Sun SPARC® Enterprise M8000/M9000 Servers Product Notes

For XCP Version 1040

Sun Microsystems, Inc.
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Contents

Preface

These Product Notes contain important and late-breaking information about the Sun SPARC® Enterprise M8000/M9000 servers 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 Sun SPARC Enterprise M8000/M9000 servers documentation, contact your local Sun™ Service representative.

For customers in the U.S. or Canada, call 1-800-USA-4SUN (1-800-872-4786). For customers in the rest of the world, find the World Wide Solution Center nearest you by visiting the following web site:

http://www.sun.com/service/contacting/solution.html/

Software Resources

The Solaris™ Operating System and Sun Java™ Enterprise System software are preinstalled on your Sun SPARC Enterprise M8000/M9000 servers.

Obtaining the Latest Patches

The mandatory Solaris patches for the Sun SPARC Enterprise M8000/M9000 servers should be preinstalled on your system. See "Solaris Patch Information" on page 2 for the list of patches.

The Sun Connection Update Manager can be used to reinstall the patches if necessary or to update the system with the latest set of mandatory patches.

Information about the Sun Connection Update Manager is available in the *Sun Update Connection System 1.0.8 Administration Guide* which is located at the following web site:

`http://docs.sun.com/app/docs/doc/819-4687/`

Complete the following steps to register your system and use the Sun Connection Update Manager to obtain the latest Solaris OS patches.

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

Note – Patches 123003-03 and 124171-06 must be installed on your system prior to using Sun Connection Update Manager. These patches can be downloaded from `http://sunsolve.sun.com/` if needed.

Two options are available for obtaining the patches:

- "Using the `smpatch` CLI to Obtain Patches" on page viii
- "Using the Update Manager GUI to Obtain Patches" on page x

Using the `smpatch` CLI to Obtain Patches

1. **Copy the file `/usr/lib/breg/data/RegistrationProfile.properties` to the `/tmp` directory.**
2. **Edit the file `/tmp/RegistrationProfile.properties` to add your user name, password, and if necessary, a network proxy.**
3. **Register your system by entering the command:**

```
# sconadm register -a -r /tmp/RegistrationProfile.properties
```

4. **Obtain the correct patches for your system by entering the command:**

```
# smpatch set patchpro.patchset=semxxxxxxxx
```

5. **Install each patch, as follows.**

   Patches can be downloaded through the Sun Connection Update Manager.

   a. **Download the patch to your** `/var/sadm/spool` **directory by entering:**

```
# smpatch update -i xxxxxx-xx
```

   b. **To unzip the patch, enter:**

```
# cd /var/sadm/spool
# unzip xxxxxx-xx.jar
```

   c. **To install the patch, follow the special installation instructions in the file** `/var/sadm/spool/`*xxxxxx-xx*`/README.`*xxxxxx-xx*.

6. **After installing the patch, restart the system.**

Note – Use either the `init` command or the `shutdown` command. The `reboot` command does not complete installations of patches that require a restart.

```
# init 6
```

```
# shutdown -i6
```

7. **Display a list of patches to be installed by entering the command:**

```
# smpatch analyse
```

8. **Download and install the patches by entering the command:**

```
# smpatch update
```

9. **If any of the patches requires a system restart, see** Step 6.

   The patch installation is now complete.

Using the Update Manager GUI to Obtain Patches

1. **Copy the file** `/usr/lib/breg/data/RegistrationProfile.properties` **to the** `/tmp` **directory.**

2. **Edit the file** `/tmp/RegistrationProfile.properties` **to add your user name, password, and if necessary, a network proxy.**

3. **Register your system by entering the command:**

```
# sconadm register -a -r /tmp/RegistrationProfile.properties
```

4. **Launch the Update Manager:**

```
# /usr/bin/updatemanager
```

5. **In the Available tab in the Update Manager, open the dropdown menu and select** *Sun SPARC(R) Enterprise M4000/M5000/M8000/M9000 Servers* **from the Update Collection.**

   Update Manager will analyze your system for any patches that are needed.

6. **If patch** *xxxxxx-xx* **is recommended, select it by clicking the box to the left of the patch ID, then click the** `Install` **button.**

   The patch will be downloaded to `/var/sadm/spool`.

7. **Continue by entering:**

```
# cd /var/sadm/spool
# unzip xxxxxx-xx.jar
```

8. **Follow the installation instructions in the file** `/var/sadm/spool/`*xxxxxx-xx*`/README.`*xxxxxx-xx*.

9. **After installing** *xxxxxx-xx*, **you might be required to restart the system.**

   Follow the instructions in Update Manager for restarting, or use the shutdown or init commands:

```
# init 6
```

```
# shutdown -i6
```

Note – Use either the Update Manager, the `init` command, or the `shutdown` command. The `reboot` command does not complete installations of patches that require a restart.

10. **Launch the Update Manager again, and select the Enterprise Server collection.**
11. **If the Update Manager does not automatically start a new analysis, click the `Check for Updates` button.**
12. **Select any patches that are listed by checking the boxes to the left of the patch IDs.**
13. **Click the `Install` button.**

    Update Manager will download and install the patches.
14. **If any of the patches requires a system restart, see** Step 9**.**

    The patch installation is now complete.

Additional Information

For additional information, read the release notes which come with your Solaris documentation, as well as the latest *Solaris 10 Sun Hardware Platform Guide*. Also, check the documentation web page for any additional supplements to this book. The most up-to-date information is posted at:

`http://www.sun.com/documentation/`

Accessing Documentation

Instructions for installing, administering, and using your Sun SPARC Enterprise M8000/M9000 servers are provided in the Sun SPARC Enterprise M8000/M9000 servers documentation set. The entire documentation set is available for download from the following web site:

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

Note – Information in these product notes supersedes the information in the Sun SPARC Enterprise M8000/M9000 servers documentation set.

Solaris Operating System (Solaris OS) documentation is located at:

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

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

Sun SPARC Enterprise M8000/M9000 Servers Product Notes for XCP Version 1040, part number 819-4197-11

SPARC Enterprise M8000/M9000 Servers Product Notes

This document includes these sections:

Supported Firmware and Software Versions

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

- XSCF Control Package (XCP) 1040 or later is preinstalled in your server.
- The first version of the Solaris OS to support these servers is the Solaris 10 11/06 OS.

Caution – CR ID 6534471: the system may panic or trap during a normal operation. Implement the workaround for CR ID 6534471 or check for the availability of a patch and install it immediately. This CR is listed in the section, "Solaris Issues and Workarounds" on page 10.

If you plan to boot your SPARC Enterprise M8000/M9000 server from a Solaris WAN boot server on the network, you must upgrade the `wanboot` executable. See "Booting From a WAN Boot Server" on page 14 for details.

Note – For the latest information on supported firmware and software versions, see "Software Resources" on page vii.

Solaris Patch Information

These are the mandatory patches for the SPARC Enterprise M8000/M9000 servers. Install the patches in the following order:

- 118833-36 or later
  After installing patch 118833-36, reboot your domain before proceeding.
- 125100-04 or later (Install 118833-36 before 125100-04.)
- 123839-07 or later
- 120068-03 or later
- 125424-01 or later
  After installing patch 125424-01, reboot your domain before proceeding.

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 hardware and software issues in this release.

General Functionality Issues and Limitations

- Dynamic Reconfiguration (DR) is not recommended for production use due to the following restrictions on the DR `addboard`, `deleteboard`, and `moveboard` commands:
  - The target board (SB/XSB) must not have optional I/O cards installed.
  - The target board (SB/XSB) must not have permanent memory. See "Identifying Permanent Memory in a Target Board" on page 13.

Caution – Use of DR in an unsupported configuration might result in a domain panic or might hang the system.

- Domains using the ZFS file system cannot use DR.
- On the SPARC Enterprise M8000 and M9000 servers, the dual eXtended System Control Facility (XSCF) unit (Service Processor) is not supported.
- Do not use the CD-RW/DVD-RW drive unit and the TAPE drive unit at the same time.
- Do not use the `cfgadm` (1M) command to add or remove a CD-RW/DVD-RW Unit and (or) TAPE drive unit in a domain. Use the `cfgdevice`(8) command to attach a CD-RW/DVD-RW drive unit and (or) TAPE drive unit to a domain prior to starting the Solaris OS on the domain.
- The XSCF web browser interface, also known as the browser user interface (BUI), has limited availability in this release. It can be used for importing the XSCF firmware and it supports the snapshot Full log set collection function. Use the command-line interface (CLI) instead on the Service Processor and the domains for other activities.
- Capacity on Demand (COD) is not supported.
- No more than two of the following cards (or a combination of the two cards) can be used per domain:
  - 4447A-Z/X4447A-Z, PCIe Quad-port Gigabit Ethernet Adapter UTP
  - 1027A-Z/X1027A-Z, PCIe Dual 10 Gigabit Ethernet Fiber XFP
- Hot-plug of the XSCF Unit is not supported.
- PCI Hot-Plug (PHP) is not available for this release. Check with technical support or your sales representative for additional information and software support.
- Power off all domains before upgrading the XCP firmware.
- The maximum number of IOUA cards in a single domain is six cards. Do not install more than six IOUA cards in a SPARC Enterprise M8000/M9000 server that is configured with a single domain.

Notes for Dual eXtended System Control Facility (XSCF) Unit

Because the dual eXtended System Control Facility (XSCF) unit is a functionality which will be supported in the future, you will find several points that are different from what is written in the documentation of SPARC Enterprise M8000 and M9000 servers.

- READY LEDs on the XSCF unit#1 for base cabinet (XSCFU_B#1) and the XSCF unit#1 for expansion cabinet (XSCFU_C#1) will keep blinking.
- You cannot sign on to XSCFU_B#1 via serial cable or LAN.
- The XSCF command `showhardconf(8)` shows as follows:
  XSCFU_B#1 Status:Normal,Offline; Ver:0000h; Serial:;
  + FRU-Part-Number:;
  XSCFU_C#1 Status:Normal,Offline; Ver:0000h; Serial:;
  + FRU-Part-Number:;
- The XSCF command `switchscf` (8) always fails with displaying the following message:
  `XSCF cannot be switched because the other XSCF is not available.`
- The XSCF command `applynetwork` (8) will display the following message, which can be safely ignored:
  `The other XSCF could not apply the network settings`
- The XSCF commands `showhostname` (8), `setssh` (8), `settelnet` (8), `setntp` (8), and `sethttps` (8) will display the following message, which can be safely ignored:
  `Cannot communicate with the other XSCF. Check the other XSCF's state.`

Hardware Installation and Service Issues

This section describes hardware specific issues and workarounds.

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 may display a Mailbox time-out or IOCB interrupt time-out error during boot.	Issue a `reset-all` command from the OBP (`OK`) prompt and reboot.
6488846	During boot, the domain console may 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.

Hardware Documentation Updates

This section contains late-breaking hardware information that became known after the documentation set was published.

TABLE 2 Documentation Updates

Title	Page Number	Update
All SPARC Enterprise M8000/M9000 servers documentation		All DVD references are now referred to as CD-RW/DVD-RW.
SPARC Enterprise M8000/M9000 Servers Service Manual	Page 4-23	In section 4.7 (procedures for powering the system on and off), the instructions have changed. See "Power-On/Off Procedures of the Server with Expansion Cabinet" on page 7.
SPARC Enterprise M8000/M9000 Servers Service Manual	Page 20-12	In section 20.2.1 (backplane replacement), the instructions for setting torque have changed: "For tightening the power bar, choose a torque depending on the bolt size. For M8 bolts, use a torque of 8.24 N.m (82 kgf.cm). For M6 bolts, use a torque of 3.73 N.m (38 kgf.cm)."
SPARC Enterprise M8000/M9000 Servers Service Manual	Page 21-1	In section 21.1 (sensor unit replacement), the description of the figures has changed: "FIGURE 21-1, FIGURE 21-2, and FIGURE 21-3 show the mounting locations of the SNSUs of SPARC Enterprise M8000 Server, SPARC Enterprise M9000 Server (base cabinet), and the base cabinet of SPARC Enterprise M9000 Server with the expansion cabinet respectively."

Note – The following information supersedes the information in the *SPARC Enterprise M8000/M9000 Servers Service Manual*.

Power-On/Off Procedures of the Server with Expansion Cabinet

On the server with expansion cabinet, when you turn on or turn off the mainline switch, do not fail to follow the order described below.

Power-On:

1. **Turn on all the mainline switches of the expansion cabinet.**

   In case that the power cabinet connected for the dual power feed option, also turn on all the mainline switches of the power cabinet.

2. **Turn on all the mainline switches of the base cabinet.**

   In case that the power cabinet connected for the dual power feed option, also turn on all the mainline switches of the power cabinet.

Power-Off:

1. **Turn off all the mainline switches of the base cabinet.**

   In case that the power cabinet connected for the dual power feed option, also turn off all the mainline switches of the power cabinet.

2. **Turn off all the mainline switches of the expansion cabinet.**

   In case that the power cabinet connected for the dual power feed option, also turn off all the mainline switches of the power cabinet.

Software Issues

This section describes specific software and firmware issues and workarounds.

XCP Issues and Workarounds

TABLE 3 lists XCP issues and possible workarounds.

TABLE 3 XCP Issues and Workarounds *(1 of 2)*

CR ID	Description	Workaround
6486286	Domain console connection does not cancel shell when disconnected.	Always log out of the Solaris OS before exiting the console connection. If you accidentally disconnect the domain console without logging out: • Log in again to the domain console • Log out • Exit the console connection
6519877	All domains must be powered off before upgrading the XCP firmware.	Power off domains before using the `flashupdate` command to upgrade XCP firmware.
6521896	If you log in to the XSCF Unit while it is still booting, you might get a `bash$` prompt instead of the `XSCF>` prompt, and be unable to perform most operations.	Log out of the `bash$` prompt and wait for the SCF to finish booting.
6526186	Hot-plugging of the IOU onboard device card (IOUA) is not supported at this time.	There is no workaround. Check for the availability of a patch for this feature.
6529635	The `showdomainstatus -a command` shows domain status as Powered Off, but the `showboards -a` command shows the domain is testing.	Use the `showboards` command to check the status of system power. The `showdomainstatus` command takes a longer time to show the correct status.
6532036	Some commands which update configuration data take a relatively long time to execute.	Do not cancel `set*` commands. They appear to hang, but eventually complete in about 30 seconds.
6533158	The fault (`memory.block.ue`) is encountered and reported periodically.	An uncorrectable error exists in a DIMM and the DIMM should be replaced.

TABLE 3 XCP Issues and Workarounds *(2 of 2)*

CR ID	Description	Workaround
6537345	When using the XSCF Web to import a firmware image, if the image is corrupted (for example, if the browser window is closed during import), the `flashupdate` command might later report an internal error. CR ID 6537996 is similar.	Use the command `getflashimage -d` to delete the corrupted image. If necessary, reboot the XSCF Unit, then use the `flashupdate` command again to clear the internal error.
6537408	Attempting to move a COD board using the `moveboard` command might fail.	Use the `deleteboard` and `addboard` commands instead of the `moveboard` command.
6538022	The XSCF firmware monitors itself and if it detects any inconsistencies, it forces a reboot.	There is no workaround. Allow the XSCF Unit to finish rebooting. It will return to normal operation within approximately five minutes.
6538564	Using the `rebootxscf` command might result in a process down error, and possibly an FMA event with MSG ID SCF-8005-NE.	There is no workaround. Check for the availability of a patch for this defect.

6543260	The `showaudit all` command shows a long list of defaults in the policy section after the database is cleared.	To clear the non-existent user default settings, run the following commands:
		`setaudit -a opl=enable`
		`setaudit -a opl=default`

Solaris Issues and Workarounds.

TABLE 4 lists Solaris issues and possible workarounds.

TABLE 4 Solaris Issues and Workarounds *(1 of 3)*

CR ID	Description	Workaround
6303418	A SPARC Enterprise M9000 with a single domain and 11 or more fully populated system boards may hang under heavy stress.	Do not exceed 170 CPU strands. Limit the number of CPU strands to one per CPU core by using the Solaris `psradm` command to disable the excess CPU strands. For example, disable all odd-numbered CPU strands.

6459540	The DAT72 internal tape drive might time out during tape operations.
	The device might also be identified by the system as a QIC drive.
		Update the Solaris `/kernel/drv/st.conf` file with the following lines:
		`tape-config-list = "QUANTUM DAT DAT72-00", "QUANTUM DAT DAT72-00", "CFGQUANTUMDATDAT7200", "SEAGATE DAT DAT72-00", "SEAGATE DAT DAT72-00", "CFGSEAGATEDAT7200";`
		`CFGQUANTUMDATDAT7200 = 2,0x34,0,0x18619,4,0x47,0x47,0x47,0x47,3,0,600,600,600,600,600,10800;`
		`CFGSEAGATEDAT7200 = 2,0x34,0,0x18619,4,0x47,0x47,0x47,0x47,3,0,600,600,600,600,600,10800;`

6472153	If you create a Solaris install image or boot image on a non-SPARC Enterprise M8000/M9000 sun4u server and use it on a SPARC Enterprise M8000/M9000 sun4u server, the console's TTY flags will not be set correctly. This can cause the console to lose characters during stress.	Telnet into the SPARC Enterprise M8000/M9000 server to reset the console's TTY flags as follows: **# sttydefs -r console** **# sttydefs -a console -i "9600 hupcl opost onlcr crtscts" -f "9600"**
6485555	On-board Gigabit Ethernet NVRAM corruption could occur due to a race condition.	If the NVRAM is corrupted, the device is not recognized as a network device. Contact your service representative to replace the FRU.
6498283	Using the DR `deleteboard` command while `psradm` operations are running on a domain might cause a system panic.	There is no workaround. Check for the availability of a patch for this defect.

TABLE 4 Solaris Issues and Workarounds *(2 of 3) (Continued)*

CR ID	Description	Workaround

6505921	Correctable error on the system PCIe bus controller generates an invalid fault.	Create a file `/etc/fm/fmd/fmd.conf` containing the following lines;
		`setprop client.buflim 40m`
		`setprop client.memlim 40m`

6508432	A large number of spurious PCIe correctable errors can be recorded in the FMA error log.	Add the following entry to `/etc/system` to prevent the problem: `set pcie:pcie_aer_ce_mask = 0x2001`
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 using the PCIe Dual-Port Ultra320 SCSI controller card (SG-(X)PCIE2SCSIU320Z), a PCIe correctable error causes a Solaris panic.	There is no workaround. Check for the availability of a patch for this defect.
6522017	Domains using the ZFS file system cannot use DR.	There is no workaround.
6527781	The `cfgadm` command fails while moving the DVD/DAT drive between two domains.	There is no workaround. To reconfigure DVD/Tape drive, execute `reboot -r` from the domain exhibiting the problem.
6530178	DR `addboard` command can hang. Once the problem is observed, further DR operations are blocked. Recovery requires reboot of the domain.	There is no workaround. Check for the availability of a patch for this defect.
6531036	The error message `network initialization failed` appears repeatedly after a boot net installation.	There is no workaround. Check for the availability of a patch for this defect.
6534471	Systems may panic/trap during normal operation.	• Make sure you have the correct /etc/system parameter: `set heaplp_use_stlb=0` • If a change to the parameter does not correct in the problem, check for the availability of a patch for this defect.
6536564	Faults in I/O devices might not be diagnosed correctly by the Solaris Fault Management Architecture and result in a `defect.eft.undiagnosable_problem`, or might be diagnosed as `fault.io.*` but identify the wrong IOU.	If Solaris panics and reboots due to an I/O fault, use `fmdump -eV` to view the error report. The device path in the error report will indicate where the error was detected, which will help to isolate the I/O fault.
6539084	PCIe Quad-port Gigabit Ethernet Adapter UTP card might panic during a reboot.	There is no workaround. Check for the availability of a patch for this defect.

TABLE 4 Solaris Issues and Workarounds *(3 of 3) (Continued)*

CR ID	Description	Workaround
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: • 4447A-Z/X4447A-Z, PCIe Quad-port Gigabit Ethernet Adapter UTP • 1027A-Z/X1027A-Z, PCIe Dual 10 Gigabit Ethernet Fiber XFP	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. Check for the availability of a patch for this defect.
6545685	If the system has detected Correctable MemoryErrors (CE) at power-on self-test (POST), the domains might incorrectly degrade 4 or 8 DIMMs.	Increase the memory patrol timeout values used via the following setting in `/etc/system`: `set mc-opl:mc_max_rewrite_loop = 10000`

Identifying Permanent Memory in a Target Board

Dynamic reconfiguration is not recommended for production use if the target board (SB/XSB) has permanent memory.

1. **Log in to XSCF.**
2. **Type 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:
-------
           board    perm      base              domain   target deleted remaining
DID XSB    mem MB   mem MB    address           mem MB   XSB    mem MB   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` command or the `moveboard` command, the following notice appears:

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

3. **If a board includes permanent memory, enter `n` to cancel the DR command.**

```
System may be temporarily suspended, proceed? [y|n]:n
disconnect SB5
DR operation canceled by operator.
XSCF>
```

Booting From a WAN Boot Server

To support booting the SPARC Enterprise M8000/M9000 server from a WAN boot server:

1. **Install the Solaris 10 11/06 OS on the WAN boot server.**
2. **Copy the `wanboot` executable from that release to the appropriate location on the install server. If you need further instructions, refer to:**

   `http://docs.sun.com/app/docs/doc/817-5504/6mkv4nh65?a=view`
3. **Create a WAN boot miniroot from the Solaris 10 11/06 OS. If you need further instructions, refer to:**

   `http://docs.sun.com/app/docs/doc/817-5504/6mkv4nh63?a=view`

   If you do not upgrade the `wanboot` executable, the SPARC Enterprise M8000/M9000 server will panic, with messages similar to the following:

```
krtld: load_exec: fail to expand cpu/$CPU
krtld: error during initial load/link phase
panic - boot: exitto64 returned from client program
```

   See `http://docs.sun.com/app/docs/doc/817-5504/6mkv4nh5i?a=view` for more information on WAN boot.

Abbreviated Man Page for `getflashimage`

Synopsis

`getflashimage [-v] [[-q] -{y|n}] [-u` *user*`] [-p` *proxy* `[-t` *proxy_type*`]] ` *url*

`getflashimage -l`

`getflashimage [[-q] -{y|n}] [-d]`

`getflashimage -h`

Description

The `getflashimage` (8) command downloads a firmware image file for use by the `flashupdate` (8) command. If any previous image files of the firmware are present on the XSCF unit, they are deleted prior to downloading the new version. You must have `platadm` or `fieldeng` privileges to run this command.

Options and Operand

The following table describes the most commonly used options and operand.

`-d`	Deletes all previous firmware image files still on the XSCF unit, then exits.
`-l`	Lists firmware image files that are still on the XSCF unit, then exits.
`-u` *user*	Specifies the user name when logging in to a remote `ftp` or `http` server that requires authentication. You will be prompted for a password.
url	Specifies the URL of the firmware image to download.

Examples

CODE EXAMPLE 1 Downloading Using a User Name and Password

This example uses the optional `-u` *user* option.

```
XSCF> getflashimage -u jsmith \
http://imageserver/images/FFXCP1041.tar.gz
Existing versions:
        Version                 Size  Date
        FFXCP1040.tar.gz   46827123  Wed Mar 14 19:11:40 2007
Warning: About to delete old versions.
Continue? [y|n]: y
Password: [not echoed]
Removing FFXCP1040.tar.gz.
  0MB received
  1MB received
  2MB received
...
  43MB received
  44MB received
  45MB received
Download successful: 46827KB at 1016.857KB/s
```

CODE EXAMPLE 2 Listing Available Firmware Image Files

```
XSCF> getflashimage -l
Existing versions:
        Version                 Size  Date
        FFXCP1040.tar.gz   46827123  Wed Mar 14 19:11:40 2007
```

CODE EXAMPLE 3 Deleting All Previous Firmware Image Files

```
XSCF> getflashimage -d
Existing versions:
        Version                 Size  Date
        FFXCP1040.tar.gz   46827123  Wed Mar 14 19:11:40 2007
Warning: About to delete old versions.
Continue? [y|n]: y
Removing FFXCP1040.tar.gz.
```

Software Documentation Updates

This section contains late-breaking information on the software documentation that became known after the documentation set was published.

TABLE 5 Software Documentation Updates *(1 of 3)*

Document	Page Number	Change
All SPARC Enterprise M4000/M5000 servers documentation		All DVD references are now referred to as CD-RW/DVD-RW.
The list of supported browsers in the *SPARC Enterprise M4000/M5000/M8000/M9000 Servers XSCF User's Guide* is erroneous.	Page 905	The list of web browsers supported by the XSCF Web includes: • Microsoft Internet Explorer 6.0 or later • Firefox 2.0 or later • Mozilla 1.7.x or later • Netscape Navigator 7.1 or later

TABLE 5 Software Documentation Updates *(2 of 3)*

Document	Page Number	Change
`ioxadm` (8) man page		The Privileges section of the `ioxadm` (8) man page is incomplete. The following description is complete: • With `platop` privileges, you can use the operands: `env`, `list`. • With `platadm` privileges, you can use the operands: `env`, `list`, `locator`, `poweroff`, `poweron`. • With `fieldeng` privileges, you can use the operands: `env`, `list`, `locator`, `poweroff`, `poweron`, `reset`, and `setled`.
`showldap` (8) man page `showlookup` (8) man page `showcodusage` (8) man page `showemailreport` (8) man page		The man pages for `showldap`, `showlookup`, `showcodusage`, and `showemailreport` do not state that these commands are available with the `fieldeng` privilege.
`getflashimage` (8) man page		In XCP104x, the new command `getflashimage` is available, which can be used to download firmware images in place of the XSCF Web. An abbreviated man page for `getflashimage` is included in "Abbreviated Man Page for `getflashimage`" on page 14.
`setaudit` (8) man page `showaudit` (8) man page		The `setaudit` and `showaudit` man pages are incorrect with respect to audit class information. The following are the audit classes and their values: ACS_SYSTEM 1 ACS_WRITE 2 ACS_READ 4 ACS_LOGIN 8 ACS_AUDIT 16 ACS_DOMAIN 32 ACS_USER 64 ACS_PLATFORM 128 ACS_MODES 256
SPARC Enterprise M4000/M5000/M8000/M9000 Servers XSCF User's Guide	Page D-5	Frequently Asked Questions (FAQ) in "Troubleshooting XSCF and FAQ" The option for OS dump is not "request" but "panic". Correction: 1. First, execute the reset(8) command with the panic option from the XSCF Shell.

TABLE 5 Software Documentation Updates *(3 of 3)*

Document	Page Number	Change
SPARC Enterprise M4000/M5000/M8000/M9000 Servers XSCF Reference Manual	ioxadm(8) command	The required privileges for the ioxadm(8) command are as follows: Required PrivilegesCommands platopenv, list platadmenv, list, locator, poweroff, poweron fieldendenv, list, locator, poweroff, poweron, reset, setled The corrections here, if not otherwise specified, also apply to the man pages which XSCF provides. And they supersede the information on the man pages.
SPARC Enterprise M4000/M5000/M8000/M9000 Servers Administration Guide		Hotplugging of the IOU onboard device card (IOUA) is not supported at this time.