

Re: Boot of Dell 1750 fails with multiple SCSI drives installed

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/stable/2003-10/0625.html>

From: Doug White (dwhite_at_gumbysoft.com)

Date: 10/28/03

Date: Tue, 28 Oct 2003 09:26:15 -0800 (PST)
To: Clint Gilders <techservices@onlinehobbyist.com>

On Mon, 27 Oct 2003, Clint Gilders wrote:

- > *We have a brand new Dell Power Edge 1750 with an LSILogic 1030 Ultra 4*
- > *SCSI Adapter and 2 x 73 GB harddrives.*
- >
- > *I did not do the install because I am about 1000 miles form our*
- > *co-location facility, but here is the information I have on the problems*
- > *seen by the tech doing the install.*

I did this install on one of these 2 weeks ago and it worked perfectly.
Perhaps the backplane board in the system is damaged?

- > *With the two factory installed drives attached the system will not boot*
- > *from the install CD. If the second drive is disconnected the system can*
- > *be installed, but again will not boot if the second drive is connected.*
- > *The system is running 4.9-RC with an SMP kernel. 4.8 gave the same*
- > *results.*
- >
- > *This is what's logged with one or two drives:*
- >
- > *Oct 27 10:30:26 king7 /kernel: mpt0: <LSILogic 1030 Ultra4 Adapter> port 0xcc00-0xccff mem*
- > *0xfcd20000-0xfcd2ffff,0xfcd30000-0xfcd3ffff irq 7 at device 5.0 on pci4*
- > *Oct 27 10:30:26 king7 /kernel: mpt1: <LSILogic 1030 Ultra4 Adapter> port 0xc800-0xc8ff mem*
- > *0xfcd00000-0xfcd0ffff,0xfcd10000-0xfcd1ffff irq 13 at device 5.1 on pci4*
- > *Oct 27 10:30:26 king7 /kernel: Waiting 15 seconds for SCSI devices to settle*
- > *Oct 27 10:30:26 king7 /kernel: pass1 at mpt0 bus 0 target 6 lun 0*
- > *Oct 27 10:30:26 king7 /kernel: pass1: <PE/PV 1x3 SCSI BP 1.1> Fixed*
- Processor SCSI-2 device
- > *Oct 27 10:30:26 king7 /kernel: pass1: 3.300MB/s transfers*
- > *Oct 27 10:30:26 king7 /kernel: da0 at mpt0 bus 0 target 0 lun 0*
- > *Oct 27 10:30:26 king7 /kernel: da0: <IBM IC35L073UCDY10-0 S27F> Fixed Direct Access SCSI-3*
- > *device*
- > *Oct 27 10:30:26 king7 /kernel: da0: 320.000MB/s transfers (160.000MHz, offset 127, 16bit),*
- > *Tagged Queueing Enabled*
- > *Oct 27 10:30:26 king7 /kernel: da0: 70007MB (143374650 512 byte sectors: 255H 63S/T 8924C)*

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> *Oct 27 10:30:26 king7 /kernel: Mounting root from ufs:/dev/da0s1a*
>
> *When there are two drives the machine hangs at this point and prints the following error*
> *message to the console:*
>
> *MPT0: time out on request sequence: sequence = 0xFD*

Command timeouts are usually indicative of SCSI connectivity problems.

I would get the Dell diagnostics disk and run it on your system.

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Doug White | FreeBSD: The Power to Serve
dwhite@gumbysoft.com | www.FreeBSD.org

freebsd-stable@freebsd.org mailing list
<http://lists.freebsd.org/mailman/listinfo/freebsd-stable>
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