



Sun StorEdge™ Network 2 Gb McDATA Sphereon 4300 Switch Release Notes

Sun Microsystems, Inc.
www.sun.com

Part No. 817-3635-10
September 2003, Revision A

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Sun StorEdge Network 2 Gb McDATA Sphereon 4300 Switch Release Notes

This document contains important information about the Sun StorEdge™ Network 2 Gb McDATA Sphereon 4300 Switch with 5.05.00 firmware that was not available at the time that the product documentation was published. Review this document so that you are aware of issues or requirements that can impact the installation and operation of the products.

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This document contains the following main sections:

- “System Requirements” on page 2
- “Optional Software and Support” on page 4
- “Known Issues” on page 5
- “Bugs” on page 5
- “Service Contact Information” on page 7

System Requirements

The 5.05.00 firmware requires the use of these software products:

- McDATA SANpilot software
- Either of the following web browsers:
 - Netscape™ Communicator, versions 4.7 through 7.0
 - Microsoft Internet Explorer, 5.00.3315.1000x minimum

Required Packages

Certain software packages and patches are required for the Sun StorEdge SAN Foundation software and the Sun StorEdge Traffic Manager software for the Solaris Operating System (OS) to be supported on your SAN. For instructions to find, download, and install these packages and patches, see *Sun StorEdge SAN Foundation Software 4.2 Installation Guide*, 817-1244-xx.

Required Patches

You must download the appropriate Sun Solaris patches listed in TABLE 1 or TABLE 2 for proper switch operation. See “To Download and Install the Patches” on page 4 for installation instructions.

TABLE 1 Solaris 8 Patches

Solaris 8 Patches (-xx Minimum Version)	Description
111412-11	Sun StorEdge Traffic Manager software
111095-13	fcntl/fp/fcp/usoc driver
111096-06	fcip driver
111097-12	qlc driver
111413-10	luxadm, liba5k, and libg_fc
111846-06	cfgadm fp plug-in library patch
111847-07	Sun StorEdge SAN Foundation kit
114877-01	JNI HBA patch for the Solaris 8 OS

TABLE 2 Solaris 9 Patches

Solaris 9 Patches (-xx Minimum Version)	Description
113039-03	Sun StorEdge Traffic Manager software
113040-05	fcntl/fp/fcp/usoc driver
113041-03	fcip driver
113042-04	qlc driver
113043-03	luxadm, liba5k, and libg_fc
113044-03	cfgadm fp plug-in library patch
111847-07	Sun StorEdge SAN Foundation kit
114878-01	JNI HBA patch for the Solaris 9 OS

▼ To Download and Install the Patches

1. **Access the SunSolveSM website at <http://www.sunsolve.sun.com>.**
2. **Under SunSolve Patch Contents, click Patch Portal.**
3. **Under PatchFinder, type the patch number and click Find Patch.**
You do not have to type the version number (-xx). PatchFinder automatically finds the latest patch.
4. **Verify the correct patch.**
5. **Click [Download Patch (xx,xxx bytes) HTTP FTP].**
For additional patches, use your browser to return to the Patch Portal page.
6. **Follow the instructions in the README file of each patch to install the patch.**

Optional Software and Support

The McDATA Enterprise Fabric Connectivity Manager (EFCM) Lite, software 7.01.00 and earlier versions, is not supported with the Sun StorEdge Network 2 Gb McDATA Sphereon 4300 Switch with 5.05.00 firmware. Use EFCM Lite version 8.xx.xx.

If you want full fabric visibility and management support with McDATA products, you must have the McDATA 4300 Full Fabric License Key. Contact your Sun sales representative to obtain the license.

Note – the “McDATA 4300 Full Fabric License Key” has also been referred to as the “Product Functional Enablement (PFE) Key for Full Fabric Upgrade for the McData Sphereon 4300.”

Known Issues

An important issue described in the “Upgrade and Downgrade Considerations” section of the *McDATA Enterprise Operating System Release Notes, Version 05.01.00*, part number 958-000190, also applies to the Sun StorEdge McDATA Sphereon 4300 switch. The contents of nonvolatile memory (NVS RAM) on the active Control Processor (CTP) card (the CTP card with the bright LED) can become corrupted during firmware upgrading and downgrading.

Bugs

The bugs in this section are listed in order of priority (P) first, and then severity (S).

Sun StorEdge McDATA Sphereon 4300 Switch Bugs

- **Bug 4854365 (P2/S3):** When connected to a JNI 2 Gb HBA and a Sun StorEdge 6910 or 6960 system, the Sun StorEdge McDATA Sphereon 4300 switch can report an “Invalid Attachment” port state during repeated cable disconnects.
Workaround: Minimize cable disconnection between the Sun StorEdge McDATA Sphereon 4300 switch and the HBA during operation.
- **Bug 4841884 (P3/S2):** During a diagnostic fault injection, a Sun StorEdge McDATA Sphereon 4300 switch can lose its custom settings, such as the IP address and Flexport license, and return to the factory default settings.
Workaround: Perform a switch reset or power cycle. Then, reconfigure the IP address and reinstall the Flexport license.
- **Bug 4851117 (P3/S3):** A Sun StorEdge McDATA Sphereon 4300 switch with a Gx_Port setting becomes a FL_Port when connected to a 1-Gb Fibre Channel device.
Workaround: Check the individual FL_Ports and manually set them to F_Ports.
- **Bug 4854340 (P3/S3):** During repeated cable disconnects, a Sun StorEdge McDATA Sphereon 4300 switch can lose its Ethernet communication.
Workaround: Perform a soft reset with a CLI command through the serial port, or by pushing the IML/RESET button (IML is Initial Machine Load) on the front of the Sun StorEdge McDATA Sphereon 4300 switch.

Note – The I/O operations continue during the soft reset.

- **Bug 4885300 (P3/S3):** A fabric boot fails with the error message “Can’t open boot device” when using JNI 2 Gb HBAs with the Sun StorEdge McDATA Sphereon 4300 switch Gx_Port settings.

Workaround: Set the ports on the Sun StorEdge McDATA Sphereon 4300 switch as a G_Port.

- **Bug 4832847 (P4/S4):** McDATA SANpilot with Microsoft Internet Explorer or Netscape Communicator displays only the first 50 characters of the firmware file names for download selection.

Workaround: Use McDATA Enterprise Fabric Connectivity Manager (EFCM) Lite, 8.xx.xx or later, to download firmware.

- **Bug 4848574 (P4/S4):** When the Storage Automated Diagnostic Environment is getting the error counters from a Sun StorEdge McDATA Sphereon 4300 switch, the software might report only the first five ports.

Workaround: Use the McDATA SANpilot software through the Microsoft Internet Explorer web browser, 5.00.3315.1000x minimum, to check the error status.

- **Bug 4765963 (P5/S4):** The `deleteWnnMem` command returns the response `invalid zone name`.

Workaround: Do not use the command-line interface (CLI) to perform zoning operations. Use McDATA SANpilot software accessed through the Microsoft Internet Explorer web browser, 5.00.3315.1000x minimum.

Bugs With System Components With the Sun StorEdge McDATA Sphereon 4300 Switch

- **Bug 4747435 (P2/S2):** When the `cfgadm` command is used, an I/O failure occurs, and the Sun StorEdge T3 array is reported in an unusable state.

```
# cfgadm -al c4
Ap_Id          Type          Receptacle    Occupant      Condition
c5::50020f23000bfed  disk         connected     configured    unusable
```

Workaround: Check the integrity of the Sun StorEdge McDATA Sphereon 4300 switch port cable connections, and ensure that the green port LEDs are lit.

- **Bug 4737352 (P2/S2):** When the `cfgadm -c configure` command is used, the Sun StorEdge T3+ array does not register its FC4-type to the Sun StorEdge McDATA Sphereon 4300 switch.

Workaround: Use the `cfgadm -c configure` command with the `-f force` option.

```
# cfgadm -c configure -f device
```

- **Bug 4811576 (P3/S1):** When you disconnect a cable from the host to a Sun StorEdge McDATA Sphereon 4300 switch, and you then reconnect it to another Sun StorEdge McDATA Sphereon 4300 switch within the same fabric (using WWN zoning), the host stops functioning.

Workaround: Stop all I/O processes before removing the HBA cables.

Service Contact Information

If you need help installing or using this product, call 1-800-USA-4SUN within the United States, or go to:

<http://www.sun.com/service/contacting/index.html>

