

Release Notes

hp StorageWorks MSA1000 with hp ProLiant BL20p G2/BL40p Blade Servers

First Edition (July 2003)

Part Number: 346165-001

These notes discuss helpful information when using the MSA1000 with HP ProLiant BL20p G2 and BL40p blade servers.

For the latest version of these Release Notes and other MSA1000 documentation, access the MSA1000 website at: <http://www.hp.com/go/msa1000>.



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System Requirements

- Supported operating systems:
 - Microsoft® Windows® 2000 Server
 - Microsoft® Windows® Server 2003
 - Red Hat Linux Advanced Server/Enterprise Server 2.1 (2.4.9-e.3smp / 2.4.9-e.12smp)
- HBA firmware and driver versions:
 - Linux environments:
 - Fibre Channel Mezzanine HBA driver version 6.0.4 (BL20p)
 - Fibre Channel Mezzanine HBA firmware version 1.33 (BL20p)
 - or--
 - FCA2214 HBA driver version 6.0.4 (BL40p)
 - FCA2214 HBA firmware version 1.33 (BL40p)
 - Windows environments:
 - Fibre Channel Mezzanine HBA driver version 8.2.0.72 (BL20p)
 - Fibre Channel Mezzanine HBA firmware version 1.33 (BL20p)
 - or--
 - FCA2101 HBA driver version 4.82a14 (BL40p)
 - FCA2101 HBA firmware version 3.82a1 (BL40p)
- MSA1000 firmware, version 2.38
- HP StorageWorks SAN Switch 8/16 firmware, version 2.6.0h
- HP StorageWorks SAN Switch 2/8 or 2/16 firmware, version 3.0.2k
- HP Array Configuration Utility (ACU), version 6.4x, or greater
- HP StorageWorks SecurePath software, version 4.0B, or greater

Unsupported Configurations and Components

- Direct cable connection from the blade server to the single-port MSA1000 Fibre Channel I/O Module is not supported. A supported interconnect device must be used.
- Booting Windows systems from a Storage Area Network is not supported.
- HP StorageWorks MSA Fabric Switch 6 is not supported.
- HP StorageWorks MSA Hub 2/3 is not supported.
- HP StorageWorks Fibre Channel Storage Hub 7 is not supported.

HBA Driver and Firmware Notes

The MSA1000 HBA drivers and firmware for your BL20p G2 or BL40p server are available on the MSA1000 Software, Firmware, & Drivers page at: <http://www.hp.com/go/msa1000>.

Switch Notes

When using the HP StorageWorks SAN Switch 2/8 or 2/16 and a server blade is powered off or the HBA driver is not loaded, the port LEDs on the switch may illuminate solid amber and blinking green. This pattern is expected and does not require a service call.

ACU Notes

Linux environments using the ACU to configure their storage must use Netscape Web browser version 6.2.3. This Netscape version is available on the Netscape website at: <http://wp.netscape.com/download/archive.html>.

Storage Notes for Windows Server 2003 Environments using SecurePath

Windows Server 2003 cluster configurations using SecurePath may incorrectly identify newly added LUNs on the MSA1000.

The correct LUN labels are listed in the following table:

Table 1: LUN Types

Is SecurePath Being Used?	LUN Label
Yes	COMPAQ SECUREPATHDISK
No	COMPAQ MSA1000 VOLUME SCSI DISK

The following sections detail how to view and reassign LUN labels.

Verifying LUN Types

1. From your desktop, right-click **My Computer** and select **Manage**.
2. Double-click **Device Manager** and expand the **Disk Drives** field.
3. View the **Disk Drives** field and verify that each newly added LUN is properly identified:
 - **If you are not using SecurePath** and the LUN is identified as a COMPAQ MSA1000 VOLUME SCSI DISK, the LUN is identified correctly.
 - **If you are using SecurePath** and the LUN is identified as a COMPAQ SECUREPATHDISK, the LUN is identified correctly.
 - **If you are using SecurePath** and the LUN is identified as a COMPAQ MSA1000 VOLUME SCSI DISK, the LUN is identified incorrectly. Proceed to [“Correcting LUN Types.”](#)

Correcting LUN Types

For each LUN (on each cluster node) that is incorrectly identified:

1. In Device Manager, right-click COMPAQ MSA1000 VOLUME SCSI DISK and select **Properties**.
2. Select the **Driver** tab and then select **Update Driver** and **Search for best driver**.
The operating system will automatically find and correct the LUN type.