

THERE'S NO NEED TO USE ANY PATCH

**STEP1**

**REBOOT IN NON-XEN KERNEL IN TERMINAL**

```
sudo -s
vim /etc/inittab
change id:5:initdefault: to id:3:initdefault:
reboot
```

**STEP2**

**DOWNLOAD THE DRIVERS**

```
sudo -s
cd /usr/src/
wget http://us.download.nvidia.com/XFree86/Linux-x86\_64/177.80/NVIDIA-Linux-x86\_64-177.80-pkg2.run (32-bit)
wget http://us.download.nvidia.com/XFree86/Linux-x86/177.80/NVIDIA-Linux-x86-177.80-pkg1.run (64-bit)
```

**STEP3**

**INSTALL SOME PACKAGES FOR COMPILING THE DRIVERS**

```
/sbin/yast2 -install kernel-source gcc make
```

**STEP4**

**INSTALL THE DRIVERS IN THE NON-XEN KERNEL**

```
cd /usr/src/
sh NVIDIA-Linux-x86_64-173.14.12-pkg2.run -q
sax2 -r -m 0=nvidia
reboot
```

**STEP5**

**REBOOT IN XEN KERNEL AND MAKE CONFIG**

```
sudo -s
cd /usr/src/linux
cp arch/i386/defconfig.xen .config (32-bit)
cp arch/x86_64/defconfig.xen .config (64-bit)
make oldconfig && make scripts && make prepare
```

**STEP6**

**EXTRACT THE DRIVERS FOR XEN**

```
cd /usr/src/
sh NVIDIA* --extract-only
```

**STEP7**

**COMPILE THE DRIVERS**

```
cd /usr/src/NVIDIA*/usr/src/nv/
IGNORE_XEN_PRESENCE=y CC="gcc -DNV_VMAP_4_PRESENT -DNV_SIGNAL_STRUCT_RLIM" make SYSSRC=/usr/src/linux module
```

**STEP8**

**INSTALL AND PROBE THE DRIVERS**

```
JUST TO BE SURE WHAT'S YOUR XEN KERNEL VERSION <kernel-version> = uname -r
cp nvidia.ko /lib/modules/<kernel-version>-xen/kernel/drivers/video/
cd /lib/modules/<kernel-version>-xen/kernel/drivers/video/
depmod -a
modprobe nvidia
init5
```

**STEP 9**

**IF NOT XGL IS ENABLED DURING THE PROBE**

```
<control><Alt><F1>
init 3
gnome-xgl-switch --enable-xgl
init 5
```

**STEP10**

**OPEN TERMINAL**

```
sudo -s
vim /etc/inittab
change id:3:initdefault: to id:5:initdefault:
reboot
```