description: A PCI master abort error occurred during register reading.
 %d: Example 1209
 %r: Number (1 to 3 digits)
- Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.
- Severity: Warning
- Action: (R/M/T/S)

11241**e1000:xxxx:xx:xx.x Adapter error (writel: PCI master abort error) vendor-id=8086 device-id=%d revision=%r**

Description: A PCI master abort error occurred during register writing.

%d: Example 1209

%r: Number (1 to 3 digits)

Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.

Severity: Warning

Action: (R/M/T/S)

3.2.4.3 bcm5700-related messages

- 11300 bcm5700:xxxx:xx:xx.x Adapter or Software error (probe failed)**
- Description: Adapter initialization failed.
- Corrective action: Take the corrective action described in the message displayed immediately prior to this message (any of messages 11301 to 11306). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 11301 bcm5700:xxxx:xx:xx.x Software error (unable to alloc new ethernet)**
- Description: Allocation of the kernel memory required for the driver failed.
- Corrective action: Check the validity of memory estimation done by the system. If memory estimation seems reasonable, try restarting the system. If restarting the system does not solve the problem, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer for inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11302 bcm5700:xxxx:xx:xx.x Adapter or Software error (pci_set_consistent_dma_mask failed)**
- Description: pci_set_consisten_dma_mask failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)

-
- 11303 bcm5700:xxxx:xx:xx.x Adapter or Software error (System does not support DMA)**
- Description: This system does not support DMA.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11304 bcm5700:xxxx:xx:xx.x Adapter error (Get Adapter info failed) vendor-id=14E4 device-id=%d revision=%r**
- Description: Acquisition of network adapter information failed.
 %d: Example for bcm5700 16A8
 %r: Number (1 to 3 digits)
- Corrective action: Replace the adapter since the adapter is highly suspected to be faulty. If the problem persists after adapter replacement, collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11305 bcm5700:xxxx:xx:xx.x Software error (Cannot register net device)**
- Description: Registration of a network device failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)

- 11306 bcm5700:ethx Adapter or Software error (Duplicate entry of the interrupt handler by Processor)**
- Description: Multiple interrupts occurred during interrupt processing.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11308 bcm5700:xxxx:xx:xx.x Adapter error (PCI parity error detected) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error was detected during readl () processing.
 %d: Example for bcm5700 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11309 bcm5700:xxxx:xx:xx.x Adapter error (Cannot recover from a PCI read parity error) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error in read processing cannot be corrected.
 %d: Example for bcm5700 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

-
- 11310 bcm5700:xxxx:xx:xx.x Adapter error (PCI parity error detected) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error was detected during writel () processing.
 %d: Example for bcm5700 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11311 bcm5700:xxxx:xx:xx.x Adapter error (Cannot recover from a PCI write parityerror) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error in writel () processing cannot be corrected.
 %d: Example for bcm5700 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11312 bcm5700:xxxx:xx:xx.x Adapter error (PCI parity error detected) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error was detected during DMA transfer.
 %d: Example for bcm5700 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

11313 bcm5700:xxxx:xx:xx.x Adapter error (Cannot get access to nvram interface) vendor-id=14E4 device-id=%d revision=%r

Description: Access to the NVRAM interface failed.

%d: Example for bcm5700 16A8

%r: Number (1 to 3 digits)

Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

11314 bcm5700:xxxx:xx:xx.x Adapter error (EEPROM command timed out) vendor-id=14E4 device-id=%d revision=%r

Description: A timeout occurred in EEPROM command processing.

%d: Example for bcm5700 16A8

%r: Number (1 to 3 digits)

Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

11315 bcm5700:xxxx:xx:xx.x Adapter error (NVRAM command timed out) vendor-id=14E4 device-id=%d revision=%r

Description: A timeout occurred in NVRAM command processing.

%d: Example for bcm5700 16A8

%r: Number (1 to 3 digits)

Corrective action: Adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

-
- 11316 bcm5700: Adapter error (Unknown NVRAM type)**
- Description: The NVRAM type cannot be recognized.
- Corrective action: Check whether the connected adapter is a supported product. If it is a supported product, an adapter failure is likely. Replace the adapter. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11317 bcm5700: Adapter error (Unknown NVRAM page size)**
- Description: The NVRAM page size is invalid.
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11318 bcm5700: Adapter error (Flash type unsupported)**
- Description: The flash type is not supported.
- Corrective action: Collect investigation materials (dumps and logs) and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 11319 bcm5700:xxxx:xx:xx.x Adapter error (PCI master abort error)
vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI master abort error occurred.
%d: Example for bcm5700 16A8
%r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device (e.g., IO Unit or PCI_Box) connected to the adapter.
If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

3.2.4.4 tg3-related messages

11400 **tg3:ethx Software error (transmit timed out. resetting)**

Description: Communication time-out occurred. The network interface is reset.

Corrective action: If communication is performed normally after this message is output, no corrective action needs to be taken. If communication is not performed normally after this message is output, restart (reset) the adapter or restart the system. If the system recovery was unsuccessful even after restarting, replace the adapter.

Severity: Warning

Action: (/ /T/S)

11401 **tg3:ethx Software error (Tx Ring full when queue awake)**

Description: The transmit descriptor became full.

Corrective action: If communication is performed normally after this message is output, no corrective action needs to be taken. If communication is not performed normally after this message is output, restart (reset) the adapter or restart the system. If the system recovery was unsuccessful even after restarting, replace the adapter.

Severity: Warning

Action: (/ /T/S)

11402 **tg3:xxxx:xx:xx.x Adapter error (tg3_stop_block timed out) vendor-id=14E4 device-id=%d revision=%r**

Description: A timeout occurred in the tg3_stop_block.
%d: Example 16A8
%r: Number (1 to 3 digits)

Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 11403 tg3:ethx Adapter error (tg3_abort_hw timed out) vendor-id=14E4 device-id=%d revision=%r**
- Description: A timeout occurred in the tg3_abort_hw.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11404 tg3:ethx Adapter error (tg3_reset_hw cannot enable BUFMR) vendor-id=14E4 device-id=%d revision=%r**
- Description: In tg3_reset_hw, the BUFMR was not able to enable.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11405 tg3: Adapter error (Register test failed)**
- Description: Register test failed.
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 11406** **tg3:xxxx:xx:x.x Software error (transition to D0 failed)**
- Description: Transition to D0 failed.
- Corrective action: Collect evidence (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11407** **tg3:xxxx:xx:x.x Adapter error (phy probe failed) vendor-id=14E4 device-id=%d revision=%r**
- Description: PHY probe failed.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11408** **tg3:xxxx:xx:xx.x Adapter error (test_dma Write the buffer failed) vendor-id=14E4 device-id=%d revision=%r**
- Description: In a DMA test, writing to the buffer failed.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

-
- 11409** **tg3:xxxx:xx:xx.x Adapter error (test_dma Card buffer corrupted on write) vendor-id=14E4 device-id=%d revision=%r**
- Description: In a DMA test, writing data corruption was detected.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11410** **tg3:xxxx:xx:xx.x Adapter error (test_dma Read the buffer failed) vendor-id=14E4 device-id=%d revision=%r**
- Description: In a DMA test, reading the buffer failed.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11411** **tg3:xxxx:xx:xx.x Adapter error (test_dma buffer corrupted on read back) vendor-id=14E4 device-id=%d revision=%r**
- Description: In a DMA test, reading data corruption was detected.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 11412 tg3: Software error (Cannot enable PCI device. aborting)**
- Description: Cannot enable PCI device.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11413 tg3: Software error (Cannot find proper PCI device base address. aborting)**
- Description: Cannot find proper PCI device base address. Initialization is interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11414 tg3: Software error (Cannot enable PCI resources. aborting)**
- Description: PCI resource acquisition failed. Initialization is interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11415 tg3: Software error (Cannot find Power Management capability. aborting)**
- Description: The power supply management function is not supported in this device. Initialization is interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)

- 11416** **tg3: Software error (Etherdev alloc failed. aborting)**
- Description: The network control resource acquisition failed.
Initialization is interrupted.
- Corrective action: Check the validity of memory estimation done by the
system. If memory estimation seems reasonable, try
restarting the system. If restarting the system does not
solve the problem, collect troubleshooting information
(e.g., dumps, logs), and ask your Fujitsu certified
service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11417** **tg3: Software error (Cannot map device registers. aborting)**
- Description: Mapping of device registers failed. Initialization is
interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs),
and ask your Fujitsu certified service engineer to
conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11418** **tg3: Software error (Problem fetching invariants of chip.
aborting)**
- Description: The problem occurred while acquiring information on
the chip. Initialization is interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs),
and ask your Fujitsu certified service engineer to
conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)

- 11419** **tg3: Software error (Unable to obtain 64 bit DMA for consistent allocations)**
- Description: Cannot use 64bit DMA with this system.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11420** **tg3: Software error (No usable DMA configuration. aborting)**
- Description: No usable DMA configuration. Initialization is interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11421** **tg3:xxxx:xx:xx.x Adapter error (Could not obtain valid ethernet address. aborting) vendor-id=14E4 device-id=%d revision=%r**
- Description: Could not obtain valid ethernet address. Initialization is interrupted.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Severity: Warning
- Action: (R/M/T/S)

-
- 11422 tg3:xxxx:xx:xx.x Adapter error (DMA engine test failed. aborting) vendor-id=14E4 device-id=%d revision=%r**
- Description: DMA engine test failed. Initialization is interrupted.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: First, replace the adapter. If replacing the adapter does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX).
- Severity: Warning
- Action: (R/M/T/S)
-
- 11423 tg3: Adapter error (Cannot register net device. aborting)**
- Description: Cannot register net device. Initialization is interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11424 tg3:ethx Adapter error (Invalid power state requested)**
- Description: An invalid power supply state setting was requested.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 11425 tg3:ethx Software error (Failed to re-initialize device; aborting)**
- Description: Device re-initialization failed. Re-initialization has been interrupted.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)

- 11426 tg3:ethx Software error (Cannot get nvarm lock; tg3_nvram_init failed)**
- Description: NVRAM lock could not be obtained, and the tg3_nvram_init function failed.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs) and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (//T/S)
-
- 11427 tg3:ethx Software error (The system may be re-ordering memory-mapped I/O cycles to the network device)**
- Description: Memory-mapped I/O cycles for the network device may be re-ordered for system recovery. Report it with system chipset information to the driver maintenance.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs) and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (//T/S)
-
- 11428 tg3:ethx Software error (Using a smaller RX standard ring)**
- Description: A sufficient buffer could not be allocated for the RX ring.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs) and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (//T/S)

-
- 11429** **tg3:ethx Software error (Using a smaller RX jumbo ring)**
- Description: A sufficient buffer could not be allocated for the RX ring (for the jumbo frame).
- Corrective action: Collect troubleshooting information (e.g., dumps, logs) and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (//T/S)
-
- 11430** **tg3:xxxx:xx:xx.x Adapter error (readl: PCI parity error detected. retrying) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error was detected during register reading.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11431** **tg3:xxxx:xx:xx.x Adapter error (readl: Cannot recover from a PCI parity error) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error that occurred during register reading could not be recovered.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.
- Severity: Warning
- Action: (R/M/T/S)

- 11432** **tg3:xxxx:xx:xx.x Adapter error (writel: PCI parity error detected. retrying) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error was detected during register writing.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11433** **tg3:xxxx:xx:xx.x Adapter error (writel: Cannot recover from a PCI parity error) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error that occurred during register writing could not be recovered.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11434** **tg3:xxxx:xx:xx.x Adapter error (interrupt: PCI parity error detected during a DMA transfer) vendor-id=14E4 device-id=%d revision=%r**
- Description: A PCI parity error was detected during DMA transfer.
 %d: Example 16A8
 %r: Number (1 to 3 digits)
- Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.
- Severity: Warning
- Action: (R/M/T/S)

11435 tg3:xxxx:xx:xx.x Adapter error (read! PCI master abort error) vendor-id=14E4 device-id=%d revision=%r

Description: A PCI master abort error occurred during register reading.

%d: Example 16A8

%r: Number (1 to 3 digits)

Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.

Severity: Warning

Action: (R/M/T/S)

11436 tg3:xxxx:xx:xx.x Adapter error (writel! PCI master abort error) vendor-id=14E4 device-id=%d revision=%r

Description: A PCI master abort error occurred during register writing.

%d: Example 16A8

%r: Number (1 to 3 digits)

Corrective action: Replace the adapter. If the problem persists, replace the device (e.g., IO Unit, PCI_BOX) to which the adapter is connected.

Severity: Warning

Action: (R/M/T/S)

3.2.4.5 xframell (10GbE)-related messages

11500 s2io:Adapter error (ERROR:Setting Swapper failed)

Explanation: Built-in data multiplexer initialization failed.

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11501 s2io:ethx Adapter error (TTI init Failed) vendor-id=17D5 device-id=%d revision=%r

Explanation: Writing to the TTI command register failed. This is an NIC hardware error.
 %d: Example of xframe II 5832
 %r: Numeric value (1 to 3 digits)

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11502 s2io:ethx Adapter error (RTI init Failed) vendor-id=17D5 device-id=%d revision=%r

Explanation: Writing to the TTI command register failed. This is an NIC hardware error.
 %d: Example of xframe II 5832
 %r: Numeric value (1 to 3 digits)

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

- 11503 s2io:ethx Adapter error (device is not ready) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: After NIC initialization, the NIC status register does not show a correct value. This is an NIC hardware error.
%d: Example of xframa II 5832
%r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11504 s2io:ethx Adapter error (The skb is Null in Rx Intr) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: No received data was found although a receive interrupt was generated.
%d: Example of xframa II 5832
%r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11505 s2io:Adapter error (Null skb in Tx Free Intr)**
- Explanation: Data already sent was not found although a transmission completion interrupt was generated.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

- 11506 s2io:Adapter error (Excessive temperatures may result in premature transceiver failure)**
- Explanation: Excessive temperature will probably cause a transceiver error.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11507 s2io:Adapter error (Excessive bias currents may indicate imminent laser diode failure)**
- Explanation: Overcurrent will probably cause a laser diode error.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11508 s2io:Adapter error (Excessive laser output power may saturate far-end receiver)**
- Explanation: Excessive laser diode output will probably cause a receive error in the communication partner.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

11508 s2io:Adapter error (Incorrect XPAK Alarm type)

Explanation: Excessive laser diode output will probably cause a receive error in the communication partner.

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11509 s2io:Adapter error (Incorrect XPAK Alarm type)

Explanation: A fault or a state (undefined) that will probably lead to a fault was detected in the NIC card.

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11510 s2io:Adapter error (ERR:MDIO slave access failed)

Explanation: An error occurred during access to the hardware register used to control the optical send/receive facility (MDIO).

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity Warning

Action: (R/M/T/S)

- 11511 s2io:Adapter error (Incorrect value at PMA address 0x0000)**
- Explanation: The hardware register used to control the optical send/receive facility (PMA) contains an invalid value.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11512 s2io:ethx Adapter error (Device indicates double ECC error) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: A 2-bit or higher bit error occurred in the NIC local memory.
- %d: Example of xframa II 5832
- %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11513 s2io:ethx Adapter error (Device indicates serious error) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: A serious error occurred in NIC firmware.
- %d: Example of xframa II 5832
- %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

- 11514 s2io:ethx Adapter error (Endian settings are wrong) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: Built-in data multiplexer initialization failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11515 s2io:Adapter error (XMSI register error)**
- Explanation: Built-in data multiplexer initialization failed (XMSI register error).
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11516 s2io:Adapter error (XMSI access_register access error)**
- Explanation: Access to the XMSI Access register failed.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

11517 s2io:ethx Adapter error (enabling MSI failed) vendor-id=17D5 device-id=%d revision=%r

Explanation: MSI interrupt registration with the kernel failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11518 s2io:ethx Adapter error (Enabling MSIX failed) vendor-id=17D5 device-id=%d revision=%r

Explanation: msi-x interrupt registration/activation failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11519 s2io:ethx Adapter error (Adding Multicasts failed) vendor-id=17D5 device-id=%d revision=%r

Explanation: Multicast address registration failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11520 s2io:ethx Adapter error (set_mac_addr failed) vendor-id=17D5 device-id=%d revision=%r

Explanation: Unicast address registration failed.

%d: Example of xframa II 5832

%r: Numeric value (1 to 3 digits)

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11521 s2io:Adapter error (Read of VPD data failed)

Explanation: VPD data reading failed.

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11522 s2io:Adapter error (Read of EEPROM failed)

Explanation: EEPROM reading failed.

Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

- 11523 s2io:Adapter error (ETHTOOL_WRITE_EEPROM Err:Magic value is wrong)**
- Explanation: EEPROM writing failed.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11524 s2io:Adapter error (Read Test fails)**
- Explanation: Reading the hardware register failed.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11525 s2io:Adapter error (Write Test fails)**
- Explanation: Writing to the hardware register (XMSI_Data) failed.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

-
- 11526 s2io:ethx Adapter error (eeprom test error) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: The data read from EEPROM failed to match the data written to EEPROM.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11527 s2io:ethx Adapter error (Error:device is not Quiescent) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: NIC failed to enter the reset complete state during link up processing.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11528 s2io:ethx Adapter error (MSI registration failed) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: MSI mode setting failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

- 11529 s2io:ethx Adapter error (MSIX mode handler registration failed) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: Setting a certain MSIX mode handler failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11530 s2io:ethx Adapter error (MSIX registration failed) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: MSIX mode setting failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11531 s2io:ethx Adapter error (INTA registration failed) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: INTA mode setting failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

- 11532 s2io:Adapter error (s2io_close:Device not Quiescent)**
- Explanation: NIC hardware failed to come to rest even though rest processing was performed.
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11533 s2io:ethx Adapter error (reset by Tx watchdog timer) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: NIC was reinitialized by the watchdog timer (hardware monitoring).
- %d: Example of xframa II 5832
- %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11534 s2io:Adapter or Software error (s2io_init_nic:pci_enable_device failed)**
- Explanation: PCI device registration with the kernel and PCI device initialization failed.
- Corrective action: Hardware/kernel problems are assumed. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

- 11535 s2io:Adapter or Software error (Unable to obtain 64bit DMA for consistent allocations)**
- Explanation: Allocation of the physical address of 64-bit DMA failed.
- Corrective action: Hardware/kernel problems are assumed. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11536 s2io:Adapter or Software error (Request Regions failed)**
- Explanation: NIC register allocation to main memory failed.
- Corrective action: Hardware/kernel problems are assumed. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11537 s2io:ethx Adapter error (swapper settings are wrong)
vendor-id=17D5 device-id=%d revision=%r**
- Explanation: A problem occurred in the built-in data multiplexer.
%d: Example of xframa II 5832
%r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

-
- 11538 s2io:Adapter error (Unsupported PCI bus mode)**
- Explanation: A PCI bus slot in a mode that is not supported by the card is being used.
- Corrective action: Check the slot specifications. If no problem is found, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11539 s2io:xxxx:xx:xx.x Adapter error (readl/q:PCI parity error detected; retrying.) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: Reading the hardware register failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11540 s2io:xxxx:xx:xx.x Adapter error (readl/q:Cannot recover from a PCI parity error) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: Reading the hardware register failed and retries made for the specified number of times were unsuccessful.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

- 11541 s2io:xxxx:xx:xx.x Adapter error (writeq:PCI parity error detected; retrying.)vendor-id=17D5 device-id=%d revision=%r**
- Explanation: Writing to the hardware register failed.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11542 s2io:xxxx:xx:xx.x Adapter error (writel:Cannot recover from a PCI parity error) vendor-id=17D5 device-id=%d revision=%r**
- Explanation: Writing to the hardware register failed and retries made for the specified number of times were unsuccessful.
 %d: Example of xframa II 5832
 %r: Numeric value (1 to 3 digits)
- Corrective action: There appears to be a hardware problem. Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

- 11543 s2io: ethx Adapter error (failed rts ds steeringset on codepoint) vendor-id=17D5 device-id=%d revision=%r**
- Description: Initialization of the reception ring failed. This is a NIC hardware error.
 %d: Example: 5832 for xframa II
 %r: Number (1 to 3 digits)
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11544 s2io: Adapter error (TDMA is not ready!)**
- Description: TDMA cannot be initialized. This is a NIC hardware error.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11545 s2io: Adapter error (RDMA is not ready!)**
- Description: RDMA cannot be initialized. This is a NIC hardware error.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

11546 s2io: Adapter error (PFC is not ready!)

Description: RFC cannot be initialized. This is a NIC hardware error.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11547 s2io: Adapter error (TMAC BUF is not empty!)

Description: Data remains in the TMAC BUF. This is a NIC hardware error.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11548 s2io: Adapter error (PIC is not QUIESCENT!)

Description: PIC failed to enter the quiescent state. This is a NIC hardware error.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

- 11549 s2io: Adapter error (MC_DRAM is not ready!)**
- Description: MC_DRAM initialization failed. This is a NIC hardware error.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11550 s2io: Adapter error (MC_QUEUES is not ready!)**
- Description: MC_QUEUE initialization failed. This is a NIC hardware error.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)
-
- 11551 s2io: Adapter error (M_PLL is not locked!)**
- Description: MPLL is not synchronized. This is a NIC hardware error.
- Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (R/M/T/S)

11552 s2io: Adapter error (P_PLL is not locked!)

Description: PPLL is not synchronized. This is a NIC hardware error.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11553 s2io: Adapter error (RC_PRC is not QUIESCENT!)

Description: RC_PRC failed to enter the quiescent state. This is a NIC hardware error.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

11554 s2io: Adapter error (SW_Reset failed!)

Description: Reset processing failed.

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

3.2.5 Fibre-Channel-related messages (12000 to 12088)

12000	lpfc:xxxx:xx:xx.x Adapter or Software error (Dropping received ELS cmd)
Description:	The driver discarded an ELS response entry that resides in the ring.
Corrective action:	This is a driver or firmware failure. If the error persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)
12001	lpfc:xxxx:xx:xx.x Device error (An FLOGI ELS command was received in Loop Mode) vendor-id=10DF device-id=%d revision=%r
Description:	An ELS command (FLOGI) was received from a DID in loop mode. %d: Example F980 %r: Number (1 to 3 digits)
Corrective action:	Check the device destination ID. If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)
12002	lpfc:xxxx:xx:xx.x Device or FC-Network error (unknown ELS command received) vendor-id=10DF device-id=%d revision=%r
Description:	An unknown or unsupported ELS command was received from a remote Nport. %d: Example F980 %r: Number (1 to 3 digits)
Corrective action:	Check the remote Nport. If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)

- 12003 lpfc:xxxx:xx:xx.x Device or FC-Network error (ELS timeout)
vendor-id=10DF device-id=%d revision=%r**
- Description: A timeout occurred in ELS command processing.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: If ELS commands cannot be transferred by the Fibre Channel card (HBA), reboot the system. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12004 lpfc:xxxx:xx:xx.x Adapter error (CONFIG_LINK bad hba state)
vendor-id=10DF device-id=%d revision=%r**
- Description: The CONFIG_LINK mailbox command ended with an HBA status error.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This was caused by driver software. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12005 lpfc:xxxx:xx:xx.x Device or FC-Network error (Nodev timeout) vendor-id=10DF device-id=%d revision=%r**
- Description: The driver lost trace of a remote Nport.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Check the Fabric, hub, or device connection. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

-
- 12006 `lpfc:xxxx:xx:xx.x FC-Network error (unknown Identifier in RSCN) vendor-id=10DF device-id=%d revision=%r`**
- Description: The RSCN payload contains an unknown ID.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Since this is a problem residing in Fabric switches, ask the Fabric vendor to check Fabric switches. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12007 `lpfc:xxxx:xx:xx.x Adapter or FC-Network error (Initial FLOGI timeout) vendor-id=10DF device-id=%d revision=%r`**
- Description: A FLOGI timeout error occurred.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Check the Fabric settings. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12008 `lpfc:xxxx:xx:xx.x Adapter or FC-Network error (Timeout while waiting for NameServer login) vendor-id=10DF device-id=%d revision=%r`**
- Description: A login request to the name server was not accepted within the specified time.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Check the Fabric settings. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

12009 lpfc:xxxx:xx:xx.x Adapter or FC-Network error (NameServer query timeout) vendor-id=10DF device-id=%d revision=%r

Description: A timeout occurred during an inquiry to the name server.

%d: Example F980

%r: Number (1 to 3 digits)

Corrective action: Check the Fabric settings. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

12014 lpfc:xxxx:xx:xx.x Adapter or Device error (RegLogin failed) vendor-id=10DF device-id=%d revision=%r

Description: An attempt to log in again failed.

%d: Example F980

%r: Number (1 to 3 digits)

Corrective action: Check the system configuration since the limit on the number of nodes that can be handled by the HBA may have been exceeded. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

12015 lpfc:xxxx:xx:xx.x Adapter error (stray mailbox interrupt mbxCommand) vendor-id=10DF device-id=%d revision=%r

Description: Completion of a mailbox command that does not seem to have been issued was reported.

%d: Example F980

%r: Number (1 to 3 digits)

Corrective action: This is a hardware or firmware failure.
If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 12016 `lpfc:xxxx:xx:xx.x Adapter error (CONFIG_LINK mbxStatus Error) vendor-id=10DF device-id=%d revision=%r`**
- Description: The CONFIG_LINK mailbox command was issued, but it failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12017 `lpfc:xxxx:xx:xx.x Adapter error (Mailbox command timeout) vendor-id=10DF device-id=%d revision=%r`**
- Description: A timeout occurred in mailbox command processing.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: If input/output operation is not possible, reboot the system.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12018 `lpfc:xxxx:xx:xx.x Adapter or Software error (Ring handler)`**
- Description: The index of the response ring on the port side is larger than the ring.
- Corrective action: This is a driver, hardware, or firmware failure.
 Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 12019 `lpfc:xxxx:xx:xx.x` Adapter or Software error (Ring issue)**
- Description: The command acquisition index of the ring on the port side is larger than the ring. If the problem persists, contact your Fujitsu certified service engineer.
- Corrective action: This is a driver, hardware, or firmware failure. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12020 `lpfc:xxxx:xx:xx.x` Adapter or Software error (Ring issue)**
- Description: The command acquisition index of the ring on the port side is larger than the ring.
- Corrective action: This is a driver, hardware, or firmware failure. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12021 `lpfc:xxxx:xx:xx.x` Software error (Cmd ring put)**
- Description: The Iotag allocated to the command ring exceeds the specified max value.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12022 `lpfc:xxxx:xx:xx.x` Software error (Rsp ring get)**
- Description: The Iotag allocated to the response ring exceeds the specified max value.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 12023** **lpfc:xxxx:xx:xx.x Adapter error (READ_SPARM mbxStatus error) vendor-id=10DF device-id=%d revision=%r**
- Description: The READ_SPARM command of the driver was issued, but it failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a firmware or hardware failure.
 Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12024** **lpfc:xxxx:xx:xx.x Adapter error (CLEAR_LA mbxStatus error) vendor-id=10DF device-id=%d revision=%r**
- Description: The driver issued the CLEAR_LA mailbox command to the HBA but the command failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a firmware or hardware failure.
 Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12025** **lpfc:xxxx:xx:xx.x Adapter or Software error (unknown IOCB command)**
- Description: The completion report of an unknown IOCB command was received.
- Corrective action: This is a driver or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 12026 `lpfc:xxxx:xx:xx.x Adapter or Software error (unknown Mailbox command)`**
- Description: The completion report of an unknown mailbox command was received.
- Corrective action: This is a driver, hardware, or firmware failure.
Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12027 `lpfc:xxxx:xx:xx.x Adapter error (Config Port initialization error) vendor-id=10DF device-id=%d revision=%r`**
- Description: The READ_NVPARM mailbox command failed during adapter initialization.
%d: Example F980
%r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12028 `lpfc:xxxx:xx:xx.x Adapter or Software error (cannot find virtual addr for mapped buf on ring)`**
- Description: The virtual address of the mapped buffer of the specified ring was not found.
- Corrective action: This is a driver or firmware failure.
If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

-
- 12029** **lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; timeout) vendor-id=10DF device-id=%d revision=%r**
- Description: This is an adapter error.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12030** **lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; chipset) vendor-id=10DF device-id=%d revision=%r**
- Description: This is an adapter error.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12031** **lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; chipset)vendor-id=10DF device-id=%d revision=%r**
- Description: This is an adapter error.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 12032** **lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; mbxCmd READ_REV) vendor-id=10DF device-id=%d revision=%r**
- Description: Adapter initialization failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12033** **lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; mbxCmd READ_REV detected outdated firmware) vendor-id=10DF device-id=%d revision=%r**
- Description: Firmware of an old version was found during initialization.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 Update the firmware.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12034** **lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; mbxCmd CONFIG_PORT) vendor-id=10DF device-id=%d revision=%r**
- Description: Adapter initialization failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 12035 `lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; mbxCmd CFG_RING) vendor-id=10DF device-id=%d revision=%r`**
- Description: Adapter initialization failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12036 `lpfc:xxxx:xx:xx.x Adapter error (Adapter failed init; mbxCmd CONFIG_LINK) vendor-id=10DF device-id=%d revision=%r`**
- Description: Adapter initialization failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12037 `lpfc:xxxx:xx:xx.x Adapter error (Adapter failed init; mbxCmd READ_SPARM) vendor-id=10DF device-id=%d revision=%r`**
- Description: Adapter initialization failed.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

12038 lpfc:xxxx:xx:xx.x Adapter or Software error (Enable interrupt handlerfailed) vendor-id=10DF device-id=%d revision=%r

Description: An attempt was made to register an HBA interrupt service routine in the operating system of the host system, but it failed.
 %d: Example F980
 %r: Number (1 to 3 digits)

Corrective action: This is a hardware or driver failure.
 If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

12039 lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to init; mbxCmd READ_CONFIG) vendor-id=10DF device-id=%d revision=%r

Description: Adapter initialization failed.
 %d: Example F980
 %r: Number (1 to 3 digits)

Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

12040 lpfc:xxxx:xx:xx.x Adapter error (Adapter failed to mbxCmd INIT_LINK) vendor-id=10DF device-id=%d revision=%r

Description: Adapter initialization failed.
 %d: Example F980
 %r: Number (1 to 3 digits)

Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

-
- 12041 `lpfc:xxxx:xx:xx.x Adapter error (Adapter Hardware Error)`
`vendor-id=10DF device-id=%d revision=%r`**
- Description: An interrupt indicating a hardware failure was received.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure.
 If the error persists, contact your Fujitsu certified
 service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12042 `lpfc:xxxx:xx:xx.x Adapter or Software error (Too many cmd /`
`rsp ring entries in SLI2 SLIM)`**
- Description: There are too many command/response rings in SLI2
 SLIM.
- Corrective action: This is a driver failure.
 If the error persists, contact your Fujitsu certified
 service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 12046 `lpfc:xxxx:xx:xx.x Device or FC-network error`
`(Re-establishing) vendor-id=10DF device-id=%d revision=%r`**
- Description: The driver encountered a condition requiring it to
 reinitialize the link. This is a timeout error.
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: If this link event occurs too many times, check the FC
 network connection.
- Severity: Warning
- Action: (/ /T/S)

**12049 lpfc:xxxx:xx:xx.x Adapter error (detected pci parity error)
vendor-id=10DF device-id=%d revision=%r**

Description: A parity error was detected during readl processing, and
a retry was performed.

%d: Example F980

%r: Number (1 to 3 digits)

Corrective action: The HBA (Fibre Channel card) needs to be replaced. If
replacing the HBA does not solve the problem, replace
the device it is connected to (e.g., IO Unit, PCI-BOX).
Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**12050 lpfc:xxxx:xx:xx.x Adapter error (detected pci parity error)
vendor-id=10DF device-id=%d revision=%r**

Description: A parity error was detected during readl processing, and
the HBA was blocked.

%d: Example F980

%r: Number (1 to 3 digits)

Corrective action: The HBA (Fibre Channel card) needs to be replaced. If
replacing the HBA does not solve the problem, replace
the device it is connected to (e.g., IO Unit, PCI-BOX).
Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

12051 **lpfc:xxxx:xx:xx.x Adapter error (detected pci parity error)**
vendor-id=10DF device-id=%d revision=%r

Description: A parity error was detected during writel processing, and a retry was performed.

%d: Example F980

%r: Number (1 to 3 digits)

Corrective action: The HBA (Fibre Channel card) needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

12052 **lpfc:xxxx:xx:xx.x Adapter error (detected pci parity error)**
vendor-id=10DF device-id=%d revision=%r

Description: A parity error was detected during writel processing, and the HBA was blocked.

%d: Example F980

%r: Number (1 to 3 digits)

Corrective action: The HBA (Fibre Channel card) needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

12053 **lpfc:xxxx:xx:xx.x Software error (high priority IOCB timeout)**

Description: The processing of a highest priority command was not completed within the wait time, and a timeout occurred.

Corrective action: A firmware or driver problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (//T/S)

- 12054 `lpfc:xxxx:xx:xx.x` Software error (Illegal State Transition)**
- Description: Invalid node state transition was detected.
- Corrective action: A driver problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12055 `lpfc:xxxx:xx:xx.x` Software error (Outstanding I/O count)**
- Description: The number of I/O operations that have been issued reached the processing limit.
- Corrective action: A driver or system problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12056 `lpfc: Software error (IOCB timeout)`**
- Description: A timeout occurred in the IOCB.
- Corrective action: A firmware or driver problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12057 `lpfc:xxxx:xx:xx.x` Adapter error (readl: Detect PCI parity error. Retrying) vendor-id=10DF device-id=%d revision=%r**
- Description: A machine check error was detected in readl, and a retry was performed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Correction action: Not required because a retry by the driver is performed. However, if the error persists, a hardware error (on PCI bus) is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)

**12058 lpfc:xxxx:xx:xx.x Adapter error (readl: Retry succeeded)
vendor-id=10DF device-id=%d revision=%r**

Description: After a machine check error was detected in readl, a
retry was successful. (PCI error recovery)
%d: Example F980
%r: Number (1 to 3 digits)

Corrective action: Not required

Severity: Warning

Action: (/T/S)

**12059 lpfc:xxxx:xx:xx.x Adapter error (readl: Detected PCI parity
error. Retries exhausted) vendor-id=10DF device-id=%d
revision=%r**

Description: A machine check error was detected in readl, and a retry
was performed, but it failed. (PCI error recovery)
%d: Example F980
%r: Number (1 to 3 digits)

Corrective action: Not required if a retry by the succeeding driver was
successful. If the retry failed, the HBA must be
replaced or a PCI bus error is likely. Contact your
Fujitsu certified service engineer. Also, if the error
recurs after the retry, contact your Fujitsu certified
service engineer.

Severity: Warning

Action: (/T/S)

- 12060 lpfc:xxxx:xx:xx.x Adapter error (writel: Couldn't read status register. Retrying) vendor-id=10DF device-id=%d revision=%r**
- Description: Status reading failed in writel, and a retry was performed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required because a retry by the driver is made. However, if the error persists, a hardware error (on PCI bus) is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12061 lpfc:xxxx:xx:xx.x Adapter error (writel: Detect PCI parity error. Retrying) vendor-id=10DF device-id=%d revision=%r**
- Description: A parity error was detected in writel, and a retry was performed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required because a retry by the driver is made. However, if the error persists, a hardware error (on PCI bus) is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12062 lpfc:xxxx:xx:xx.x Adapter error (writel: Retry succeeded) vendor-id=10DF device-id=%d revision=%r**
- Description: After a parity error was detected in writel, a retry was performed successfully. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required
- Severity: Warning
- Action: (//T/S)

-
- 12063** **lpfc:xxxx:xx:xx.x Adapter error (writel: Detected PCI parity error. Retries exhausted) vendor-id=10DF device-id=%d revision=%r**
- Description: After a parity error was detected in writel, a retry was performed, but it failed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required if a retry by the succeeding driver is successful. If the retry failed, the HBA must be replaced or a PCI bus error is likely. Contact your Fujitsu certified service engineer. Also, if the error recurs after the retry, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action (//T/S)
-
- 12064** **lpfc:xxxx:xx:xx.x Adapter error (Suspect any fixed hardware failure) vendor-id=10DF device-id=%d revision=%r**
- Description: After a parity error was detected, a retry to reset the HBA was performed, but it failed. As a result, the HBA was blocked. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: An error on the PCI bus of the HBA or system is likely. The HBA must be replaced. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 12065** **lpfc:xxxx:xx:xx.x Adapter error (writeb: Couldn't read status register. Retrying) vendor-id=10DF device-id=%d revision=%r**
- Description: Status reading failed in writeb, and a retry was performed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required because a retry by the driver is performed. However, if the error persists, a hardware error (on PCI bus) is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 12066** **lpfc:xxxx:xx:xx.x Adapter error (writeb: Detect PCI parity error. Retrying) vendor-id=10DF device-id=%d revision=%r**
- Description: A parity error was detected in writeb, and a retry was performed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required because a retry by the driver is performed. However, if the error persists, a hardware error (on PCI bus) is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 12067** **lpfc:xxxx:xx:xx.x Adapter error (writeb: Retry succeeded) vendor-id=10DF device-id=%d revision=%r**
- Description: After a parity error was detected in writeb, and a retry was successful. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required
- Severity: Warning
- Action: (/T/S)

-
- 12068** **lpfc:xxxx:xx:xx.x Adapter error (writeb: Detected PCI parity error. Retries exhausted) vendor-id=10DF device-id=%d revision=%r**
- Description: A parity error was detected in writeb, and a retry was performed, but it failed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required if a retry by the succeeding driver is successful. If the retry failed, the HBA must be replaced or a PCI bus error is likely. Contact your Fujitsu certified service engineer. Also, if the error recurs after the retry, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12069** **lpfc:xxxx:xx:xx.x Adapter error (Resetting adapter) vendor-id=10DF device-id=%d revision=%r**
- Description: A PCI error was detected, and an HBA Reset is performed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: Not required
- Severity: Warning
- Action: (//T/S)
-
- 12070** **lpfc:xxxx:xx:xx.x Adapter error (Adapter reset failed) vendor-id=10DF device-id=%d revision=%r**
- Description: A PCI error was detected, and an HBA Reset is performed. (PCI error recovery)
 %d: Example F980
 %r: Number (1 to 3 digits)
- Corrective action: The HBA must be replaced. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 12071 lpfc:xxxx:xx:xx.x Software error (FALLIOCANCEL failed: phba is NULL)**
- Description: In fast-switched I/O cancel processing, the target HBA table cannot be referenced. (Allocation of fast switching)
- Corrective action: A driver error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 12072 lpfc:xxxx:xx:xx.x Software error (FALLIOCANCEL failed: LUN block failed)**
- Description: In the fast-switched I/O cancel processing, an attempt was made to interrupt I/O processing to a device, but it failed. (Allocation of fast switching)
- Corrective action: A kernel or multi-bus driver error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 12073 lpfc:xxxx:xx:xx.x Software error (FALLIOCANCEL failed: Abort failed(timeout). HBA resetting)**
- Description: An attempt was made to use the I/O abort process, but it failed. As a result, an HBA Reset was performed. (Application of fast switching)
- Corrective action: Not required
- Severity: Warning
- Action: (/T/S)

-
- 12074** **lpfc:xxxx:xx:xx.x Software error (FIOMPACTIVE failed: phba is NULL)**
- Description: In the fast-switched I/O cancel processing, the target HBA table cannot be referenced. (Application of fast switching)
- Corrective action: A driver error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 12075** **lpfc:xxxx:xx:xx.x Software error (FIOMPACTIVE failed: LUN unblock failed)**
- Description: In fast-switched I/O cancel processing, an attempt was made to interrupt I/O to a device, but it failed. (Application of fast switching)
- Corrective action: A kernel or multi-bus driver error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 12076** **lpfc:xxxx:xx:xx.x Software error (Device Discovery completion error)**
- Description: Device detection failed because memory allocation failed during link re-initialization performed after a timeout that occurred during reply from NameServer. (lpfc message No. 0206)
- Corrective action: A driver or system error (resource shortage) is likely. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)

- 12077 lpfc:xxxx:xx:xx.x Software error (Device Discovery completion error)**
- Description: Device detection failed because memory allocation failed during link re-initialization performed after a timeout that occurred during reply from NameServer. (lpfc message No. 0207)
- Corrective action: A driver or system error (resource shortage) is likely. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 12078 lpfc:xxxx:xx:xx.x Adapter error (bigger then rsp ring) vendor-id=10DF device-id=%d revision=%r**
- Description: The index value of the rsp ring on the port side is greater than the ring size.
 %d: deviceid vpd (example: FA00 LP10000-M2)
 %r: Number (1 to 3 digits)
- Corrective action: A driver firmware or hardware error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12079 lpfc:xxxx:xx:xx.x Software error (IOCB wake NOT set)**
- Description: The IOCB command that should immediately be processed was not processed.
- Corrective action: A driver error is likely. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)

- 12080 lpfc:xxxx:xx:xx.x Adapter error (Unknown IOCB command Data) vendor-id=10DF device-id=%d revision=%r**
- Description: An invalid IOCB command was detected during high-speed command processing (fast ring).
 %d: deviceid vpd (example: FA00 LP10000-M2)
 %r: Number (1 to 3 digits)
- Corrective action: A driver, firmware, or hardware error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12081 lpfc:xxxx:xx:xx.x Adapter error (Unknown IOCB command Data) vendor-id=10DF device-id=%d revision=%r**
- Description: An invalid IOCB command was detected during low-speed command processing (slow ring).
 %d: deviceid vpd (example: FA00 LP10000-M2)
 %r: Number (1 to 3 digits)
- Corrective action: A driver, firmware, or hardware error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12082 lpfc:xxxx:xx:xx.x Adapter error (IOCB wait timeout error) vendor-id=10DF device-id=%d revision=%r**
- Description: The IOCB command caused a timeout.
 %d: deviceid vpd (example: FA00 LP10000-M2)
 %r: Number (1 to 3 digits)
- Corrective action: A driver, firmware, or hardware error is likely. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 12083 `lpfc:xxxx:xx:xx.x` Software error (Bus Reset on target failed)**
- Description: A Bus Reset attempt on the target failed.
- Corrective action: A driver or system error (resource shortage) is likely. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12084 `lpfc:xxxx:xx:xx.x` Software error (Adapter failed to set maximum DMA length mbxStatus)**
- Description: An attempt to set the maximum DMA length failed, and the Mailbox command failed.
- Corrective action: Review the DMA length setting. If the cause is unknown or a special problem not found, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 12085 `lpfc:xxxx:xx:xx.x` Software error (unexpected ASYNC_STATUS)**
- Description: An unknown asynchronous event was detected.
- Corrective action: This is a firmware or driver failure. Contact your Fujitsu certified engineer.
- Severity: Warning
- Action: (//T/S)

- 12086** **lpfc:xxxx:xx:xx.x Adapter error (Adapter heartbeat failure; taking this port offline) vendor-id=10DF device-id=%d revision=%r**
- Description: The HBA entered the offline state since monitoring of the adapter was stopped (heartbeat lost).
 %d: Example: F980
 %r: Number (1 to 3 digits)
- Corrective action: This is a hardware or firmware failure. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 12087** **lpfc:xxxx:xx:xx.x Adapter error (Adapter maximum temperature exceeded; taking this port offline) vendor-id=10DF device-id=%d revision=%r**
- Description: The adapter entered the offline state since the temperature of the adapter reached the specified value.
 %d: Example: F980
 %r: Number (1 to 3 digits)
- Corrective action: The adapter must be replaced, and the system state (temperature) must be checked. Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

12088 lpfc:xxxx:xx:xx.x Adapter or Software error (Unprocessed Host attention) vendor-id=10DF device-id=%d revision=%r

Description: Processing was not executed because a timeout occurred during detection of event notification from hardware (Host Attention).

%d: Example: F980

%r: Number (1 to 3 digits)

Corrective action: This is a firmware or hardware failure. If the problem occurs repeatedly, ask your Fujitsu certified service engineer to replace the hardware or take other measures.

Severity: Warning

Action: (/T/S)

3.2.6 SCSI-related messages (13000 to 13172)

13000	mptscsih:iocx Software error (NULL or BAD request frame ptr)
Description:	The pointer value of a request frame is outside the applicable range.
Corrective action:	This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)
13001	mptscsih:iocx Software error (Unexpected msg function reply received)
Description:	An undefined function is specified in a reply frame.
Corrective action:	This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)
13002	mptscsih:iocx Adapter error (SCSI Initiator mode is NOT enabled) vendor-id=1000 device-id=%d revision=%r
Description:	An unsupported 32-bit PCI bus was detected during adapter installation.
Corrective action:	The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(R/M/T/S)
13003	mptscsih: Software error (Insufficient memory to add adapter)
Description:	A memory shortage was detected during adapter installation.
Corrective action:	This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)

- 13004 mptscsih: Software error (MPT adapter has no memory region defined)**
- Description: memmap could not be obtained during adapter installation.
- Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13005 mptscsih: Software error (Unable to map adapter memory)**
- Description: I/O address remapping failed during adapter installation.
- Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13006 mptscsih:iocx Software error (Unable allocate interrupt)**
- Description: An IRQ could not be obtained during adapter installation.
- Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13007 mptscsih:iocx Adapter error (Not initialize properly) vendor-id=1000 device-id=%d revision=%r**
- Description: Initialization of the adapter failed during adapter installation.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

-
- 13008 mptscsih:iocx Adapter error (pci-suspend: IOC msg unit reset failed) vendor-id=1000 device-id=%d revision=%r**
- Description: IOC message unit reset processing failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13009 mptscsih:iocx Adapter error (pci-resume: Cannot recover) vendor-id=1000 device-id=%d revision=%r**
- Description: Adapter resume processing failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13010 mptscsih:iocx Software error (Owned by PEER..skipping)**
- Description: Adapter recovery is already in progress.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13011 mptscsih:iocx Adapter error (Adapter not ready)
vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter will not be READY.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13012 mptscsih:iocx Adapter error (Adapter not ready) vendor-
id=1000 device-id=%d revision=%r**
- Description: The adapter will not be READY (alt port).
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13013 mptscsih:iocx Software error (FIFO mgmt alloc)**
- Description: An IOC request and initialization of the reply FIFO
 failed.
- Corrective action: This is a driver failure. If the error persists, contact your
 Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

-
- 13014 mptscsih:iocx Adapter error (init failure) vendor-id=1000 device-id=%d revision=%r**
- Description: Sending of the IOCInit request to the adapter failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13015 mptscsih: Adapter error (firmware upload failure)**
- Description: Adapter firmware uploading failed.
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13016 mptscsih: Software error (Already bound iocx <==> iocy)**
- Description: alt_ioc is already bound (contradiction involving detection of a dual port).
 "iocx <==> iocy" in the message indicates a logical name.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13017 mptscsih: Adapter error (firmware downloadboot failure)**
- Description: The download boot of firmware failed.
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13018** **mptscsih:iocx Adapter error (Unexpected doorbell active)**
vendor-id=1000 device-id=%d revision=%r
- Description: An unexpected Active state was detected in the adapter.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13019** **mptscsih:iocx Adapter error (IOC is in FAULT state) vendor-**
id=1000 device-id=%d revision=%r
- Description: The adapter entered the Fault state.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13020** **mptscsih:iocx Adapter error (IOC msg unit reset failed)**
vendor-id=1000 device-id=%d revision=%r
- Description: An IOC Message Unit Reset request to the adapter
 failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 13021** **mptscsih:iocx Adapter error (IO Unit reset failed) vendor-id=1000 device-id=%d revision=%r**
- Description: An IO Unit Reset request to the adapter failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13022** **mptscsih:iocx Adapter error (Wait IOC_READY state timeout) vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter did not enter the IOC_READY state, even after the specified time elapsed (15 seconds).
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13023** **mptscsih:iocx Adapter error (Can't get IOCFacts; IOC NOT READY) vendor-id=1000 device-id=%d revision=%r**
- Description: An IOCFACTS request cannot be executed because the adapter is in the NOT READY state.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

13024 mptscsih:iocx Software error (IOC reported invalid 0 request size)

Description: The specified request frame size of an IOCFacts request is 0.

Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13025 mptscsih:iocx Adapter error (Invalid IOC facts reply) vendor-id=1000 device-id=%d revision=%r

Description: The contents of the response to an IOCFacts request are incorrect.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13026 mptscsih:iocx Adapter error (Can't get IOCFacts; IOC NOT READY) vendor-id=1000 device-id=%d revision=%r

Description: A PORTFacts request cannot be executed because the adapter is in the NOT READY state.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 13027 mptscsih:iocx Adapter error (Wait IOC_OP state timeout)
vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter did not enter the IOC_OP state, even after the specified time elapsed (60 seconds).
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13028 mptscsih:iocx Adapter error (Failed to come READY after reset) vendor-id=1000 device-id=%d revision=%r**
- Description: Even after a period of 20 seconds following adapter reset, the adapter did not enter the READY state.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13029 mptscsih:iocx Adapter error (Enable Diagnostic mode FAILED) vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter did not enter diagnostic mode, even after 20 retries.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

**13031 mptscsih:iocx Adapter error (ResetHistory bit failed to clear)
vendor-id=1000 device-id=%d revision=%r**

Description: The ResetHistory bit of the adapter could not be cleared.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**13032 mptscsih:iocx Adapter error (Diagnostic reset FAILED)
vendor-id=1000 device-id=%d revision=%r**

Description: A diagnostic reset of the adapter failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**13034 mptscsih:iocx Software error (Unable to allocate Reply
Request; Chain Buffers)**

Description: Buffer allocation to the adapter failed.

Corrective action: This is a driver or kernel failure. If the error persists,
 contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13035 mptscsih:iocx Software error (Unable to allocate Sense Buffers)

Description: Sense buffer allocation to the adapter failed.

Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13036 mptscsih:iocx Adapter error (Doorbell ACK timeout) vendor-id=1000 device-id=%d revision=%r

Description: The adapter could not clear the Doorbell_S status bit.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13037 mptscsih:iocx Adapter error (Doorbell INT timeout) vendor-id=1000 device-id=%d revision=%r

Description: The adapter could not set the Doorbell_INT bit.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 13038** **mptscsih:iocx Adapter error (Handshake reply failure)**
vendor-id=1000 device-id=%d revision=%r
- Description: A handshake reply with the adapter failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13039** **mptscsih:iocx Software error (Unable to allocate event ACK**
request frame)
- Description: Acquisition of the message frame for an event ACK
 request failed.
- Corrective action: This is a driver failure. If the error persists, contact your
 Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13040** **mptscsih:iocx Adapter error (Firmware Reload FAILED)**
vendor-id=1000 device-id=%d revision=%r
- Description: Firmware reloading failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
 contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 13041** **mptscsih:iocx Adapter error (Cannot recover) vendor-id=1000 device-id=%d revision=%r**
- Description: Adapter reset processing failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13042** **mptscsih:iocx Adapter error (LogInfo) vendor-id=1000 device-id=%d revision=%r**
- Description: The LogInfo information sent in a reply from the adapter (for SCSI) is displayed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: Display the error information (LogInfo) from the HBA (LogInfo). Since this message is used to locate a problem, no corrective action is required for the message as long as it is a single message.
- Severity: Warning
- Action: (/ /T/S)
-
- 13044** **mptscsih: Software error (Unable to copy mpt_ioctl_header data)**
- Description: Header data for the ioctl command cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13045 mptscsih: Software error (Unable to copy mpt_ioctl_diag_reset struct)**
- Description: The structure of the ioctl command for HardReset cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13046 mptscsih: Adapter error (reset Failed)**
- Description: Adapter reset processing failed.
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13047 mptscsih: Software error (Unable to copy mpt_fw_xfer struct)**
- Description: The structure for downloading firmware for the ioctl command cannot be read from the user space.
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13048 mptscsih: Software error (Unable to copy f/w buffer hunk)**
- Description: Firmware cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13049 mptscsih:iocx Adapter error (IOC says it doesn't support F/W download) vendor-id=1000 device-id=%d revision=%r**
- Description: An invalid reply was returned for a firmware download request (firmware download is not supported).
%d: Example 0030
%r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13050 mptscsih:iocx Adapter error (IOC says: IOC_BUSY) vendor-id=1000 device-id=%d revision=%r**
- Description: A Busy reply was returned for a firmware download request.
%d: Example 0030
%r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13051 mptscsih:iocx Adapter error (IOC returned bad status) vendor-id=1000 device-id=%d revision=%r**
- Description: An error reply was returned for a firmware download request.
%d: Example 0030
%r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

13052 mptscsih: Software error (Not enough memory)

Description: SGL memory is insufficient.

Corrective action: This is a driver failure. If the error persists, contact your
Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13053 mptscsih: Software error (Chain required)

Description: The SGL chain is broken.

Corrective action: This is a driver failure. If the error persists, contact your
Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13054 mptscsih: Software error (Too many SG frags)

Description: There are too many SG frags.

Corrective action: This is a driver failure. If the error persists, contact your
Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13055 mptscsih: Software error (No memory available)

Description: Memory acquisition failed.

Corrective action: This is a driver or kernel failure. If the error persists,
contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13056 mptscsih: Software error (Unable to read in mpt_ioctl_iocinfo struct)

Description: The structure of the ioctl command for GetIOCIInfo cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13057 mptscsih: Software error (Structure size mismatch)

Description: The GetIOCIInfo structure is not of a matching size.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13058 mptscsih: Software error (Unable to write out mpt_ioctl_iocinfo struct)

Description: The obtained IOCIInfo cannot be written back to the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

- 13059 mptscsih: Software error (Unable to read in mpt_ioctl_targetinfo struct)**
- Description: The structure of the ioctl command for GetTargetInfo cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13060 mptscsih: Software error (No memory available)**
- Description: No memory was found for GetTargetInfo. (No free memory space was found.)
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13062 mptscsih:iocx Software error (Buffer is full but volume is available on IOC)**
- Description: The buffer became full even though volumes remain on the IOC.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13063 mptscsih:iocx Software error (Buffer is full but more targets are available on IOC)**
- Description: The buffer became full even though targets remain on the IOC.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13064 mptscsih: Software error (Unable to write out mpt_ioctl_targetinfo struct)**
- Description: The obtained TargetInfo cannot be written back to the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13066 mptscsih: Software error (Unable to read in mpt_ioctl_test struct)**
- Description: The structure of the ioctl command for ReadTest cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13067 mptscsih: Software error (Unable to write out mpt_ioctl_test struct)**
- Description: The structure of the ioctl command for ReadTest cannot be written back to the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13068 mptscsih: Software error (Unable to read in mpt_ioctl_eventquery struct)**
- Description: The structure of the ioctl command for EventQuery cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13069 mptscsih: Software error (Unable to write out mpt_ioctl_eventquery struct)**
- Description: The structure of the ioctl command for EventQuery cannot be written back to the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

**13070 mptscsih: Software error (Unable to read in
mpt_ioctl_eventenable struct)**

Description: The structure of the ioctl command for EventEnable cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**13071 mptscsih: Software error (Insufficient memory to add
adapter)**

Description: EventEnable memory cannot be allocated.

Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**13072 mptscsih: Software error (Unable to read in
mpt_ioctl_eventreport struct)**

Description: The structure of the ioctl command for EventReport cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**13073 mptscsih: Software error (Unable to write out
mpt_ioctl_eventreport struct)**

Description: The structure of the ioctl command for EventReport cannot be written back to the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**13074 mptscsih: Software error (Unable to read in
mpt_ioctl_replace_fw struct)**

Description: The structure of the ioctl command for ReplaceFW cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**13075 mptscsih: Software error (Unable to read in
mpt_ioctl_replace_fw image)**

Description: Firmware for the ReplaceFW ioctl command cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

- 13076 mptscsih: Software error (Unable to read in mpt_ioctl_command struct)**
- Description: The structure of the ioctl command for MPTCommand cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13077 mptscsih: Software error (No memory available during Software init)**
- Description: Memory that can be used for software initialization is not available.
- Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13078 mptscsih: Adapter error (Busy with IOC Reset)**
- Description: Executing IOC Reset, the adapter is in the Busy state.
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 13079 mptscsih: Software error (Request frame too large)**
- Description: The Request frame size specified by the ioctl command is greater than the maximum value.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13080 mptscsih: Software error (Unable to read MF from mpt_ioctl_command struct)**
- Description: The Message Frame of the ioctl command cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13081 mptscsih: Software error (Target ID out of bounds)**
- Description: The Target ID value specified in a SCSI IO request is outside the applicable range.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13082 mptscsih: Software error (SCSI Software is not loaded)**
- Description: A SCSI IO request is specified, but the SCSI driver has not been loaded.
- Corrective action: Load the SCSI driver. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13084 mptscsih: Adapter or Software error (SCSI Software not loaded or SCSI host not found)**
- Description: A SCSI Task Management request is specified. However, either the SCSI host has not been found or the SCSI driver has not been loaded.
- Corrective action: Load the SCSI driver or incorporate the HBA. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13085 mptscsih: Software error (IOC_INIT issued with 1 or more incorrect parameters.Rejected)**
- Description: An incorrect parameter is specified in an IOC Init request.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

13086 mptscsih: Software error (Illegal request)

Description: An undefined request (function) is specified for the ioctl command.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13087 mptscsih: Software error (Unable to read user data struct)

Description: User data for the ioctl command cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13088 mptscsih: Adapter error (Timeout Occurred on IOCTL! Reset IOC)

Description: The IOC Reset ioctl command was not completed within the specified time.

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 13089 mptscsih: Software error (Unable to write out reply frame)**
- Description: The ioctl command for Reply Frame cannot be written to the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13090 mptscsih: Software error (Unable to write sense data to user)**
- Description: Sense data for the ioctl command cannot be written to the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13091 mptscsih: Software error (Unable to write data to user)**
- Description: Data for the ioctl command cannot be written to the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

13092 mptscsih: Software error (Unable to read in hp_host_info struct)

Description: The structure of the HPHostInfo command cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13093 mptscsih: Software error (Unable to write out hp_host_info)

Description: The structure of the HPHostInfo command cannot be written to the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13094 mptscsih: Software error (Unable to read in hp_host_targetinfo struct)

Description: The structure of the HPTargetInfo command cannot be read from the user space.

Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

- 13095 mptscsih: Software error (Unable to write out mpt_ioctl_targetinfo struct)**
- Description: The structure of the HPTargetInfo command cannot be written to the user space.
- Corrective action: The API and the driver do not match. Check their versions. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13096 mptscsih: Software error (Can't register misc device)**
- Description: Registration of a misc device failed.
- Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13097 mptscsih: Software error (Failed to register with Fusion MPT base Software)**
- Description: Registration of the callback handler for the fusion MPT base software failed.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13099 mptscsih:iocx Software error (NULL ScsiCmd ptr)**
- Description: The ScsiCmd parameter has an incorrect pointer value.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13100 mptscsih:iocx Adapter error (Skipping because it's not operational) vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter is not in an operable state.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: Replace the HBA. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13101 mptscsih:iocx Adapter error (Skipping because it's disabled) vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter is in the Disable state.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: Replace the HBA. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13102 mptscsih:iocx Adapter error (SCSI Initiator mode is NOT enabled) vendor-id=1000 device-id=%d revision=%r**
- Description: The IOC is not in Initiator mode.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

-
- 13103 mptscsih:iocx Software error (Unable to register controller with SCSI subsystem)**
- Description: The controller cannot be registered.
- Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13104 mptscsih: Software error (DV thread still active)**
- Description: The DV thread is still active.
- Corrective action: This is a driver or kernel failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13105 mptscsih: Software error (TMHandler NULL ioc)**
- Description: A SCSI Task Management request is specified, but the SCSI driver has not been loaded.
- Corrective action: Load the SCSI driver. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13106 mptscsih:iocx Adapter error (IOC issue of TaskMgmt failed) vendor-id=1000 device-id=%d revision=%r**
- Description: Issuing a SCSI Task Management request failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

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13111 mptscsih:iocx Software error (slave_alloc kmalloc FAILED)
```

Action: (//T/S)

- 13113 mptscsih:iocx Software error (ScanDvComplete)**
- Description: The pointer value of a request frame is null or outside the applicable range.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13114 mptscsih:iocx Software error (ScanDvComplete)**
- Description: The pointer value of a request frame does not match the command pointer value.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13115 mptscsih:iocx Adapter error (Firmware Reload FAILED)
vendor-id=1000 device-id=%d revision=%r**
- Description: Firmware reloading failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13116 mptscsih:iocx Software error (Null cmdPtr)**
- Description: The command pointer value is null.
- Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 13117 mptscsih:iocx Device error (Release failed) vendor-id=1000 device-id=%d revision=%r**
- Description: The SCSI release command failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: Replace the hard disk drive. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13119 mptscsih: Software error (unexpected boot option ignored)**
- Description: The boot option of the SCSI software is outside the specified range.
- Corrective action: The insmod option is outside the specified range. Check the value. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 13120 mptscsih:iocx Adapter error (detects pci parity error) vendor-id=1000 device-id=%d revision=%r**
- Description: A parity error occurred in reading to the PCI. The operation will be retried (this message is displayed for the initial occurrence of the error).
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

13121 mptscsih:iocx Adapter error (detects pci parity error) vendor-id=1000 device-id=%d revision=%r

Description: A parity error occurred in reading to the PCI. The operation was retried the maximum number of times.
%d: Example 0030
%r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13122 mptscsih:iocx Adapter error (couldn't read pci register) vendor-id=1000 device-id=%d revision=%r

Description: Reading the s status register of the PCI failed.
%d: Example 0030
%r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13123 mptscsih:iocx Adapter error (detects pci parity error) vendor-id=1000 device-id=%d revision=%r

Description: A parity error occurred in reading a PCI status register. The operation will be retried (this message is displayed for the initial occurrence of the error).

%d: Example 0030

%r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13124 mptscsih:iocx Adapter error (detects pci parity error) vendor-id=1000 device-id=%d revision=%r

Description: A parity error occurred in reading a PCI status register. The operation was retried the maximum number of times.

%d: Example 0030

%r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13125 mptscsih:iocx Adapter error (detects pci parity error) vendor-id=1000 device-id=%d revision=%r

Description: A parity error was detected during DMA transfer.

%d: Example 0030

%r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. If replacing the HBA does not solve the problem, replace the device it is connected to (e.g., IO Unit, PCI-BOX). Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13126 mptscsih:iocx Software error (Failed to alloc memory)

Description: The acquisition of system memory failed.

Corrective action: A driver or kernel problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13127 mptscsih:iocx Software error (PCI-MSI enabled)

Description: The message signal interrupt (MSI) function cannot be enabled.

Corrective action: A driver or kernel problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13128 mptscsih: Software error (host page buffers free failed)

Description: The Host Page Buffer failed to be released.

Corrective action: The HBA is disconnected. Replace the HBA. Contact your Fujitsu certified engineer.

Severity: Warning

Action: (/T/S)

13129 mptscsih:iocx Adapter error (Sending IOCInit failed) vendor-id=1000 device-id=%d revision=%r

Description: The MPT request/reply wait processing for the adapter failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13130 mptscsih:iocx Adapter error (Sending PortEnable failed) vendor-id=1000 device-id=%d revision=%r

Description: The PortEnable request for the adapter failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13133 mptscsih:iocx Software error (Received a mf that was already freed)

Description: An attempt was made to release a message frame that had already released.

Corrective action: A driver problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13134 mptscsih:iocx Adapter error (target reset) vendor-id=1000 device-id=%d revision=%r

Description: This message displays the results of the issued Target Reset.
%d: Example 0030
%r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13135 mptscsih:iocx Adapter error (bus reset) vendor-id=1000 device-id=%d revision=%r

Description: This message displays the results of the issued Bus Reset.
%d: Example 0030
%r: Number (1 to 3 digits)

Corrective action: The HBA needs to be replaced. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 13136 mptscsih:iocx Device error (Received a mf that was already freed) vendor-id=1000 device-id=%d revision=%r**
- Description: Target Reset for the device failed.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: A device problem may have occurred. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 13137 mptscsih:iocx Adapter error (mpt_turbo_reply: Invalid cb_idx) vendor-id=1000 device-id=%d revision=%r**
- Description: The cb_idx value is invalid (turbo reply).
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA must be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13138 mptscsih:iocx Adapter error (mpt_reply: Invalid cb_idx) vendor-id=1000 device-id=%d revision=%r**
- Description: The cb_idx value is invalid (non-turbo reply).
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA must be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 13139 mptscsih:iocx Adapter error (LogInfo) vendor-id=1000 device-id=%d revision=%r**
- Description: A reply was returned from the adapter FW to the LogInfo information (for SAS).
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: Not required because the message is for error identification only.
- Severity: Warning
- Action: (//T/S)
-
- 13140 mptscsih:iocx Adapter error (Skipping because it's not operational) vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter status is other than OPERATIONAL.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA must be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 13141 mptscsih:iocx Adapter error (Skipping because it's disabled) vendor-id=1000 device-id=%d revision=%r**
- Description: The adapter is disabled.
 %d: Example 0030
 %r: Number (1 to 3 digits)
- Corrective action: The HBA must be replaced. If the error persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

13142 mptscsih:iocx Adapter error (Skipping because SCSI Initiator mode is NOT enabled) vendor-id=1000 device-id=%d revision=%r

Description: The IOC is not in Initiator mode.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: The HBA must be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13143 mptscsih:iocx Software error (Unable to register controller with SCSI subsystem)

Description: The controller cannot be registered.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: A driver or kernel error is likely. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13144 mptscsih:iocx Software error (F/W Response)

Description: A reply was returned from the HBA (FW) to Task Management cmd.
 %d: Example 0030
 %r: Number (1 to 3 digits)

Corrective action: Not required because the message is for error identification only.

Severity: Warning

Action: (/T/S)

13145 mptscsih: Software error (no msg frames)

Description: Acquisition of the message frame for SAS persist operation failed.

Corrective action: This is a driver failure. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

13146 mptscsih: Adapter error (operation failed)

Description: SAS persistent operation failed.

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13147 mptscsih: Adapter error (Controller disabled)

Description: Controller's state is not active.

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13148 mptscsih: Adapter error (reset failed)

Description: HBA reset failed.

Corrective action: The HBA needs to be replaced. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13149 mptscsih: Software error (Failed to register with Fusion MPT base driver)

Description: Registration of callback handler for fusion MPT base driver failed.

Corrective action: A driver error is likely. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13150 mptscsih: Software error (slave_alloc kzalloc failed)

Description: System memory allocation failed.

Corrective action: A driver or kernel error is likely. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13151 mptscsih: Software error (dma_alloc_coherent for parameters failed)

Description: System memory allocation failed.

Corrective action: A driver or kernel error is likely. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

13152 mptscsih: Software error (mpt_config failed)

Description: Config message issuance failed.

Corrective action: A driver or kernel error is likely. If the error persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

-
- 13153 mptscsih:iocx Adapter error (readl: detects master abort)
vendor-id=1000 device-id=%d revision=%r**
- Description: A master abort error occurred during PCI reading and
retries were unsuccessful.
%d: Example 0030
%r: Number (1 to 3 digits)
- Corrective action: The HBA needs to be replaced. If the error persists,
contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13154 mptscsih:iocx Software error (mptscsih_slave_destroy is
NULL)**
- Description: An attempt was made to release a device frame that had
already been released.
- Corrective action: A driver or kernel failure may have occurred. If the
problem persists, contact your Fujitsu certified service
engineer.
- Severity: Warning
- Action: (/T/S)
-
- 13155 mptscsih:iocx Software error (mptsas_hotplug_print:
Notified id is invalid)**
- Description: An ID error was detected when a message about
removal or adding of a device was output.
- Corrective action: An HBA or kernel failure may have occurred. If the
problem persists, contact your Fujitsu certified service
engineer.
- Severity: Warning
- Action: (/T/S)

- 13156 mptscsih:iocx Software error (mptsas_remove_target: Notified id is invalid)**
- Description: The ID reported by the adapter when an SAS disk was removed exceeds the maximum value.
- Corrective action: An HBA or kernel failure may have occurred. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 13157 mptscsih:iocx Software error (mptsas_add_device: Notified id is invalid)**
- Description: The ID reported by the adapter when an SAS disk was mounted exceeds the maximum value.
- Corrective action: An HBA or kernel failure may have occurred. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 13158 mptscsih:iocx Software error (mptsas_scan_target: Notified id is invalid)**
- Description: The ID reported by the adapter when an SAS disk was scanned exceeds the maximum value.
- Corrective action: An HBA or kernel failure may have occurred. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)

- 13159** **mptscsih:iocx Software error (mptsas_hotplug_work:
Notified id is invalid)**
- Description: The ID reported by the adapter when an interrupt for
SAS disk hot plugging was generated exceeds the
maximum value.
- Corrective action: An HBA or kernel failure may have occurred. If the
problem persists, contact your Fujitsu certified service
engineer.
- Severity: Warning
- Action: (/T/S)
-
- 13160** **mptscsih: Software error (Target Bus out of bounds)**
- Description: The bus number specified for the SCSIIO request is
outside the applicable range.
- Corrective action: The API and the driver do not match. Check their
versions.
- Severity: Warning
- Action: (/T/S)
-
- 13161** **mptscsih: iocx Adapter error (IOC Not operational) vendor-
id=1000 device-id=%d revision=%r**
- Description: The adapter state is other than OPERATIONAL.
%d: Example: 0030
%r: Number (1 to 3 digits)
- Corrective action: Replace the HBA. If the problem persists, contact your
Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

13162 mptscsih: Adapter error (HardReset FAILED!!)

Description: A hardware reset of the adapter failed.

Corrective action: Replace the HBA. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13163 mptscsih: iocx Adapter error (ioc_state: DOORBELL_ACTIVE) vendor-id=1000 device-id=%d revision=%r

Description: The DOORBELL_ACTIVE flag for state in the adapter was in the Active state.
 %d: Example: 0030
 %r: Number (1 to 3 digits)

Corrective action: Replace the HBA. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

13164 mptscsih: Software error (lost hotplug event)

Description: Allocation of memory for hot-plug processing failed.

Corrective action: This is a driver or kernel failure. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

- 13165** **mptscsih:iocx Adapter error (mpt_turbo_reply: Invalid REPLY_TYPE) vendor-id=1000 device-id=%d revision=%r**
- Description: The pa value is invalid (turbo reply).
 %d: Example: 0030
 %r: Number (1 to 3 digits)
- Corrective action: Replace the HBA. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 13166** **mptscsih:iocx Adapter error (IOCStatus) vendor-id=1000 device-id=%d revision=%r**
- Description: The IOCStatus information returned from the adapter FW is displayed.
 %d: Example: 0030
 %r: Number (1 to 3 digits)
- Corrective action: The displayed error information (IOCStatus) was returned from the HBA (FW). No corrective action is required for this message, because the message is for error identification only.
- Severity: Warning
- Action: (/T/S)
-
- 13167** **mptscsih: Adapter error (LogInfo)**
- Description: The LogInfo information (for SAS) returned from the adapter FW is displayed.
- Corrective action: The displayed error information (IOCStatus) was returned from the HBA (FW). No corrective action is required for this message, because the message is for error identification only.
- Severity: Warning
- Action: (/T/S)

- 13168 mptscsih: Software error (Unable to allocate memory)**
- Description: Memory cannot be acquired for a buffer.
- Corrective action: The API and the driver do not match. Check their versions.
- Severity: Warning
- Action: (/T/S)
-
- 13169 mptscsih: Software error (Unable to copy mpt_fw)**
- Description: The structure of the ioctl command used for FW download cannot be read from the user space.
- Corrective action: The API and the driver do not match. Check their versions.
- Severity: Warning
- Action: (/T/S)
-
- 13170 mptscsih:iocx Software error (Target_List=NULL)**
- Description: There is no Target List corresponding to the bus number specified for the SCSIIO request.
- Corrective action: The API and the driver do not match. Check their versions.
- Severity: Warning
- Action: (/T/S)
-
- 13171 mptscsih:iocx Adapter error (HardResetHandler FAILED!!)
 vendor-id=1000 device-id=%d revision=%r**
- Description: Hard Reset processing of the adapter failed.
 %d: Example: 0030
 %r: Number (1 to 3 digits)
- Corrective action: Replace the HBA. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

**13172 mptscsih:iocx Adapter or Software error (Invalid channel)
vendor-id=1000 device-id=%d revision=%r**

Description: The specified channel value is larger than the maximum value.

 %d: Example: 0030

 %r: Number (1 to 3 digits)

Corrective action: This is an HBA or driver failure. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

3.2.7 SCSI upper layer messages (14000 to 14165)

14000 sd: Software error (Unknown command)

Description: This is a software error. The request structure has an incorrect flag.

Corrective action: This is a failure of the driver that issued the request to sd. Issue a software incident report. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14001 sd:sd[a-z]* Device error (Not ready) vendor=%v model=%m serial-no=%ser

Description: This is a device error. The device stays in an abnormal state even after the TEST_UNIT_READY command is executed three times, or UNIT_ATTENTION is not cleared.

 %v: Vendor, e.g., FUJITSU

 %m: Manufacture, e.g., MAP3367NC

 %ser: Serial number, e.g., 01234567

Corrective action: If the device is a single drive, replace the disk.
 If the device is ETERNUS, check the ETERNUS. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 14002** **sd:sd[a-z]* Device error (Not ready) vendor=%v model=%m serial-no=%ser**
- Description: This is a device error.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: If the device is a single drive, replace the disk.
 If the device is ETERNUS, check the ETERNUS. If the
 problem persists, contact your Fujitsu certified service
 engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14003** **sd:sd[a-z]* Device error (READ CAPACITY failed) vendor=%v model=%m serial-no=%ser**
- Description: This is a device error. An error occurred in execution
 of the READ CAPACITY command.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: If the device is a single drive, replace the disk.
 If the device is ETERNUS, check the ETERNUS. If the
 problem persists, contact your Fujitsu certified service
 engineer.
- Severity: Warning
- Action: (R/M/T/S)

**14004 sd:sd[a-z]* Device error (READ CAPACITY failed) vendor=%v
model=%m serial-no=%ser**

Description: An error is returned for execution of the READ
CAPACITY command (16).

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: If the device is a single drive, replace the disk.
If the device is ETERNUS, check the ETERNUS.

Severity: Warning

Action: (R/M/T/S)

**14005 sd:sd[a-z]* Device error
(DISK size too big) vendor=%v model=%m serial-no=%ser**

Description: This is a device error. The disk size is too large
(exceeds 2 TB).

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: If the device is a single drive, replace the disk.
If the device is ETERNUS, check the ETERNUS. If the
problem persists, contact your Fujitsu certified service
engineer.

Severity: Warning

Action: (R/M/T/S)

**14006 sd: Device error (sector size 0 reported) vendor=%v
model=%m serial-no=%ser**

Description: The hard disk drive did not report the sector size (0 was reported).

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: If the device is a single drive, replace the disk.
If the device is ETERNUS, check the ETERNUS. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

**14007 sd:sd[a-z]* Device error
(unsupported sector size) vendor=%v model=%m serial-no=%ser**

Description: This is a device error. The hard disk drive reported a sector size that is not 256, 512, 1024, 2048, or 4096. The hard disk drive cannot be used with Linux. The FORMAT_UNIT command must be executed again.

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: If the device is a single drive, replace the disk.
If the device is ETERNUS, check the ETERNUS. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

14008 sd: Software error (Request allocation failure)

Description: Memory is insufficient (the Start Unit or Read Capacity command cannot be executed).

Corrective action: Memory is insufficient in the kernel.
Check the system configuration, and take appropriate measures including those that reduce system load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14009 sd: Software error (Memory allocation failure)

Description: Memory is insufficient (the Start Unit or Read Capacity command cannot be executed).

Corrective action: Memory is insufficient in the kernel.
Check the system configuration, and take appropriate measures including those that reduce system load.

Severity: Warning

Action: (/ /T/S)

**14010 sr:sr[0-9]* Device error
(Recovered error) vendor=%v model=%m**

Description: Input/output operation ended with SK = RECOVERED ERROR.

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

Corrective action: Because Sense key = Recovered Error, perform cleaning, and then replace the media. If the above actions do not correct the error, replace the drive. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14012 sr: Software error (bad sector size)

Description: A driver failure may have occurred. The sector size must be 512, 1024, or 2048 in internal processing, but the actual size is different.

Corrective action: Investigate the sr driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14013 sr:sr[0-9]* Device error (unsupported sector size) vendor=xxxxxxx model=xxxxxxx

Description: This is a device error. The sector size cannot be supported by sr.
%v: Vendor, e.g., FUJITSU
%m: Manufacture, e.g., MAP3367NC

Corrective action: The current media cannot be used. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14014 sr: Software error (Request allocation failure)

Description: Memory is insufficient. The Mode Sense command (Page 0x2a) was about to be issued to check the device capacity, but failed because of insufficient memory.

Corrective action: Expand memory, or reduce the system load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14015 sr: Software error (out of memory)

Description: Memory is insufficient. The Mode Sense command (Page 0x2a) was about to be issued to check the device capacity, but failed because of insufficient memory.

Corrective action: Expand memory, or reduce the system load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

14016 st:st[0-9]* Device error (Error with sense data) vendor=%v model=%m

Description: This is a device error with sense data.
%v: Vendor, e.g., FUJITSU
%m: Manufacture, e.g., MAP3367NC

Corrective action: Check the Sense key in the original data to determine the appropriate corrective action.

Medium Error:	Perform cleaning, and replace the tape.
Illegal Request:	Check software.
Data Protect:	Write-protected. Check the protect switch of the media.
Blank Check:	Tape positioning error. Check the operation.
Unit Attention:	A reset occurred, or the media has been replaced. Check the HBA, transmission line, and Target.
Aborted Command	An error in the HBA, transmission line, or Target may have occurred.
Others:	Replace the drive.

If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 14017 st:st[0-9]* Device error vendor=%v model=%m**
- Description: This is a device error without sense data.
 The returned value received from the HBA is displayed
 as is.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: Replace the block whose fault location is unknown.
 If the problem persists, contact your Fujitsu certified
 service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14018 st:st[0-9]* Device error (Stepping over filemark forward
failed) vendor=%v model=%m**
- Description: This is a fast-forward or rewind error in the device.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: If system recovery cannot be accomplished by cleaning
 or tape replacement, replace the drive. If the problem
 persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14019 st:st[0-9]* Device error (Error on flush)
vendor=%v model=%m**
- Description: This is a write error in the device (EIO).
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: See the message output immediately prior to this
 message, and take the appropriate corrective action. If
 the problem persists, contact your Fujitsu certified
 service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 14020 st:st[0-9]* Device error (Can't set default drive buffering mode) vendor=%v model=%m**
- Description: This is a device error. Changing the buffering mode of the tape drive (MODE_SELECT) failed.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: Replace the drive. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14021 st:st[0-9]* Software error (Can't allocate tape buffer)**
- Description: Memory is insufficient. Buffer expansion failed.
- Corrective action: Review the system design, or expand memory. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14022 st:st[0-9]* Device error (Error on write filemark) vendor=%v model=%m**
- Description: This is a device error. The write file mark command failed.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: If system recovery cannot be accomplished by cleaning or tape replacement, replace the drive. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

-
- 14023 st:st[0-9]* Device error (Can't set default compression)
vendor=%v model=%m**
- Description: This is a device error or setting error. Setting the default compression density failed.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: If no problem is found in backup software settings, replace the drive. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14024 st:st[0-9]* Device or Software error (Overrun) vendor=%v
model=%m**
- Description: This is a device error or application software error. An overrun occurred in a variable-length device.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: Replace the drive. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14025 st:st[0-9]* Device or Software error (Incorrect block size)
vendor=%v model=%m**
- Description: This is a device error or application software error. For a fixed-length device, an incorrect block size is specified or the size to be set for the read operation is incorrect.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: Check the block size for the read operation. If no problem is found in the block size, replace the drive. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

14026 st:st[0-9]* Software error (Illegal block size)

Description: This is an application software error. The block size that the application attempts to set is outside the block size range permitted by the device.

Corrective action: Correct the specified block size. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14027 st:st[0-9]* Device or Software error (Partitioning of tape failed) vendor=%v model=%m

Description: This is a device error or application software error: partition setup of the tape device failed.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC

Corrective action: Check whether the drive supports partition settings. If not, correct the software settings. If the drive supports partition settings, replace the drive. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

14028 st:st[0-9]* Software error (not root)

Description: This is an operation error. A user without root privilege is attempting to change settings with the MTSETDRVBUFFER command.

Corrective action: If necessary, contact the system administrator.

Severity: Warning

Action: (/ /T/S)

14029**st: Software error (Can't allocate new tape buffer)**

Description: Memory is insufficient. Kernel memory for buffering cannot be allocated during driver initialization (the device cannot be identified since this error occurs before the name is determined during the initialization).

Corrective action: Review the system design, or expand memory. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14030**st: Software error (failed to enlarge buffer)**

Description: Memory is insufficient. Buffer memory allocation failed during initialization or open processing.

Corrective action: Review the system design or expand memory. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14031**st: Software error (overflow)**

Description: This is a driver failure. An attempt was made to copy a new write request to a buffer located in the kernel, but an overflow occurred.

Corrective action: Inspect the driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14032 st: Software error (overflow)

Description: This is a driver failure. An attempt was made to copy a write request to a buffer located in the kernel, but an overflow occurred.

Corrective action: Inspect the driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14033 st: Software error (overflow)

Description: This is a driver failure. An attempt was made to copy a read request from a buffer located in the kernel during processing of a read request, but a contradiction occurred in the buffer state.

Corrective action: Inspect the driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14034 t: Software error (overflow)

Description: This is a driver failure. An attempt was made to copy a read request from a buffer located in the kernel during processing of a read request, but a contradiction occurred in the buffer state.

Corrective action: Inspect the driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14035 t: Software error (overflow)

Description: This is a driver failure. An attempt was made to move a write request from a buffer located in the kernel during processing of a read request, but a contradiction occurred in the buffer state.

Corrective action: Inspect the driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14036 st: Software error (Device not attached)

Description: Memory is insufficient. The device was detected. However, the device cannot be controlled since a buffer could not be allocated in the kernel.

Corrective action: Memory is insufficient in the kernel. Add memory, reduce load, and so forth. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14037 st: Software error (Device not attached)

Description: Memory is insufficient. The device was detected. However, the device cannot be controlled since a control table could not be allocated.

Corrective action: Memory is insufficient in the kernel. Add memory, reduce load, and so forth. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14038 st: Software error (Can't extend device array)

Description: Memory is insufficient. The control table for a new device could not be expanded.

Corrective action: Memory is insufficient in the kernel. Add memory, reduce load, and so forth. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14039 st: Software error (Can't allocate device descriptor)

Description: Memory is insufficient. A control table cannot be allocated.

Corrective action: Memory is insufficient in the kernel. Add memory, reduce load, and so forth. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14040 st:st[0-9]*: Software error (Device not attached)

Description: Memory is insufficient. Registration processing of a character device failed.

Corrective action: Memory is insufficient in the kernel. Expand memory, or reduce the system load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14041 st:st[0-9]* Software error (Can't add rewind mode)

Description: Memory is insufficient. Registration processing of a character device failed.

Corrective action: Memory is insufficient in the kernel. Add memory, reduce load, and so forth. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14044 st: Software error (Unable to get major number for SCSI tapes)

Description: This is a system error. Registration of the major number of a driver failed.

Corrective action: Uninstall the driver that is using the major number of st, and reboot the system. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14045 sg: Software error (NULL request)

Description: This is a driver error. A contradiction occurred.

Corrective action: Inspect the driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14046 sg: Software error (device array cannot be resized)

Description: Memory is insufficient. The control table cannot be secured.

Corrective action: Add memory or reduce load. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14047 scsi: Software error (Bad queue type)

Description: This is a driver error.

Corrective action: Inspect the driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

- 14048 scsi: Software error (SCSI subsystem Initialization failed)**
- Description: This is a system error. SCSI initialization failed.
- Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14049 scsi: Software error (Old type LLD Driver)**
- Description: An old driver whose interface does not match the current system is being used.
- Corrective action: Inspect the software. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14050 scsi: Software error (Old type LLD Driver)**
- Description: An old driver whose interface does not match the current system is being used.
- Corrective action: Update the driver. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14051 scsi: Software error (Strange LLD Driver)**
- Description: An old driver whose interface does not match the current system is being used.
- Corrective action: Update the driver. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

14052 scsi: Software error (SCSI internal ioctl failed)

Description: Memory is insufficient in the kernel.

Corrective action: Add memory or reduce load. If the problem persists,
contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14053 scsi: Software error (SCSI device (ioctl) reports ILLEGAL REQUEST)

Description: This is an ioctl error.

Corrective action: Check the software that issues ioctl. If the problem
persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**14054 scsi:host n id n lun n Device error (ioctl error) vendor=%v
model=%m serial-no=%ser**

Description: This is an ioctl error.

 %v: Vendor, e.g., FUJITSU

 %m: Manufacture, e.g., MAP3367NC

 %ser: Serial number, e.g., 01234567

Corrective action: Check the host, id, and lun to find out the type of the target device, and check the Sense key in the original message (extended sense) to determine the appropriate corrective action.

1 (Recovered Error): For a removable device, perform cleaning.

2 (Not Ready): For a non-removable device, replace the device.

3 (Medium Error): For a hard disk drive, replace the device.

For removable media, perform cleaning, and replace the media.

4 (Hardware Error): Replace the device.

5 (Illegal Request): Check software.

6 (Unit Attention): This information is notification from different types of devices. (It indicates, for example, a reset condition and the degraded state of a RAID device.)

7 (Data Protect): Check the write-protected state.

8 (Blank Check): Check the operation of a tape device, etc.

b (Aborted Command): Check for a problem in the SCSI bus or Fibre Channel transmission line.

If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 14055 scsi: Software error (cannot allocate scsi_result)**
- Description: Kernel memory is insufficient.
- Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14056 scsi:host n channel n id n lun n Device error (offlined)
vendor=%v model=%m serial-no=%ser**
- Description: This is a device error. A SCSI device is offline.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: Replace the device. For the cause of the error, see the error message output immediately prior to this message. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14057 scsi:scsi%h(%c,%i,%l)host n channel n id n lun n Software
error (reservation conflict)**
- Description: A software error occurred.
 %h, %c, %i, and %l indicate the host, channel, id, and lun numbers respectively.
- Corrective action: There is a problem in the operation method or in the software that uses the RESERVE or RELEASE command.
- Severity: Warning
- Action: (/ /T/S)

Description:	Kernel memory is insufficient.
Corrective action:	Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(/ /T/S)

Description:	This is a device error. %v: Vendor, e.g., FUJITSU %m: Manufacture, e.g., MAP3367NC %ser: Serial number, e.g., 01234567
Corrective action:	Replace the drive. If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(R/M/T/S)

Description:	Error: Medium error or Volume overflow sxx is either sd[a-z]* or st[0-9]*. %v: Vendor, e.g., FUJITSU %m: Manufacture, e.g., MAP3367NC %ser: Serial number, e.g., 01234567
Corrective action:	For a tape device, perform cleaning or replace the media. For a hard disk drive, replace the drive. If the problem persists, contact your Fujitsu certified service engineer.
Severity:	Warning
Action:	(R/M/T/S)

14061**scsi:<h c i l> Device error (SCSI command retry out)
vendor=%v model=%m serial-no=%ser**

Description: The SCSI command ended with an error (retry-out).
<hcil>:host, channel, id, and lun numbers.

Example <1020>

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: Check the type of the target device, and check the Sense key in the original message (extended sense) to determine the appropriate corrective action.

- 1 (Recovered Error): For a removable device, perform cleaning.
- 2 (Not Ready): For a non-removable device, replace the device.
- 3 (Medium Error): For a hard disk drive, replace the device.
For removable media, perform cleaning or replace the media.
- 4 (Hard Error): Replace the device.
- 5 (Illegal Request): Check software.
- 6 (Unit Attention): This information is notification from different types of devices. (It indicates, for example, a reset condition and the degraded state.)
- 7 (Data Protect): Check the write-protected state.
- 8 (Blank Check): Check the operation of a tape device, etc.
- b (Aborted Command): Check for a problem in the SCSI bus or Fibre Channel transmission line.

If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

14062 scsi: Software error (Incorrect number of segments)

Description: This is a software error.

Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14063 scsi: Software error (impossible request)

Description: This is a software error.

Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14064 scsi: Software error (can't init sg slab)

Description: Memory is insufficient.

Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14065 scsi: Software error (can't init sg mempool)

Description: Memory is insufficient.

Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14066**scsi: Software error (Allocation failure)**

Description: Memory is insufficient. If the problem persists, contact your Fujitsu certified service engineer.

Corrective action: Add memory or reduce load.

Severity: Warning

Action: (/T/S)

14067**scsi: Software error (Device configuration error)**

Description: This is a device configuration error. A current setting allows for a response to the INQUIRY command of X bytes. However, the command failed.

Corrective action: The information specified with echo "vendor:model:flag" > /proc/scsi/device_info may not match hardware. Check the setting.
If the setting is entirely correct, a SCSI device may have failed. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

14068**scsi: Device error (inquiry failed)**

Description: This is a device error.

Corrective action: Replace or remove the device. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

14069 scsi: Software error (Allocation failure)

Description: Memory is insufficient. Device scanning ended without being completed because of insufficient memory.
 Recognition of some devices may have failed.

Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14070 scsi:host n channel n id n Device error (Device configuration error) vendor=%v model=%m serial-no=%ser

Description: This is a device configuration error. The number of LUNs reported by the device exceeded the limit that can be supported by the operating system.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567

Corrective action: Specify a larger value for max_scsi_report_luns, or reduce the number of LUNs in the device. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

-
- 14071 scsi:host n channel n id n Device error (Device configuration error) vendor=%v model=%m serial-no=%ser**
- Description: This is a device configuration error. The number of LUNs reported by the device exceeded the limit that can be supported by the operating system.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: Reduce the number of LUNs in the device. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14072 scsi:host n channel n id n Device error (Device configuration error) vendor=%v model=%m serial-no=%ser**
- Description: This is a device configuration error.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: If all LUNs must be used, the ETERNUS configuration needs to be changed.
 If it is acceptable that some devices remain unusable, no corrective action is required. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 14073 scsi:host n channel n id n lun n Device error (Unexpected response) vendor=%v model=%m serial-no=%ser**
- Description: Scanning processing of a SCSI device was interrupted because an error occurred. The reasons for the interruption are displayed individually before this message.
- %v: Vendor, e.g., FUJITSU
- %m: Manufacture, e.g., MAP3367NC
- %ser: Serial number, e.g., 01234567
- Corrective action: Recognition of some devices failed. Correct the cause, and reboot the system. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14074 scsi: Software error (Allocation failure)**
- Description: Memory is insufficient.
- Corrective action: The cause is displayed in a message output prior to this message. See that message, and take the appropriate corrective action. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14075 scsi: Software error (no memory)**
- Description: Memory is insufficient.
- Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

- 14076 scsi: Software error (proc_mkdir failed)**
- Description: This is a software error. proc_mkdir() failed.
- Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14077 scsi: Software error (Failed to register)**
- Description: This is a software error.
- Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14078 scsi: Software error (rejecting I/O to dead device)**
- Description: The device does not exist.
- Corrective action: Check the operation. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14079 scsi: Software error (rejecting I/O to device being removed)**
- Description: The device does not exist.
- Corrective action: Check the operation. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

14080 scsi: Software error (rejecting I/O to offline device)

Description: The device cannot be placed in the offline state.

Corrective action: Check the operation. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14083 st:st[0-9]* Software error (Can't set default block size)

Description: This is an application software error (incomplete definition). The default mode (number 0) was used since a parameter for the specified mode was missing.

Corrective action: The driver setting for using the application is incomplete.
Check the setting. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14084 sd: Software error (Bad block number requested)

Description: Misuse. The sector size of the device is any of 1024, 2048, or 4096, but the requested start address or requested size is not a multiple of the sector size.

Corrective action: Fix the bug in the program used. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14085**sd:sd[a-z]* Device error (test WP failed)
vendor=%v model=%m serial-no=%ser**

Description: Since the Mode Sense command (Page = 3F) failed, whether the device is write-protected is not known. However, assume that the device is not write-protected to continue operation.

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: If the device is a single drive, replace the disk. If the device is ETERNUS, check the ETERNUS. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

14086**sd:sd[a-z]* Device error (cache data unavailable)
vendor=%v model=%m serial-no=%ser**

Description: SK/ASC/ASCQ = 5/0x24/0x00 (Illegal Request: Invalid field in CDB) was returned as a result of the Mode Sense command (Page = 8). Since the Mode Sense command (Page = 8) failed, the cache status is not known.

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: If the device is a single drive, replace the disk. If the device is ETERNUS, check the ETERNUS. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 14087 sd:sd[a-z]* Device error (asking for cache data failed
vendor=%v model=%m serial-no=%ser**
- Description: SK/ASC/ASCQ = 5/0x24/0x00 (Illegal Request: Invalid field in CDB) was returned as a result of the Mode Sense command (Page = 8). Since the Mode Sense command (Page = 8) failed, the cache status is not known.
- %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: If the device is a single drive, replace the disk. If the device is ETERNUS, check the ETERNUS. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14088 st:st[0-9]* Software error (Write not multiple of tape block size)**
- Description: This is an application error. For a fixed-length device, the write data size is not a multiple of the block size of the tape.
- Corrective action: Correct the block size for writing.
- Severity: Warning
- Action: (/ /T/S)
-
- 14089 st: Software error (Too many tape devices)**
- Description: This is a configuration error. The maximum number of tape devices that can be supported is ST_MAX_TAPES (128).
- Corrective action: Check the system configuration. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

14090**sg:Software error (Unable to attach sg device)**

Description: This is a system configuration error. No minor number is available. The maximum number of devices is SG_MAX_DEVS (32768).

Corrective action: Check the specified upper limit, and check the system configuration. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14091**sg: Software error (cannot be allocated)**

Description: Memory is insufficient. The control table cannot be secured.

Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14093**sg: sgn Software error (unable to make symlink)**

Description: Memory is insufficient or an internal error occurred in the operating system. Creation of a symbolic link in sysfs failed.
n: Logical unit number

Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

- 14094 sr: Software error (Unable to allocate SCSI request)**
- Description: ioctl processing for the CD-ROM drive failed because of insufficient memory.
- Corrective action: Inspect the software. Add memory or reduce load. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
- 14095 sr:sr[0-9]* Software error (unknown vendor code)**
- Description: This is a driver error. A vendor code that must be initialized has not been initialized.
- Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
- 14096 st: Software error (Unable create sysfs class)**
- Description: Memory is insufficient or an internal error occurred in the operating system. Creation of the SCSI tape class in sysfs failed.
- Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
- 14097 sg: Software error (kmallocl Sg_device failure)**
- Description: Memory is insufficient. The control table cannot be secured.
- Corrective action: Inspect the software. Add memory or reduce load. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

14099 sg: Software error (alloc_disk failed)

Description: This is a software error.

Corrective action: Inspect the software. Add memory or reduce load.
Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14100 sg: Software error (cdev_alloc failed)

Description: This is a software error.

Corrective action: Inspect the software. Add memory or reduce load.
Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14101 sg: Software error (sg_alloc failed)

Description: This is a software error.

Corrective action: Inspect the software. Add memory or reduce load.
Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14102 sg: Software error (class_simple_device_add failed)

Description: This is a software error.

Corrective action: Inspect the software. Add memory or reduce load.
Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14103 scsi: Software error (Illegal state transition)

Description: This is a software error.

Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14104 scsi: Software error (Target device_add failed)

Description: An error occurred during addition of a device to sysfs. Memory may be insufficient.

Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14105 scsi: Software error (Target transport add failed)

Description: An error occurred during addition of a transport class (e.g., SPI, FC) to sysfs. Memory may be insufficient.

Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14106 scsi: Software error (Target transport attr add failed)

Description: An error occurred during addition of properties of a transport class (e.g., SPI, FC). Memory may be insufficient.

Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

-
- 14107 scsi: Software error (allocation failure)**
- Description: A memory shortage occurred during addition of a target node to sysfs.
- Corrective action: Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14108 scsi: Software error (ordered flushes don't support queuing)**
- Description: Ordered flushes are no longer used because HBA supports queuing.
- Corrective action: Inspect the software. Confirm that the software has been implemented in accordance with the driver specifications. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14110 scsi: scsi%h (%c,%i,%l) Device error (probe failed) vendor=%v model=%m serial-no=%ser**
- Description: A device cannot be recognized because it is in the busy state.
 %h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: If the device is a RAID device and the LUN that causes the error is shared by multiple servers via an FC switch, review the zoning setting and reduce the load on the LUN on each server. If the device is a single drive, replace the drive. If the problem persists, contact a certified Fujitsu service engineer.
- Severity: Warning
- Action: (R/M/T/S)

- 14111 scsi: Software error (barrier error; disabling flush support)**
- Description: The ordered flush operation failed. No ordered flush will ever be executed.
- Corrective action: Inspect the software. See the preceding error messages to find the suspected software error cause. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14112 st: Software error (Can't allocate tape buffer)**
- Description: Memory is insufficient. Extending the buffer failed.
- Corrective action: Review the system design, or expand memory. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14113 st: Software error (class_simple_device_add failed)**
- Description: Memory is insufficient. Control table allocation failed.
- Corrective action: Inspect the software. Add memory or reduce load. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14114 st: Software error (Can't create sysfs link from SCSI device)**
- Description: Memory is insufficient, or an internal error occurred in the operating system. Generation of a symbolic link for sysfs failed.
- Corrective action: Inspect the software. Expand memory or reduce the system load. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

-
- 14115 sd: Software error (FUA write on READ/WRITE drive)**
- Description: This is a driver failure.
- Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14116 sd:sd[a-z]* Device error (too big for this kernel) vendor=%v model=%m serial-no=%ser**
- Description: The block size exceeds the limit supported by the kernel.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: Use a kernel that was compiled within the supported range.
- Severity: Warning
- Action: (R/M/T/S)
-
- 14117 sd:sd[a-z]* Software error (malformed MODE SENSE response)**
- Description: Unknown Mode Sense responded.
- Corrective action: Kernel memory is likely insufficient. Check the system configuration, and take appropriate measures including those that reduce system load.
- Severity: Warning
- Action: (/ /T/S)
-
- 14118 sd:sd[a-z]* Device error (got wrong page) vendor=%v model=%m serial-no=%ser**
- Description: Reading mode page (cache control parameter) failed.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: Replace the device if it is disconnected after this message. If it is not, no action is required.
- Severity: Warning
- Action: (R/M/T/S)

14119 st:st[0-9]* Software error (class_device_create failed)

Description: class_device_create() failed.

Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14120 scsi:%h:%c:%i%l Software error (Device not ready)

Description: An I/O request addressed to a SCSI device has been rejected because the device is in static state (still unavailable).
 %h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.

Corrective action: Check the operation. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14121 scsi:%h:%c:%i%l Software error (Volume overflow. CDB)

Description: An I/O request addressed to a SCSI device has been rejected because the device buffer still contains data that was not written due to a device-full error.
 %h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.

Corrective action: Check the operation. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14122 scsi:%h:%c:%i%l Software error (SCSI error)

Description: I/O error occurred.
 %h, %c, %i, and %l denote the host, channel, id, and lun
 numbers, respectively.

Corrective action: Check the operation. If the problem persists, contact
 your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**14123 scsi:%h:%c:%i%l Software error (rejecting I/O to offline
device)**

Description: An I/O request addressed to an offline device has been
 rejected.
 %h, %c, %i, and %l denote the host, channel, id, and lun
 numbers, respectively.

Corrective action: Check the operation. If the problem persists, contact
 your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

**14124 scsi:%h:%c:%i%l Software error (rejecting I/O to dead
device)**

Description: An I/O request addressed to a device that is not found
 has been rejected.
 %h, %c, %i, and %l denote the host, channel, id, and lun
 numbers, respectively.

Corrective action: Check the operation. If the problem persists, contact
 your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

- 14125 scsi:%h:%c:%i%l Software error (rejecting I/O to device being removed)**
- Description: An I/O request addressed to a removed device has been rejected.
 %h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.
- Corrective action: Check the operation. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14126 scsi: Software error (impossible request)**
- Description: Software or hardware error occurred.
- Corrective action: Collect troubleshooting information (e.g., dumps), and ask your Fujitsu certified service engineer to conduct an inspection.
- Severity: Warning
- Action: (/ /T/S)
-
- 14127 scsi: Software error (timing out command. waited)**
- Description: The timing out command is waiting.
- Corrective action: Inspect the software. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 14128 scsi: Software error (can't init scsi io context cache)**
- Description: I/O request caching has failed.
- Corrective action: Inspect the software. Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

14129**scsi: Software error (allocation failure)**

Description: Memory allocation failed.

Corrective action: Inspect the software. Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14130**scsi: Software error (target allocation failed)**

Description: Memory allocation failed.

Corrective action: Inspect the software. Add memory or reduce load. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14131**scsi:%h:%c:%i%l Device error (Can't create sysfs link from SCSI device) vendor=%v model=%m serial-no=%ser**

Description: The device configuration failed.
%h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.
%v: Vendor, e.g., FUJITSU
%m: Manufacture, e.g., MAP3367NC
%ser: Serial number, e.g., 01234567

Corrective action: Check the device configuration. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

- 14132 sr:%h:%c:%i%l Software error (bad sector size)**
- Description: sector size error was detected.
%h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.
- Corrective action: Inspect the sr driver. Collect the system information by fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 14133 sg:%h:%c:%i%l Software error (Unable to attach sg device)**
- Description: This is a system configuration error. No minor number is available. The maximum number of device is 32768.
%h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.
- Corrective action: Check the system configuration. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 14134 scsi:%h:%c:%i%l Device error (offlined) vendor=%v model=%m serial-no=%ser**
- Description: A SCSI device is offline.
%h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.
%v: Vendor, e.g., FUJITSU
%m: Manufacture, e.g., MAP3367NC
%ser: Serial number, e.g., 01234567
- Corrective action: Replace the device.
- Severity: Warning
- Action: (/T/S)

14135 scsi:%h:%c:%i%l Software error (reservation conflict)

Description: A software error occurred.
 %h, %c, %i, and %l denote the host, channel, id, and lun numbers, respectively.

Corrective action: Review the operation method and examine the software that uses RESERVE/RELEASE. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

14136 scsi:%s Software error (request failed)

Explanation: A software error occurred.
 %s: "sd[a-z]*" or st[0-9]*" or " "

Corrective action: Check the driver that issued the request sd or st. Collect the system information by fjsnap and contact a Fujitsu-certified service engineer.

Severity: Warning

Action: (/ /T/S)

**14137 scsi:%h:%c:%i:%l Device error (ioctl_internal_command)
vendor=%v model=%m serial-no=%ser**

Explanation:	A device or driver error occurred. %h: host number, %c: channel number, %i: id, %l: lun number %v: Example. FUJITSU %m: Example. MAP3367NC %ser: Example. 01234567
Corrective action:	Identify the type of device in question from host, id, and lun and view the sense key (extended sense) to decide what to do. 1 (Recovered Error): Clean the device if removable. 2 (Not Ready): Replace the device if non- removable. 3 (Medium Error): Replace the device if it is a disk. Clean and replace removable media. 4 (Hard Error): Replace the device. 5 (Illegal Request): Check the software. 6 (Unit Attention): Information posted from various devices (e.g., reset state, degraded RAID devices) 7 (Data Protect): Check the write-protect status. 8 (Blank Check): Check tape and other relevant operations. b (Aborted Command): Check for SCSI bus and FC line faults.
Severity:	Error
Action:	(R/M/T/S)

14138 scsi:%h:%c:%i:%l Device error (Volume overflow. CDB) vendor=%v model=%m serial-no=%ser

Explanation: Data that could not be written to a device due to a device full condition remains buffered. The I/O request to the SCSI device has been rejected.

%h: host number, %c: channel number,
%i: id, %l: lun number

%v: Example. FUJITSU

%m: Example. MAP3367NC

%ser: Example. 01234567

Corrective action: Identify the type of device in question from host, id, and lun and view the sense key (extended sense) to decide what to do.

1 (Recovered Error): Clean the device if removable.

2 (Not Ready): Replace the device if non-removable.

3 (Medium Error): Replace the device if it is a disk.
Clean and replace removable media.

4 (Hard Error): Replace the device.

5 (Illegal Request): Check the software.

6 (Unit Attention): Information posted from various devices (e.g., reset state, degraded RAID devices)

7 (Data Protect): Check the write-protect status.

8 (Blank Check): Check tape and other relevant operations.

b (Aborted Command): Check for SCSI bus and FC line faults.

Severity: Warning

Action: (R/M/T/S)

**14139 scsi:%h:%c:%i:%l Device error (I/O error) vendor=%v
model=%m serial-no=%ser**

Explanation: An I/O error occurred.

%h: host number, %c: channel number, %i: id, %l:
 lun number

%v: Example. FUJITSU

%m: Example. MAP3367NC

%ser: Example. 01234567

Corrective action: Identify the type of device in question from host, id, and
 lun and view the sense key (extended sense) to decide
 what to do.

1 (Recovered Error): Clean the device if removable.

2 (Not Ready): Replace the device if non-
 removable.

3 (Medium Error): Replace the device if it is a disk.
 Clean and replace removable
 media.

4 (Hard Error): Replace the device.

5 (Illegal Request): Check the software.

6 (Unit Attention): Information posted from various
 devices (e.g., reset state,
 degraded RAID devices)

7 (Data Protect): Check the write-protect status.

8 (Blank Check): Check tape and other relevant
 operations.

b (Aborted Command): Check for SCSI bus and FC line
 faults.

Severity: Warning

Action: (R/M/T/S)

- 14141 st:st[0-9]* Software error (Async command already active)**
- Description: An asynchronous error was detected. A command is already being executed asynchronously.
- Corrective action: Retry later, perform cleaning, or replace tape. If the problem persists, replace the drive.
- Severity: Warning
- Action: (/T/S)
-
- 14142 scsi:%h:%c:%i:%l Software error (timing out command. waited)**
- Description: A timeout was detected.
 %h, %c, %i, and %l indicate the host, channel, id, and lun numbers respectively.
- Corrective action: Collect fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 14143 scsi: Software error (mapping failed)**
- Description: Mapping failed.
- Corrective action: Collect fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 14144 scsi:%h:%c:%i:%l Software error (target device_add failed)**
- Description: Target registration failed.
 %h, %c, %i, and %l indicate the host, channel, id, and lun numbers respectively.
- Corrective action: Check the software or check the device (replace or remove the device).
- Severity: Warning
- Action: (/T/S)

- 14145 scsi:%h:%c:%i:%l Software error (target allocation failed)**
- Description: Memory allocation failed.
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Expand memory, reduce loads, or check the system configuration.
- Severity: Warning
- Action: (/T/S)
-
- 14146 scsi:%h:%c:%i:%l Software error (Unexpected response from lun while scanning. scan aborted)**
- Description: SCSI device scanning was interrupted by an error. The cause of interruption is displayed separately prior to this message.
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Recognition of some device failed. Remove the cause and reboot the system.
- Severity: Warning
- Action: (/T/S)
-
- 14147 scsi: Software error (fc_host_post_event: Dropped Event)**
- Description: Event generation failed.
- Corrective action: Collect fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 14148 scsi: Software error (fc_host_post_vendor_event: Dropped Event)**
- Description: Event generation failed.
- Corrective action: Collect fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)

- 14149 scsi: Software error (attempted to queue work; when no workqueue created)**
- Description: An attempt was made to queue work while no work queue had been created.
- Corrective action: Collect fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 14150 scsi: Software error (attempted to flush work; when no workqueue created)**
- Description: An attempt was made to flush work while no work queue had been created.
- Corrective action: Collect fjsnap and contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (//T/S)
-
- 14151 scsi: Software error (fc_rport_create: allocation failure)**
- Description: Memory allocation failed.
- Corrective action: Expand memory or reduce the system load.
- Severity: Warning
- Action: (//T/S)
-
- 14152 scsi: Software error (FC Remote Port device_add failed)**
- Description: Device addition failed.
- Corrective action: Expand memory or reduce the system load.
- Severity: Warning
- Action: (//T/S)

- 14153 scsi:%h:%c:%i:%l Software error (FC remote port time out: no longer a FCP target; removing starget)**
- Description: The FC connection caused a timeout (the target in the SCSI layer was deleted because the target in the FC layer could not be recognized).
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Check the FC network connection.
- Severity: Warning
- Action: (/T/S)
-
- 14154 scsi:%h:%c:%i:%l Software error (FC remote port time out: leaving target alone)**
- Description: The FC connection caused a timeout (the target was left behind).
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Check the FC network connection.
- Severity: Warning
- Action: (/T/S)
-
- 14155 scsi:%h:%c:%i:%l Software error (FC remote port time out: removing target)**
- Description: The FC connection caused a timeout (the target was removed).
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Check the FC network connection.
- Severity: Warning
- Action: (/T/S)

-
- 14156 `scsi:%h:%c:%i:%l` Software error (FC remote port time out: removing target and saving binding)**
- Description: The FC connection caused a timeout (the target was removed and binding was saved).
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Check the FC network connection.
- Severity: Warning
- Action: (//T/S)
-
- 14157 `scsi:%h:%c:%i:%l` Software error (it's already part of another port)**
- Description: The target port is already in use.
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Check the port.
- Severity: Warning
- Action: (//T/S)
-
- 14158 `scsi:%h:%c:%i:%l` Software error (saving binding)**
- Description: The FC connection caused a timeout (binding was saved).
 %h, %c, %i, and %l show the host, channel, id, and lun numbers respectively.
- Corrective action: Check the FC network connection.
- Severity: Warning
- Action: (//T/S)
-
- 14159 `scsi:%h:%c:%i:%l` Software error (target resuming)**
- Description: The SCSI caused a timeout (the target device is restarted).
 %h, %c, %i, and %l indicate the host, channel, id, and lun numbers, respectively.
- Corrective action: Check the SCSI device connection.
- Severity: Warning
- Action: (//T/S)

- 14160 scsi:%h:%c:%i:%l Software error (host resuming)**
- Description: The host caused a timeout (the host is restarted).
 %h, %c, %i, and %l indicate the host, channel, id, and
 lun numbers, respectively.
- Corrective action: Check the SCSI device connection.
- Severity: Warning
- Action: (/T/S)
-
- 14161 sd: Software error (No memory for request)**
- Description: Memory is insufficient in the kernel.
- Corrective action: Review the system configuration. Reduce the system
 load, or take another corrective action.
- Severity: Warning
- Action: (/T/S)
-
- 14162 st:st[0-9]* Device error vendor=%v model=%m**
- Description: This is a device error without sense data. The return
 value from the HBA is displayed as is.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
- Corrective action: Replace the block whose fault location is unknown. If
 the problem persists, contact your Fujitsu certified
 service engineer.
- Severity: Warning
- Action: (R/M/T/S)

14163 sd:%h:%c:%i:%l Software error (START_STOP FAILED)

Description: Stopping of the device failed.
 %h: host number; %c: channel number; %i: id, %l: lun number

Corrective action: Memory is insufficient in the kernel. Appropriate measures including those that reduce the system load must be taken. Check the system configuration.

Severity: Warning

Action: (//T/S)

14164 sd: Software error (Cannot create port links or backlink)

Description: Creation of a symbolic link failed.

Corrective action: Memory must be added, or SAS ports must be checked.

Severity: Warning

Action: (//T/S)

14165 scsi:%s Device error vendor=%v model=%m

Description: This is a device error without sense data. The returned value received from the HBA is displayed as is.
 %s: Example: sda, st0, etc...
 %v: Example: FUJITSU
 %m: Example: MAP3367NC

Corrective action: For sdx, check the sense information, and take appropriate measures. If the problem persists, replace the disk drive.
 For stx, perform cleaning. If the problem persists, replace the tape media. If the problem still persists, replace the drive.

Severity: Warning

Action: (R/M/T/S)

3.2.8 ETERNUS MultiPath Driver-related messages (15000 to 15038)

15000 GRMPD: Software error (No Host Template)

Description: No target Fibre Channel card (HBA) exists.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ /T/S)

15001 GRMPD: Software error (No Entry %s)

Description: The target Fibre Channel card (HBA) is not supported.
%s indicates details on the error.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ /T/S)

15002 GRMPD: Software error (memory allocate failed)

Description: Memory resource acquisition failed.

Corrective action: Review the system and the memory resources. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ /T/S)

15003 GRMPD: Software error (vhba instance overflow)

Description: The number of connected SCSI devices exceeded the maximum number of devices that can be supported.

Corrective action: Check the disk array unit configuration and SCSI device configuration. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ /T/S)

- 15004 GRMPD: Software error (Scsi_Done free space not found)**
- Description: Memory resources became insufficient because of too many requests.
- Corrective action: Review the system and the memory resources. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15005 GRMPD: Software error (internal error)**
- Description: An internal processing error occurred.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15006 GRMPD: Software error (memory allocate failed)**
- Description: Memory resource acquisition failed.
- Corrective action: Review the system and the memory resources. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15007 GRMPD: Software error (register_chrdv failed:retcode=%d)**
- Description: Registration of the virtual HBA driver failed.
%d indicates an error code.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)

- 15008 GRMPD: Software error (%s:create_irp failed)**
- Description: The creation of an IRP failed.
 %s indicates an IRP code type.
- Corrective action: Review the system and the memory resources. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15009 GRMPD: Software error (%s:add_irp failed)**
- Description: Sending an IRP failed.
 %s indicates an IRP code type.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15010 GRMPD: Software error (%s:cannot find real HBA)**
- Description: No real Fibre Channel card (HBA) was found.
 %s is complementary information on the error.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15011 GRMPD: Software error (cannot get hostdata)**
- Description: Management data was not found.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15012 GRMPD: Software error (internal error)**
- Description: An internal processing error occurred.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)

- 15013 GRMPD: Software error (no response from real hba(%d) driver)**
- Description: The Fibre Channel card (HBA) driver has not responded for a certain period.
%d indicates the real HBA number.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
- 15014 GRMPD: Software error (cannot register scsi cmd private)**
- Description: Memory allocation failed.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
- 15015 GRMPD: Software error (internal error)**
- Description: Initialization of the base part of the VHBA driver failed.
- Corrective action: Review the system and the memory resources.
- Severity: Error
- Action: (/ /T/S)
- 15016 GRMPD: Software error (internal error)**
- Description: An error occurred during module execution.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
- 15017 GRMPD: Software error (register failed)**
- Description: Registration of the base module of the VHBA driver failed.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)

- 15018 GRMPD: Software error (unknown error)**
- Description: An error occurred during registration of the base module of the VHBA driver.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15019 GRMPD: Software error (memory allocate failed)**
- Description: Memory resource acquisition failed.
- Corrective action: Review the system and the memory resources. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)
-
- 15020 GRMPD: Software error (Too many HBA. Skipping)**
- Description: The number of Fibre Channel cards (HBAs) being used is greater than the number of supported HBAs.
- Corrective action: Use less than eight Fibre Channel cards (HBAs). If the number of HBAs is eight or fewer and the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)
-
- 15021 GRMPD: Software error (device append failed)**
- Description: Addition of a SCSI device failed.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (/ /T/S)

15022 GRMPD: Software error (AttachDevList=NULL in attach_prep)

Description: Preprocessing for device registration failed.
Corrective action: Contact your Fujitsu certified service engineer.
Severity: Error
Action: (/ /T/S)

15023 GRMPD: Software error (rhba overflow)

Description: There are too many Fibre Channel cards (HBAs).
Corrective action: Check the configuration. If the problem persists, contact your Fujitsu certified service engineer.
Severity: Error
Action: (/ /T/S)

15024 GRMPD: Software error (internal error)

Description: An error occurred during module execution.
Corrective action: Check the configuration. If the problem persists, contact your Fujitsu certified service engineer.
Severity: Error
Action: (/ /T/S)

15025 GRMPD: Software error (memory allocate failed)

Description: Memory resource acquisition failed.
Corrective action: Review the system and the memory resources. If the problem persists, contact your Fujitsu certified service engineer.
Severity: Error
Action: (/ /T/S)

15026 GRMPD: Software error (sense information detected)

Description: Sense data was detected.
Corrective action: Check the sense data, displayed device, and path, and take the appropriate corrective action. If the problem persists, contact your Fujitsu certified service engineer.
Severity: Warning
Action: (/ /T/S)

15027 GRMPD: Software error (I/O error.-%s)

Description: An input/output error on a path was detected.
%s is a character string indicating the cause of the error.
"upper timeout"
"lower timeout"
"abort"
"bus busy"
"parity error"
"reset"
"status busy"
"no connect"
"not ready"
"hardware error"

Corrective action: Check the displayed device and path, and take the appropriate corrective action. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

15028 GRMPD: Software error (internal error)

Description: A fatal internal error occurred in the MPLB module.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

15029 GRMPD: Software error (retry out by flow control)

Description: Retry using the flow control function was exhausted.

Corrective action: A heavy load is placed on the disk array unit. Check system requirements. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/T/S)

15030 GRMPD: Software error (Auto Path Test changed path status to fail:path %d)

Description: Retry using the flow control function was exhausted.
%d is the path number.

Corrective action: Conduct an investigation using the displayed path number, and take the appropriate corrective action. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

15031 GRMPD: Software error (Auto Path Diagnosis detected path error:path %d)

Description: Retry using the flow control function was exhausted.
%d is the path number.

Corrective action: Conduct an investigation using the displayed path number, and take the appropriate corrective action. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

15032 GRMPD: Software error (internal error)

Description: Retry using the flow control function was exhausted.

Corrective action: If ""Out of Memory"" or ""Cannot allocate memory"" is output as the error cause, review the memory resources. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ /T/S)

15037 GRMPD: Software error (mplb_path_io_watch timeout)

Description: I/O processing was canceled by single-path I/O time monitoring.

Corrective action: The following factors are likely.

- A delay occurred as a result of error handling by the disk array system.
- No appropriate time-out value for the system is set.
- The workload on the disk array is too high.

Check the disk array error information, and if no errors are found, recheck whether the available system resources and set time-out value are appropriate.

Severity: Warning

Action: (/T/S)

15038 GRMPD: Software error (mplb_io_watch timeout)

Description: I/O processing was cancelled by single-path I/O time monitoring.

Corrective action: The following factors are likely.

- A delay occurred as a result of error handling by the disk array system.
- No appropriate time-out value for the system is set.
- The workload on the disk array is damn high.

Check the disk array error information, and if no errors are found, recheck whether the available system resources and set time-out value are appropriate.

Severity: Warning

Action: (/T/S)

3.2.9 GDS-related messages (16000 to 16011)

**16000 GDS: /dev/sd[a-z]* Device error (read error on slice)
vendor=%v model=%m serial-no=%ser**

Description: A read request to a slice ended with an error.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

**16001 GDS: /dev/sd[a-z]* Device error (read error on disk)
vendor=%v model=%m serial-no=%ser**

Description: A read request to a hard disk drive ended with an error.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

16002 GDS: /dev/sd[a-z]* Device error (read and writeback error on slice) vendor=%v model=%m serial-no=%ser

Description: A read request and write back request to a slice ended with errors.

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

16003 GDS: /dev/sd[a-z]* Device error (open error on slice) vendor=%v model=%m serial-no=%ser

Description: Open processing for a slice returned with an error.

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

- 16004** **GDS: /dev/sd[a-z]* Device error (open error on disk)**
vendor=%v model=%m serial-no=%ser
- Description: Open processing for a hard disk drive returned with an error.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)
-
- 16005** **GDS: /dev/sd[a-z]* Device error (NVURM read error on disk)**
vendor=%v model=%m serial-no=%ser
- Description: An NVURM read request to a hard disk drive ended with an error.
 %v: Vendor, e.g., FUJITSU
 %m: Manufacture, e.g., MAP3367NC
 %ser: Serial number, e.g., 01234567
- Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)

16006 GDS: /dev/sd[a-z]* Device error (volume status log write error on disk) vendor=%v model=%m serial-no=%ser

Description: A write request of a volume status log to a hard disk drive ended with an error.

%v: Vendor, e.g., FUJITSU

%m: Manufacture, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

16007 GDS:/dev/sd[a-z]* Device error (write error on slice) vendor=%v model=%m serial-no=%ser

Description: A write request to a slice ended with an error.

%v: Vendor, e.g., FUJITSU

%m: Model, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

**16008 GDS:/dev/sd[a-z]* Device error (write error on disk)
vendor=%v model=%m serial-no=%ser**

Description: A write request to a hard disk drive ended with an error.

%v: Vendor, e.g., FUJITSU

%m: Model, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

**16009 GDS:/dev/sd[a-z]* Device error (close error on disk)
vendor=%v model=%m serial-no=%ser**

Description: A close request to a hard disk drive ended with an error.

%v: Vendor, e.g., FUJITSU

%m: Model, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

**16010 GDS:/dev/sd[a-z]* Device error (NVURM write error on disk)
vendor=%v model=%m serial-no=%ser**

Description: An NVURM write request to a hard disk drive ended with an error.

%v: Vendor, e.g., FUJITSU

%m: Model, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

**16011 GDS:/dev/sd[a-z]* Device error (failed to abort I/O requests
on disk) vendor=%v model=%m serial-no=%ser**

Description: A request to abort an I/O request to a physical disk (ioctl request to the mphpd driver or mphpb driver) ended with an error.

%v: Vendor, e.g., FUJITSU

%m: Model, e.g., MAP3367NC

%ser: Serial number, e.g., 01234567

Corrective action: A disk failure may have occurred. Inspect the logged driver messages for the failure cause. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

3.2.10 GLS-related messages (17000 to 17011)

17000 **GLS: interface Network error (Link Down at TRUNKING mode) vendor-id=%vi device-id=%d revision=%r**

Description: An error occurred in remote host communication through physical interfaces that are bound by a virtual interface and operate with a high-speed switching method.
 interface = physical interface name
 %vi: For e100/e1000 8086
 For bcm5700 14E4
 %d: Example for e100/e1000 1209
 Example for bcm5700 16A8
 %r: Number (1 to 3 digits)

Corrective action: Check for any problem in the communication line to the remote host. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

17001 **GLS: Network error (poll fail retry over.polling stop)**

Description: An error occurred in the transmission line, and retry failed repeatedly for the specified number of times. The hub polling function will be disabled.

Corrective action: Check the transmission line. After recovering the transmission line, disable and enable the hub polling function. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

- 17002 GLS: Network error (primary polling failed. lip=logicalIP target=pollip)**
- Description: An error was detected in the path to the primary polling target during the initial check of the physical interface.
logicalIP = Logical IP address
pollip = Polling target IP address
- Corrective action: Check for an error in the communication path to the monitored device. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)
-
- 17003 GLS: Network error (secondary polling failed.lip=logicalIP target=pollip)**
- Description: An error was detected in the path to the secondary polling target during the initial check of the physical interface.
logicalIP = Logical IP address
pollip = Polling target IP address
- Corrective action: Check for an error in the communication path to the monitored device. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)

17004**GLS: ifname Network error
(Primary polling failed.)
vendor-id=%vi device-id=%d revision=%r**

Description: Transmission line polling on the primary side failed.

ifname = Interface name

%vi: For e100/e1000 8086

For bcm5700 14E4

%d: Example for e100/e1000 1209

Example for bcm5700 16A8

%r: Number (1 to 3 digits)

Corrective action: Check for an error in the communication path to the monitored device. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

17005**GLS: ifname Network error
(Secondary polling failed.)
vendor-id=%vi device-id=%d revision=%r**

Description: Transmission line polling on the secondary side failed.

ifname = Interface name

%vi: For e100/e1000 8086

For bcm5700 14E4

%d: Example for e100/e1000 1209

Example for bcm5700 16A8

%r: Number (1 to 3 digits)

Corrective action: Check for an error in the communication path to the monitored device. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

**17006 GLS: ifname Network error
(PrimaryHUB to SecondaryHUB polling failed.)
vendor-id=%vi device-id=%d revision=%r**

Description: Hub-hub polling on the primary side failed.
ifname = Interface name
%vi: For e100/e1000 8086
 For bcm5700 14E4
%d: Example for e100/e1000 1209
 Example for bcm5700 16A8
%r: Number (1 to 3 digits)

Corrective action: Check for an error in the communication path to the
 monitored device. If the problem persists, contact your
 Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

**17007 GLS: ifname Network error
(SecondaryHUB to PrimaryHUB polling failed.)
vendor-id=%vi device-id=%d revision=%r**

Description: Hub-hub polling on the secondary side failed.
ifname = Interface name
%vi: For e100/e1000 8086
 For bcm5700 14E4
%d: Example for e100/e1000 1209
 Example for bcm5700 16A8
%r: Number (1 to 3 digits)

Corrective action: Check for an error in the communication path to the
 monitored device. If the problem persists, contact your
 Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

- 17008 GLS: Network error (route error is noticed.(sourceip))**
- Description: A path error was reported from a remote system.
sourceip = IP address of the sender
- Corrective action: Check for any problem in the communication line to the sender. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)
-
- 17009 GLS: Network error (route error is noticed.(target=IP))**
- Description: A path error was reported from a remote system.
IP = IP address of the remote system
- Corrective action: Check for any problem in the communication line to the sender. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)
-
- 17010 GLS: Network error (all lines disabled (devicename))**
- Description: All of the physical interfaces bound by a virtual interface and operating with a high-speed switching method have failed.
devicename = Virtual interface name
- Corrective action: Check each of the physical interfaces for any problem in the communication line to the remote host. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)

17011 GLS: Network error (some lines in operation (devicename))

Description: Part of the physical interfaces bound by a virtual interface and operating with a high-speed switching method have failed (or are in the up state).
devicename = Virtual interface name

Corrective action: Check each of the failed physical interfaces for any problem in the communication line to the remote host. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

3.2.11 LAN messages [Windows] (21000 to 21309)**3.2.11.1 PRO/100 messages****21100 e100:%s Software error (WARNING test message)**

Description: A WARNING-level message is output for a test.
%s: Device name

Corrective action: Update the driver. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Warning

Action: (/ /T/S)

21101 e100:%s Software error (ERROR test message)

Description: An ERROR-level message is output for a test.
%s: Device name

Corrective action: Update the driver. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Error

Action: (/ /T/S)

-
- 21102 e100:%s Adapter error (Hardware failure detected)**
vendor-id=8086 device-id=%d revision=%r
- Description: A hardware error was detected.
 %s: Device name
 %d: Example 1209
 %r: Numerical value (one to three digits)
- Corrective action: Replace the BMM with built-in e100. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)
-
- 21103 e100:%s Adapter error (Eeprom corruption detected)**
vendor-id=8086 device-id=%d revision=%r
- Description: An EEPROM error was detected.
 %s: Device name
 %d: Example 1209
 %r: Numerical value (one to three digits)
- Corrective action: Replace the BMM with built-in e100. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Error
- Action: (R/M/T/S)
-
- 21104 e100:%s Software error (duplex mismatch)**
- Description: The lack of auto negotiation from a connected partner may have caused a conflict.
 %s: Device name
- Corrective action: Confirm auto negotiation from the connected party and the connection speed. If the problem persists, contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/ /T/S)

3.2.11.2 PRO/1000 messages

21200 e1000:%s Adapter or Software error (Adapter not found)

Description: The adapter cannot be detected.
 %s: device name

Corrective action: Reinstall the driver.

Severity: Warning

Action: (/ /T/S)

21201 e1000:%s Adapter or Software error (Driver load error)

Description: The driver cannot determine which adapter is to be loaded.
 %s: device name

Corrective action: Reinstall the driver.

Severity: Error

Action: (/ /T/S)

21202 e1000:%s Software error (Could not allocate The MAP REGISTRES)

Description: The map registers required for operation cannot be allocated.
 %s: device name

Corrective action: Reduce the number of send descriptors in the adapter properties, and restart the system.

Severity: Warning

Action: (/ /T/S)

21203 e1000:%s Software error (Could not assign an interrupt)

Description: Interrupts cannot be assigned.
 %s: device name

Corrective action: Retry using another PCI slot.

Severity: Error

Action: (/ /T/S)

21204	e1000:%s Software error (Could not allocate memory)
Description:	The memory required for operation cannot be allocated. %s: device name
Corrective action:	Reduce the numbers of receive descriptors and aggregate buffers, and restart the system.
Severity:	Error
Action:	(/ /T/S)
21205	e1000:%s Software error (Could not allocate shared memory)
Description:	The shared memory required for operation cannot be allocated. %s: device name
Corrective action:	Reduce the numbers of receive descriptors and aggregate buffers, and restart the system.
Severity:	Warning
Action:	(/ /T/S)
21206	e1000:%s Software error (Could not allocate memory)
Description:	The memory required for the receive structure cannot be allocated. %s: device name
Corrective action:	Reduce the number of receive descriptors in the adapter properties, and restart the system.
Severity:	Warning
Action:	(/ /T/S)
21207	e1000:%s Software error (Could not allocate memory)
Description:	The memory required for the receive descriptors cannot be allocated. %s: device name
Corrective action:	Reduce the number of receive descriptors in the adapter properties, and restart the system.
Severity:	Warning
Action:	(/ /T/S)

- 21208 e1000:%s Software error (Could not allocate memory)**
- Description: The memory required for the receive buffer cannot be allocated.
 %s: device name
- Corrective action: Reduce the number of receive descriptors in the adapter properties, and restart the system.
- Severity: Warning
- Action: (/ /T/S)
-
- 21209 e1000:%s Adapter error (Could not establish link) vendor-id=8086 device-id=%d revision=%r**
- Description: A link could not be established.
 %s: device name
 %d: 1209, for example
 %r: numeric value (1 to 3 digits)
- Corrective action: Check the cable.
- Severity: Warning
- Action: (R/M/T/S)
-
- 21210 e1000:%s Adapter error (NOT properly configured) vendor-id=8086 device-id=%d revision=%r**
- Description: The PRO/1000 adapter is not set up correctly in the PCI BIOS.
 %s: device name
 %d: 1209, for example
 %r: numeric value (1 to 3 digits)
- Corrective action: Retry using another PCI slot. Alternatively, replace the adapter.
- Severity: Error
- Action: (R/M/T/S)

- 21211 e1000:%s Adapter error (Not configured for bus mastering)
vendor-id=8086 device-id=%d revision=%r**
- Description: The slot is not configured for the bus master in the PCI BIOS.
 %s: device name
 %d: 1209, for example
 %r: numeric value (1 to 3 digits)
- Corrective action: Mount the adapter in a slot that supports the bus master.
- Severity: Error
- Action: (R/M/T/S)
-
- 21212 e1000:%s Software error (Could not allocate the NDIS receive
packets)**
- Description: The NDIS receive packets required for operation cannot be allocated.
 %s: device name
- Corrective action: Reduce the number of receive descriptors in the adapter properties, and restart the system.
- Severity: Warning
- Action: (/ /T/S)
-
- 21213 e1000:%s Software error (Could not allocate the NDIS receive
buffers)**
- Description: The NDIS receive buffer required for operation cannot be allocated.
 %s: device name
- Corrective action: Reduce the number of receive descriptors in the adapter properties, and restart the system.
- Severity: Warning
- Action: (/ /T/S)

21214 e1000:%s Software error (unable to assign PCI resources)

Description: The OS cannot allocate PCI resources.
 %s: device name

Corrective action: Retry using another PCI slot. Alternatively, check for hardware contention. Eliminate any hardware contention that is found.

Severity: Warning

Action: (/ /T/S)

21215 e1000:%s Software error (unable to claim PCI resources)

Description: The driver cannot request PCI resources for the adapter.
 %s: device name

Corrective action: Terminate connections that are not network connections.

Severity: Warning

Action: (/ /T/S)

21216 e1000:%s Adapter error (EEPROM error) vendor-id=8086 device-id=%d revision=%r

Description: The adapter may have encountered an EEPROM error.
 %s: device name
 %d: 1209, for example
 %r: numeric value (1 to 3 digits)

Corrective action: Replace the adapter.

Severity: Error

Action: (R/M/T/S)

21217 e1000:%s Software error (Could not start)

Description: The adapter cannot be activated.
 %s: device name

Corrective action: Update the driver.

Severity: Warning

Action: (/ /T/S)

21218 e1000:%s Software error (MDIX setting conflict with the AutoNeg Settings)

Description: The MDIX setting conflicts with the AutoNeg setting.
 %s: device name

Corrective action: Turn on AutoNeg, and restart the system.

Severity: Warning

Action: (/ /T/S)

21219 e1000:%s Adapter error (Could not start) vendor-id=8086 device-id=%d revision=%r

Description: Connection to the relevant Gigabit Network failed.
 %s: device name
 %d: 1209, for example
 %r: numeric value (1 to 3 digits)

Corrective action: Connect the appropriate cable to the network device,
 and restart the system. Alternatively, turn off the
 LinkBasedLogin feature, and restart the system.

Severity: Warning

Action: (R/M/T/S)

21220 e1000:%s Software error (Could not allocate all resources)

Description: All the resources required for communication queues
 that are assigned high priorities cannot be allocated.
 %s: device name

Corrective action: Reduce the number of send descriptors in the adapter
 properties, and restart the system. Alternatively, disable
 more than one send queue function, and restart the
 system.

Severity: Warning

Action: (/ /T/S)

- 21221 e1000:%s Software error (failed to initialize properly)**
- Description: The driver cannot be properly initialized. Sometimes,
 the adapter setting cannot be changed.
 %s: device name
- Corrective action: Reload the driver.
- Severity: Warning
- Action: (/ /T/S)
-
- 21222 e1000:%s Software error (Could not find a supported gigabit network connection)**
- Description: No Gigabit Network connection can be detected.
 %s: device name
- Corrective action: Reinstall the driver.
- Severity: Warning
- Action: (/ /T/S)
-
- 21223 e1000:%s Adapter or Software error (Driver load error)**
- Description: The driver cannot determine which Gigabit Network
 connection to load.
 %s: device name
- Corrective action: Reinstall the driver.
- Severity: Warning
- Action: (/ /T/S)
-
- 21224 e1000:%s Software error (Could not assign an interrupt)**
- Description: Interrupts cannot be assigned to Gigabit Network
 connections.
 %s: device name
- Corrective action: Retry using another PCI slot.
- Severity: Warning
- Action: (/ /T/S)

-
- 21225 e1000:%s Adapter error (NOT properly configured) vendor-id=8086 device-id=%d revision=%r**
- Description: Gigabit Network connectivity is not correctly configured in the PCI BIOS.
 %s: device name
 %d: 1209, for example
 %r: numeric value (1 to 3 digits)
- Corrective action: Retry using another PCI slot. Alternatively, replace the adapter.
- Severity: Error
- Action: (R/M/T/S)
-
- 21226 e1000:%s Adapter error (Not configured for bus mastering) vendor-id=8086 device-id=%d revision=%r**
- Description: Gigabit Network connectivity is not configured for the bus master, in PCI BIOS.
 %s: device name
 %d: 1209, for example
 %r: numeric value (1 to 3 digits)
- Corrective action: Mount the adapter in a slot that supports the bus master.
- Severity: Error
- Action: (R/M/T/S)
-
- 21227 e1000:%s Software error (unable to assign PCI resources)**
- Description: The OS cannot allocate PCI resources to Gigabit Network connections.
 %s: device name
- Corrective action: Retry using another PCI slot. Alternatively, check for hardware contention. Eliminate any hardware contention that is found.
- Severity: Warning
- Action: (/ /T/S)

21228 e1000:%s Software error (unable to claim PCI resources)

Description: The driver cannot request PCI resources for Gigabit Network connections.

 %s: device name

Corrective action: Terminate connections that are not network connections.

Severity: Warning

Action: (/ /T/S)

21229 e1000:%s Adapter error (EEPROM error) vendor-id=8086 device-id=%d revision=%r

Description: The EEPROM used for Gigabit Network connections may contain an error.

 %s: device name

 %d: 1209, for example

 %r: numeric value (1 to 3 digits)

Corrective action: Replace the adapter.

Severity: Error

Action: (R/M/T/S)

21230 e1000:%s Software error (Could not start)

Description: No Gigabit Network connection can be established.

 %s: device name

Corrective action: Update the driver.

Severity: Warning

Action: (/ /T/S)

3.2.11.3 BCM5700 messages

21300 b57nd:%s Software error (Failed to allocate memory)

Description: Adapter initialization failed.
 %s: device name

Corrective action: Reinstall the driver.

Severity: Error

Action: (/ /T/S)

21301 b57nd:%s Software error (Failed to allocate map registers)

Description: Map register allocation error
 %s: device name

Corrective action: Reduce the number of send descriptors in the adapter properties, and restart the system.

Severity: Warning

Action: (/ /T/S)

21302 b57nd:%s Adapter error (Failed to access configuration information) vendor-id=14E4 device-id=%d revision=%r

Description: Configuration access error
 %s: device name
 %d: 16A8, for example
 %r: numeric value (1 to 3 digits)

Corrective action: The adapter may have an abnormality. Replace the adapter.

Severity: Error

Action: (R/M/T/S)

21303 b57nd:%s Adapter error (Medium not supported) vendor-id=14E4 device-id=%d revision=%r

Description: Unsupported media error
 %s: device name
 %d: 16A8, for example
 %r: numeric value (1 to 3 digits)

Corrective action: Replace the adapter.

Severity: Error

Action: (R/M/T/S)

21304 b57nd:%s Software error (Unable to register)

Description: Interrupt routine registration failed.
 %s: device name

Corrective action: Retry using another PCI slot.

Severity: Warning

Action: (/ /T/S)

21305 b57nd:%s Software error (Unable to map IO space)

Description: The I/O space cannot be mapped.
 %s: device name

Corrective action: Retry using another PCI slot. Alternatively, check for hardware contention. Eliminate any hardware contention that is found.

Severity: Warning

Action: (/ /T/S)

21306 b57nd:%s Software error (Cannot enter low-power mode)

Description: Automatic negotiation failed.
 %s: device name

Corrective action: Update the driver.

Severity: Error

Action: (/ /T/S)

21307 b57nd:%s Adapter error (Unknown PHY detected) vendor-id=14E4 device-id=%d revision=%r

Description: Unknown error
 %s: device name
 %d: 16A8, for example
 %r: numeric value (1 to 3 digits)

Corrective action: The adapter may have an abnormality. Replace the adapter.

Severity: Error

Action: (R/M/T/S)

21308 b57nd:%s Adapter error (This driver does not support this device) vendor-id=14E4 device-id=%d revision=%r

Description: Unsupported device error
 %s: device name
 %d: 16A8, for example
 %r: numeric value (1 to 3 digits)

Corrective action: Update the driver.

Severity: Error

Action: (R/M/T/S)

21309 b57nd:%s Software error (Driver initialization failed)

Description: Driver initialization error
 %s: device name
 %d: 16A8, for example
 %r: numeric value (1 to 3 digits)

Corrective action: Update the driver.

Severity: Error

Action: (/ /T/S)

3.2.11.4 xframell (10GbE)-related messages

21500 xenand:%s Software error (Could not allocate the resources necessary for operation)

Explanation: An adapter control block could not be allocated.
 %s: Device name

Corrective action: Check whether the system memory estimate is valid. If no problem is found in the memory estimate, restart the system. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (/T/S)

21501 xenand:%s Adapter error (Has determined that the adapter is not functioning properly) vendor-id=17D5 device-id=%d revision=%r

Explanation: The adapter does not operate normally.
 %s: Device name
 %d: Example of xframe II 5832
 %r: Numeric value (1 to 3 digits)

Corrective action: Replace the adapter. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

21502 xenand:%s Adapter error (Could not find an adapter) vendor-id=17D5 device-id=%d revision=%r

Explanation: An adapter is not found.

%s: Device name

%d: Example of xframe II 5832

%r: Numeric value (1 to 3 digits)

Corrective action: Replace the adapter. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

21503 xenand:%s Adapter or Software error (Could not connect to the interrupt number supplied)

Explanation: An interrupt resource could not be allocated.

%s: Device name

Corrective action: Collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (/T/S)

21504 xenand:%s Software error (A required parameter is missing from the Registry)

Explanation: Parameter acquisition from the registry failed.

%s: Device name

Corrective action: Reinstall the driver. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (/T/S)

21505 xenand:%s Adapter error (The I/O base address supplied does not match the jumpers on the adapter) vendor-id=17D5 device-id=%d revision=%r

Explanation: Device memory mapping failed.

 %s: Device name

 %d: Example of xframe II 5832

 %r: Numeric value (1 to 3 digits)

Corrective action: Replace the adapter. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

21506 xenand:%s Adapter error (The adapter is disabled. The driver cannot open the adapter) vendor-id=17D5 device-id=%d revision=%r

Explanation: The adapter cannot be used. The drive cannot open the adapter.

 %s: Device name

 %d: Example of xframe II 5832

 %r: Numeric value (1 to 3 digits)

Corrective action: Replace the adapter. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (R/M/T/S)

21507 xenand:%s Software error (Has encountered an invalid network address.)

Explanation: locally administered address is incorrect.
 %s: Device name

Corrective action: Reinstall the driver. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (/T/S)

21508 xenand:%s Software error (Does not support the configuration supplied.)

Explanation: Parameter acquisition from the registry failed,
 %s: Device name

Corrective action: Reinstall the driver. If the problem persists, collect troubleshooting information (e.g., dumps, logs), and ask your Fujitsu certified service engineer to conduct an inspection.

Severity: Warning

Action: (/T/S)

3.2.12 Fibre-Channel-related messages [Windows] (22000 to 22002)

22000 elxstor:%s Adapter error (Severe Error = %h) vendor-id=10DF device-id=%d revision=%r

Description: An abnormality occurred in the driver, firmware, or an HBA.

 %s: device name

 %h: error code (HEX)

 %d: F980, for example

 %r: numeric value (1 to 3 digits)

Corrective action: Update or reinstall the driver. If the problem persists, replace the adapter. For details on the error codes, see the Emulex Storport miniport driver user manual.

Severity: Error

Action: (R/M/T/S)

22001 elxstor:%s Software error (MalFunction Error = %h)

Description: A system or user error occurred.

 %s: device name

 %h: error code (HEX)

Corrective action: This message does not affect operation. If it is frequently output, contact your Fujitsu certified service engineer. For details on the error codes, see the Emulex Storport miniport driver user manual.

Severity: Warning

Action: (/ /T/S)

22002 elxstor:%s Software error (Command Error= %h)

Description: A command error occurred.
 %s: device name
 %h: error code (HEX)

Corrective action: This message does not affect operation. If it is frequently output, contact your Fujitsu certified service engineer. For details on the error codes, see the Emulex Storport miniport driver user manual.

Severity: Warning

Action: (/ /T/S)

3.2.13 SCSI- and SAS-related messages [Windows] (23000 to 23201)**3.2.13.1 SCSI-related messages****23000 symmpi: Adapter error (Controller Error occurred)**

Description: An error concerning the detection of a driver occurred.

Corrective action: Update or reinstall the driver. If the problem persists, replace the adapter.

Severity: Error

Action: (R/M/T/S)

23001 symmpi: Adapter error (timeout/illegal interrupt occurred)

Description: A timeout or another abnormal interrupt was detected.

Corrective action: Update or reinstall the driver. If the problem persists, replace the adapter.

Severity: Warning

Action: (R/M/T/S)

23100 Isi_scsi: Adapter error (Controller Error occurred)

Description: A driver error was detected.

Corrective action: Update or reinstall the driver. If there is no visible improvement, replace the adapter.

Severity: Error

Action: (R/M/T/S)

23101 Isi_scsi: Adapter error (timeout/illegal interrupt occurred)

Description: A timeout or another abnormal interrupt was detected.

Corrective action: Update or reinstall the driver. If there is no visible improvement, replace the adapter.

Severity: Warning

Action: (R/M/T/S)

3.2.13.2 SAS-related messages

23200 **lsi_sas: Adapter error (Controller Error occurred)**

Description: An error concerning the detection of a SAS driver occurred (applicable only to PRIMEQUEST 520A/520/420)

Corrective action: A driver, adapter, or HDD error may have occurred. Contact your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

23201 **lsi_sas: Adapter error (timeout/illegal interrupt occurred)**

Description: A SAS driver detects a timeout or another abnormal interrupt. (applicable only to PRIMEQUEST 520A/520/420).

Corrective action: A driver, adapter, or HDD error may have occurred. Contact your Fujitsu certified service engineer.

Severity: Warning

Action: (R/M/T/S)

3.2.14 Windows(Disk) messages (24000 to 24003)

24000 **disk:\Device\Harddisk%d\DR%d Device error (The device; \Device\Harddisk%d\DR%d; did not respond within the timeout period.) vendor=%v model=%m serial-no=%ser**

Explanation: A response timeout occurred.

 %d: Number that identifies a device

 %v: Example. FUJITSU

 %m: Example. MAP3367NC

 %ser: Example. 01234567

Corrective action: Check whether the device and adapter are properly connected to each other.

 If properly connected, replace the device. If the problem recurs, contact a Fujitsu-certified service engineer.

Severity: Error

Action: (R/M/T/S)

24001 disk:\Device\Harddisk%d\DR%d Device error (The driver detected a controller error on \Device\Harddisk%d\DR%d) vendor=%v model=%m serial-no=%ser

Explanation: An error occurred between the controller and a device.

%d: Number that identifies a device

%v: Example. FUJITSU

%m: Example. MAP3367NC

%ser: Example. 01234567

Corrective action: Check whether the device and adapter are properly connected to each other.

If properly connected, replace the device. If the problem recurs, contact a Fujitsu-certified service engineer.

Severity: Error

Action: (R/M/T/S)

24002 disk:\Device\Harddisk%d\DR%d Device error (The device; \Device\Harddisk%d\DR%d; is not ready for access yet.) vendor=%v model=%m serial-no=%ser

Explanation: A state of disabled device access occurred.

%d: Number that identifies a device

%v: Example. FUJITSU

%m: Example. MAP3367NC

%ser: Example. 01234567

Corrective action: Check whether the device and adapter are properly connected to each other. If properly connected, replace the device. If the problem recurs, contact a Fujitsu-certified service engineer.

Severity: Error

Action: (R/M/T/S)

**24003 disk:\Device\Harddisk%d\DR%d Device error (The device;
\Device\Harddisk%d\DR%d; has a bad block.) vendor=%v
model=%m serial-no=%ser**

Explanation: The device contains a defective block.

%d: Number indicating the device

%v: Example: FUJITSU

%m: Example: MAP3367NC

%ser: Example: 01234567

Corrective action: Replace the device. If the problem persists, contact
your Fujitsu certified service engineer.

Severity: Error

Action: (R/M/T/S)

3.2.15 Windows PSDM messages (26000 to 26030)

**26000 Disk Mirror: Software error (Mirror driver was not able to start
because of load error)**

Description: The mirror driver failed to start because an error
occurred during driver loading.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/T/S)

**26001 Disk Mirror: Software error (Mirror driver was not able to start
because of initializing process failure)**

Description: The mirror driver failed to start because an error
occurred during driver initialization.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/T/S)

26002 Disk Mirror: Software error (Mirror driver was not able to start because of add device process failure)

Description: The mirror driver failed to start because an error occurred during driver device addition.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/T/S)

26003 Disk Mirror: Software error (Mirror driver was not able to start because of registry accessing error)

Description: The mirror driver failed to start because an error occurred during driver registry access.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/T/S)

26004 Disk Mirror: Software error (Mirror driver was not able to start because of broken reserved data)

Description: The mirror driver failed to start because the data in the mirror driver reserved area was destroyed.

Corrective action: Contact your Fujitsu certified service engineer.

Severity: Error

Action: (/T/S)

26005 Disk Mirror: Device error (The error occurred on all disks in the mirror group)

Description: An error occurred on all disks in the mirror group.

Corrective action: Replace the failed disks and restore backup data.

Severity: Error

Action: (/T/S)

26006 Disk Mirror: Software error (JRM copy process was failed)

Description: Equivalence recovery failed and the status of a disk became INVALID.

Corrective action: Replace the INVALID disk to enable disk mirroring again.

Severity: Warning

Action: (/T/S)

26007 Disk Mirror: Software error (Full disk copy for recovering equivalence process was failed)

Description: Equivalence copy failed and the status of a disk became INVALID.

Corrective action: Replace the INVALID disk to enable disk mirroring again.

Severity: Warning

Action: (/T/S)

26008 Disk Mirror: Software error (Disk surprise removal occurred)

Description: A device was suddenly removed and disabled.

Corrective action: Check whether the disk removal procedure is correct. If a disk in use was mistakenly removed, add the disk by following the correct procedure and then add it as a mirror disk.

Severity: Warning

Action: (/T/S)

- 26009 Disk Mirror: Software error (The spare disk building in the mirror group was failed)**
- Description: Automatic addition of a spare disk to the mirror group failed.
This error occurs only when the disk status in the warning message is error while automatic addition of a spare disk is enabled.
- Corrective action: Replace the failed disk and then add a mirror disk.
- Severity: Warning
- Action: (/T/S)
-
- 26010 Disk Mirror: Software error (Separating the spare disk from the mirror group was failed)**
- Description: Automatic separation of the spare disk from the mirror group failed.
- Corrective action: Contact your Fujitsu certified service engineer.
- Severity: Warning
- Action: (/T/S)
-
- 26011 Disk Mirror: Software error (Disk is not mirrored because only 1 disk remains in the mirror group)**
- Description: The mirror group contains only one mirror disk and cannot implement disk mirroring.
- Corrective action: Replace the failed disk or add a disk, and then add a mirror disk.
- Severity: Warning
- Action: (/T/S)

-
- 26012 Disk Mirror:Disk%d Device error (Disk read error occurred)
vendor=%v model=%m serial-no=%ser**
- Description: The read request to a disk terminated abnormally and
the status of the disk became ERROR.
%d: Disk number
%v: Example FUJITSU
%m: Example MAP3367NC
%ser: Example 01234567
- Corrective action: Replace the failed disk and then add a mirror disk.
- Severity: Warning
- Action: (R/M/T/S)
-
- 26013 Disk Mirror:Disk%d Device error (Disk read error occurred by
time-out) vendor=%v model=%m serial-no=%ser**
- Description: The read request to a disk terminated abnormally due to
a timeout and the status of the disk became ERROR.
%d: Disk number
%v: Example FUJITSU
%m: Example MAP3367NC
%ser: Example 01234567
- Corrective action: Replace the failed disk and then add a mirror disk.
- Severity: Warning
- Action: (R/M/T/S)
-
- 26014 Disk Mirror:Disk%d Device error (Disk write error occurred)
vendor=%v model=%m serial-no=%ser**
- Description: The write request to a disk terminated abnormally and
the status of the disk became ERROR.
%d: Disk number
%v: Example FUJITSU
%m: Example MAP3367NC
%ser: Example 01234567
- Corrective action: Replace the failed disk and then add a mirror disk.
- Severity: Warning
- Action: (R/M/T/S)

26015 Disk Mirror:Disk%d Device error (Disk write error by time-out occurred) vendor=%v model=%m serial-no=%ser

Description: The write request to a disk terminated abnormally due to a timeout and the status of the disk became ERROR.

%d: Disk number

%v: Example FUJITSU

%m: Example MAP3367NC

%ser: Example 01234567

Corrective action: Replace the failed disk and then add a mirror disk.

Severity: Warning

Action: (R/M/T/S)

26016 Disk Mirror:Disk%d Device error (Write-back process was failed) vendor=%v model=%m serial-no=%ser

Description: Write-back processing failed and the status of a disk became ERROR.

%d: Disk number

%v: Example FUJITSU

%m: Example MAP3367NC

%ser: Example 01234567

Corrective action: Replace the failed disk and then add a mirror disk.

Severity: Warning

Action: (R/M/T/S)

26017 Disk Mirror:Disk%d Device error (Write-back frequency reached a regulated value) vendor=%v model=%m serial-no=%ser

Description: The write-back count reached the specified limit in the period and the status of a disk became ERROR.

%d: Disk number

%v: Example FUJITSU

%m: Example MAP3367NC

%ser: Example 01234567

Severity: Warning

Action: (R/M/T/S)

26018 Disk Mirror:Disk%d Device error (JRM read error) vendor=%v model=%m serial-no=%ser

Description: The JRM read request terminated abnormally and the status of a disk became ERROR.

%d: Disk number

%v: Example FUJITSU

%m: Example MAP3367NC

%ser: Example 01234567

Corrective action: Replace the failed disk and then add a mirror disk.

Severity: Warning

Action: (R/M/T/S)

26019 Disk Mirror:Disk%d Device error (JRM read error by time-out) vendor=%v model=%m serial-no=%ser

Description: The JRM read request terminated abnormally due to a timeout and the status of a disk became ERROR.

%d: Disk number

%v: Example FUJITSU

%m: Example MAP3367NC

%ser: Example 01234567

Corrective action: Replace the failed disk and then add a mirror disk.

Severity: Warning

Action: (R/M/T/S)

26020 Disk Mirror:Disk%d Device error (JRM write error) vendor=%v model=%m serial-no=%ser

Description: The JRM write request terminated abnormally and the status of a disk became ERROR.

%d: Disk number

%v: Example FUJITSU

%m: Example MAP3367NC

%ser: Example 01234567

Corrective action: Replace the failed disk and then add a mirror disk.

Severity: Warning

Action: (R/M/T/S)

- 26021 Disk Mirror:Disk%d Device error (JRM write error by time-out) vendor=%v model=%m serial-no=%ser**
- Description: The JRM write request terminated abnormally due to a timeout and the status of a disk became ERROR.
 %d: Disk number
 %v: Example FUJITSU
 %m: Example MAP3367NC
 %ser: Example 01234567
- Corrective action: Replace the failed disk and then add a mirror disk.
- Severity: Warning
- Action: (R/M/T/S)
-
- 26022 Disk Mirror:Disk%d Device error (Status of disk changed to ERROR by disk access except for read and write process) vendor=%v model=%m serial-no=%ser**
- Description: The status of a disk became ERROR due to a cause other than read or write processing.
 %d: Disk number
 %v: Example FUJITSU
 %m: Example MAP3367NC
 %ser: Example 01234567
- Corrective action: Replace the failed disk and then add a mirror disk.
- Severity: Warning
- Action: (R/M/T/S)
-
- 26023 Disk Mirror: Information (System does not shutdown normally last time)**
- Description: The fact that the system had not normally been shut down previously was detected during booting.
- Corrective action: Not required
- Severity: Info
- Action: (/T/S)

- 26024 Disk Mirror: Information (JRM copy process was completed successfully)**
- Description: Equivalence recovery ended successfully.
- Corrective action: Not required
- Severity: Info
- Action: (/T/S)
-
- 26025 Disk Mirror: Information (Full disk copy for recovering equivalence process was completed successfully)**
- Description: Equivalence copy ended successfully.
- Corrective action: Not required
- Severity: Info
- Action: (/T/S)
-
- 26026 Disk Mirror: Information (The spare disk building in the mirror group was completed successfully)**
- Description: Automatic addition of a spare disk to the mirror group is complete.
This message is output only when the disk status in the warning message is error while automatic addition of a spare disk is enabled.
- Corrective action: Not required
- Severity: Info
- Action: (/T/S)
-
- 26027 Disk Mirror: Information (Recovered mirror disk and removing the spare disk from the mirror group was completed successfully)**
- Description: Automatic separation of the spare disk from the mirror group is complete after the status of the disk for which the ERROR status was indicated for the mirror type became VALID through disk replacement and equivalence copy.
- Corrective action: Not required
- Severity: Info
- Action: (/T/S)

26028 Disk Mirror: Information (Disk is removed from the mirror group)

Description: A disk was removed from the mirror group.

Corrective action: Not required

Severity: Info

Action: (/T/S)

26029 Disk Mirror: Information (Write-back process was succeeded)

Description: Write-back processing was successful.

Corrective action: Not required

Severity: Info

Action: (/T/S)

26030 Disk Mirror: Information (Conflict has been found between the configuration database and the actual)

Description: The disk configuration registered in the disk management information differs from the actual configuration. (This symptom occurs when a disk is removed or replaced while Windows reboots after shutdown.)

The disk management information was corrected to enable continuation of normal operation.

Corrective action: Not required

Severity: Info

Action: (/T/S)

3.2.16 Messages for extended file unit (30000 to 30008)

30000 %s1 Detected failure on the fan (status=%h)

Description: A FAN error of the extended file unit was detected.
(4531 informative action)
 %s1 = Linux: Device /dev/sgx of Enclosure
 Windows: SCSI port Device\scsih
 %h = FAN#x status

Corrective action: Replace the FAN.

Severity: Warning

Action: (R/M/T/S)

30001 %s1 Detected failure on the power supply unit (status=%h)

Description: A power supply unit error of the extended file unit was
detected.
(4532 informative action)
 %s1 = Linux: Device /dev/sgx of Enclosure
 Windows: SCSI port Device\scsih
 %h = PSU#x status

Corrective action: Replace the power supply unit.

Severity: Warning

Action: (R/M/T/S)

30002 %s1 Not Installed (status=%h)

Description: The system detected that a FAN on the extended file
unit is not installed.
(4533 informative action)
 %s1 = Linux: Device /dev/sgx of Enclosure
 Windows: SCSI port Device\scsih
 %h = FAN#x status

Corrective action: Install the FAN.

Severity: Warning

Action: (R/M/T/S)

30003 %s1 Not Installed (status=%h)

Description: The system detected that the power supply unit of the extended file unit is not installed.
 (4534 informative action)
 %s1 = Linux: Device /dev/sgx of Enclosure
 Windows: SCSI port Device\scsih
 %h = PSU#x status

Corrective action: Install the power supply unit.

Severity: Warning

Action: (R/M/T/S)

30004 %s1 Enclosure access failed

Description: Access to the Enclosure (SAF-TE controller) failed. As a result, power and FAN status cannot be monitored.
 (4535 informative action)
 %s1 = Linux: Device /dev/sgx of Enclosure
 Windows: SCSI port Device\scsih

Corrective action: Check whether the SCSI cable is normally operational and the device power is OFF. If no problems are found, the SAF-TE controller may be defective; in this case, replace the SCSI module.

Severity: Warning

Action: (R/M/T/S)

30005 %d FAN is Non-Redundant: Sufficient Resources

Explanation: The fan in an expansion file unit is no longer redundant.
 %d = Linux: Enclosure device /dev/sgx
 Windows: SCSI port Device\scsih

Corrective action: Replace the failed fan.

Severity: Warning

Action: (/ /T/S)

30006 %d Power Supply Unit is Non-Redundant: Sufficient Resources

Explanation: The PSU in an expansion file unit is no longer redundant.

%d = Linux: Enclosure device /dev/sgx

Windows: SCSI port Device\scsih

Corrective action: Replace the failed PSU.

Severity: Warning

Action: (/ /T/S)

30007 %d FAN is Non-Redundant: Insufficient Resources

Explanation: The fan needed for running an expansion file unit is not available.

%d = Linux: Enclosure device /dev/sgx

Windows: SCSI port Device\scsih

Corrective action: Replace the fan.

Severity: Error

Action: (/ /T/S)

30008 %d Power Supply Unit is Non-Redundant: Insufficient Resources

Explanation: The PSU needed for running an expansion file unit is not available.

%d = Linux: Enclosure device /dev/sgx

Windows: SCSI port Device\scsih

Corrective action: Replace the PSU.

Severity: Error

3.3 Corrective Actions for PSA Error Messages

An error message may appear in the contents area in an MMB Web-UI window while the PSA window is being operated. This section describes how to take the appropriate action when such error messages are displayed.

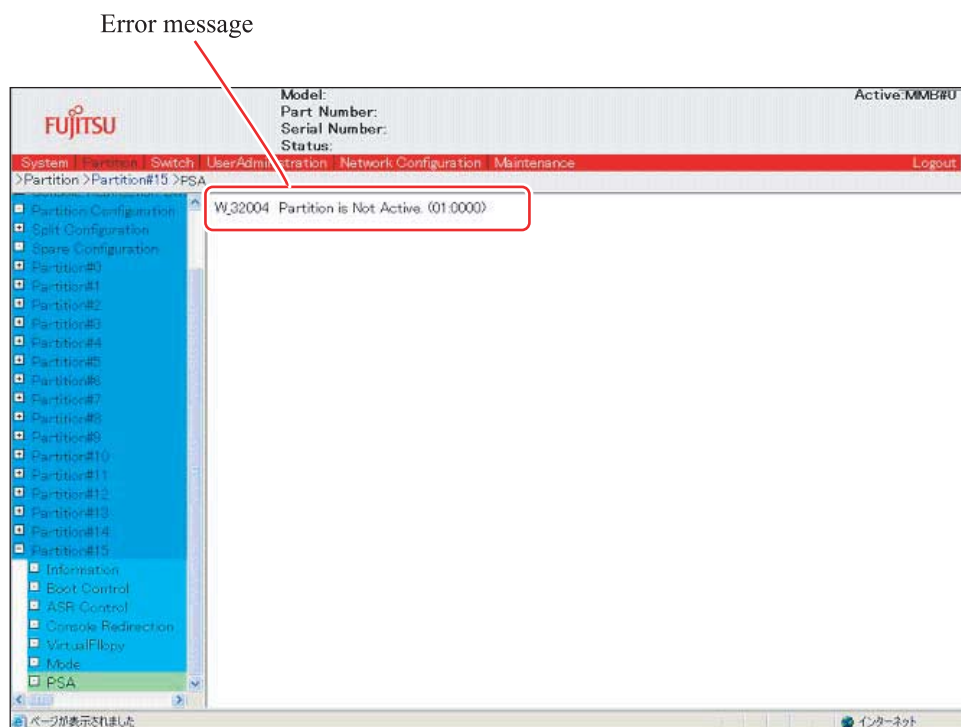


Figure 3.2 Errors displayed in the contents area

3.3.1 Corrective action procedure

This section describes the corrective action procedure for an error message that appears in the contents area while the PSA window is being operated. The corrective actions vary depending on the error message. For the corrective actions to the messages, see Section 3.3.2, "[List of displayed error messages.](#)"

- 1** Write down the displayed message and operation that was performed.
- 2** Download MMB internal logs from the [System Event Log] window.
For details on [System Event Log] window operations, see Section 5.2.3, "System Event Log window," in the *PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands* (C122-E003EN).

3 Collect PSA internal logs by using the following procedure.

- **Linux:**

Use the system data output tool (fjsnap) to collect the logs.

For details of fjsnap operation, see [1.4.1, "System data output tool \(fjsnap\) \(Linux\)."](#)

- **Windows:**

Use the Software Support Guide to collect the logs.

For details of how to operate the Software Support Guide, refer to the manual for the Software Support Guide.

To collect only the internal log data on PSA as instructed by a support engineer, use the PSA troubleshooting data collection command (getopsa). For how to use getopsa, refer to Section 8.4, "PSA Troubleshooting Data Collection Command (getopsa)," in the *PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands* (C122-E003EN).

3.3.2 List of displayed error messages

This section lists error messages.

I_31000**Not Logged In.**

Description: The user is not logged in to the system.

Corrective action: Log in to the system again, redisplay the window in which the error occurred, and check the displayed contents. If the problem persists, contact your Fujitsu certified service engineer.

Severity: Info

E_33000**Internal Error.**

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your Fujitsu certified service engineer.

Severity: Error

E_33001 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33002 Memory Allocate Error.

Description: Resource is insufficient.

Corrective action: 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
2 If it does, take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33003 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33004 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33005 Communication Error.

Description: This is a communication error.

Corrective action: 1 Confirm that the SNMP service has started.

 2 Redisplay the screen where the error occurred and
 check to see if the same message appears again.

 3 If it does, take steps 1 through 3 of Section 3.3.1,
 "Corrective action procedure," and then contact your
 system administrator and Fujitsu certified service
 engineer.

Severity: Error

Note:

- If an attempt is made to download a deleted export file to the terminal, the following message is displayed:
E_33005 Communication Error. (01:3378)
In this event, select [Export List] from the menu again to redisplay the list.
- If the partition load is high, the following message may be displayed:
E_33005 Communication Error. (01:XXXX)
 - * XXXX: 3301, 3399, or 3400
 - * When SUSE™ Linux Enterprise Server 9 SP2 is used, the PSA window may not be displayed even after the load of a partition has been lowered. In such case, stop and restart PSA by using CLI operations. For details of how to start and stop PSA, see Section 8.3, "PSA Start/Stop Command (y30FJSVpsa)," in the *PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands* (C122-E003EN).

E_33006 Memory Allocate Error.

Description: Resource is insufficient.

Corrective action: 1 Redisplay the screen where the error occurred and
 check to see if the same message appears again.

 2 If not, take steps 1 and 2 of Section 3.3.1, "Corrective
 action procedure," and then contact your Fujitsu
 certified service engineer.

Severity: Error

E_33007 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33008 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33009 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33010 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33011 Memory Allocate Error.

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 Take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33012 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33013 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33014 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section 3.3.1, "Corrective action procedure," and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33015 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33016 Memory Allocate Error.

Description: Resource is insufficient.

Corrective action: 1 Redisplay the screen where the error occurred and check to see if the same message appears again.

2 If it does, take steps 1 and 2 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your Fujitsu certified service engineer.

Severity: Error

E_33017 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33018 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33019 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33020 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33021 Memory Allocate Error.

Description: Resource is insufficient.

Corrective action: 1 Redisplay the screen where the error occurred and check to see if the same message appears again.

2 If it does, take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33022 Request Error.

Description: This is a request error.

Corrective action: 1 Redisplay the screen where the error occurred and check to see if the same message appears again.

2 If it does, take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33023**Memory Allocate Error.**

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33024**Memory Allocate Error.**

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33025**Memory Allocate Error.**

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33026 Memory Allocate Error.

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33027 Request Error.

Description: This is a request error.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33028 Memory Allocate Error.

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

Memory Allocate Error.

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

Request Error.

Description: This is a request error.

Corrective action:

1. Log in to the system again, redisplay the screen where the error occurred, and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

Memory Allocate Error.

Description: Resource is insufficient.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 and 2 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33032 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33033 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33034 Request Error.

Description: This is a request error.

Corrective action: 1 Log in to the system again, redisplay the screen where the error occurred, and check to see if the same message appears again.

2 If it does, take steps 1 and 2 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your Fujitsu certified service engineer.

Severity: Error

E_33035 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33036 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33037 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33038 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33039 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33040 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33041 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33042 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33043 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33044 Internal Error.

Description: This is an internal error.

Corrective action: 1 Confirm that the network settings have been changed.
 2 When the network settings have been changed, restart PSA.
 3 Redisplay the screen where the error occurred and check to see if the same message appears again.
 4 If it does, take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33045 PSA is Not Active.

Description: PSA is not installed or has not been started, the partition has not been started, or settings of the management LAN is not correct.

Corrective action: 1 Confirm that PSA is installed and that PSA and the partition have been started, or that the IP address or the firewall settings of the management LAN are correct, or a ping signal is able to pass through to the MMB.

 2 Redisplay the screen where the error occurred and check to see if the same message appears again.

 3 If it does, the network problem of the management LAN may have occurred. Take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer

Severity: Error

E_33046 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33047 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33048 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33049 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33050 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33051 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33052 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33053 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33054 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33055 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33056 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33057 Communication Error.

Description: This is a communication error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33058 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33059 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33060 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33061 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33062 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section [3.3.1](#), "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33063 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33064 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33065 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33066 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33067 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33068 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33069 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 and 2 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33070 Internal Error.

Description: This is an internal error.

Corrective action: Take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33071 Communication Error.

Description: This is a communication error.

Corrective action: 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
2 If it does, take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33072 Communication Error.

Description: This is a communication error.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 through 3 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33073 Communication Error.

Description: This is a communication error.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 through 3 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33074 Communication Error.

Description: This is a communication error.

Corrective action:

- 1 Redisplay the screen where the error occurred and check to see if the same message appears again.
- 2 If it does, take steps 1 through 3 of Section 3.3.1, "Corrective action procedure," and then contact your Fujitsu certified service engineer.

Severity: Error

E_33075 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33076 Request Error.

Description: This is a request error.

Corrective action: Take steps 1 through 3 of Section [3.3.1, "Corrective action procedure,"](#) and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

E_33077 PSA is Not Active.

Description: PSA is not installed or has not been started, or the partition has not been started.

Corrective action: Take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer.

If the partition OS is Windows, this message may be displayed under either of the following conditions:

- When PSA is started for the first time after installation
Time is required for collecting system sensor information. Perform the display operation again several minutes later.
- When PSA is started while the Print Spooler service is stopped
Start the Print Spooler service, and then restart PSA.
- When one of the following types of disks has been transferred between different models of machines, such from the PRIMEQUEST 520A/520 to the PRIMEQUEST 580:
 - a disk on which /var was allocated (Linux)
 - a disk containing the folder that the FJSVApsa_INSTALLPATH environment variable points to (Windows)Uninstall PSA, and then reinstall it again.

Severity: Error

E_33078 No Resource.

Description: Resources are insufficient.

- Corrective action:
- 1 Execute the df command, and check whether the usage rate of the disk area for the partition is close to 100%.
 - 2 Take steps 1 through 3 of Section 3.3.1, "[Corrective action procedure](#)," and then contact your system administrator and Fujitsu certified service engineer.

Severity: Error

CHAPTER 4 Other Messages

This chapter describes messages that are output at system startup and messages pertaining to different types of drivers.

4.1 EFI Error Messages

If an error occurs in the EFI, it is saved to the system event log on the MMB.

The subsequent sections lists the error messages.

4.1.1 System Firmware error

4.1.1.1 Error messages during initialization

0x81 SAL Handoff Invalid Parameter

Description: SAL Handoff Invalid Parameter

Corrective action: Contact your Fujitsu certified service engineer.

0x82 No Timer Interrupt

Description: Timer interrupt error

Corrective action: Contact your Fujitsu certified service engineer.

0x83 NVRAM access error

Description: NVRAM access error

Corrective action: Contact your Fujitsu certified service engineer.

0x84 SAL Procedure error

Description: SAL procedure start error

Corrective action: Contact your Fujitsu certified service engineer.

0xa4 I/O Device probe error

Description: I/O Device probe error

Corrective action: Contact your Fujitsu certified service engineer.

4.1.1.2 Error messages at the time of POST

0x85 PCI Diagnostic error

Description: PCI Diagnostic error

Corrective action: Contact your Fujitsu certified service engineer.

4.1.1.3 Error messages during boot processing

0x9a SCSI Disk read error

Description: SCSI disk read error

Corrective action: Contact your Fujitsu certified service engineer.

0x9b FC Disk read error

Description: FC disk read error

Corrective action: Contact your Fujitsu certified service engineer.

0x9c USB Disk read error

Description: USB disk read error

Corrective action: Contact your Fujitsu certified service engineer.

0x9d USB DVD read error

Description: USB DVD read error

Corrective action: Contact your Fujitsu certified service engineer.

0xa0 EBC Interpreter Stack error

Description: EBC Interpreter stack error

Corrective action: Contact your Fujitsu certified service engineer.

0xa1 Option Driver load error

Description: Option driver load error

Corrective action: Contact your Fujitsu certified service engineer.

0xa2 OS Loader load error

Description: OS loader load error

Corrective action: Contact your Fujitsu certified service engineer.

4.1.1.4 Messages for EFI errors that occur in drivers**0xa3 EFI Internal error 1**

Description: EFI Internal error 1

Corrective action: Contact your Fujitsu certified service engineer.

4.1.2 System Firmware Hang**4.1.2.1 Error messages during boot processing****0x10 MMB Command failed**

Description: MMB command error

Corrective action: Contact your Fujitsu certified service engineer.

4.1.2.2 Messages for EFI errors that occur in drivers**0x81 EFI Internal error 2**

Description: EFI Internal error 2

Corrective action: Contact your Fujitsu certified service engineer.

4.2 Event Log

This section explains the event log collected after installation of the Windows operating system, during Windows operation, or when the Drivers CD is applied.

Note: This section covers only the error events logged after installation of the Windows operating system, during Windows operation, or when the Drivers CD is applied.

Note that it does not cover warning events and events logged by applications other than the operating system.

4.2.1 Checking the event log

If an error event is displayed on a PRIMEQUEST console, the event log needs to be displayed on the PRIMEQUEST console. To display the event log, use "Event Viewer," which is a standard Windows tool.

- 1 Click [Start] → [Management Tool], and select Event Viewer.
- 2 Click [Application], [Security], and then [System] to display reported events.

4.2.2 Event log

Table 4.1 Event log

Event ID	Source	Description	Corrective action
17	W32time	This event occurs when communication with an NTP server is disabled. It may occur if no network card driver is installed.	Install the network card driver, and check whether communication is enabled. http://support.microsoft.com/kb/830092/
24	WinMgmt	This event occurs when Management and Monitoring Tools are installed.	No action is needed because this is a Windows problem. http://support.microsoft.com/kb/902540/
29	W32time	This event occurs when communication with the NTP server is disabled. It may occur if no network card driver is installed.	Install the network card driver, and check whether communication is enabled. http://support.microsoft.com/kb/830092/

Table 4.1 Event log

Event ID	Source	Description	Corrective action
523	Network/Optional/ Component	A problem in the network settings is likely. This event occurs if the address assigned as an IP address is not a static IP address in the setting in which WINS is installed.	Check the WINS settings.
1000	Dhcp	This event occurs if an IP address cannot be obtained from the DHCP server.	Check the DHCP server and client configurations.
1008	Dhcp	This event may occur depending on the network settings on the DHCP server.	See the corrective action described at the following URL: http://support.microsoft.com/kb/200462/
1041	Dhcp Server	This event may occur if a static IP address is not set during installation or setup of the DHCP server.	Check the DHCP server configuration.
1046	Dhcp Server	The server on which the DHCP server is installed must be recognized by the domain manager of the domain that the server is joining. Otherwise, the DHCP server cannot start, and an error results.	Check the domain manager and configuration.
1053	Userenv	This event may occur if an Active Directory group policy setting has a problem.	See the corrective action described at the following URL: http://support.microsoft.com/kb/262958/
1059	Dhcp Server	This event may occur if a static IP address is not set during installation or setup of the DHCP server.	Check the DHCP server configuration.
2000	Server	This event may occur when a network card drive is installed.	No action is needed because the event causes no problem in operation of the operating system.
2504	Server	This event may occur when a network card drive is installed.	No action is needed because the event causes no problem in operation of the operating system.

Table 4.1 Event log

Event ID	Source	Description	Corrective action
3009	LoadPref	This event occurs because there is no ipsecprf.ini or ipsecnm.h file, but it causes no problem in operation of the operating system.	The event occurs according to the operating system specifications and causes no problem in operation. No action is needed. For details, see the following: http://support.microsoft.com/kb/894829/
4307	NetBt	This event may occur depending on the network settings.	Enter the "nbstat -n" command at the command prompt. If a computer name is registered, no problem is assumed.
5719	Netlogon	This event may occur at the start of the Netlogon service or if the service load is too high. One possible cause is an area shortage of the NetBt datagram buffer.	If this event occurs frequently, take the corrective action described at the following URL: http://support.microsoft.com/kb/310339/
5788	Netlogon	This is an error arising from a problem in the Active Directory.	See the information at the following URL. If the error is assumed to have no effect, there is no problem. http://support.microsoft.com/kb/257734/
5789	Netlogon	This is an error arising from a problem in the Active Directory.	See the information at the following URL. If the error is assumed to have no effect, there is no problem. http://support.microsoft.com/kb/257734/
7011	Service/Control/Manager	Starting the DFS service immediately after operating system installation or Service Pack application may take a long time, and this event may result.	If this event is logged frequently, take the corrective action described at the following URL: http://support.microsoft.com/kb/902038/
8003	MR x Smb	This event may occur if multiple network cards are mounted.	The event occurs according to the operating system specifications and causes no problem in operation. http://support.microsoft.com/kb/417198/

Table 4.1 Event log

Event ID	Source	Description	Corrective action
8032	Browser	This event may occur if multiple network cards are connected to the same subnet or an invalid subnet.	See the corrective action described at the following: http://support.microsoft.com/kb/135404/
10016	DCOM	This event occurs because the Netman service cannot start with a Network Service account, but this causes no problem in operation.	If this event is logged frequently, take the corrective action described at the following URL: http://support.microsoft.com/kb/899965/
12020	MacFile	This event occurs if a network includes a server on which Macintosh File Sharing function is enabled and whose AppleTalk server name has not been changed.	Check the server configuration.
32003	IPNATHLP	This event occurs if the network settings have a problem.	Check the network settings. For details, see the following URL: http://support.microsoft.com/kb/293497/
60055	Setup	This event occurs when the operating system is set up with SystemcastWizard Lite. The following description is contained in setuperr.log at %Systemroot% (normally, C:\WINDOWS): "The IP setting of 'AdapterXX' in the response is invalid. DHCP is disabled and, also, a static IP address was not found."	If operating system installation is completed, there is no problem and no action is needed.
60055	Setup	This event occurs during operating system installation with high-speed setup. The error cause is described in setuperr.log at %Systemroot% (normally, C:\WINDOWS) as follows: No product ID was entered during setup.	If operating system installation is completed, there is no problem and no action is needed.

Appendix A Troubleshooting

Appendix A describes how to take the appropriate corrective action in the event that the main unit does not operate normally or an error message is displayed.

A.1 Taking Corrective Action for Problems

This section describes causes of problems and their corrective actions.

A.1.1 Problems related to the main unit or a PCI_Box

An LED lamp on the main unit does not go on or the amber lamp is lit.

Cause: A failure may have occurred in the main unit of the server.

Corrective action: Contact your Fujitsu certified service engineer.

An error message is displayed.

Cause: An error occurred in the unit.

Corrective action: Check the error message, and take the corrective action for the error.

The keyboard or mouse does not function.

Cause: The keyboard or mouse may not be connected to the appropriate partition by the switch function.

Corrective action: Check the connected partition by referring to the [USB/Video/DVD Switch] window, and connect the keyboard or mouse to the partition.

"Read Error" is displayed for [Part Number] or [Serial Number] in the MMB-Web-UI window.

Cause: An error occurred in that [Part Number] or [Serial Number] cannot be read.

Corrective action: Contact your Fujitsu certified service engineer.
Until recovery from this fault, do not execute [Reset] or [Force Power Off] for a partition.

A.1.2 Problems related to the MMB

No connection to the PRIMEQUEST can be established from the Web-UI.

- | | |
|--------------------|--|
| Cause 1: | The specified IP address, subnet mask, or gateway may be invalid. |
| Corrective action: | Specify the necessary information correctly, while referring to the <i>PRIMEQUEST 500A/500/400 Series Installation Manual</i> (C122-E001EN). |
| Cause 2: | Check whether there is an abnormality in the network ranging from the MMB console PC to the MMB user board. |
| Corrective action: | Replace the network equipment or the LAN cables, whichever is faulty. |
| Cause 3: | In case of PRIMEQUEST 580A/540A/580/540/480/440, a failure may have occurred in the MMB internal network (internal hub, etc.) |
| Corrective action: | Switch from the active MMB by following the procedure below: <ol style="list-style-type: none"> 1. Log in to the standby MMB via telnet/ssh. 2. Switch from the active MMB to the standby MMB with the set active_mmb command, by referring to "6.2.9 set active_mmb" in the <i>PRIMEQUEST 580A/540A/520A/500/400 Series Reference Manual: Basic Operation/GUI/Commands</i> (C122-E003). |

The MMB window is not displayed.

- | | |
|--------------------|---|
| Cause 1: | The MMB LAN port may be disabled. |
| Corrective action: | Enable the LAN port. |
| Cause 2: | The PC of the MMB console may not be correctly connected to the MMB USER port. |
| Corrective action: | Correctly connect the PC of the MMB console. |
| Cause 3: | Check the browser version. |
| Corrective action: | The MMB supports the following browsers: <ul style="list-style-type: none"> ● Microsoft Internet Explorer V5.5 (SP2) and later ● Netscape V7.02 and later |
| Cause 4: | Check whether the JavaScript setting of the browser is enabled. |

Corrective action: The MMB Web-UI uses JavaScript. Enable JavaScript setting in the browser.

A.1.3 Problem related to a partition

[Power off], [Reset], or [Force Power Off] is executed for a partition or a shutdown is executed from the operating system, and, as a result, "Error" is displayed for [Status] in the MMB Web-UI window (information frame). Furthermore, an attempt to display the status of each component in the MMB Web-UI window causes "Read Error" to be displayed for [Part Number] or [Serial Number].

Cause: A hardware failure may have occurred.

Corrective action: Contact your Fujitsu certified service engineer.
Until recovery from this fault, do not execute [Reset] or [Force Power Off] for a partition.

Glossary

ACS (AC Section)

AC power input section

ASIC (Application Specific Integrated Circuit)

Integrated circuit (IC) designed and manufactured for specific applications

API (Application Program Interface)

A set of instructions and functions used for developing operating systems and middleware

BIOS (Basic Input Output System)

Part of the operating system (OS) function. The BIOS is the system that controls input/output to devices. For the PRIMEQUEST-series machine, BIOS is a general term for PAL, SAL, and EFI.

BMC (Baseboard Management Controller)

The BMC is a system management controller that continuously monitors the system for serious hardware errors and notifies the OS of such errors.

BMM (BMC Module)

Board on which legacy I/O ports such as BMC, VGA, USB, and COM ports are mounted

BP (Backplane)

The backplane is connected to SBs, IO Units, and other devices. Together with the XAI and XDI, it constitutes the memory and I/O interconnect (crossbar).

Business LAN

LAN used to configure a user business system

CLI (Command Line Interface)

This interface with UNIX or DOS allows the user to enter commands and optional arguments to communicate with the OS.

CoA

Abbreviation for Certificate of Authenticity. This is a visual identifier that helps identify genuine Microsoft software and components.

COM Port (Communication Port)

RS-232C serial port for PC/AT compatible machines. A COM port is also called an "RS-232C port." Most PC/AT compatible machines each have two COM ports, which are often used to connect a modem, terminal adapter, or scanner. Most of these ports use D-Sub 25-pin or D-Sub 9-pin connectors.

CPCB (Clock and PCI_Box Control Board)

Board equipped with a system clock oscillator and a PCI_Box control interface

Crossbar

This concept covers the address crossbar and data crossbar that transfer data and control the data transfer between SBs and IO Units. Memory and I/O interconnect has the same meaning as crossbar.

DDR2 (Double Data Rate 2)

Standards for the next generation of memory that operates at higher speeds and consumes less power than conventional DDR memory

DIMM (Dual Inline Memory Module)

This compact memory module has pins on both sides and is mainly used in notebook PCs.

DP

Abbreviation for Dynamic Partitioning. This is a function for dynamically adding, deleting, or replacing CPU or memory resources as well as PCI cards and onboard I/O units in a partition while the operating system is running in the partition.

DVD-ROM (Digital Versatile Disc-Read-Only Memory)

Digital format for high-volume storage of data on optical disks

ECC (Error Checking Correction)

Error correction code or a method of using the error correction code to check for and correct errors

EFI (Extensible Firmware Interface)

Specifications for an interface between an OS and firmware. Instead of the BIOS, EFI is used for hardware control.

FC (Fibre Channel)

One of the serial interface standards. The Fibre Channel standard uses fiber cables as the transmission medium.

Firmware

Built-in software for basic hardware control

FWH (Firmware Hub)

LSI device from Intel Corporation. FWH is flash memory that stores SAL (BIOS). The PRIMEQUEST-series machine uses two types of FWH: one type is mounted on an SB and the other is mounted in an IO Unit.

GAC (Global Address Controller)

One of the ASICs developed by Fujitsu for the PRIMEQUEST-series machine

GbE (Gigabit Ethernet)

Ethernet standards for high-speed communication of up to 1 Gbps

GDS

Abbreviation for PRIMECLUSTER GDS

GDX (Global Data Xbar)

One of the ASICs developed by Fujitsu for the PRIMEQUEST-series machine

GLS

Abbreviation for PRIMECLUSTER GLS

GSWB (Gigabit Switch Board)

Board with a switching hub function and a connector that receives Gigabit Ethernet interface output from an IO Unit via the BP and outputs it to a destination outside the cabinet

HBA

Abbreviation for a host bus adapter

HDD (Hard Disk Drive)

Device that reads a hard disk. HDD may also be an abbreviation for the hard disk itself.

Hot Plug

Method of replacing components while power is on

HTTP (Hypertext Transfer Protocol)

Protocol used by Web servers and clients for data transmission

I2C (Inter Integrated Circuit)

Protocol used for high-speed communication between integrated circuits (ICs)

IA (Intel Architecture)

Generic term for the basic design (architecture) of Intel's microprocessors

IFT (Instruction Fetch)

Mechanism for reading instructions stored in memory

IHV (Independent Hardware Vendor)

This hardware provider has no special relationship with a particular hardware or OS maker.

IO Unit

I/O control unit that contains PCI card slot, HDD, SCSI controller, GbE controller, and other I/O interfaces

IP Address (Internet Protocol Address)

Identification number assigned to each computer connected to an IP network, such as the Internet and intranets

IPMI (Intelligent Platform Management Interface)

Standardized interface specifications established so that SNMP and server management software can monitor server hardware independently of specific hardware systems and OSs

ISV (Independent Software Vendor)

This application software provider has no special relationship with a particular hardware or OS maker.

KVM (KVM interface unit)

Unit used to select the USB interface for keyboard and mouse, or the VGA interface, for external output from a partition

LAN (Local Area Network)

Using optical fiber, for example, this network allows data to be transferred among computers and printers connected in a facility.

LDAP (Lightweight Directory Access Protocol)

Protocol used to access directory databases in a TCP/IP network, such as the Internet and intranets

LDX (Local Data Xbar)

One of the ASICs developed by Fujitsu for the PRIMEQUEST-series machine

LED

Abbreviation for a light emitting diode

MAC address (Media Access Control Address)

Unique address assigned to each network interface device, switch, or router mounted on a network interface card (NIC) or motherboard

Management LAN

This LAN connects the MMB to partitions and to LANs outside the cabinet so that the PRIMEQUEST system can be managed.

MIB (Management Information Base)

Information released by a network device managed by SNMP in order to post the device status to an external destination

Middleware

Software that runs under an OS and provides application software with more advanced and detailed functions than the OS. It is positioned between the OS and application software in terms of its characteristics.

MMB (Management Board)

This server management board is a system control unit whose tasks include control and monitoring of cabinet hardware, partition management, and system initialization.

NIC (Network Interface Controller)

Hardware that supports network functions

NTP (Network Time Protocol)

Standard time information protocol used on the Internet. Highly precise time information with consideration of line speeds and load changes in paths can be obtained with this protocol.

PAL (Physical Abstract Layer)

Firmware that provides platform initialization and operating system boot functions

Partition

System equipped with the functions of a processing unit. Each partition contains software resources such as an OS and applications as well as hardware resources such as SBs and IO Units.

PCI_Box

Device used for PCI slot expansion

PCI Hot Plug

Technology that enables PCI cards to be mounted and removed while the system is operating

PCI (Peripheral Component Interconnect)

Bus architecture established by PCI SIG for connecting PC components

PCIU (PCI Unit)

PCI-X card slot expansion unit that is mounted in a PCI_Box

PEXU

PCI Express card slot expansion unit that is mounted in a PCI_Box

Platform

OS type or environment that is the basis for operation of application software

POST (Power-On Self Test)

Hardware test that is automatically run when the computer is powered on

Private LAN

LAN used for internal control, under which firmware programs installed on hardware components communicate with one another. MMB firmware, GSWB firmware, and BMC firmware installed on IO Units can use a private LAN for communication with one another. OSs and applications cannot use a private LAN.

PSA (PRIMEQUEST Server Agent)

Software that performs hardware error monitoring and configuration management over PRIMEQUEST partitions

PSU (Power Supply Unit)

Component that converts AC voltage to DC voltage as a DC power supply

PXE

PXE (Preboot eXecution Environment) Network boot standard based on BIOS technology that enables remote operation of management tasks such as system start and OS installation/update

RAID (Redundant Array of Independent Disks)

Technology that increases reliability and processing speeds by using multiple hard disks as a single disk

REMCS (Remote Customer Support System)

Fujitsu's remote customer support service

Reserved SB

Standby SB reserved for possible failures

RHEL (Red Hat Enterprise Linux)

Linux distribution released by Red Hat, Inc.

SAF-TE

Abbreviation for a SCSI accessed fault-tolerant enclosure

SAL (System Abstraction Layer)

Firmware that supports processor initialization and error recovery functions

SAN (Storage Area Network)

Dedicated network for connections between a server and storage devices

SB (System Board)

Board on which a CPU and memory are mounted

SCSI (Small Computer System Interface)

Standards for connections between PCs and peripherals. SCSI was established by the American Standards Association.

SDRAM (Synchronous DRAM)

Memory standard for access speeds that are higher than those of DRAM

SEL (System Event Log)

Information on the processing parameters, processing, and processing results logged during hardware and software operations

SERDES (Serializer Deserializer)

Parallel-to-serial converter (from low speeds to high speeds)

SIRMS (Software Product Information Collection for Remote Maintenance Support)

Software that collects configuration information on software installed in PRIMEQUEST partitions

S.M.A.R.T. (Self-Monitoring Analysis Reporting Technology)

Function that enables a hard disk to monitor its own conditions and notify the BIOS of any error detected

SMP (Symmetric Multiple Processor)

Parallel processing system in which all processors work together through common memory resources

SNMP (Simple Network Management Protocol)

TCP/IP-compliant protocol for managing devices in a network

SSL (Secure Sockets Layer)

Protocol under which information is encrypted for transmission. SSL was developed by Netscape Communications Corp.

System Mirror Mode

Mechanism for duplicating memory, system interconnects, and internal hardware components of chipsets so that operation can continue with another component in the event that one of duplicated components fails.

Telnet

Protocol or standard method for remote control of computers connected to a TCP/IP network, such as the Internet and intranets

UPS (Uninterruptible Power Supply)

Power supply unit that stores power and protects against possible damage and loss of computer data from a momentary voltage drop or unexpected power failure

USB (Universal Serial Bus)

One of the standards on connecting peripheral devices such as keyboards and mice

VLAN (Virtual LAN)

Function that logically groups the ports of one switching hub so each group works as an independent LAN

Web UI (Web User Interface)

Interface that uses a Web browser for displaying information to users and for user operations

XAI (Xbar Address Interconnect Board)

Board that transfers address information and controls the information transfer between SBs and IO Unit boards

XDI (Xbar Data Interconnect Board)

Board that transfers data and controls the data transfer between SBs and IO Unit boards

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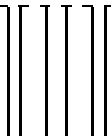
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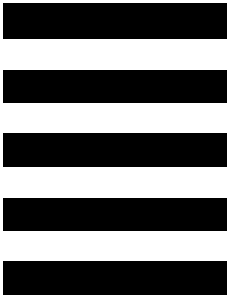


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