

Re: Getting Xorg to use nvidia driver now that "devices" section gone in Sid

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Debian/2008-06/msg02044.html>

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- *From:* "Damon L. Chesser" <[damon@xxxxxxxxxx](mailto:damon@xxxxxxxxxx)>
  - *Date:* Fri, 27 Jun 2008 09:32:29 -0400
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On Thursday 26 June 2008 11:26:53 pm David Bruce wrote:

Hello,

I have installed both `nvidia-glx` and `nvidia-kernel-source` (using `module-assistant` for the latter to build and install the driver). In the past, at this point I would just use `dpkg-reconfigure xserver-xorg` to select "nvidia" instead of "nv". Now, it appears that the driver is supposed to be autodetected. There is no longer a "devices" section in my `Xorg.conf`.

How can I be sure the "nvidia" driver is really installed, and how can I get Xorg to use it?

If I uninstall both `xserver-xorg-video-nv` and `xserver-xorg-video-vesa`, X won't start.

Below is some output from `aptitude` showing that I have the two packages installed:

```
dbruce@PenguinMaster:~$ sudo aptitude show nvidia-glx
Package: nvidia-glx
New: yes
State: installed
Automatically installed: no
Version: 173.14.09-2
Priority: optional
Section: non-free/x11
Maintainer: Debian NVIDIA Maintainers
<pkg-nvidia-devel@xxxxxxxxxxxxxxxxxxxxxxxx> Uncompressed Size: 25.8M
Depends: nvidia-kernel-173.14.09, x11-common (>= 1:7.0.0), libc6 (>=
2.7-1), libx11-6, libxext6, xlibmesa-gl | libgl1, zlib1g (>= 1:1.1.4)
Suggests: nvidia-settings, nvidia-kernel-source (>= 173.14.09)
```

```
dbruce@PenguinMaster:~$ sudo aptitude show nvidia-kernel-source
```

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```
[sudo] password for dbruce:
Package: nvidia-kernel-source
New: yes
State: installed
Automatically installed: yes
Version: 173.14.09-2
Priority: optional
Section: non-free/x11
Maintainer: Debian NVIDIA Maintainers
<pkg-nvidia-devel@xxxxxxxxxxxxxxxxxxxxxxxx> Uncompressed Size: 5026k
Depends: debhelper (> 4.0.0), make, sed (> 3.0), dpatch (>= 2.0.0)
Recommends: nvidia-glx (>= 173.14.09), kernel-package (>= 8.082),
devscripts
```

And here is the tail end of the Xorg.0.log with nv and vesa  
uninstalled, when X won't start:

```
(II) Module glx: vendor="NVIDIA Corporation"
compiled for 4.0.2, module version = 1.0.0
Module class: X.Org Server Extension
(II) NVIDIA GLX Module 173.14.09 Thu Jun 5 00:05:57 PDT 2008
(II) Loading extension GLX
(II) LoadModule: "freetype"
(II) Loading /usr/lib/xorg/modules/fonts/libfreetype.so
(II) Module freetype: vendor="X.Org Foundation & the After X-TT Project"
compiled for 1.4.2, module version = 2.1.0
Module class: X.Org Font Renderer
ABI class: X.Org Font Renderer, version 0.5
(II) Loading font FreeType
(II) LoadModule: "record"
(II) Loading /usr/lib/xorg/modules/extensions/librecord.so
(II) Module record: vendor="X.Org Foundation"
compiled for 1.4.2, module version = 1.13.0
Module class: X.Org Server Extension
ABI class: X.Org Server Extension, version 0.3
(II) Loading extension RECORD
(II) LoadModule: "dri"
(II) Loading /usr/lib/xorg/modules/extensions/libdri.so
(II) Module dri: vendor="X.Org Foundation"
compiled for 1.4.2, module version = 1.0.0
ABI class: X.Org Server Extension, version 0.3
(II) Loading extension XFree86-DRI
(==) Matched vesa for the autoconfigured driver
(==) Assigned the driver to the xf86ConfigLayout
(II) LoadModule: "vesa"
(WW) Warning, couldn't open module vesa
(II) UnloadModule: "vesa"
(EE) Failed to load module "vesa" (module does not exist, 0)
(II) LoadModule: "mouse"
(II) Loading /usr/lib/xorg/modules/input/mouse_drv.so
(II) Module mouse: vendor="X.Org Foundation"
```

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```
compiled for 1.4.0.90, module version = 1.3.0
Module class: X.Org XInput Driver
ABI class: X.Org XInput driver, version 2.0
(II) LoadModule: "kbd"
(II) Loading /usr/lib/xorg/modules/input/kbd_drv.so
(II) Module kbd: vendor="X.Org Foundation"
compiled for 1.4.0.90, module version = 1.3.1
Module class: X.Org XInput Driver
ABI class: X.Org XInput driver, version 2.0
(EE) No drivers available.
```

Fatal server error:  
no screens found

Thanks for any suggestions.

David Bruce

See these two links:

<http://wiki.debian.org/NvidiaGraphicsDrivers>

<http://wiki.debian.org/XStrikeForce/HowToRandR12>

and here is some of my xorg.conf (running dual monitors, one display w/nvidia)

```
Section "Monitor"
# HorizSync source: edid, VertRefresh source: edid
Identifier "Monitor0"
VendorName "Unknown"
ModelName "DELL SE198WFP"
HorizSync 30.0 – 83.0
VertRefresh 56.0 – 75.0
Option "DPMS"
EndSection
```

```
Section "Device"
Identifier "Videocard0"
Driver "nvidia"
VendorName "NVIDIA Corporation"
BoardName "GeForce 7600 GT"
EndSection
```

```
Section "Screen"
Identifier "Screen0"
Device "Videocard0"
Monitor "Monitor0"
DefaultDepth 24
Option "TwinView" "1"
```

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```
Option "metamodes" "CRT-0: 1440x900 +0+0, CRT-1: 1440x900  
+1440+0;1440x900"  
SubSection "Display"  
Depth 24  
Modes "1600x1200" "1280x1024" "1024x768" "800x600" "640x480"  
EndSubSection  
EndSection
```

As you can see, you can still add all the "fun" stuff. The above file was made with nvidia-settings.

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***Attachment: signature.asc***

*Description:* This is a digitally signed message part.