



Sun StorEdge™ Network 2 Gb McDATA Intrepid 6140 Director Release Notes

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Sun StorEdge Network 2 Gb McData Intrepid 6140 Director Release Notes

This document contains important information about the Sun StorEdge Network 2 Gb McDATA Intrepid 6140 Director (hereafter referred to as the “6140 director”) 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 installation and operation of the 6140 director.

- “System Requirements” on page 2
- “Known Issues” on page 3
- “Bugs” on page 4
- “Service Contact Information” on page 7

System Requirements

This section discusses browser requirements and lists the software packages and patches that you must use with the Sun StorEdge SAN Foundation software and the Sun StorEdge Traffic Manager software for the Solaris operating environment (OE) when used with the 6140 director in a network fabric. Topics in this section include:

- “Netscape Navigator” on page 2
- “Required Packages and Patches” on page 2

Netscape Navigator

McData management software must be used with Netscape Navigator™ 3.0 or later. Refer to *McData Enterprise Fabric Connectivity Manager User Manual*, 620-005001. This (EFCM) manual can be found on the McData Intrepid 6140 Director CD that comes with the product, and at:

<http://www.mcdata.com/knowcenter/techpubs/index.html>.

Required Packages and Patches

Certain software packages and patches are required for Sun StorEdge SAN Foundation software and the Sun StorEdge Traffic Manager software for the Solaris OE 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.

Known Issues

The following issues are being studied for solution:

- “No Loop Support” on page 3
- “Cascading Limitation” on page 3
- “Use Open Fabric Mode” on page 3

No Loop Support

The 6140 director does not work with loop devices. Therefore, the Sun StorEdge T3 and T3+ arrays and the Sun StorEdge 3910 and 3960 systems are not supported in loop mode. However, the Sun StorEdge T3+ array and Sun StorEdge 3910 and 3960 systems are supported in fabric mode. Since the Sun StorEdge T3 array works only in the loop mode, it is not supported.

Cascading Limitation

The 6140 director allows a maximum of three switch hops.

Use Open Fabric Mode

The 6140 director has two operating modes: McDATA and Open fabric. Use only the Open fabric mode. The McDATA mode is not supported.

Bugs

The bugs in this section are listed in numerical order and with the status of priority (P) and severity (S). The bugs are divided into these two categories:

- “Bugs With the 6140 Director” on page 4
- “Bugs With System Components Configured With the 6140 Director” on page 6

Bugs With the 6140 Director

- **Bug 4762783 (P4/S4):** The online help incorrectly states that the 6064 director needs to be offline for a firmware upgrade.

Note – The message indicates “6064 Director,” but it is applicable to both the 6064 and 6140 McDATA directors.

Workaround: The 6140 director can remain online during a firmware upgrade.

- **Bug 4765963 (P5/S4):** The `deleteWwnMem` command returns the following error message.

```
# deleteWwnMem zone-name WWN-name
Error 55: Invalid Zone Name
```

Workaround: Ensure that the active Zoneset has been moved to the working area by typing the `config.zoning.replaceZoneSet` command. You can also use the Enterprise Fabric Connectivity Manager (EFCM) Lite to delete the zone.

- **Bug 4832847 (P4/S4):** When you download E/OS 5.1 “switch firmware” with the Netscape Navigator or Netscape Communicator browser, only 50 characters of the firmware file name are displayed for selection.

Workaround: Use the McDATA Enterprise Fabric Connectivity Management (EFCM) Lite software to download the E/OS.

- **Bug 4834286 (P4/S4):** The McDATA Enterprise Fabric Connectivity Management (EFCM) Lite software zone setting and other zone information is not displayed properly after the server that is running the EFCM Lite software is replaced.

Workaround: Import or restore the zone information on the EFCM Lite server.

- **Bug 4837556 (P4/S4):** In a two-host fabric, if each host is connected to a different switch, a ping reports “no answer from *IP-address*.”

Workaround: This is actually a request for enhancement (RFE) and there is no workaround at this time.

- **Bug 4850918 (P4/S2):** The 6140 director become inaccessible to the McDATA Enterprise Fabric Connectivity Management (EFCM) Lite software.

The McDATA 4500 switch and 6064 and 6140 directors use a Network Management Request/Response Unit (NMRU) connection for management purposes. Since only one NMRU session is allowed at any given time, if the Sun StorEdge Enterprise Storage Manager (ESM) software takes the NMRU connection, then the EFCM Lite software cannot connect to the 4500 switch.

Workaround: Do not run ESM and EFCM Lite software simultaneously to manage or monitor the fabric.

- **Bug 4854365 (P3/S3):** An “Invalid Attachment” port state is reported on the 6140 or 4500 switch.

Workaround: Use only Sun-approved host bus adapters (HBAs).

- **Bug 4859897 (P3/S4):** When merging McDATA fabrics (for example, adding a fabric with a McDATA 4500 switch to a McDATA 6064 switch fabric), the McDATA Enterprise Fabric Connectivity Management (EFCM) Lite software can report the first interswitch link (ISL—links between cascaded switches) segments with zone mismatch error if there are zones with the same name/identifier in both switches.

When the principle ISL in a McDATA switch fabric segments, the initiators might not be able to communicate with all the target devices.

Workaround: Use the EFCM Lite to rename the zones in the fabric so that all zones have unique names before merging the fabrics.

Bugs With System Components Configured With the 6140 Director

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

# <code>cfgadm -al c4</code>				
Ap_Id	Type	Receptacle	Occupant	Condition
c5::50020f230000bfed	disk	connected	configured	unusable

Workaround: Check the integrity of the 6140 director port cable connections and verify that the green port LEDs are lit.

- **Bug 4811576 (P3/S1):** When disconnecting a cable from the host to a 6140 director and reconnecting it to another 6140 director within the same fabric (using WWN zoning), the host stops functioning.

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

- **Bug 4749906 (P2/S2):** If a configuration uses extended distances (10 kilometers), the host HBA might cycle offline/online repeatedly.

Workaround: Do not use links of 10 kilometers.

- **Bug 4744293 (P2/S2):** The hosts cannot ping each other with FCIP configured.

Workaround: Do not use interswitch links (ISLs) with the Sun StorEdge Network 2 Gb Fibre Channel Switch-8 and Switch-16. If no ISLs are involved, try a few plumb/unplumb operations.

- **Bug 4715673 (P3/S2):** Any `slicd` (daemon) command fails when submitted in succession in the background.

Workaround:

- Issue only one `slicd` command at a time.
- Issue the command in the foreground.
- **Bug 4756241 (P3/S3):** The `qlc` firmware reports system error message 8002. The HBA resets and results in an offline/online message.

Workaround: Be aware that this problem can occur and ignore the message.

- **Bug 4737352 (P2/S2):** When you issue the `cfgadm -c configure` command, the Sun StorEdge T3+ array does not register its FC4-type to the 6140 director.

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

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

Service Contact Information

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

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

