



Product Bulletin 29

Product	StorNext® Storage Manager for Linux
Summary	The Emulex fibre HBA device driver may prevent drives from being recognized
Date	June 2008

Problem

Version 8.2.0 of the Emulex fibre host bus adapter driver, which is currently the most recent version available on the www.emulex.com website, will not “attach” some devices. The problem has been observed on LTO-3 tape drives with HP firmware. A complete list of devices is not available. The problem has not been observed with device drivers for Qlogic or LSI fibre host bus adapters.

Symptoms

An “invalid service parameters” message is logged when the Emulex lpfc device driver loads or if an affected device is added:

```
May 30 14:52:20 mdc1 kernel: lpfc 0000:02:09.0: 0:1303 Link Up Event x3  
received Data: x3 x0 x0 x1
```

```
May 30 14:52:20 mdc1 kernel: lpfc 0000:02:09.0: 0:(0):0207 Device 0  
(50:06:0b:00:00:5a:78:4a) sent invalid service parameters. Ignoring device.
```

```
May 30 14:52:20 mdc1 kernel: lpfc 0000:02:09.0: 0:(0):0207 Device 0  
(50:06:0b:00:00:5a:78:4a) sent invalid service parameters. Ignoring device.
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May 30 14:52:20 mdc1 kernel: lpfc 0000:02:09.0: 0:(0):0207 Device 0  
(50:06:0b:00:00:5a:78:4a) sent invalid service parameters. Ignoring device.
```

Solution

Systems with Emulex fibre host bus adapters and SUSE Linux Enterprise Server 10, SUSE Linux Enterprise Server 10 service pack 1, or RedHat Enterprise Linux update 1 should use the Emulex (lpfc) device driver provided with the operating system or a version verified by the system integrator.

Note: SUSE Linux Enterprise Server 10 service pack 2 and RedHat Enterprise Linux update 2 contain Emulex device drivers exhibiting this problem. These operating system versions are not currently supported in conjunction with StorNext for any system configuration.