

Sun StorEdge™ Network 1 Gb FC Switch-8 and Switch-16 Release Notes

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Contents

Quick Installation 2

Bugs 3

Bug Fixes for Firmware Versions Between 4.02.33 and 4.02.38 4

Service Contact Information 5

Sun StorEdge Network 1 Gb FC Switch-8 and Switch-16 Release Notes

This document contains important information about the new code release for the Sun StorEdge™ Network 1 Gb FC Switch-8 and Switch-16 that was not available at the time the product documentation was published. Review this document so that you are aware of issues or requirements that can impact the operation of the switches.

Note – For detailed information about the Sun StorEdge Network 1 Gb FC Switch-8 and Switch-16 and about installation and management, refer to documents at:

http://www.sun.com/products-n-solutions/hardware/docs/Network_Storage_Solutions/Hubs_and_Switches/index.html

and click Other Documentation.

Quick Installation

The firmware should be upgraded to version 4.02.38 or higher (released with package: SUNWsmgr2, VERSION=2.1, REV=2003.03.05.14.20 or later).

1. Make sure you are logged in as root.

- If you are doing the install for the first time, go directly to Step 5.
- If you currently have a version of SUNWsmgr2 on your system, proceed to Step 2.

2. Check for any patches related to the previous SUNWsmgr2 package by typing:

```
# showrev -p | grep 112429
Patch: 112429-08 Obsoletes: Requires: Incompatibles: Packages:
SUNWsmgr2
```

3. Remove any previous patch(es) with the patchrm command.

Remove the patch found in the preceding example by typing:

```
# patchrm 112429-08
```

4. Remove the earlier SUNWsmgr2 package by typing:

```
# pkgrm SUNWsmgr2
```

5. Access the directory where the new SUNWsmgr2 package is to be installed.

6. Add the new package by typing:

```
# pkgadd -d SUNWsmgr2_2.1.2003.03.05.14.20
```

7. Start the SANbox Manager by typing:

```
# /usr/opt/SUNWsmgr2/bin/SANbox_Manager
```

8. Update the firmware.

The new firmware for the Sun StorEdge Network 1 Gb FC Switch-8 and Switch-16 exists in the following directory:

/usr/opt/SUNWsmgr2/bin/firmware/SANbox1

For details on upgrading the firmware from version 4.02.xx to the 4.02.38 or higher (released with package SUNWsmgr2, VERSION=2.1, REV=2003.03.05.14.20 or later), refer to *SANbox with E_Ports Switch Management User's Manual*, 816-7596-10.

For details on upgrading the firmware from an older version, such as 3.04.xx, to 4.02.38 or higher, refer to Appendix C of *SANbox with E_Ports Switch Management User's Manual*, 816-7596-10.

Bugs

Bugs appear late in the test cycle when there is not enough time to correct them for the current release.

- **Bug 4830434:** Changing the members of a zone that is part of the currently active zoneset through a Telnet session causes a switch to reset and potentially corrupts the zoneset configuration.

Note – In general you should not edit the active zoneset.

Workaround: There are several solutions for this bug:

- Use the GUI instead of a Telnet session for editing the zone configuration.
- If there is a SANbox2 switch in the same fabric, edit the zone on the SANbox2 [switch]. When the modified zoneset is activated, the changes are correctly propagated to all the switches in the fabric by the standards-defined mechanism.
- **Bug 4827887:** During error injection on ISL cables, the host report disappears from the fabric and reappears from fabric messages.

Workaround: The devices that seem to disappear recover automatically and do not require any user intervention. This problem does not occur if there is no error injection.

- **Bug 4822541:** Sometimes when a switch is reset in a multiswitch fabric, the Name Server query might time-out and cause the devices to go offline.

Workaround: Reset the ports on the devices that seem to have disappeared. You can also reset the switch.

- **Bug 4826541:** Sometimes when using a JNI 2 Gb PCI Fibre Channel HBA (JFCA driver version 1.0.b.07), SCSI transport failure messages are displayed. The switch port counter also typically displays several CRC errors.

Workaround: Reset the port or the switch.

Bug Fixes for Firmware Versions Between 4.02.33 and 4.02.38

The following is a list of bugs that have been resolved.

- 4793609

Synopsis: 1 Gb switch: ADISC ACC has a different Port WWN (causing a TIMEOUT, TRANS ERROR).

- 4781302

Synopsis: PSX-1000 + 1Gb sunswitch receives constant RSCN activity.

- 4753833

Synopsis: SNMP Temperature sensor shows exactly double the actual value.

- 4774241

Synopsis: ioctl FCSMIO_CMD failing.

- 4766170

Synopsis: SunSwitch 1G buffer credit ports panic when switch is cascaded over distance.

- 4811634

Synopsis: FC switch exceeds GA_NXT payload length = ssd "timeout", "tran_err" and IO stall.

- 475377

Synopsis: 1Gb switch with upgraded FW shows degraded mode of operation.

Service Contact Information

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

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

