



Dr.Paneas Blog

This is the personal blog and thoughts of Panos Georgiadis, who lives in Thessaloniki. Browse around to see my stuff or follow my

How to install new Catalyst 11.3 on Ubuntu

Posted by Panos Georgiadis on March 31, 2011

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The new Catalyst 11.3 are available for download. Follow my guide to install them on your Ubuntu 10.10 Maverick 64bit.

Preparation

First of all let's make some preparation. Please check if Restricted Repository is enabled, and if it's not please activate it. Ask how? Well, go to [Applications menu > Ubuntu Software Center > Edit > Software Sources](#) and search for the appropriate checkbox. Also make sure that Canonical Partners and Canonical Partners (Source Code) are already enabled or enable them (look for them at the [Other Software tab](#)).

Type afterwards:

```
sudo apt-get install build-essential cdbx fakeroot dh-make debhelper debconf
libstdc++6 dkms libqtgui4 wget execstack libelfg0 ia32-libs
```

Download and unpack the Catalysts

```
mkdir catalyst/11.3
cd catalyst/11.3
wget http://www2.ati.com/drivers/linux/ati-driver-installer-11-3-x86.x86_64.run
chmod +x ati-driver-installer-11-3-x86.x86_64.run
```

Remove prior installations

Ok, just in case you use open source Xorg Radeon driver, you need to get it off your system. Just type:

```
sudo apt-get remove --purge xserver-xorg-video-radeon
```

In case you are using older version of Catalyst, such as 11.2 run this command:

```
sudo apt-get remove --purge fglrx fglrx_* fglrx-amdccc* fglrx-dev* xorg-
driver-fglrx
```

Install the new Catalysts

First of all we need to create the appropriate *.deb packages for our distribution. It's a more convenient way and totally recommended by me. Please type:

```
sh ati-driver-installer-11-3-x86.x86_64.run --buildpkg Ubuntu/maverick
```

This command will use the Proprietary packager to generate *.deb packages just for your system. Cool, ah? Okay, now we have the packages ready, let's install them: `sudo dpkg -i fglrx*.deb`

Mess with the X

You need to edit your xorg.conf, which is the base of your X graphics system. Thank God, Catalyst makes help us with a magic trick.

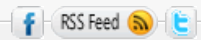
```
sudo aticonfig --initial -f
sudo aticonfig --input=/etc/X11/xorg.conf --tls=1
```

Just for curiosity or troublesome reasons, I give you me xorg.conf file. Check how it looks contrary to yours in case of trouble.

```
Section "ServerLayout"
Identifier      "aticonfig Layout"
Screen        0  "aticonfig-Screen[0]-0" 0 0
EndSection

Section "Module"
EndSection

Section "Monitor"
```



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```
Identifier "aticonfig-Monitor[0]-0"
Option "VendorName" "ATI Proprietary Driver"
Option "ModelName" "Generic Autodetecting Monitor"
Option "DPMS" "true"
EndSection
```

```
Section "Device"
Identifier "aticonfig-Device[0]-0"
Driver "fglrx"
Option "UseFastTTL" "1"
BusID "PCI:1:0:0"
EndSection
```

```
Section "Screen"
Identifier "aticonfig-Screen[0]-0"
Device "aticonfig-Device[0]-0"
Monitor "aticonfig-Monitor[0]-0"
DefaultDepth 24
SubSection "Display"
Viewport 0 0
Depth 24
EndSubSection
EndSection
```

New Blog Post: <http://wp.me/p1qJXE-X>
2 weeks ago


Reboot and enjoy new gaming experience on GNU/Linux 😊
Let me know if this is helpful for you 😊

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10 Comments.



[Alex](#) April 1, 2011 at 18:13

[Reply](#)

Good instructions but it did not work for me unfortunately. It could not find my adapter when I ran:

```
sudo aticonfig --initial -f
```

so I edited the xorg.conf manually and got a blank screen at boot. Tried many other tutorials but nothing seems to work for me on 10.10 with HD 3850 and Catalyst 11.3. The best I managed to get was a corrupted desktop with large squares on my 1080p screen. The default Ubuntu fglrx drivers work fine as do the open source Mesa drivers.

Any ideas?



[Panos Georgiadis](#) April 1, 2011 at 22:10

[Reply](#)

what kernel do you use ?
As far as I am concerned the new Cat-11.3 are not working with latest stable kernel, as such 2.6.38



[Alex](#) April 2, 2011 at 17:42

[Reply](#)

Kalispera Panos! Thanks for taking the time to respond. I tried it on my 64bit Ubuntu 10.10 install.

I just ran `uname -r` at the terminal and it shows I am currently running kernel 2.6.35-28-generic. Do you think this kernel is not compatible with version 11.3 Catalyst drivers?



[Panos Georgiadis](#) April 3, 2011 at 00:38

[Reply](#)

Hello my friend Alex.
I use the same version of kernel as yours: 2.6.35-28

Take your last shot and try to install Catalyst 11.2 instead of 11.3 😊



[Alex](#) April 3, 2011 at 02:03

[Reply](#)

Thanks Panos I will try when I get a chance and tell you if it works. Have you tried the anti-tearing feature of the newer drivers yet? Phoronix had an article about it:

http://www.phoronix.com/scan.php?page=article&item=amd_catalyst_111&num=1



Panos Georgiadis April 3, 2011 at 15:04

Reply

Yeah, it works indeed. I can see the difference. But yet it needs to be improved. My problem is that compiz cost me about 10fps on Unigine Benchmark 😞



zsoh April 3, 2011 at 04:14

Reply

Thanks Panos Georgiadis,
But it's not work for me with my ATI HD5650 on HP ENVY14. My kernel is 2.6.35-22-generic.
aticonfig : command not found.

Thanks



Panos Georgiadis April 3, 2011 at 15:09

Reply

It seems to me that you didn't install the fglrx driver properly. For example, type "ati" and then press Tab key from the keyboard.
This is my output:

```
paneas@ubuntubox:~$ ati
aticonfig atieventsd atiodcli atiode
```

As you can see, aticonfig is there. So, command found. Try to remove the drivers and then reinstall it.

Good luck zsoh 😊



zsoh April 4, 2011 at 17:48

Reply

ati + Tab => Nothing
I forgot to tell that ai32-libs package fail to install

Thanks.



zsoh April 5, 2011 at 19:54

Reply

Any ideas Dr Panos,
For why ai32-libs fail to install and how can I fix it befor try against.

Thanks

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