

## Problem with sgen driver.

**Source:** <http://unix.derkeiler.com/Newsgroups/comp.sys.sun.admin/2003-11/0137.html>

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I used to use a scanner on my Sun Ultra 80 with Jorg Schilling's libscg SCSI driver. I just installed the latest Solaris release and found I could not get that to work as expected.

So I decided to try the other option suggested in the documentation for the 'sane-backends' scanner software, which is to use Sun's sgen driver. However, that would not load at all.

Given I'd just unsuccessfully installed the libscg driver, and I'd only just installed Solaris, I decided to do a fresh install of Solaris (again version 9, release 4) and install Sun's sgen driver as soon as the OS was installed.

The installation of the sgen driver seemed to go okay after I'd uncommented the relevant lines in /kernel/drv/sgen.conf file:

```
# devfsadm -v -i sgen
devfsadm[597]: verbose: mknod
/devices/pci@1f,4000/scsi@3,1/sgen@4,0:scanner 0l/
3l/20600
devfsadm[597]: verbose: symlink /dev/scsi/scanner/c2t4d0 ->
../../../../devices/pci
@1f,4000/scsi@3,1/sgen@4,0:scanner
```

modinfo showed an Id of 170 for sgen. However, the scanner software was unable to find a scanner, despite the fact I know the scanner was working less than a week ago on the first release of Solaris 9 and the libscg driver.

I removed the driver with modunload, edited the /kernel/drv/sgen.conf file to have just his – previously I had 'processor' and all the scsi id's uncommented.

```
device-type-config-list="scanner";
name="sgen" class="scsi" target=4 lun=0;
```

So I tried once again with sgen.

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```
# devfsadm -v -i sgen
```

but this time there is nothing on stdout output. However, modinfo shows the driver has loaded – again with an Id of 170.

The 'sane-find-scanner' program in the sane-backends software (I've tried 1.0.7, the 1.0.8 that did work + the latest sane-backends-1.0.13-pre2) is still unable to find a scanner.

I'm pretty convinced there is nothing there, as even cating the device file gives no output:

```
sparrow # cat /dev/scsi/scanner/c2t4d0
cat: input error on /dev/scsi/scanner/c2t4d0: No such device or address
```

I would add

- 1) probe-scsi-all finds the scanner.
- 2) I've tried with vold not running – that seems to screw most things up.
- 3) cdrecord –scanbus can't find the scanner either.
- 4) Needless to say I've rebooted several times, done boot -r's etc. but with no luck.
- 5) Looking around the web, I'm not the first to hit the problem and I don't see any solutions that have not been attempted in my case.

Given I've just installed Solaris 9 release 4 from the August 2003 release, I'm going to get any patches and try that, but does anyone have any other suggestions ?

Dr. David Kirkby – please reply to the newsgroup – I've all but given up reading email due to spam.