



Release Notes

QLogic 4Gb Fibre Channel Switch Module for IBM eServer BladeCenter

Firmware Version 5.5.2.10

51079-00 A

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1. Overview

These Release Notes describes current firmware version for the Qlogic 4Gb Fibre Channel Switch Modules and procedure for updating firmware on the switch. This Firmware is used in conjunction with SANSurfer Switch Manager 5.05.1.08 or higher.

2. Change History

See the change history file for updates.

3. Installation and Setup Instructions

NOTE: Prior to downloading the firmware to the switch module, ensure that the advanced management option "Preserve IP Address across all resets" is set to 'enabled' via the Management Module interface. This will ensure that your currently configured IP Address will remain available after the switch firmware is upgraded.

NOTE: This version of firmware can be used with SANSurfer Switch Manager 5.05.1.08 or higher.

Refer to the IBM Support website for download information for the 7.10.xx version.

NOTE: Refer to BladeCenter Switch Management User's guide for detailed instructions.

NOTE: Capitalization of command, password, and username is important - must use as shown in procedures below.

1. Download new firmware file ("5.5.2.10.00_mpc") from IBM support website.
 - Refer to Support section of this document for URL.
 - Ensure that the filename that has been saved to the disk is 5.5.2.10.00_mpc and does not contain additional characters.
2. Open command prompt window/console.
3. Change directory in window/console to the directory where the new switch firmware file is located.
4. Ftp to the switch using the following command:
 - "ftp xxx.xxx.xxx.xxx" where xxx.xxx.xxx.xxx represents IP address of FC switch.
5. To log in to FC switch:
 - At prompt "username", type "images" and press the Enter key.
 - At prompt "password", type "images" and press the Enter key.
6. After logged in, enter the following commands:
 - At prompt, type "bin" and press the Enter key
 - At prompt, type "put <filename>" where <filename> is the name of the firmware file you downloaded previously and press the Enter key.
 - At prompt, type "quit" and press the Enter key.
7. Telnet to the switch using the following command:
 - "telnet xxx.xxx.xxx.xxx" where xxx.xxx.xxx.xxx represents IP address of FC switch
8. To log in to FC switch:
 - At prompt "username", type "USERID" and press the Enter key.
 - At the prompt "password", type "PASSWORD" and press the Enter key. **NOTE:** Zero is 6th character in password, not capital O.
9. After logged in, enter the following commands:
 - At prompt, type "admin start" and press the Enter key.
 - At the prompt, type "image list" and press the Enter key **NOTE:** "image list" command should display firmware file you uploaded in step 6 resident on switch.
10. Enter following command:
 - At prompt, type "image unpack <filename>" where <filename> is the name of file you uploaded in step 6 and press the Enter key.
11. Wait for confirmation that the switch firmware has successfully updated
12. After receiving confirmation, type "hotreset" to perform a Non-Disruptive Code Load Activation that will not disrupt data traffic on the switch. **NOTE:** Use hotreset only if a stable SAN environment is present, and no devices are being added or removed while hotreset is running. If SAN environment is not stable then type "reset" and press enter key which will reset the switch and activate the new firmware; this reset will disrupt any data traffic on switch.

4. Configuration Information for SAN Switch Module (full fabric mode)

Detailed information on configuring the Switch Module can be found in the QLogic Management Guide on the Support CD provided with each switch module or the IBM Website.

Additional information is available in the EFS Release Notes.

NOTES:

- If you have fabrics that cross time zones, please be aware that this will cause time stamp differences in the various switch logs.
- When shutting down a bladeserver, an immediate power off can cause additional port statistics to be seen. Ensure that the internal blades are properly shutdown to avoid excessive port statistics.
- A switch configuration backup does not archive the primary or secondary secrets for any security groups. As a result, the security secrets need to be reconfigured in Clish after a config restore. Otherwise the restored switch will isolate from the fabric due to an invalid attach due to the missing secrets.

5. Known Issues for SAN Switch Module (full fabric mode)

The following table identifies the known general issues, and the known Brocade/QLogic operation issues.

Known Issues
If the IP Address of the switch is changed through the CLI, the IP address will not be accessible until an IP address change has also occurred through the Management Module.
Known Issues with Brocade/QLogic operation
Connecting a QLogic switch to a Brocade switch via a GL port will cause the ISL (interswitch link) to become inoperable. To work around this issue, change the QLogic port to a G port. The Brocade switch demonstrates this issue with other non-QLogic switches.

6. Unattended Mode

This package does not support Unattended Mode.

7. Web Sites and Support Phone Numbers

IBM Support Web Site:

<http://www.ibm.com/pc/support>

IBM Marketing Netfinity Web Site:

<http://www.pc.ibm.com/netfinity>

If you have any questions about this update, or problems applying the update go to the following Help Center World Telephone Numbers URL: 1-800-772-2227

<http://www.pc.ibm.com/qtechinfo/YAST-3P2QYL.html>

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