

# Re: Problems with OpenServer 6

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- *From:* "D . Thomas Podnar" <[tom@xxxxxxxxxxxxxx](mailto:tom@xxxxxxxxxxxxxx)>
  - *Date:* Tue, 1 Aug 2006 09:54:56 -0400
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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 drive.

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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".

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.

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APS and Thomas:

I'd like to thank you both for taking the time to look

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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) 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

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– 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.

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