

LinHES - Bug # 426: GeForce 8400 GS getting vesa driver

Status:	Closed	Priority:	High
Author:	Human	Category:	
Created:	07/08/2009	Assignee:	jams
Updated:	03/20/2010	Due date:	
Description:	In the latest ISO, a new GeForce 8400 GS GPU doesn't trigger installation or usage of the nVidia drivers. Relevant lspci -mn info: 01:00.0 "0300" "10de" "06e4" -ra1 "1043" "82b2"		

History

07/09/2009 08:15 pm - cecil

When you boot, press F2 for verbose mode. Do you see it stating that it is installing nvidia? Please post resulting xorg.conf.

07/09/2009 08:19 pm - Human

I can reinstall and see, but as you can see from xorg.conf, the driver shows as vesa.

07/10/2009 12:02 am - cecil

Ok. No need to reinstall. I thought perhaps this was the same issue I'm seeing w/ my testbed (need to do more testing on my end).

07/10/2009 11:15 am - jams

post output of "lspci |grep -i vga " please

07/10/2009 11:25 am - Human

01:00.0 VGA compatible controller: nVidia Corporation GeForce 8400 GS (rev a1)

The machine-readable version of this was posted when I opened the ticket.

07/11/2009 01:12 pm - iskraigh

Bob

I had the same issue with the same card pci 8400gs

I posted about it here.

[http://mysettopbox.tv/flyspray/index.php?do=details&task_id=338]

I never could get it working with 07 or 08

If you have a copy of 05 try that, it worked for me then I could update to the 08 and it was fine.

If this works for you then it may give a clue.

07/14/2009 12:32 pm - Human

According to <http://us.download.nvidia.com/XFree86/Linux-x86/185.18.14/README/appendix-a.html> and

<http://us.download.nvidia.com/XFree86/Linux-x86/173.14.20/README/appendix-a.html> and

<http://us.download.nvidia.com/XFree86/Linux-x86/71.86.11/README/appendix-a.html>, either 71.86.x or 173.14.x or 185.18.x should work with this

GPU. <http://us.download.nvidia.com/XFree86/Linux-x86/96.43.13/README/appendix-a.html> shows that 96.43.x is the only branch that shouldn't work.

The old nVidia driver installation code would try to install the latest (highest-numbered) driver that it could find for which the README indicated compatibility with the GPU. Is that what the new code does?

07/15/2009 02:12 pm - Human

This problem may be more general than the 8400 GS. I found the 185.18.14 nvidia driver package on my test box, and I tried to install it and nvidia-utils (which it needed) and got a pacman error that nvidia-utils conflicted with libgl:

```
<code>[root@dragon mythtv]# pacman -U /data/var/cache/pacman/pkg/nvidia-185.18.14-1-i686.pkg.tar.gz
/data/var/cache/pacman/pkg/nvidia-utils-185.18.14-1-i686.pkg.tar.gz
loading package data...
checking dependencies...
error: replacing packages with -U is not supported yet
error: you can replace packages manually using -Rd and -U
error: failed to prepare transaction (conflicting dependencies)
:: nvidia-utils: conflicts with libgl
</code>
```

Has this always been the case, and the installer just forces the installation of nvidia-utils, or is this a new problem that is preventing nvidia drivers from being installed?

07/15/2009 02:33 pm - cecil

That is the case. When rebooting, we uninstall drivers that conflict and install the nvidia drivers.

07/15/2009 03:10 pm - Human

I can manually install the nvidia drivers if I run "pacman -Rd libgl" first, and they work with the 8400 GS (though there are vdpau problems, which I'll report separately). Now, why aren't the drivers being installed automatically?

07/15/2009 03:23 pm - cecil

Depends when you made your ISO. There was a bug on my part which got introduced when I added the OpenChrome drivers for Via. All should be well if you build a new ISO.

07/15/2009 03:26 pm - Human

I'll try a new build and report back.

07/16/2009 03:18 pm - Human

It's worse now - it sets up to use the nVidia driver, but the driver isn't installed. The workaround I did manually needs to find its way into xconfig.sh, but I'm unable to do it myself due to a dependency I can't resolve (needs ddcxinfo, but ddcxinfo's Irmi.c won't build due to a missing header). Here is my patch to xconfig.sh. Perhaps someone else can resolve the missing build dependencies:

```
<code>diff --git a/abs/core-testing/LinHES-config/xconfig.sh b/abs/core-testing/LinHES
index b2b95f3..414f16a 100755
--- a/abs/core-testing/LinHES-config/xconfig.sh
+++ b/abs/core-testing/LinHES-config/xconfig.sh
@@ -202,11 +202,13 @@ function setupX {
    then
        #install 96xx drivers
        echo "installing nvidia 96xx drivers"
+       pacman --noconfirm -Rd libgl > /dev/null 2>&1
        pacman --noconfirm -R $NVPKGS > /dev/null 2>&1
        pacman --noconfirm -S nvidia-96xx nvidia-96xx-utils > /dev/null 2>&1
    else
        #install latest drivers
        echo "installing current nvidia drivers"
+       pacman --noconfirm -Rd libgl > /dev/null 2>&1
        pacman --noconfirm -R $NVPKGS > /dev/null 2>&1
        pacman --noconfirm -S nvidia nvidia-utils > /dev/null 2>&1
    fi
</code>
```

This, of course, assumes I found the right xconfig.sh out of the several that appear in the repo.

07/23/2009 04:23 am - GregFrost

I have applied your patch to core-testing/LinHES-config/xconfig.sh, pushed the changes, built the package and kmsync'ed.

07/23/2009 10:26 am - Human

Thanks, Greg! Can you PM me how you resolved the build dependencies? I'll build an ISO and test today.

07/23/2009 04:35 pm - GregFrost

Im not sure what build dependency you mean? I was able to build LinHES-config without any issue relayed to ddcxinfo (although I did also try building that and was unable to).

07/23/2009 05:37 pm - Human

Your build environment must differ from mine in some way, then. Perhaps there are some manual steps I didn't perform that I needed to. Ideally, the build environment would do these things for me, but for now it's sufficient that someone was able to build the patched xconfig.sh :)

07/23/2009 10:32 pm - GregFrost

Have you tried pacman -S ddcxinfo? (although that should be installed)
Can you attach the error you are seeing that prevents you building LinHES-config?

07/24/2009 10:52 am - Human

I'll post a new ticket for ddcxinfo.

UPDATE: See FS#451

Files

xorg.conf	1.6 kB	07/09/2009	admin
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