

Re: Can't even get started with Solaris!

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Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.solaris/2006-05/msg00986.html>

- *From:* "es_mller" <es_mller@xxxxxxxx>
 - *Date:* Tue, 16 May 2006 15:54:12 GMT
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"Thomas Maier-Komor" <thomas@xxxxxxxxxxxxxxxx> wrote in message [news:e4crdv\\$hvq\\$1@xxxxxxxxxxxxxxxx](mailto:news:e4crdvhvq1@xxxxxxxxxxxxxxxx)

es_mller wrote:

I downloaded all Solaris 10 1/06 (X86) files (DVD), combined them, made and made a bootable DVD. I also made a DVD of the companion disc.

Solaris installs fine, but once it is up and running:

– The DVD (IDE) drive doesn't work, even though it is the SAME drive it intalled with! The computer has four CD/DVD drives. Two IDE (DVD and DVD-RW) and two SCSI (CD and CD-RW). The two DVD drives are both IDE masters: one on the primary channel and the other on secondary. (The HDD's are SCSI.) None of them work even though the documentation says that CD and DVD drives should "automount" when discs are put in. It says that the mount point is "/cdrom", but that directory doesn't even exist.

– No USB support? I have an external 250GB drive, mounted inside a USB2 enclosure. If I could talk to it, at least I could get at software I downloaded before hand to start building Solaris up.

Both, cdroms and usb-drive should work without a problem. So let's see how we get it running. First you should check that vold is running

I.e.:

```
# ps -ef | grep vold
root 511 1 0 Mai 15 ? 0:00 /usr/sbin/vold
```

Then let's look which devices vold picked up for automounting:

```
# ls /vol/dev/dsk
c1t0d0
```

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Cleanup unavailable device entries:

```
# devfsadm -C -c disk
```

Look what disks are registered in the system:

```
# ls /dev/dsk
```

```
c0d0p0 c0d0s1 c0d0s15 c0d0s7 c1t0d0p3 c1t0d0s12 c1t0d0s4  
c0d0p1 c0d0s10 c0d0s2 c0d0s8 c1t0d0p4 c1t0d0s13 c1t0d0s5  
c0d0p2 c0d0s11 c0d0s3 c0d0s9 c1t0d0s0 c1t0d0s14 c1t0d0s6  
c0d0p3 c0d0s12 c0d0s4 c1t0d0p0 c1t0d0s1 c1t0d0s15 c1t0d0s7  
c0d0p4 c0d0s13 c0d0s5 c1t0d0p1 c1t0d0s10 c1t0d0s2 c1t0d0s8  
c0d0s0 c0d0s14 c0d0s6 c1t0d0p2 c1t0d0s11 c1t0d0s3 c1t0d0s9
```

now let's stop vold and try to mount a cdrom manually:

```
# /etc/init.d/vold stop
```

```
# ps -ef|grep vold
```

```
# format
```

```
Searching for disks...done
```

AVAILABLE DISK SELECTIONS:

```
0. c0d0 <DEFAULT cyl 39536 alt 2 hd 16 sec 63>
```

```
/pci@0,0/pci-ide@9/ide@0/cmdk@0,0
```

```
Specify disk (enter its number): 0
```

```
selecting c0d0
```

```
Controller working list found
```

```
[disk formatted, defect list found]
```

```
Warning: Current Disk has mounted partitions.
```

FORMAT MENU:

disk – select a disk

type – select (define) a disk type

partition – select (define) a partition table

current – describe the current disk

format – format and analyze the disk

fdisk – run the fdisk program

repair – repair a defective sector

show – translate a disk address

label – write label to the disk

analyze – surface analysis

defect – defect list management

backup – search for backup labels

verify – read and display labels

save – save new disk/partition definitions

volname – set 8-character volume name

!<cmd> – execute <cmd>, then return

quit

```
format> q
```

Now you should be able to determine, which device is a cdrom and mount a cdrom:

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```
# fstyp /dev/dsk/c1t0d0s0
hsfs
# ls /mnt
# df /mnt
/ (/dev/dsk/c0d0s0 ): 4342524 Blöcke 900586 Dateien
# mount -F hsfs /dev/dsk/c1t0d0s0 /mnt
# ls /mnt
Copyright JDS-THIRDPARTYLICENSEREADME
installer Solaris_10
```

now, retry it with vold:

```
# umount /mnt
# /etc/init.d/volmgt start
volume management starting.
# ls /cdrom/
cdrom0 sol_10_305_x86_2 studio10x86
# ls /cdrom/sol_10_305_x86_2/
Copyright JDS-THIRDPARTYLICENSEREADME
installer Solaris_10
```

– Network NIC doesn't work, so can't get to the internet. The computer has an Atheros-based wireless card and also a Linksys NC100 NIC. I don't expect the wireless card to work right away. (It was a pain to get working in Linux, had to use ndiswrapper.) But, the NIC? The NC100 is pretty generic and standard card that has been around forever.

try:

```
$ ifconfig -a plumb
$ ifconfig -a
```

I'd really like to start using Solaris as it does look like a nice clean OS, but being at a complete chicken and egg (can't use any devices or get on the internet), it is pretty much just reduced to nothing except a way to run OpenOffice, which I can do under Linux anyway. It did find my video card with no problem and both CDE and the Sun'd java gnome look great. I just don't have any direction to go from here at all.

<http://docs.sun.com> is very good and so are the manpages. Many things

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are a little bit different to Linux, but the documentation is much better than under Linux, so this shouldn't be a big deal. Wasn't for me at least...

TIA...

Wish you a good start. If you can be a little bit more specific with your problem, it will be easier to help you.

HTH,
Tom

Thanks!

I will certainly give that a shot. I do also have much of the documentation from Sun burned onto another CD, but couldn't get at it. Also put ethernet drives onto the CD. Really binded because I currently have my laptop in literally about a hundred pieces (painting it) and the PC that I was installing Solaris on is far (physically) from my other PC's. And, of course, don't have a printer either. (Tossed my inkjet because got sick of buying cartridges and plan to get a laser soon.) Even tried to use a Sony PSP to read docs from Sun, but the PSP's browser couldn't handle them.

Thanks again for the very useful reply instead of the sarcastic replies that are so prevalent on Usenet these days. I think once I can get a CD talking, I'll be in business!

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