

Important Considerations

Build-and-Boot Installations with Windows Server 2003

For build-and-boot installations with the Storport Miniport driver version 2.00 and later, use Windows Server 2003 SP2 or later. Then, after the system installation completes and the system reboots, install the required update to the Microsoft Storport driver. The HBAnyware management application can then be installed with the full Storport Miniport kit or by manually installing the Emulex PLUS driver and the driver utilities package.

Updating the Windows Server 2008 Inbox Driver

An error may be reported when updating the Windows Server 2008 inbox Storport Miniport driver and Device Manager may show a yellow bang. In unusual cases, the system may "blue screen" when rebooting the system to make the driver update effective. This issue is only related to updating the inbox driver. The yellow bang will clear after rebooting the system and the problem will not re-occur with subsequent driver updates.

Avoid these problems by updating the inbox Storport Miniport driver during the installation of Windows Server 2008.

HBAnyware Diagnostics

Running the HBAnyware Diagnostic Dump command with high I/O traffic can result in a "blue screen". This problem can be avoided by reducing I/O traffic to a minimum before running the Diagnostic Dump command.

Running the HBAnyware PCI Loopback Test or Internal Loopback Test can cause an HBA to go offline and LUNs to disappear. Resetting the HBA one or more times may be required for the LUNs to become available. Use caution when considering whether you should run these tests. These issues will be corrected in the next Storport Miniport driver release.

lputilnt Management Utility

Emulex is discontinuing distribution of the lputilnt management utility in Storport Miniport driver downloads. HBAnyware, the full-featured replacement, supports both local and remote management of Emulex HBAs. lputilnt will be provided as a separate download for a six-month transition period ending May 30, 2008.

I/O Coalescing and the Storport Miniport Driver

I/O Coalescing is disabled by default. If your system is not heavily loaded, the default prevents a reduction in throughput due to the delays caused by batching interrupts. If I/O Coalescing is enabled, the driver batches CPU interrupts. If your system is heavily loaded, I/O Coalescing provides better throughput by reducing the number of interrupts and maximizing the amount of commands processed with each interrupt. You can set this parameter using the HBAnyware utility. See the driver User Manual's configuration section for more information on setting driver parameters or using I/O Coalescing.