

Debian Squeeze Setup  
November 9th 2011

I will be installing Debian Squeeze with the 1st installation DVD. The first one is all I need for my needs. It gives me the basic Gnome desktop install and I'll add the rest later. On a second machine I used the netinstall from a usb stick. The process is the same. Lets start.

Put DVD in drive and boot/reboot machine. I choose the "install" option. There is a "Graphical install" but I prefer the old one. It's pretty much looks the same but I prefer the old one. A few screens with answers.

Select a language: English

Select your location: United States

Select a keyboard layout: American English

Configure the network:

Hostname: debiandesktop

I put debian desktop because this machine will be my main desktop. Command prompt will look like this terry@debiandesktop . Put whatever you want.

Domain name: \_\_\_\_\_

I leave this one blank.

Set up users and passwords:

Root password: \*\*\*\*\*(use a good password)

Re-enter password to verify: \*\*\*\*\*

Full name for new user: terry

Username for your account: terry

It auto filled that one.

Choose a password for the new user: \*\*\*\*\*

Re-enter password to verify: \*\*\*\*\*

Select your time zone: Central

Partition Disks:

Partitioning method:

"Guided – use entire disk" (my choice)

Select disk partition:

"select the partition"

Partitioning scheme:

"All files in one partition" (recommended for new users) (my choice)

This screen has the partitioning overview. If everything looks good, Select:

"Finish partitioning and write changes to disk."

Write changes to disk?:

"Yes"

Base system is installed/installing (Installing base system)

Configure the package manager

Your CD or DVD has been scanned: "More CD/DVD scanning options. We only have 1 DVD"

Scan another CD or DVD now?:

"No"

Use a mirror?:

"Yes"

Debian archive mirror country:

"United States"

Debian archive mirror:

"<ftp.uwsg.indiana.edu>"

HTTP proxy information (blank for none):

"blank"

Configuring popularity contest: "no"

Software selection:

\*Graphical desktop environment

\*SSH Server

\*Standard system utilities

45mins later...

Install the GRUB boot loader on a hard disk

Install the GRUB boot loader to the master boot record?:

"Yes"

Finish installation (disk is ejected)

"continue"

System Reboots

Log in!

## Debian Squeeze setup

First thing I do is open up Iceweasle and install xmarks. I use it to sync bookmarks.

### **\*\*Add myself to the sudoers list.**

Open up a terminal and type:

```
su
```

Then enter the root password.

Now in the terminal, type:

```
visudo
```

Now add your username to the list.

Under:

```
root    ALL= (ALL)  ALL
```

add

```
terry   ALL= (ALL)  ALL
```

It should look like this:

```
root    ALL= (ALL)  ALL
```

```
terry   ALL= (ALL)  ALL
```

Now press Ctrl +x and when prompted to save, press y. Then press Enter.

### **\*\*Add Repositories**

In a terminal type:

```
cd /etc/apt
```

Then type:

```
sudo gedit sources.list
```

Type your password.

Your sources.list file should look something like this:

```
# deb cdrom:[Debian GNU/Linux 6.0.1a _Squeeze_ - Official i386 DVD Binary-1 20110322-15:11]/ squeeze contrib main
```

```
deb cdrom:[Debian GNU/Linux 6.0.1a _Squeeze_ - Official i386 DVD Binary-1 20110322-15:11]/ squeeze contrib main
```

```
deb http://ftp.uwsg.indiana.edu/linux/debian/ squeeze main
deb-src http://ftp.uwsg.indiana.edu/linux/debian/ squeeze main
```

```
deb http://security.debian.org/ squeeze/updates main contrib
deb-src http://security.debian.org/ squeeze/updates main contrib
```

```
# squeeze-updates, previously known as 'volatile'
```

```
deb http://ftp.uwsg.indiana.edu/linux/debian/ squeeze-updates main contrib
deb-src http://ftp.uwsg.indiana.edu/linux/debian/ squeeze-updates main contrib
```

Change them to look like this:

```
# deb cdrom:[Debian GNU/Linux 6.0.1a _Squeeze_ - Official i386 DVD Binary-1 20110322-15:11]/ squeeze contrib main
```

```
#deb cdrom:[Debian GNU/Linux 6.0.1a _Squeeze_ - Official i386 DVD Binary-1 20110322-15:11]/ squeeze contrib main
```

```
deb http://ftp.uwsg.indiana.edu/linux/debian/ squeeze main contrib non-free
deb-src http://ftp.uwsg.indiana.edu/linux/debian/ squeeze main contrib non-free
```

```
deb http://security.debian.org/ squeeze/updates main contrib non-free
deb-src http://security.debian.org/ squeeze/updates main contrib non-free
```

```
# squeeze-updates, previously known as 'volatile'
```

```
deb http://ftp.uwsg.indiana.edu/linux/debian/ squeeze-updates main contrib non-free
deb-src http://ftp.uwsg.indiana.edu/linux/debian/ squeeze-updates main contrib non-free
```

```
# I added multimedia repo below
```

```
deb http://www.debian-multimedia.org squeeze main non-free
```

I put a # in front of the 2nd deb cdrom entry. We will not be updating from the CD/DVD rom drives. I also added “contrib non-free” to the end of all of the existing entries. I also added a multimedia repo. Check out this page <http://debian-multimedia.org>

There's one more step after the update.

Now hit “save” and close the document. Open a terminal and type:

```
sudo aptitude update
```

It complained about a key. In a terminal type:

```
sudo aptitude install debian-multimedia-keyring
```

When asked, type the word “yes”

Done!

### **\*\*Install flash**

In a terminal type:

```
sudo aptitude install flashplugin-nonfree
```

Done! Freedom hater!

Install DVD playback packages:

```
sudo aptitude install libdvdcss2 w32codecs
```

```
gststreamer0.10-lame gststreamer0.10-plugins-good
```

```
gststreamer0.10-plugins-bad gststreamer0.10-plugins-ugly
```

```
vlc
```

These are the individual packages in the previous string. Some might already be installed. I added a few extra that I like.

```
libdvdcss2
w32codecs
gstreamer0.10-lame
gstreamer0.10-plugins-good
gstreamer0.10-plugins-bad
gstreamer0.10-plugins-ugly
vlc
audacity
radiotray
convertall
chromium-browser
filezilla
handbrake-gtk
handbrake-cli
```

I'm now showing 15 updates available in the upper right notification area. I'll go ahead and let it do its thing. More in a bit.

Video Driver Installation (64 bit)  
nvidia GeForce 7300 GT / 7600 GS

I'm installing the 195.36.31.... driver because that's what's available in the repos.  
Using Synaptic Package Manager I installed:

nvidia-kernel-2.6.32-5-amd64	195.36.31+2+4+2.6.32-24	NVIDIA binary kernel module for Linux 2.6.32.5-amd64
nvidia-kernel-common	20100522+1	NVIDIA binary module support files
nvidia-glx		
nvidia-xconfig		

Then from a terminal I ran:

```
sudo nvidia-xconfig
```

Using X configuration file: "/etc/X11/xorg.conf".

VALIDATION ERROR: Data incomplete in file /etc/X11/xorg.conf.

At least one Device section is required.

Backed up file '/etc/X11/xorg.conf' as '/etc/X11/xorg.conf.backup'

New X configuration file written to '/etc/X11/xorg.conf'

I then rebooted. I usually get the NVIDIA splash screen during the boot. I didn't this time but I did verify that the driver is installed and working.

Now from Synaptic Package Manager I installed:

**nvidia-settings**

Your resolution should be set to auto which is the native resolution of the monitor. With the next command, you should be able to change that.

At a terminal type:

```
sudo nvidia-settings
```

to get to the **NVIDIA X Server Settings** window (GUI) to adjust settings. Everyones happy.... I hope.