



SPARC® Enterprise M4000/M5000 Servers Product Notes

For XCP version 1060

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Preface

These product notes contain late-breaking information about the SPARC® Enterprise M4000/M5000 server hardware, software, or documentation that became known after the documentation set was published.

Technical Support

If you have technical questions or issues that are not addressed in the SPARC Enterprise M4000/M5000 servers documentation, contact a sales representative or a certified service engineer.

Software Resources

The Solaris™ Operating System and Sun Java™ Enterprise System software are preinstalled on your SPARC Enterprise M4000/M5000 servers.

Contact a sales representative or a certified service engineer for software resources for your SPARC Enterprise M4000/M5000 servers.

Note – For latest patch information go to:

Global Site

<http://www.fujitsu.com/global/support/software/security/products-s/patch-info/>

Japanese Site

<http://software.fujitsu.com/jp/security/products-others/unix/>

North American Site

<https://download.computers.us.fujitsu.com/>

Installation information and README files are included in the patch download.

Accessing Documentation

Instructions for installing, administering, and using your SPARC Enterprise M4000/M5000 servers are provided in the SPARC Enterprise M4000/M5000 servers documentation set.

The documentation set is available for download from the following website:

Global Site

<http://www.fujitsu.com/sparcenterprise/manual/>

Japanese Site

<http://primeserver.fujitsu.com/sparcenterprise/manual/>

North American Site

<https://download.computers.us.fujitsu.com/>

Note – Information in these product notes supersedes the information in the SPARC Enterprise M4000/M5000 servers documentation set.

Solaris documentation is available at:

<http://www.sun.com/documentation>

Fujitsu Welcomes Your Comments

If you have any comments or requests regarding this manual, or if you find any unclear statements in the manual, please state your points specifically, and forward it to a sales representative or a certified service engineer.

Please include the title and part number of your document with your feedback.

SPARC Enterprise M4000/M5000 Servers Product Notes

These product notes contain late-breaking information about the SPARC® Enterprise M4000/M5000 server hardware, software, or documentation that became known after the documentation set was published.

- [Supported Versions of Firmware and Software](#)
- [Patch Information](#)
- [Known Issues](#)
- [Notes for XCP 1050 or Later](#)
- [Notes for XSCF Web](#)
- [Hardware Installation and Service Issues](#)
- [Hardware Documentation Updates](#)
- [Software Issues](#)
- [Software Documentation Updates](#)

Supported Versions of Firmware and Software

The following firmware and software versions are supported in this release:

- XSCF Control Package (XCP) 1060 or later

You can download the latest files of firmware at the following websites.

Global Site:

<http://www.fujitsu.com/sparcenterprise/firmware/>

Japanese Site:

<http://primeserver.fujitsu.com/sparcenterprise/download/firmware/>

Note – When the XCP version preinstalled in your server is under XCP 1060, you must upgrade to XSCF Control Package(XCP) 1060 or later. Use the web browser interface, also known as the browser user interface (BUI), to import XCP firmware and then execute the `flashupdate(8)` command to upgrade the XCP firmware with the XSCF Shell.



Caution – CR ID #6534471: Improper handling of large page in kernel memory may cause random panics. Implement the workaround for CR ID #6534471 or check for the availability of a patch and install it immediately. This bug has been fixed by 125100-06 and Solaris 10 8/07.

- The first version of the Solaris™ Operating System (OS) to support these servers is the Solaris 10 11/06 OS.
-

Note – It is required that all SPARC Enterprise M4000/M5000 servers be upgraded to XCP 1050 or later in order to support adding future COD Right To Use (RTU) licenses. Contact a certified service engineer.

Patch Information

This section lists mandatory patches for the SPARC Enterprise M4000/M5000 servers.

These patches are not required for servers running Solaris 10 8/07 OS.

- 118833-36 (Install 118833-36 before 125100-04.)
- 125100-04 or later
- 120068-03 or later
- 123839-07 or later
- 125424-01 or later
- 125075-01 or later
- 125670-02 or later

Note – See [“Software Resources” on page vii](#) for information on how to find the latest patches. Installation information and README files are included in the patch download.

Known Issues

This section describes known issues in this release.

General Functionality Issues and Limitations



Caution – For dynamic reconfiguration (DR) and hot-plug issues, see [TABLE 7](#).

- Domains using the ZFS file system can not use Dynamic Reconfiguration.
- SPARC Enterprise M4000/M5000 servers are cold service machines. Hot-swapping of the CPU/Memory board unit (CMU), I/O Unit (IOU), or any eXtended System Control Facility (XSCF) unit is not supported.
- For this XCP release, the XSCF web browser interface, also known as the browser user interface (BUI) does not support the External I/O Expansion Unit Manager feature.
- The XSCF web browser interface, also known as the browser user interface (BUI), supports new feature concerning the COD configuration.
- The XSCF does not support the Log Archiving feature.
- When using XSCF as the NTP server of the domain, configure it so as not to block the ICMP protocol of the DNS server and the NTP server which the XSCF refers to.
- When you use the external power control interface (EPC) of the external power controller, the following notification signals are not supported;
 - the OS panic or the server hardware error signal (*CPUN/RTNU)
 - the server hardware error signal (power fail, temperature error, and fan error) (*ALARM)
- For 1027A-Z/X1027A-Z, PCIe Dual 10 Gigabit Ethernet Fiber XFP cards, these limits apply:
 - Do not use more than two cards in an External I/O Expansion Unit.
 - Do not use these cards in an External I/O Expansion Unit.
- For 4447A-Z/X4447A-Z, PCIe Quad-port Gigabit Ethernet Adapter UTP cards, these maximum limits apply:
 - No more than two cards per I/O boat
 - No more than four cards in a SPARC Enterprise M4000 server
 - No more than eight cards in a SPARC Enterprise M5000 server

- To complete updating the OpenBoot PROM firmware in the target domain, be sure to power off/on the domain.
 - In case that Solaris OS is in a single user mode, if you switch from the domain console to the XSCF Shell, Solaris OS might be started up to multi-user mode. When you operate the single user mode for Solaris OS, don't switch from the domain console to the XSCF Shell.
 - We recommend the domain to use the XSCF Unit as NTP server. In this case, needs the following attention.
 - XSCF must be connected to an external NTP server
 - When you connect one or more NTP servers in addition to XSCF, connect the same NTP server as XSCF is using
- For details on NTP server, contact a certified service engineer. For details on NTP settings, refer to the *SPARC Enterprise M4000/M5000/M8000/M9000 servers XSCF User's Guide*.
- The default policy on full trail is "count", which is same as executing "setaudit -p count". Do not set this policy to "suspend" by executing "setaudit -p suspend".

Notes for XCP 1050 or Later

You cannot use the following user account names, as they are reserved for system use: root, bin, daemon, adm, operator, nobody, sshd, rpc, rpcuser, ldap, apache, ntp, admin, and default.

Notes for XSCF Web

- Using the XSCF Web, when you import XCP or update the firmware, Session ID error may be displayed on the web browser. And in the Autologout setting, when you specify the timeout period as over 30 minutes, Internal Server Error may be displayed when you perform the firmware update.
- When you use the XSCF Web, if a plug-in such as the search tool installed with the browser, remove the plug-in or disable the pop-up blocking.

Hardware Installation and Service Issues

This section describes hardware specific issues and workarounds.

Notes for power-on after power-off

Please wait at least 30 seconds before turning on the system power that you turned off, by pulling out the power cable or using the circuit breakers on the distribution panel.

Specific Issues and Workarounds

[TABLE 1](#) lists known hardware issues and possible workarounds.

TABLE 1 Hardware Issues and Workarounds

CR ID	Description	Workaround
6433420	The domain console might display a Mailbox timeout or IOCB interrupt timeout error during boot.	Issue a <code>reset -all</code> command from the OpenBoot PROM (OK) prompt and reboot.
6488846	During boot, the domain console might display a checksum error for the SG(X)PCI2SCSIU320-Z SCSI controller I/O card.	Check for the availability of the latest controller card firmware.
6498780	On the SPARC Enterprise M4000/M5000 servers, the OpenBoot PROM (OBP) might not detect the on-board disk (HDD) boot device. Performing a <code>boot disk</code> results in a console message: <code>Can't locate boot device</code>	The PCI or PCI-X plug-in adapter card might not be seated correctly. Reseat the card in slot 0 of the IOU.

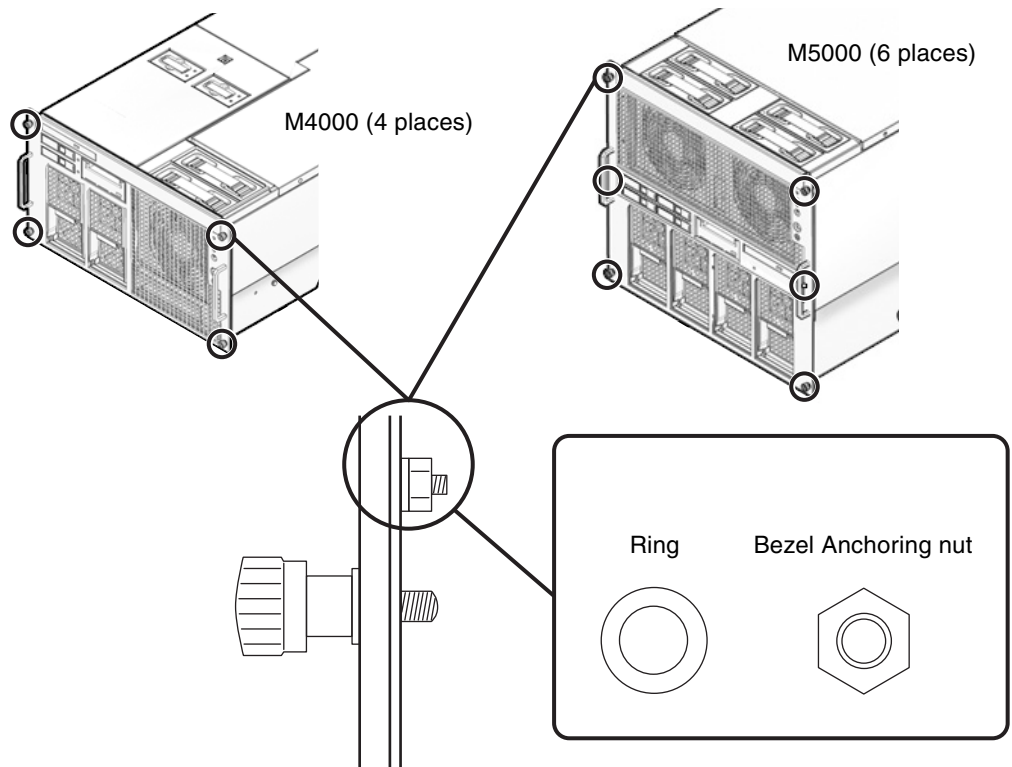
Cautions for Mounting the Server in the Equipment Rack

Note – As of January 2008, cable management arm (CMA) is not supplied with the SPARC Enterprise M4000 server. To mount the SPARC Enterprise M4000 server in the equipment rack, see the *SPARC Enterprise Equipment Rack Mounting Guide* and use the cable bracket to secure the cable.

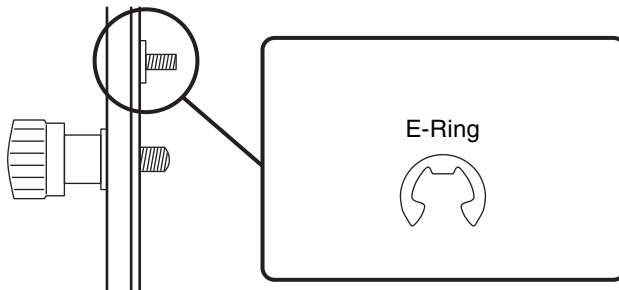
When you mount the SPARC Enterprise M4000 or M5000 server in the equipment rack, as you insert it all the way seated in the rack, the nut anchoring the bezel may interfere with the rack column and the server may fail to be seated correctly.

In such a case, please replace the bezel anchoring nut and ring with the E-Ring.

1. Remove the interfering bezel anchoring nut and ring.



2. In place of the removed nut and ring, attach the E-Ring, included in the rack mount kit.



3. Insert the server all the way seated in the rack, to lock it in place.

Hardware Documentation Updates

TABLE 2 lists known documentation updates.

TABLE 2 Documentation Updates

Title	Page Number	Update
All SPARC Enterprise M4000/M5000 servers documentation		All DVD references are now referred to as CD-RW/DVD-RW. Updated glossary terms: <i>External I/O Expansion Unit</i> — A rack mountable device to add-on PCI slots. It is connected to the system's I/O unit through the PCIe connection and contains one or two I/O boats. <i>I/O boat</i> — An I/O unit in the External I/O Expansion Unit. The I/O boat connects to a PCI-Express (PCIe) slot through a PCIe switch or a PCI-X bridge on the I/O boat and offers either six PCI-X slots or six PCIe slots.
SPARC Enterprise M4000/M5000 Servers Site Planning Guide	1-7	TABLE 1-3 "Midrange Servers Physical Specifications" Correct numerical value of "Depth" is 810mm/31.9 in. for the SPARC Enterprise M4000/M5000 servers.
SPARC Enterprise M4000/M5000 Servers Installation Guide	2-8	TABLE 2-3 "Powercords" See " Cable Connections " on page 12 for the changes.
SPARC Enterprise M4000/M5000 Servers Installation Guide	3-3	3.3, "Connecting the Administration Console". The RJ-11 connector at the top of Figure 3-1 was not labelled. The RJ-11 connector is not for connection to TNV circuits. Do not use this connector.
SPARC Enterprise M4000/M5000 Servers Service Manual	1-4	1.3.4, "Handling Components" The following caution will be added.



Caution – In the PCI cassette part, when removing cables such as LAN cable, if your finger can't reach the latch lock of the connector, press the latch with a flathead screwdriver to remove the cable. Forcing your finger into the clearance can cause damage to the PCI card.

TABLE 2 Documentation Updates (*Continued*)


Title	Page Number	Update
SPARC Enterprise M4000/M5000 Servers Service Manual	4-11	4.4.3, "Powering the Server Off Manually" Step 4 "Verify the state of the status XSCF STANDBY LED on the operator panel is off" should be replaced with the following description: "Verify the state of the status Power LED on the operator panel is off."
SPARC Enterprise M4000/M5000 Servers Service Manual	8-5	8.1.2, "Removing the PCI Cassette" The cable management arm of the SPARC Enterprise M4000 server will not be supported. The following note will be deleted accordingly. Note - The cable management arm of the SPARC Enterprise M4000 server might obstruct access to the PCI cassettes. Do not force the arm out of the way of the cassettes, because it will become permanently bent. Pull the quick release button and disconnect the slide end of the arm. Once disconnected, the arm can be safely held out of the way when removing the cassettes. Instead, the following caution will be added.
 Caution – When removing cables such as LAN cable, if your finger can't reach the latch lock of the connector, press the latch with a flathead screwdriver to remove the cable. Forcing your finger into the clearance can cause damage to the PCI card.		
SPARC Enterprise M4000/M5000 Servers Service Manual	8-6	8.1.3, "Installing the PCI Cassette" See "Installing the PCI Cassette" on page 13 for the changes.
SPARC Enterprise M4000/M5000 Servers Service Manual		"Cold Replacement" "This step includes turning the keyswitch to the Service position, verifying the state of the LEDs and disconnecting power cables" should be substituted with the following description: "This step includes turning the keyswitch to the Service position, verifying that the Power LED is turned off and disconnecting power cables."

TABLE 2 Documentation Updates (*Continued*)

Title	Page Number	Update
SPARC Enterprise M4000/M5000 Servers Service Manual	9-1 15-1	CHAPTER 9, "XSCF Unit Replacement" CHAPTER 15, "Operator Panel Replacement" The following important message will be added.
<hr/> <p>Note – If you replace the XSCF unit and the operator panel simultaneously, system will not operate normally. Execute the <code>showhardconf</code> command or the <code>showstatus</code> command to confirm that the component replaced earlier is operating normally, before replacing the subsequent FRU.</p> <hr/>		
SPARC Enterprise M4000/M5000 Servers Service Manual	11-7	11.2, "DIMM Replacement" See "DIMM Replacement" on page 14 for the changes.
SPARC Enterprise M4000/M5000 Servers Service Manual	C-7	TABLE C-5 "Power Supply Feature" See "Electrical Specifications" on page 11 for the changes.

Electrical Specifications

The following changes belong in the SPARC Enterprise M4000/M5000 Servers Service Manual.

TABLE 3 Power Supply Features

	SPARC Enterprise M4000	SPARC Enterprise M5000
Power draw (maximum)	2016W	3738W
Volt Ampere	2058 VA	3815 VA
Heat	6879 BTUs/hr (7258 kJ/hr)	12754 BTUs/hr (13457 kJ/hr)

Cable Connections

The following changes belong in the SPARC Enterprise M4000/M5000 Servers Installation Guide.

TABLE 4 Powercords

System	Location	Powercord Type
SPARC Enterprise M4000 Server	Americas, Taiwan	NEMA L5-15 125V 15A
	Japan, Korea	NEMA L6-20 250V 20A
	RoTW	IEC60309 16A 250V, 3PIN with IEC320 C20
SPARC Enterprise M5000 Server	Americas, Taiwan	NEMA L5-15 125V 15A
	Japan, Korea	NEMA L6-20 250V 20A
	RoTW	IEC60309 16A 250V, 3PIN with IEC320 C20

Updates of the SPARC Enterprise M4000/M5000 Servers Service Manual

The following information supersedes the information in the *SPARC Enterprise M4000/M5000 Servers Service Manual*.

Installing the PCI Cassette



Caution – Do *not* force the PCI cassette into a slot. Doing so can cause damage to the cassette and server.

1. **Align the PCI cassette on the gray plastic guide and install it into the slot.**
2. **Lock the lever into place to seat the cassette.**

Note – As the lever is moved pressure will build up, then just prior to locking into place the pressure will suddenly release. If the lever locks in place without the pressure release, the card may not be seated correctly. If this happens the card should be removed and reinstalled.

Note – When you insert the PCI cassette using hot-swap, the cassette is automatically powered on and configured. Check that the power LED on the cassette is LIT to be certain the cassette is correctly seated.

3. **Connect all cables to the PCI cassette and reconnect the cable management arm if necessary.**

DIMM Replacement

The DIMMs are cold FRU replacement components. The entire server must be powered off and the power cords disconnected to replace the DIMMs.

You can mount up to 4 memory boards on the SPARC Enterprise M4000 server and up to 8 memory boards on the SPARC Enterprise M5000 server. The DIMMs on the memory board are grouped into group A and group B.

Here are the DIMM mount conditions:

DIMM mounting rules:

- Four(4) DIMMs per group can be mounted.
- Capacity of the DIMMs in group A must be equal to or larger than the capacity of the DIMMs in group B.
- The capacity of the DIMMs in group B must be equal to or less than the capacity of the DIMMs in group A. DIMMs in group B are optional.
- For both groups, DIMMs must be of the same capacity and rank within a group. DIMMs of different capacity cannot be mixed in a group.

Software Issues

This section describes software specific issues and workarounds.

XCP Issues and Workarounds

TABLE 6 lists known XCP issues and possible workarounds.

TABLE 6 XCP Issues and Workarounds

ID	Description	Workaround
RTIF1-070418-009	While XSCF is running, a process may go down, a watchdog timeout may occur, or a hang-up may occur. After this, XSCF may reset.	Check that XSCF is started. If not started, use the <code>rebootxscf(8)</code> command to restart XSCF, or stop all the domains and then execute the system power off/on (AC OFF/ON). To turn on the system power that you turned off, wait at least 30 seconds before power-on.
RTIF1-070528-002	While XSCF is running, watchdog timeout may occur and XSCF may reboot.	Check that XSCF is started. If not started, use the <code>rebootxscf(8)</code> command to restart XSCF, or stop all the domains and then execute the system power off/on (AC OFF/ON). To turn on the system power that you turned off, wait at least 30 seconds before power-on.
RTIF1-070823-001	Using the XSCF Web, when you selected SSH on the snapshot screen, the maximum number of character input for Host, Directory, ID, and Password doesn't correspond to the maximum number of character input on the XSCF Shell.	To specify the value which exceeds the maximum number of character input for the XSCF Web, use XSCF Shell.
RTIF1-070823-003	When you display the Logical tree on the XSCF Web, the hardware configuration of CPU or memory which assigned to the domain appears differently from the actual domain configuration.	On the Menu, select Device Status to refer to the domain hardware configuration. Or use the <code>showdevices(8)</code> command to refer to the domain hardware configuration.
RTIF1-070824-002	On the XSCF Web, when you select Domain Mode Configuration to perform various settings, the pop-up screen may not appear but "Undefined" may be displayed on the screen.	Select Domain Mode Configuration one more time and perform the settings. Or once terminate the XSCF Web and then perform the settings.

TABLE 6 XCP Issues and Workarounds (*Continued*)

ID	Description	Workaround
RTIF1-070824-004	On the XSCF Web, on the Domain Status screen, when you select an XSB displayed on the Domain Component List, and in case the selected XSB is not yet mounted or is Uni-XSB, the pop-up screen displays no data.	None available at this time.
RTIF1-070824-005	On the XSCF Web, when you changed the Refresh Interval value of the Monitor Message Frame, the invalid pop-up "Confirmation Domain mode" may appear.	Ignore the pop-up and close the screen.
RTIF1-070824-006	On the tab browser, to the same host, when you perform multiple log-in with the user accounts of different user privileges, the user privilege of the last log-in user account will be applied to those pages which you've already logged in.	When you use the tab browser, do not perform multiple log-in to the same host.
RTIF1-070824-008	On the Domain Configuration screen, when you select an undefined Domain ID, the Configuration Policy remains as the content which previously displayed.	None available at this time.
RTIF1-070824-011	While using FireFox2, in the Configuration policy setting on the Domain Configuration screen, when you specify a domain which is in operation, an error display pop-up appears. When you click on the Back button on this error display pop-up and click on the Cancel button on the inquiry screen to re-display the data, the system remains in the error message screen.	From the Menu, select the Domain Configuration page again.
RTIF1-070904-003	An incorrect domain state is reported. After the command <code>sendbreak(8)</code> is issued to a domain, <code>showdomainstatus</code> shows the state as "Running" when the domain is at the "ok" prompt.	There is no workaround. This is a side effect of the <code>sendbreak(8)</code> operation.
RTIF1-070904-004	The latest communication field in <code>showarchiving(8)</code> command is not updated regularly.	Disabling and re-enabling archiving refreshes the Latest communication field in <code>showarchiving(8)</code> output.
RTIF1-070904-006	While executing the domain power-on, domain reset or DR, in case the XSCF reboot occurred, the process may be aborted in some or all of the XSB.	Execute the domain reset one more time, or power off the domain and then power on again.

TABLE 6 XCP Issues and Workarounds (Continued)

ID	Description	Workaround
RTIF1-070914-006	When you set the XSCF user account name to the maximum 32 characters, you can log in, but then, when you execute the XSCF Shell or operate the XSCF Web, "Permission denied" occurs.	Use up to 31 characters to set the XSCF user account name.
RTIF1-070914-019	The CLI 'showldap -c' (which displays current LDAP certificates) will show proper data only when used with the same user account that had originally provided certificate information using 'setldap -c'. Any other user account will generate "Permission denied" error. Similarly, the XSCF Web's LDAP Configuration pop-up screen will display no data, when a different user account is used.	Use the same user account for all LDAP display or configuration operations, for both CLI and XSCF Web.
RTIF1-070914-020	On the User Account setting page on the User Manager screen, after the password change resulted in "Change Password Error," when you click on the REFRESH button, there appears the error message "No user. The request is aborted."	To change the password, select User Manager on the Menu again.
RTIF1-070914-021	During the Open BootPROM process, when you power off the domain, the error log of Domain hang-up detected (level3) may be registered.	This error log can be safely ignored.
RTIF1-070914-023	When you specify the domain ID or XSB number which are not supported on the machine, there appears the parameter error message.	To specify the available domain ID or XSB number on the machine.
RTIF1-071102-001	The XSCF firmware monitors itself and if it detects any inconsistencies, it forces an XSCF reboot.	There is no workaround. Allow the XSCF Unit to finish rebooting. It returns to normal operation within approximately 5 minutes.
RTIF1-071102-002	The snmp daemon might quit.	To restart the snmp daemon, issue the command <code>setsnmp enable</code> .
RTIF1-071116-001	After using the <code>addfru(8)</code> or <code>replacefru(8)</code> command to hotplug a CMU, further DR operations might fail with a misleading message regarding the board being unavailable for DR.	When performing the <code>addfru(8)</code> and <code>replacefru(8)</code> commands, it is mandatory to run diagnostic tests. If you forget to run the diagnostic tests during <code>addfru(8)/replacefru(8)</code> then either run <code>testsb(8)</code> to test the CMU or remove the CMU/IOU with the <code>deletefru(8)</code> command and then use the <code>addfru(8)</code> command with the diagnostic tests.

TABLE 6 XCP Issues and Workarounds (Continued)

ID	Description	Workaround
RTIF1-071116-003	Using the XSCF Web, when you selected COD, codusage details cannot be displayed correctly.	Use <code>showcodusage(8)</code> command to display the codusage.
RTIF1-071116-004	When Internet Explorer 7 browser is used, the License key deletion cannot be executed on the BUI COD page.	Use <code>deletecodlicense(8)</code> command to delete a license key. Or use other browsers: <ul style="list-style-type: none"> • Microsoft Internet Explorer 6.0 • Firefox 2.0 or later • Netscape Navigator 7.1 or later
RTIF1-071129-003	An error log cannot be registered in XSCF when the following message is displayed on Solaris OS by the External I/O Expansion Unit error: SUNW-MSG-ID: SUN4-8000-4P, TYPE: Fault	None available at this time.
RTIF1-071129-004	The following messages are displayed and you might not boot Solaris OS: <ul style="list-style-type: none"> • Abnormal OpenBoot environment variable Boot process failed • ERROR: Invalid token ' FATAL: NVRAM contents corrupt; Reinitializing NVRAM parameters. 	Confirm the OpenBoot PROM environment variable. If the variable has errors, set the variable again.
RTIF1-071227-001	In XSCF, write of date and time may become an error. When the domain powered on, the following message may appear and the domain may fail to be powered on. Poweron canceled due to invalid system date and time.	Execute the <code>rebootxscf(8)</code> command to restart XSCF.
RTIF1-071227-002	When the <code>showhardconf(8)</code> command executed in an environment with the External I/O Expansion Unit, the <code>showhardconf(8)</code> command may appear as if hang up.	Press Ctrl-C to terminate the <code>showhardconf(8)</code> command and execute the <code>showhardconf(8)</code> command again.
RTIF1-071227-003	When a non-existent device name specified to the Boot device path and resulted in the OS Boot error, the status of I/O unit may become "Degraded."	Specify the correct device name to the Boot device path. When the status of I/O unit became "Degraded," replace the I/O unit.

Solaris Issues and Workarounds

TABLE 7 lists known issues and possible workarounds.

TABLE 7 Specific Issues and Workarounds Concerning Solaris

CR ID	Description	Workaround
6348554	Using the <code>cfgadm -c disconnect</code> command on the following cards might hang the command during <code>i_mdi_pi_offline</code> : <ul style="list-style-type: none"> • SG-XPCIE2FC-QF4 Sun StorageTek Enterprise Class 4Gb Dual-Port Fibre Channel PCI-E HBA • SG-XPCIE1FC-QF4 Sun StorageTek Enterprise Class 4Gb Single-Port Fibre Channel PCI-E HBA • SG-XPCI2FC-QF4 Sun StorageTek Enterprise Class 4Gb Dual-Port Fibre Channel PCI-X HBA • SG-XPCI1FC-QF4 Sun StorageTek Enterprise Class 4Gb Single-Port Fibre Channel PCI-X HBA 	There is no workaround. Check for the patch 126670-10 for this defect.
6416224	System performance can degrade using a single NIC card with more than 5,000 connections.	Use multiple NIC cards to split network connections. This bug has been fixed in Solaris 10 8/07.
6440061	The domain console may display this message: <code>ipsec_check_inbound_policy: Policy Failure for the incoming packet (not secure)</code>	This message can be safely ignored.
6441349	The system may hang if there is an I/O error in the system.	None available at this time. This bug has been fixed in Solaris 10 8/07.
6459540	The DAT72 internal tape drive on SPARC Enterprise M4000/M5000 may time out during tape operations.	Add the following definition to <code>/kernel/drv/st.conf</code> : <pre>tape-config-list = "SEAGATE DAT DAT72-000", "SEAGATE_DAT__DAT72-000", "SEAGATE_DAT__DAT72-000"; SEAGATE_DAT__DAT72-000= 1,0x34,0,0x9639,4,0x00,0x8c,0x8c, 0x8c,3;</pre> There are four spaces between SEAGATE DAT and DAT72-000.

TABLE 7 Specific Issues and Workarounds Concerning Solaris *(Continued)*

CR ID	Description	Workaround
6466617	Performing a hot plug operation with the PCI-Express slot too quickly interrupts a PCI leaf reset and fails, creating a <code>cfgadm: Component system is busy</code> error.	Pause a few seconds between the issue of each <code>cfgadm -c</code> command.
6472153	If you create a Solaris Flash archive on a non-SPARC Enterprise M4000/M5000 sun4u server and install it on a SPARC Enterprise M4000/M5000 sun4u server, the console's TTY flags will not be set correctly. This can cause the console to lose characters during stress.	Just after installing Solaris OS from a Solaris Flash archive, telnet into the SPARC Enterprise M4000/M5000 server to reset the console's TTY flags a follows: <pre># sttydefs -r console # sttydefs -a console -i "9600 hupcl opost onlcr crtscts" -f "9600"</pre>
6481002	Installing the Solaris from the network using certain PCI-Express cards may cause a panic.	This procedure is required only once. If you are using a Sun PCI-E Dual Gigabit Ethernet Adapter MMF card or a Sun PCI-E Dual Gigabit Ethernet Adapter UTP card, do not install the Solaris using either of these cards. Instead, use other network devices, such as the onboard Gigabit Ethernet or another network device.
6485555	On the SPARC Enterprise M4000/M5000 servers, On-board Gigabit Ethernet NVRAM corruption could occur due to a race condition. The window of opportunity for this race condition is very small.	None available at this time. This bug has been fixed in Solaris 10 8/07.
6495303	The use of a PCIe Dual-Port Ultra320 SCSI controller card (SG-(X)PCIE2SCSIU320Z) in IOU Slot 1 on a SPARC Enterprise M4000/M5000 server may result in a system panic.	Do not use this card in IOU Slot 1 on a SPARC Enterprise M4000/M5000 server. This bug has been fixed in Solaris 10 8/07.

TABLE 7 Specific Issues and Workarounds Concerning Solaris (Continued)

CR ID	Description	Workaround
6496337	<p>The "cpumem-diagnosis" module may fail to load after uncorrectable error(UE) panic. Systems will function correctly but events normally automatically diagnosed by FMA using this module will require manual diagnosis.</p> <p>Example: SUNW-MSG-ID: FMD-8000-2K, TYPE: Defect, VER: 1, SEVERITY: Minor EVENT-TIME: Thu Feb 15 15:46:57 JST 2007 PLATFORM: SUNW,SPARC-Enterprise, CSN: BE80601007, HOSTNAME: col2-ff-em7-d0</p>	<p>If problem occurred, implement the following workaround:</p> <ol style="list-style-type: none"> 1. Remove the following file. <pre># rm /var/fm/fmd/ckpt/cpumem-diagnosis/cpumem-diagnosis</pre> 2. Restart fmd service. <pre># svcadm restart fmd</pre> <p>To avoid this problem in advance, add "rm -f /var/fm/fmd/ckpt/cpumem-diagnosis/cpumem-diagnosis" in /lib/svc/method/svc-dumpadm file as below.</p> <pre># # We haven't run savecore on a dump device yet # savedev=none rm -f /var/fm/fmd/ckpt/cpumem-diagnosis/cpumem-diagnosis #</pre> <p>This bug has been fixed in Solaris 10 8/07.</p>
6498283	<p>Using the DR deleteboard(8) command while psradm operations are running on a domain might cause a system panic.</p>	<p>There is no workaround. Check for the availability of a patch for this defect.</p> <p>This bug has been fixed in Solaris 10 8/07.</p>
6499304	<p>CPU isn't offlined and unexpected message is displayed on console when many correctable error(CE) occurs.</p> <p>Example: SUNW-MSG-ID: FMD-8000-11, TYPE: Defect, VER: 1, SEVERITY: Minor EVENT-TIME: Fri Feb 2 18:31:07 JST 2007 PLATFORM: SPARC-Enterprise, CSN: BE80601035, HOSTNAME: FF2-35-0</p>	<p>Check CPU status on XSCF.</p> <p>This bug has been fixed in Solaris 10 8/07.</p>

TABLE 7 Specific Issues and Workarounds Concerning Solaris (Continued)

CR ID	Description	Workaround
6502204	<p>Unexpected error messages may be displayed on console on booting after CPU UE panic.</p> <p>Example:</p> <pre>SUNW-MSG-ID: FMD-8000-11, TYPE: Defect, VER: 1, SEVERITY: Minor EVENT-TIME: Tue Jan 9 20:45:08 JST 2007 PLATFORM: SUNW,SPARC-Enterprise, CSN: 2030636002, HOSTNAME: P2-DC1- 16-d0</pre>	<p>If you see unexpected messages, use the XSCF command <code>showdomainstatus(8)</code> to check system status on XSCF.</p> <p>This bug has been fixed in Solaris 10 8/07.</p>
6502750	Notification message for inserted or removed card by PCI hot plug may not output.	<p>None available at this time.</p> <p>This bug has been fixed in Solaris 10 8/07.</p>
6508432	Many correctable errors (CE) may occur, and despite these are the correctable errors, domain may panic.	<p>Set the following to <code>/etc/system</code> and then reboot the domain:</p> <pre>set pcie:pcie_aer_ce_mask = 0x2001</pre> <p>This bug has been fixed in Solaris 10 8/07.</p>
6508434	The domain may panic when an additional PCI-X card is installed or a PCI-X card is replaced by using PCI hot plug.	<p>Do not insert a different type of PCI-X card on the same PCI slot card by using PCI hot plug.</p> <p>This bug has been fixed in Solaris 10 8/07.</p>
6509337	s10s_u3 wanboot fails - The server returned 416: Requested Range Not Satisfiable.	This bug has been fixed in Solaris 10 8/07.
6510779	On a large single domain configuration, the system may incorrectly report very high load average at times.	There is no workaround. Check for the availability of a patch for this defect.
6510861	When Dual-Channel Ultra320 SCSI Card (SE0X7SC2F, SE0X7SC2X) is mounted, correctable errors(CE) occur and system may panic.	<p>To mask these errors with Dual-Channel Ultra320 SCSI Card (SE0X7SC2F, SE0X7SC2X), add the following entry to the <code>/etc/system</code> file and then reboot the system:</p> <pre>set pcie:pcie_aer_ce_mask = 0x31c1</pre> <p>This bug has been fixed in Solaris 10 8/07.</p>
6511374	<p>Unexpected error messages may be displayed on console after changing the system configuration.</p> <p>Example:</p> <pre>WARNING: Translation error source /LSB0/B0/0, PA 3c000000000, target /LSB0/B0/20000000</pre>	This message can be safely ignored.

TABLE 7 Specific Issues and Workarounds Concerning Solaris (Continued)

CR ID	Description	Workaround
6515648	"Replumb Failed" error appears when <code>dr@0:SB1::memory</code> fails.	<p>Once the DR operation is complete, it can be plumbed up manually.</p> <p>Example steps to re-plumb the interface manually:</p> <pre># ifconfig interface plumb xxx.xxx.xxx.xxx netmask + broadcast + up # ifconfig interface group group-name # ifconfig interface addif xxx.xxx.xxx.xxx -failover deprecated up</pre> <p>This workaround assumes that the <code>/etc/hostname.interface</code> file is correctly configured for the IPMP group and does not need any modification. The IP addresses used in the example above should match what was previously used and what matches the <code>/etc/hostname.<interface></code> file.</p>
6516135	Ap_Id format and devices may not be shown correctly by <code>cfgadm(1M)</code> .	<p>Use the following operations to display all of the PCI slots.</p> <ol style="list-style-type: none"> 1) <code>devfsadm</code> (at Solaris prompt) 2) <code>cfgadm</code>
6519290	Large amounts of I/O on swap devices can cause the system to appear hung by overwelling the I/O system. The amount of I/O required can be generated through a number of ways, eg memory shortage, heavy use of <code>/tmp</code> etc.	<p>Set the following to <code>/etc/system</code> and then reboot the domain:</p> <pre>set maxfastscan=0x2000</pre>
6520990	Domain may cause a panic when <code>deleteboard(8)</code> command for kernel board by using Dynamic Reconfiguration (DR).	<p>To mask this error, add the following entry to the <code>/etc/system</code> file.</p> <pre>set drmach:fmem_timeout = 30</pre> <p>This bug has been fixed in Solaris 10 8/07.</p>
6522017	DR and ZFS may not be used in the same domain.	<p>Reduce the amount of kernel memory that ZFS can allocate by setting the <code>zfs_arc_max</code> parameter in the <code>/etc/system</code> file. The following example sets the maximum size to 512 Mbytes.</p> <pre>set zfs_arc_max = 0x20000000</pre>

TABLE 7 Specific Issues and Workarounds Concerning Solaris (Continued)

CR ID	Description	Workaround
6522433	After the CPU hardware error occurred, the <code>fmddump(1M)</code> command on the domain may display an incorrect faulty component.	Check system status on XSCF.
6527811	The <code>showhardconf(8)</code> command on the XSCF cannot display PCI card information that is installed in External I/O Expansion Unit, if the External I/O Expansion Unit is configured using PCI hotplug.	Check for the patch 128346-01 for this detect.
6530178	DR <code>addboard(8)</code> command can hang. Once problem is observed, further DR operations are blocked. Recovery requires reboot of the domain.	There is no workaround. This bug has been fixed in Solaris 10 8/07.
6530178	DR <code>addboard(8)</code> command can hang. Once problem is observed, further DR operations are blocked. Recovery requires reboot of the domain.	There is no workaround. This bug has been fixed in Solaris 10 8/07.
6530178	DR <code>addboard(8)</code> command can hang. Once problem is observed, further DR operations are blocked. Recovery requires reboot of the domain.	There is no workaround. This bug has been fixed in Solaris 10 8/07.
6529714	Warning messages occur while trying to configure more than four X4447A-Z or X1027A-Z1 cards into one I/O Boat.	No workaround available at this time.
6530178	DR <code>addboard(8)</code> command can hang. Once problem is observed, further DR operations are blocked. Recovery requires reboot of the domain.	There is no workaround. This bug has been fixed in Solaris 10 8/07.
6530178	DR <code>addboard(8)</code> command can hang. Once problem is observed, further DR operations are blocked. Recovery requires reboot of the domain.	There is no workaround. This bug has been fixed in Solaris 10 8/07.
6530288	Ap_Id format may not be shown correctly by <code>cfgadm(1M)</code> command.	None available at this time. This bug has been fixed in Solaris 10 8/07.
6530753	Some of the PCI slots in the External I/O Expansion Unit PCI slots are not displayed during a normal boot operation.	Use one of the following operations to display all of the PCI slots. <ul style="list-style-type: none"> • <code>boot -r</code> (at open boot prompt) • <code>devfsadm -C</code> (at Solaris prompt) • <code>cfgadm</code> (twice at Solaris prompt)
6531036	The error message <code>network initialization failed</code> can appear repeatedly after boot net installation.	There is no workaround.

TABLE 7 Specific Issues and Workarounds Concerning Solaris (Continued)

CR ID	Description	Workaround
6531668	System hangs when executing parallel hot plug operation with SP DR in suspend phase.	No workaround available at this time.
6532215	volfs or dscp service may fail when domain is booted. <pre>svc:/platform/sun4u/dscp:default: Method "/lib/svc/method/svc-dscp start" failed with exit status 95.</pre> <pre>svc:/system/filesystem/volfs:default: Method or service exit timed out. Killing contract 59.</pre>	Restart the service if the failure is observed. To avoid the problem, issue the following commands. <pre># svccfg -s dscp setprop start/timeout_seconds=count: 300 # svccfg -s volfs setprop start/timeout_seconds=count: 300 # svcadm refresh dscp # svcadm refresh volfs</pre>
6534471	Domain may panic.	Add the following line to /etc/system and reboot the domain. <pre>set heaplp_use_stlb=0</pre> This bug has been fixed in 125100-06 and Solaris 10 8/07.
6535564	PCI hot plug to PCI slot #0, #1 or External IO Expansion Unit may fail on XSB added by DR.	There is no workaround. Use DR instead of PCI hot plug if need to add or remove PCI card on the XSB. This bug has been fixed in Solaris 10 8/07.
6536564	showlogs(8) and showstatus(8) command on XSCF might report wrong I/O component due to wrong diagnosis by Solaris Fault management Architecture when faults in I/O devices occur.	To avoid this problem, issue the following commands on the domain. <pre># cd /usr/platform/SUNW,SPARC-Enterprise/lib/fm/topo/plugins # mv ioboard.so ioboard.so.orig # svcadm restart fmd</pre> <p>If the following messages are displayed on the domain, contact a sales representative or a certified service engineer.</p> <p>Example:</p> <pre>SUNW-MSG-ID: SUNOS-8000-1L, TYPE: Defect, VER: 1, SEVERITY: Minor EVENT-TIME: Sun May 6 18:22:24 PDT 2007 PLATFORM: SUNW,SPARC-Enterprise, CSN: BE80601007, HOSTNAME: sparc</pre> This bug has been fixed in 125369-05.

TABLE 7 Specific Issues and Workarounds Concerning Solaris *(Continued)*

CR ID	Description	Workaround
6537511	Bluetooth partner is hung during security tests execution	Restart application server
6539084	There is a low probability of a domain panic during reboot when the Sun Quad GbE UTP x8 PCIe (X4447A-Z) card is present in a domain.	There is no workaround. This bug has been fixed in 125670-01.
6539909	Do not use the following I/O cards for network access when you are using the boot net install command to install the Solaris OS: <ul style="list-style-type: none"> • X4447A-Z/X4447A-Z, PCIe Quad-port Gigabit Ethernet Adapter UTP • X1027A-Z/X1027A-Z, PCIe Dual 10 Gigabit Ethernet Fiber XFP 	When running Solaris 10 11/06, use an alternate type of network card or onboard network device to install the Solaris OS via the network.
6542632	Memory leak in PCIe module if driver attach fails.	There is no workaround. This bug has been fixed in Solaris 10 8/07.
6545143	When kcage daemon is expanding the kcage area, if the user stack exists in the expanded area, its area is demapped and might cause a ptl_1 panic during the flushw handler execution.	There is no workaround. Check for the availability of a patch for this defect.
6545685	If the following message displayed on the OS console, memory degradation or XSB deconfiguration may occur in the subsequent reboot. Example: mc-opl: WARNING: mc-opl rewrite timeout on /LSB0/B0	Add the following to <code>/etc/system</code> and then reboot the domain: <pre>set mc-opl: mc_max_rewrite_loop = 20000</pre>
6546188	The system panics when running hotplug (<code>cfgadm(1M)</code>) and DR operations (<code>addboard(8)</code> and <code>deleteboard(8)</code>) on the following cards: <ul style="list-style-type: none"> • X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP • X1027A-Z1, PCI-e Dual 10 Gigabit Ethernet Fiber XFP Low profile Adapter 	There is no workaround. For Solaris 10 8/07, check for the patch 127741-01 for this defect. For Solaris 10 11/06, check for the patch 125670-04 for this defect. Note: See CR ID 6608404 regarding issues with hot-plug of these cards in slot 1.

TABLE 7 Specific Issues and Workarounds Concerning Solaris (Continued)

CR ID	Description	Workaround
6551356	<p>The system panics when running hotplug (<code>cfgadm(1M)</code>) to configure a previously unconfigured card. The message "WARNING: PCI Expansion ROM is not accessible" will be seen on the console shortly before the system panic. The following cards are affected by this defect:</p> <ul style="list-style-type: none">• X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP• X1027A-Z1, PCI-e Dual 10 Gigabit Ethernet Fiber XFP Low profile Adapter	<p>Perform <code>cfgadm -c disconnect</code> to completely remove the card. After waiting at least 10 seconds, the card may be configured back into the domain using the <code>cfgadm -c configure</code> command.</p> <p>Check for the patch 127741-01 for this defect.</p>
6556742	<p>The system panics when DiskSuite can not read the <code>metadb</code> during DR. This bug affects the following cards:</p> <ul style="list-style-type: none">• SG-XPCIE2FC-QF4, 4Gb PCI-e Dual-Port Fibre Channel HBA• SG-XPCIE1FC-QF4, 4Gb PCI-e Single-Port Fibre Channel HBA• SG-XPCI2FC-QF4, 4Gb PCI-X Dual-Port Fibre Channel HBA• SG-XPCI1FC-QF4, 4Gb PCI-X Single-Port Fibre Channel HBA	<p>Panic can be avoided when a duplicated copy of the <code>metadb</code> is accessible via another Host Bus Adaptor.</p> <p>Check for the patch 125166-06 for this detect.</p>
6559504	<p>Messages of the form <code>nxge: NOTICE: nxge_ipp_eccue_valid_check: rd_ptr = nnn wr_ptr = nnn</code> will be observed on the console with the following cards:</p> <ul style="list-style-type: none">• X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP• X1027A-Z1, PCI-e Dual 10 Gigabit Ethernet Fiber XFP Low profile Adapter	<p>These messages can be safely ignored.</p> <p>For Solaris 10 8/07, check for the patch 127741-01 for this defect.</p>
6563785	<p>Hot-plug operation with the following cards might fail if a card is disconnected and then immediately reconnected:</p> <ul style="list-style-type: none">• SG-XPCIE2SCSIU320Z Sun StorageTek PCI-E Dual-Port Ultra320 SCSI HBA• SGXPCI2SCSILM320-Z Sun StorageTek PCI Dual-Port Ultra320 SCSI HBA	<p>After disconnecting a card, wait for a few seconds before re-connecting.</p> <p>Check for the patch 127750-01 for this detect.</p>

TABLE 7 Specific Issues and Workarounds Concerning Solaris (Continued)

CR ID	Description	Workaround
6564332	Hot-plug operations on Sun Crypto Accelerator (SCA)6000 cards can cause SPARC Enterprise M8000/M9000 servers to panic or hang.	Version 1.0 of the SCA6000 driver does not support hot-plug and should not be attempted. Version 1.1 of the SCA6000 driver and firmware supports hot-plug operations after the required bootstrap firmware upgrade has been performed. Note: See CR ID 6619344 for issues with hotplug of Sun Crypto Accelerator (SCA) 6000 cards in slot-1.
6564934	Performing a DR deleteboard(8) operation on a board which includes Permanent Memory when using the following network cards results in broken connections: <ul style="list-style-type: none"> • X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP • X1027A-Z1, PCI-e Dual 10 Gigabit Ethernet Fiber XFP Low profile Adapter 	Re-configure the affected network interfaces after the completion of the DR operation. For basic network configuration procedures, refer to the ifconfig man page for more information. Check for the patch 127741-01 for this detect.
6568417	After a successful CPU DR deleteboard(8) operation, the system panics when the following network interfaces are in use: <ul style="list-style-type: none"> • X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP • X1027A-Z1, PCI-e Dual 10 Gigabit Ethernet Fiber XFP Low profile Adapter 	Add the following line to /etc/system and reboot the system: set ip:ip_soft_rings_cnt=0 Check for the patch 127111-02 for this detect.
6571370	Use of the following cards have been observed to cause data corruption in stress test under laboratory conditions: <ul style="list-style-type: none"> • X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP • X1027A-Z1, PCI-e Dual 10 Gigabit Ethernet Fiber XFP Low profile Adapter 	Add the following line in /etc/system and reboot the system: set nxge:nxge_rx_threshold_hi=0 For Solaris 10 8/07, check for the patch 127741-01 for this defect. For Solaris 10 11/06, check for the patch 125670-04 for this defect.
6572827	On SPARC Enterprise M8000/M9000 servers, one of the columns in the IO Devices section of the output from prtdiag -v is "Type". This reports "PCIe", "PCIx", "PCI" or "UNKN" for each device. The algorithm used to compute this value is incorrect. It reports "PCI" for PCI-X leaf devices and "UNKN" for legacy PCI devices.	There is no workaround.

TABLE 7 Specific Issues and Workarounds Concerning Solaris *(Continued)*

CR ID	Description	Workaround
6589546	<p>prtdiag(8) command does not show all I/O devices of the following cards:</p> <ul style="list-style-type: none">• SG-XPCIE2FC-EM4 Sun StorageTek Enterprise Class 4Gb Dual-Port Fibre Channel PCI-E HBA• SG-XPCIE1FC-EM4 Sun StorageTek Enterprise Class 4Gb Single-Port Fibre Channel PCI-E HBA	Use <code>prtdiag -v</code> for full output.
6589833	<p>The DR <code>addboard(8)</code> command might cause a system hang if you are adding a Sun StorageTek Enterprise Class 4Gb Dual-Port Fibre Channel PCI-E HBA card (SGXPCIE2FC-QF4) at the same time that an SAP process is attempting to access storage devices attached to this card. The chance of a system hang is increased if the following cards are used for heavy network traffic:</p> <ul style="list-style-type: none">• X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP• X1027A-Z1, PCI-e Dual 10 Gigabit Ethernet Fiber XFP Low profile Adapter	There is no workaround. Check for the availability of a patch for this defect.
6592302	Unsuccessful DR operation leaves memory partially configured.	Try <code>deleteboard(8)</code> again.
6600730	Extra characters appear in a boot message string.	The extraneous characters can be safely ignored.
6608404	Hot-plug of the X4447A-Z, PCI-e Quad-port Gigabit Ethernet Adapter UTP card in slot 1 might cause other network devices to fail.	To avoid the defect, do not install this card in slot 1.
6619344	The Sun Crypto Accelerator (SCA) 6000 card might not work if hot-plug configured into slot 1.	To avoid the defect, do not hot-plug this card in slot 1.

Identifying Permanent Memory in a Target Board

1. Log in to XSCF.
2. Execute the following command:

```
XSCF> showdevices -d domain_id
```

The following example shows a display of the `showdevices -d` command where 0 is the `domain_id`.

```
XSCF> showdevices -d 0
...
Memory:
-----

```

DID	XSB	board mem MB	perm mem MB	base address	domain mem MB	target XSB	deleted mem MB	remaining mem MB
00	00-0	8192	0	0x0000000000000000	24576			
00	00-2	8192	1674	0x000003c000000000	24576			
00	00-3	8192	0	0x0000034000000000	24576			

```
...
```

The entry for column 4 perm mem MB indicates the presence of permanent memory if the value is non-zero.

The example shows permanent memory on 00-2, with 1674 MB.

If the board includes permanent memory, when you execute the `deleteboard(8)` command or the `moveboard(8)` command, the following notice appears:

```
System may be temporarily suspended, proceed? [y|n]:
```

Preparing to Upgrade to XCP 1050 or later

1. Delete any accounts named "admin".

Use the `showuser -lu` command to list all XSCF accounts. Any accounts named `admin` must be deleted prior to upgrading to XCP 1050 or later. This account name is reserved in XCP 1050 and higher. Use the `deleteuser(8)` command to delete the account.

Upgrading From XCP104x to XCP 1050 or Later

The following steps describe the case of upgrading to XCP1060.

Note – LAN connections are disconnected when the XSCF resets. It is recommended to use the XSCF serial connection to simplify the XCP upgrade procedure.

1. Log in to the XSCFU on an account with platform administrative privileges.
2. Verify that there are no faulted or deconfigured components by using the `showstatus(8)` command.

```
XSCF> showstatus
```

The `showstatus(8)` prompt will return if there are no failures found in the System Initialization. If anything is listed, contact a certified service engineer. before proceeding.

Note – Take information with using BUI or `snapshot(8)` command. This will be help in case any problem occurred in this procedure.

3. Power off all domains.

```
XSCF> poweroff -a
```

4. Confirm that all domains are stopped:

```
XSCF> showlogs power
```

5. Move the key position on the operator panel from Locked to Service.
6. Collect an XSCF snapshot to archive system status prior to upgrade.

```
XSCF> snapshot -t user@host:directory
```

7. The BUI can be used to upload the XCP 1060 upgrade image.

8. Update the firmware by using the `flashupdate(8)` command.



Caution – `flashupdate(8)` will update one bank, reset the XSCF and commence update of the second bank. Verify that the current and reserve banks are both updated. If both banks indicate XCP revision 1060, proceed to the next step.

```
XSCF> flashupdate -c update -m xcp -s version
```

Specify the XCP version to be updated. In this examples, it's 1060.

9. Confirm completion of the update.

```
XSCF> showlogs event
```

Confirm no abnormality happens while updating.

10. Confirm that both the current and reserve banks of XSCFU#0 display the updated XCP versions.

```
XSCF> version -c xcp  
  
XSCF#0 (Active)  
XCP0 (Reserve): 1060  
XCP1 (Current): 1060
```

If the Current and Reserve banks on XSCF#0 do not indicate XCP revision 1060, contact a certified service engineer.

11. Confirm no abnormality occurred by using `showlogs error -v` and `showstatus(8)` commands.

```
XSCF> showlogs error -v  
XSCF> showstatus
```

If you encounter any hardware abnormality of the XSCF, contact a certified service engineer..

12. Power on all domains.

```
XSCF> poweron -a
```

13. Log in to XSCFU#0 and confirm all domains start up properly.

```
XSCF> showlogs power
```

14. Check that there are no new errors.

```
XSCF> showlogs error
```

In case an abnormality is encountered, take appropriate maintenance action. If no abnormality is found, proceed to [Step 15](#).

15. Move position of the key switch on the operator panel from service to lock.

Software Documentation Updates

This section contains late-breaking software information that became known after the documentation set was published and corrections in the SPARC Enterprise M4000/M5000 servers software documentation.

The corrections for SPARC Enterprise M4000/M5000/M8000/M9000 servers XSCF Reference Manual, if not otherwise specified, also apply to the man pages which XSCF provides. And they supersede the information on the man pages.

[TABLE 8](#) lists known documentation updates.

TABLE 8 Documentation Updates

Title	Page Number	Update
All SPARC Enterprise M4000/M5000 servers documentation		All DVD references are now referred to as CD-RW/DVD-RW.
SPARC Enterprise M4000/M5000/M8000/M9000 Servers XSCF Reference Manual	setpowerupdate(8) man page	The following description is added in EXTENDED DESCRIPTION: When the power is turned on from the operator panel, the wait time and warm-up time that you set are ignored. If you have set these times and wish to observe them at startup, perform the <code>poweron(8)</code> command.
	setupplatform(8) man page	The <code>-p user</code> option requires <code>useradm</code> privileges. The <code>-p network</code> option requires <code>platadm</code> privileges. The <code>-p altitude</code> option requires <code>platadm</code> privileges. The <code>-p timezone</code> option requires <code>platadm</code> privileges.