IBM

Configuring the QLogic iSCSI Expansion Card for IBM @server BladeCenter to Boot from a Remote Disk Drive

Use this document to configure your QLogic iSCSI Expansion Card for IBM® @server® BladeCenter™ to boot from a remote disk drive.

When there is no local hard disk drive with an operating system installed, you must install the QLogic iSCSI expansion card, and use a driver disk to perform a remote operating system installation to an iSCSI target. To obtain the QLogic iSCSI device drivers for a Linux operating system, download the device drivers from the QLogic Web site at http://www.qlogic.com. To obtain the QLogic iSCSI device drivers for a Windows operating system, copy the device driver files to a diskette from the QLogic Web site at http://www.qlogic.com.

To configure the iSCSI expansion card for remote operating system installation, complete the following steps:

1. During the system start up process, when prompted, press **Cntl + Q** to enter the Qlogic configuration utility Fast!Util. The Fast!Util Select Host Adapter window opens.
2. Use your keyboard up and down arrow keys to select an adapter port to configure and press **Enter**. Function 1 refers to iSCSI port 0 and Function 3 refers to iSCSI port 1. The Fast!Util Options window opens.
3. Select **Configuration Settings** and press **Enter**. The Configuration Settings window opens.
4. Select **Host Adapter Settings** and press **Enter**. The Host Adapter Settings window opens.
5. Type the **iSCSI IP Address** and **Subnet mask**, in their respective fields, and press **Enter** to save the configuration changes.
6. Press **Esc** to return to the Configuration Settings window. The Fast!Util Configuration Settings window opens.
7. Select **iSCSI Boot Settings** and press **Enter**. The iSCSI Boot Settings window opens.
8. Select **Primary Boot Device Settings** and press **Enter**.
9. Type the **Target IP Address** and **iSCSI name**, in their respective fields, and press **Enter** to save the configuration changes.
10. Press **Esc** three times to return to the Fast!Util Options menu and when prompted select **Save** to save the changes. The Fast!Util Options menu opens.
11. (**Optional**) If you want to see the target drives, select **Scan iSCSI Devices** and press **Enter**. The boot device ID is 0. Otherwise, go to step 12.
12. Press **Esc** to return to the Fast!Util Options menu. The Fast!Util Options menu opens.
13. Select **Exit Fast!Util** and press **Enter**.
14. Press **Enter** and select **Reboot System**. The system reboots and the installed adapter finds the boot device and assigns it to the default hard disk drive letter C.
15. Install your operating system. See your operating system guide for detailed instructions.