

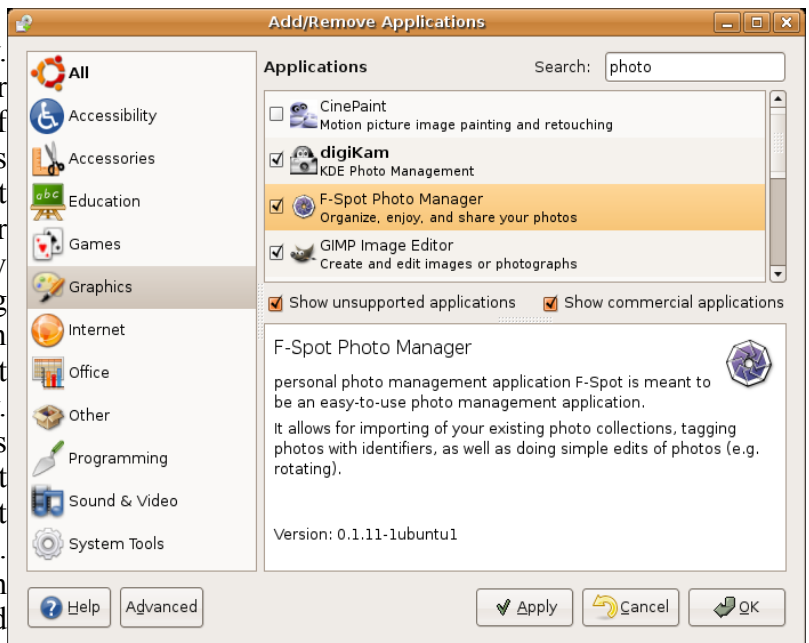
How to install additional software.

There are various ways to install *additional software* on your computer. I will go through the most common ones. First of, I would like to say that *Ubuntu* is based on the unstable version of another *Linux distribution* named *Debian GNU/Linux*, so *Ubuntu* uses the same great package system you get in *Debian GNU/Linux*, though *Ubuntu* has done some tweaks to make it even easier for new *GNU/Linux* users. Everything installed within the package manager will be update by the operating system so you will not have to worry about updates. I will go through *Add/Remove...*, *.DEB files*, *Synaptic Package Manager*, *sudo apt-get install [application]* and some additional information on helpful programs to install most common things as *codecs*, *graphical drivers* and so on, how to install *.RPM packages* that is used by *Red Hats* and a little bit about the *source code*.

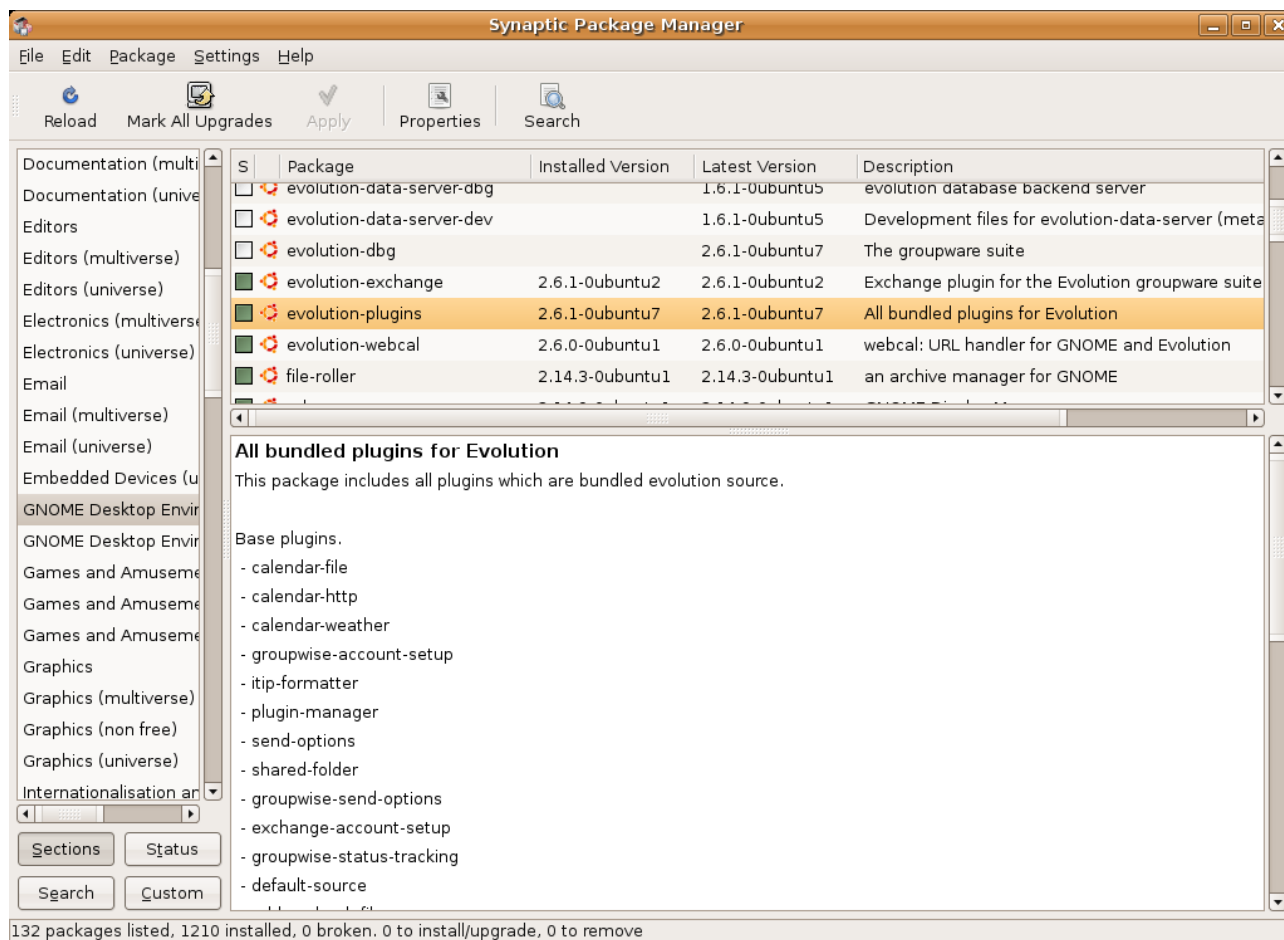
Add/Remove...

Add/Remove... is found in **Applications > Add/Remove...** and is probably the easiest and best way to search and browse for new application if you are new to *Ubuntu* and *Linux*. The picture below shows the *Add/Remove...* application.

Lets start on the *left* side of the window. Here you will see different *categories* for different applications, if you press one of these you will only see those programs that are in that category. On the top right side you will be able to *search* for programs, this is great if you know exactly what application you are looking for, be aware that if you have chosen something from the category list except *All*, you will only search in that category. When you click on any applications that is listed under *Search*, you will get additional information at the bottom right window on about the marked application. To install check the box to the left of each application you would like to install and choose *install* to install. For more help click *Help*, and to open up *Synaptic Package Manager*, also found in **System > Administration > Synaptic Package Manager**, click *Advance*. To show unsupported and commercial applications check the boxes in the Window.



Synaptic Package Manager



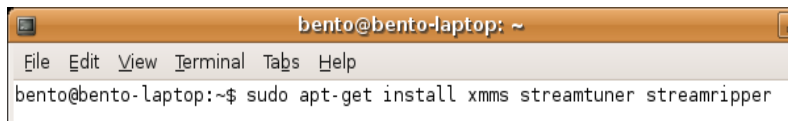
This is *Synaptic Package Manager*, a very advanced application to add additional software that can be found here **System > Administration > Synaptic Package Manager**. This has so many features that I am only going to tell a little of what you can do with it and live the rest up to you.

In the bottom you have *Section*, *Status*, *Search* and *Custom*. This is different ways of browsing packages, the window on the left side will change to suit the different categories. The Window on the bottom right gives you additional information about the highlighted package. When you click one of the boxes you will be given different options about what you want to do with the package, e.g. install or remove.

The *Reload* icon under the menu bar reloads the package information, you must do so when you add repositories to get packages and information. Repositories is like an address to search for more packages. There are four repositories by the default, and two that are opened. Open **Settings > Repositories**, click add and check the two unchecked boxes to add them, then click *reload*. It is wise not to play around with repositories if you do not know what you are doing, so you should leave it like that, but feel free to experience if you do not mind spending some time to fix things.

the terminal - sudo apt-get install [application]

In Linux, the terminal can be a great, fast and easy way to get things done if you only know how. The Terminal is located under Applications > Accessories > Terminal. you should be careful with what you are typing here as root, with “sudo” in front of the command that is.



This command will install xmms, streamtuner and streamripper if you have added the repositories as told earlier.

There are several commands for searching, deleting and so on as well:

To update package list:

```
sudo apt-get update
```

To upgrade to the newest packages (the same as updating your system described “updates”):

```
sudo apt-get upgrade
```

To install packages:

```
sudo apt-get install package
```

Remove packages:

```
sudo apt-get remove package
```

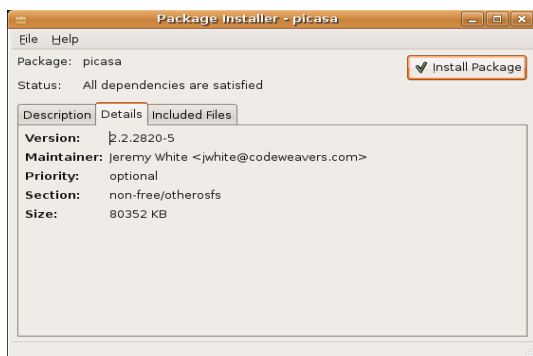
To search and get a short description of packages found:

```
apt-cache search package
```

For more detailed description of a package:

```
apt-cache show package
```

use of .DEB



.DEB files act pretty much as *setup/install.EXE* files in Windows. If there is something that you does not find in the package menu, then look for the *.DEB file* if you have to download something down from your browser. Why not try to install *Picassa* from *Google*? You can find it here: <http://picasa.google.com/linux/download.html>, be sure to get the *Debian/Ubuntu x86 version* of *Picassa*. Double click the downloaded icon and a window that looks like this (left) will be showed. Click *Install Package* if all dependencies are met, they should be.

The terminal - the use of dpkg (.DEB)

How to install a .DEB file:

```
sudo dpkg -i package.deb
```

Remove package:

```
sudo dpkg -r package
```

Show list of files associated with a package:

```
sudo dpkg -L package
```

Find package version:

```
sudo dpkg -l package
```

Extract .deb-file:

```
sudo dpkg -unpack package.deb
```

Finne ut hvilken pakke fil er i:

```
dpkg -S fil
```

Show information to the package:

```
dpkg -p package
```

Remove configuration files etc. to a package:

```
dpkg --purge package
```

The easiest way!

When you are new to another system, it can be hard to know what the name of the *graphical driver*, what kind of *codecs* you should install, and where to find the most *common applications*. *Automatix* and *EasyUbuntu* is two such programs that install a lot of neat stuff for you. The picture is from *Automatix*, it works like the same way as *EasyUbuntu* and *Add/Remove*...

To find out more about installation and additional information go to these two pages:

Automatix:

<http://getautomatix.com/>

EasyUbuntu:

<http://easyubuntu.freecontrib.org/>

