

Re: Problems with OpenServer 6

Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.sco.misc/2006-08/msg00002.html>

- *From:* pisymbol@xxxxxxxxxx
 - *Date:* 2 Aug 2006 04:54:36 -0700
-

Glad it worked for ya Chen!

Slave only configurations are weird. I'm not sure what is the secret to them exactly and there is nothing that prevents the IDE driver from enumerating a slave only config in the driver (though 714d is very much updated to handle Enhanced mode and other versions properly and it wouldn't surprise me if slave only configuration is broke – btw, because of a historical artifact you don't want slave only anyway on SVR5 since you won't get DMA enabled).

Ah well...flip to Master....use the 714d IDE and latest AHCI driver and you should be good as gold! :D!

As for 2GB, this is either you didn't turn on LFS (see doc/TAs) or there is something that limits mkisofs. From what I remember from the iso spec, I thought the limit of an ISO image is around 2GB since it uses 32 bit offsets. I'm not sure what you are trying to do, but I've never heard of ISO's bigger than 2GB (and I'm positive CDFS won't support it since its using an older fski interface anyway).

My advice is keep your ISOs lower than 2GB if you are burning them to DVD.

–aps

C. Coulter wrote:

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

Re: Problems with OpenServer 6

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, so 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:

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

Re: Problems with OpenServer 6

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.

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

Re: Problems with OpenServer 6

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.

Tom

Re: Problems with OpenServer 6

D. Thomas Podnar
Microlite Corporation
2315 Mill Street
Aliquippa PA USA 15001-2228
724-375-6711
888-257-3343 Sales
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) 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,

Re: Problems with OpenServer 6

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.