

Product Bulletin 17

Product: StorNext® 2.7

Summary: Data Overrun errors when using SCSI tape drives with outdated drivers on Linux systems

Date: September 2006

Problem: Linux users using either the 2.4. or 2.6 kernels have experienced SCSI data overrun errors when writing data to tape due to their Linux systems running with outdated MPT SCSI OS drivers. The errors result in the tape being marked suspect or unavailable depending on the action being performed. If the tape is marked suspect, it may not be writable by the system. If it is marked unavailable, it will not be used at all by the system.

Solution:

- 1 Using your text editor, check your `/var/log/messages` directory for SCSI data overrun errors.



Note If your `/var/log/messages` directory has rolled, you may not see these errors. Proceed to Step 2.

- 2 Determine your MPT driver version. Type:

```
cat /proc/mpt/version
```

The output is similar to the following:

```
mptlinux-3.01.16
Fusion MPT base driver
Fusion MPT SCSI host driver
```



- If the output specifies no such file or directory, you do not have the drivers and will not experience the overrun errors.
- If the output indicates you have the proper drivers, but the errors continue, contact ADIC Technical Assistance Center (ATAC) for further assistance.

- 3 Update systems to the latest MPT SCSI OS drivers:

- Use version 2.06.28 for the 2.4 kernel
http://www.lsillogic.com/files/support/ssp/fusionmpt/Linux/LinuxMPT_20628.txt
- Use version 3.02.62 for the 2.6 kernel
http://www.lsillogic.com/files/support/ssp/fusionmpt/Linux/LinuxMPT_3.02.62.txt

- 4 Reboot the system.

For any other questions about StorNext, contact ATAC.

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