

Re: Problems with OpenServer 6

Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.sco.misc/2006-08/msg00043.html>

- *From:* "C. Coulter" <wizard2277@xxxxxxxxxxxx>
 - *Date:* Tue, 01 Aug 2006 15:19:52 -0700
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APS/Tom:

APS, YOU 'DA MAN (at least I think you might be a man)!!! Your post got me to thinking. I had tried everything as outlined in my previous posts, but nothing had worked. After I read your post, I took the DVD drive out of the system and changed the jumpering from slave to master.

Some years ago, we had gotten in the habit of setting up our optical drives as secondary slaves because there were certain motherboards that wouldn't run SCO in any other configuration. As soon as I changed the jumper to master, everything started to work. I could install the recut CD if I wanted and I was able to install the 7.1.4d IDE driver on my existing system!!! YAAAAY!

It seems odd that the original OS6 CD would allow you to install from a slave DVD, but 7.1.4b-7.1.4d would not. That may be a subtle bug that SCO could look at. Or, maybe they could change the documentation to reflect the need for a master device.

Now that we've resolved that problem, does anyone have any input on Problem No. 2, the 2 GB limit in "cdrecord" and/or mkisofs?

Tom, I would like to take a look at your teeny, tiny system, bo I will stop by your booth at Forum next week. I'll be there all 4 days.

Thanks, guys,

Chen Coulter
wizard2277@xxxxxxxxxxxx

D. Thomas Podnar wrote:

Re: Problems with OpenServer 6

On Mon, Jul 31, 2006 at 07:16:32PM -0700, C. Coulter wrote:

D . Thomas Podnar wrote:

On Sun, Jul 30, 2006 at 09:46:49PM -0700, C. Coulter wrote:

Hi all!

Here's the configuration that I'm having problems with:

Hardware:

Asus P5WD2 Motherboard with Marvell Gigabit onboard
Intel P4 2.8 GHz
Crucial 512 MB memory
Asus 64 MB MX4000 video card
Adaptec 29160 SCSI adapter
Seagate Travan 8 tape drive
Two (2) Seagate Barracuda 7200.10 320 GB SATA II disks
Sony 1.44 MB Floppy
Sony DW-U30 DVD burner
Moxa CP104JU 4 port RJ45 serial port card

Software:

OpenServer 6.0.0
OpenServer 6 Development System
Maintenance Pack 2
Marvell Yukon ethernet driver

Problem No. 1:

I had a functioning OpenServer 6 system when I checked the SCO web site and saw that there were a number of patches that SCO was "recommending" over and above Maintenance Pack 2. So, I downloaded them and applied them. I had been using my DVD burner to backup and restore files without any problems prior to this. However, once I applied the patches, my DVD burner and IDE driver no longer appeared during the system boot process and I could no longer use the DVD

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drive.

I wasn't sure what caused the problem, so I did a fresh install of OpenServer 6 and then applied the patches one by one. I was able to determine that

the problem was caused by patch 7.1.4d to the IDE

driver. As soon as that patch was applied, the

driver would disappear from the boot process.

However, it was still shown in "pkginfo". I then

used "pkgrm" to remove the IDE driver and applied

patches 7.1.4c and 7.1.4b (in that order) from the

SCO website. Neither one made the DVD drive and

the IDE interface usable. Unfortunately, 7.1.4a

(which is what comes with the base operating

system was not available on the website).

Does

anyone know if this is a defective patch?

Could

I have done something wrong to cause this?

How

can you retrieve the base driver 7.1.4a when a

patch is installed using "pkgadd" and doesn't give you a chance to retain the original files

as

"custom" often did?

I don't know the answer to this question, but I've looked at your motherboard specs and manual and the the driver readmes.

In the BIOS, you should set: Configure SATA as to AHCI
The setting for: Onboard IDE operate mode I'm not sure.
You may be able to set it to Enhanced mode, you may have to play with it.

Try each until everything shows up in the boot list or "sdiconfig -l".

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If your drives weren't in AHCI mode originally, you should re-install so that the AHCI driver gets picked up, then install AHCI 1.2 either before or after MP2.

Tom
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Developers of Microlite BackupEDGE

APS and Thomas:

I'd like to thank you both for taking the time to look at my problem. Thank you both for your suggestions, but, unfortunately, they did not work.

First, APS, I tried the recut CD on a spare drive as you suggested. However, the install program would not go past the driver recognition stage because it could not find the CD/DVD drive (even though that was the drive it was booted from). I suspect that the recut CD is probably using the 7.1.4b, 7.1.4c, or 7.1.4d driver that wiped out the IDE/DVD driver and was the original cause of my Problem No. 1. I tried installing with the BIOS set to AHCI and all the variations of "Standard IDE", but nothing worked.

Thomas, I had the disk drive setting in the BIOS set to AHCI all along as I wanted to take advantage of the speed increase in the SATA II drives. When you have AHCI set in the BIOS, the setting for "compatible/enhanced" (for IDE devices) is not shown as an option. Using this setting and the original, logoed, SCO install disk allowed me to install the system. I have subsequently installed AHCI 1.2 after MP2. At this point, I have not installed any of the new IDE driver versions. When I have the BIOS set to AHCI, the install program always picks up the AHCI driver. Previously, when I had installed the bad patches, the AHCI driver was still there and the hard drives continued to work. Therefore, I don't think that the AHCI driver had anything to do with the problem. BTW, the P5WD2 manual (on page 4-17)

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says the the "Onboard IDE Operate Mode ... appear only when the Configure SATA As item is set to [Standard IDE].

Does anyone have any other ideas about this problem and/or the 2 GB limit problem?

Thanks for your valuable time,

Chen Coulter
wizard2277@xxxxxxxxxxxx

Mixing SATA and PATA can be a little squirrely.
There's another thing you can try. You have four SATA ports.
Use a SATA DVD drive, like the Plextor PX-755SA.

Our SATA (AHCI) show system has four ports and four SATA devices.
– SATA hard drive
– SATA DVD (PX-755SA)
– SATA Iomega REV
– SATA Tape (Sony AIT-2 Turbo)

You may need the recut CD to install from the SATA DVD drive, as the 1.1 AHCI driver was built to fix a potential issue with SATA DVD.
It also adds the SATA tape support, if you ever want to go that route.

We sent SCO our own hardware to help validate these changes.

If anyone going to Forum wants to see a very small, all SATA system, drop by our exhibit.