

This howto/script is a way to run the 32bit firefox on the amd64 version of Ubuntu. That way all plugins will work. The script works on Dapper, Edgy, Feisty, Gutsy, and Hardy. It is recommended that you use the script to install vs the howto. The script will be the most up to date. The howto is left in place so those with installs can trouble shoot if minor problems arise.

Well enough chatter, on to the howto

Automated Install

This page will be making more than just Firefox available. To do that some changes were necessary. First you need to make sure the repositories are enabled.

Second, install the Base-plugin script

The browser install files below can install other Firefox variants and are also used to upgrade to new versions.

If you don't want to use a script the howto still works.

You need to make sure the universe and multiverse are enabled before installing anything. If you are using Kubuntu look here.

Kubuntu go users may have to install ia32-libs-gtk through Adapt.

Browser Install Script (Updated 4/27/08)

This script allows you to choose the browser you want to install from the ones on this page. It also lets you choose if you want to install the plugins by asking before the plugin is installed. You only have to run this script once. The script needs to be ran from the folder that extracts. That folder should also be on your Desktop. After running this script once you can install any of the other browsers below by double clicking on its deb file.

****I have just created a new script with all new versions, including Swiftweasel. The new script will work on Dapper, Edgy, Feisty, Gutsy, and Hardy.

Firefox 2.0.0.14 (updated 4/27/08)

This is the famous Firefox browser. The binaries are from Mozilla and not repackaged Ubuntu files.

This Firefox32 .deb file will update previous installs to 2.0.0.14

The deb's below are for upgrading or adding Firefox as a second browser after running the install script. Do not install the deb by itself.

Firefox32 deb (Dapper-Feisty).

Firefox32 deb (Gutsy-Hardy).

Swiftweasel 2.0.0.14 (updated 4/27/08)

This is a new project I recently was told about. It is an optimized build of the Mozilla Firefox code with free branding. The person running the project even made the deb file for me. Please go to its web site and take a look for yourselves.

The deb's below are for upgrading or adding Swiftweasel as a second browser after running the install script. Do not install the deb by itself.

This version is built on Ubuntu according to its build config. I plan on adding it to the install script as a main option. But you can download it now and install it if you want. There is now a version for Gutsy-Hardy and Dapper-Feisty.

Gutsy-Hardy

[for Intel processors](#) and [one for AMD](#).

Dapper-Feisty

[for Intel processors](#) and [one for AMD](#).

Repository

[Swiftweasel also has a repository](#). After adding the repository if you installed debs with the script or downloaded them from this page. You may have to uninstall swiftweasel and reinstall it in synaptic to get automatic updates.

IceCat 2.0.0.12 (Updated 4/27/08)

Due to some non free things that are in Firefox and restrictions Mozilla places on its binaries. The GNU.org has made a totally free (as in beer and freedom) compile of the Firefox code. I have made deb files of it in case you want to use it. It is a lot faster than the normal Firefox builds. Originally named Iceweasel, it is now named IceCat.

The deb's below are for upgrading or adding Iceweasel as a second browser after running the install script.

[IceCat32 2.0.0.12 \(Dapper-Feisty\) deb file.](#)

[IceCat32 2.0.0.12 \(Gutsy-Hardy\) deb file.](#)

Flock 1.1.1 (updated 4/11/08)

Flock is a fork of Firefox that adds a lot. It offers blogging and picture tools. It is released under the GPL and is Free as in freedom and as in beer.

The deb's below are for upgrading or adding Flock as a second browser after running the install script.

[Flock32 1.1.1 \(Dapper-Feisty\) deb file.](#)

[Flock32 1.1.1 \(Gutsy-Hardy\) deb file.](#)

Manual Howto

You need to make sure the universe and multiverse are enabled before installing anything. [If you are using Kubuntu look here.](#)

The Howto should not be used on Gutsy or Hardy.

First we need to make sure some packages are installed. Open a terminal and enter the following Code:

```
sudo apt-get install ia32-libs lib32asound2 lib32ncurses5 ia32-libs-sdl  
ia32-libs-gtk gsfonst gsfonst-x11 linux32
```

Firefox

Firefox is a great browser, unfortunately the 32 bit plugins don't work in the 64 bit version that Synaptic installs to 64 bit Dapper. We will be setting up 32 bit Firefox and then the plugins. You can pick and chose what plugins you want. If you don't want one you don't have to install it.

Download any of the browser deb files above. I totally recommend Swiftweasel Then download the [ia32-lib-firefox-amd64](#) packages save them to your desktop.

Double click on ia32-lib-firefox and let Gedebi install it first then do the same with the browser

deb you selected from above.

Flash 9

Macromedia has released the Flash 9. There is a plugin and a stand alone player. This section of the howto will deal with installing the flash 9 plugin. [So download flash 9 the plugin first.](#) and save it to your desktop.

If you have flash 7 installed we will first move the flash 7 files in case we ever want to use them again.

Code:

```
sudo mkdir /usr/local/firefox32/plugins/flash7
sudo mv -f /usr/local/firefox32/plugins/flashplayer.xpt
/usr/local/firefox32/plugins/flash7/
sudo mv -f /usr/local/firefox32/plugins/libflashplayer.so
/usr/local/firefox32/plugins/flash7/
```

The flash 9 plugin will come in a tar file. The files name install_flash_player_9_linux.tar.gz .

Code:

```
cd ~/Desktop
tar -xzvf install_flash_player_9_linux.tar.gz
sudo mv -f ~/Desktop/install_flash_player_9_linux/libflashplayer.so
/usr/lib32/firefox32/plugins
sudo mv -f ~/Desktop/install_flash_player_9_linux/flashplayer.xpt
/usr/lib32/firefox32/plugins
```

Finally to make sure sound works with flash use this command, make sure to change <username> to your username.

Code:

```
chown -R <username>:users /home/<username>/.macromedia
```

Then download and double click on [this package](#) to install it.

If you are still haveing problems try this

Code:

```
sudo ln -s /usr/lib/libesd.so.0 /usr/lib/libesd.so.1
```

and

Code:

```
sudo apt-get install alsa-oss
```

To test Flash restart your browser then [Visit Here](#)

Java

We will be installing Sun's Java. The only version we have to use is Java 6. I personally dont like java 6 as it seems buggy to me. But if you must, here is how to install it. Be aware that I will not be offering support for java 6 installs at this time.

First we need to get [Java](#) On that page download the "Linux (self-extracting file)" package. You do not want the 64 bit package. You may have to edit the commands below if the file name has

changed.

First, If you are upgrading an already existing install

Code:

```
sudo rm -rfd /usr/lib32/java32
```

Then you can start the install.

Code:

```
cd ~/Desktop
sudo bash
chmod 777 ./jre-6u2-linux-i586.bin
./jre-6u2-linux-i586.bin
```

You will have to agree to the EULA, then it will extract to your desktop.

We will now install it

Code:

```
mkdir /usr/local/java32
cp -r -p ./jre1.6.0_02/* /usr/local/java32
cd /usr/lib32/firefox32/plugins/
ln -s /usr/local/java32/plugin/i386/ns7/libjavaplugin_oji.so ./
```

Restart Firefox and go [HERE](#) to test Java.

If your browser locks up/crashes verifying this will fix it. Change <username> to your username.

Code:

```
sudo chown -R <username>:users /home/<username>/.java
sudo chown -R <username>:users /usr/lib32/firefox32/plugins/
```

Feisty

Feisty will require you to do some extra setup. You do not have to do this if you are installing to Dapper or Edgy.

Download the [gtk-qt-engine package](#) to your desktop.

Open a terminal

Code:

```
cd ~/Desktop
sudo dpkg -x gtk-qt-engine_0.71~svn20070224-0ubuntu3_i386.deb ~/Desktop
sudo cp ~/Desktop/usr/lib/gtk-2.0/* /usr/lib32/gtk-2.0
sudo mkdir /usr/lib32/kde3
sudo cp ~/Desktop/usr/lib/kde3/* /usr/lib32/kde3
sudo rm -rfd ~/Desktop/usr
```

Other Plugins

I will be adding other plugins over time. This will help make this a one stop howto for setting up 32 bit Firefox on AMD64.

Adobe Acrobat

Adobe Acrobat is a .pdf viewer. It is possible to have it open .pdf files inside Firefox. But its a memory hog, isn't free as in freedom, and isn't necessary as Ubuntu has pdf viewers installed by default. But it is free as in beer and some people need it in some cases.

First off download [Adobe Acrobat](#) and save it to your desktop or move it there if you have files

saved to another location.

Code:

```
cd ~/Desktop
tar -xzf AdobeReader_enu-7.0.5-1.i386.tar.gz AdobeReader
cd ~/Desktop/AdobeReader
sudo ./INSTALL
```

It will tell you how much space it will use and the path it will install to , press Enter

It will say the directory doesn't exist do you want it to make one, press y

It will ask if you want to install the plugin, press y

It will ask if you want the automatic install , press n

It will ask if you want to do a manual install, press y

It will give you 3 choices, pick 2. Perform user-specific installation (Mozilla/Firefox/Netscape)

It will install the plugin, and bring you back to the 3 choices, choose 3. Quit

The plugin is installed, restart Firefox. When you next try to open a pdf you may get an error, dont worry, click ok. Then it will ask you to agree to an EULA. Then it will open Acrobat up in Firefox.

If you already have Adobe Acrobat installed or something goes wrong try this. Make sure to change <username> to your username.

Code:

```
sudo cp -r -p /usr/local/Adobe/Acrobat7.0/Browser/intellinux/nppdf.so
/usr/lib32/firefox32/plugins/
sudo chown -R <username>:users /usr/lib32/firefox32/plugins/nppdf.so
```

If you keep getting a "PPKLight" error, this command will solve it. The file is not nessasary and causes errors.

Code:

```
sudo rm /usr/local/Adobe/Acrobat7.0/Reader/intellinux/plugin/PPKLite.api
```

Mplayer

[Download the installer for this plugin.](#) It has a Dapper and Edgy install. Please do not install to Fiesty or Gutsy, install main script instead. Follow the instructions in the redmem file.

Restart Firefox

[Visit here](#) to see if it works.

How to get Help

This Thread is over 100 pages long, it is quite old. In order to make the best use of my time I have decided to write some guidelines.. If you dont read this section and dont provide the information I may not be able to help you.

1. If you notice a problem after install close all browsers. Only start the 32bit version and see if the problem is still there.
2. Turn off all desktop effects (Beryl, compiz and compiz fusion) and restart the browser.
3. If the problem remains go over the manual howto steps to make sure everything is as it should be.
4. Apply the fixes in the common problems area.

If the problem continues. Do not PM me. Make a post. In the post make a short description of

what isnt working. Also provide this information

1. What you are running (Ubuntu/Kubuntu/Xubuntu)
2. Your version of (Ubuntu/Kubuntu/Xubuntu)
3. The exact name of the tar.gz file you downloaded.
4. Open the Browser, click Help then About Firefox. Copy the bottom section starting with "Mozilla/5.0" and paste it into the reply.
5. Provide the reply to

Code:

```
ls -al /usr/lib32/firefox32/plugins
```

6. If its a Flash issue

Code:

```
/ls -al /usr/lib/mozilla/plugins
```

Common Problems

IF YOU HAVE ANY PROBLEMS CHECK THE SECTIONS FOR FIXES TO COMMON PROBLEMS. If you make a post requesting help please state if you followed the howto or installed the script, also list all steps you have made to try and correct the problem.

Error 1

Code:

```
ERROR: ld.so: object '/usr/lib32/libpangohack.so.0' from LD_PRELOAD cannot be preloaded: ignored.
```

Ignore this error.

If a plugin doesnt seem to work, and typing

Code:

```
about:plugins
```

in the address bar of the browser dose not list them try this making sure to replace USERNAME in the following command with the name you use to login with.

Code:

```
sudo chown -hR USERNAME:users /usr/lib32/firefox32/plugins
```

Email

You must setup what program is called for some things. There is [a post on the settings for email](#) here, and this one is for [making the "open" in the downloads window to work](#) . untill I have time to expand it a little.

Unmet Dependencies ia32-libs

Users with any of the following errors during install are [directed to this post](#).

The ***** in rthe following error is a wildcard that represents any package name.

Code:

```
The following packages have unmet dependencies:  
*****: Depends: ***** but it is not going to be installed
```

or

Code:

```
***** depends on ia32-libs; however:  
Package ia32-libs is not installed.
```

Printing

[This post](#) may be able to help users print from the browsers in this howto. Printing from 32bit browsers is not supported by this howto. If this link dose not help you print to a file, then open the file and print it.

Other Languages.

The Firefox32 howto can not guarantee support for other languages. But Ubuntu user tkrisz has a solution to the languages problem that has worked so far. [See his post for further details.](#)

Sound

If you have tried all the other fixes for sound in flash. Close all browsers and open programs.

Open a terminal and type in

Code:

```
killall esd
```

Then start Firefox and see if flash has sound. If it dose you may have to do this to make sure that other applications are not using the sound card.

Appearance

Some themes may look bad, especially for users running KDE. [This deb may help.](#) After installing you will need to restart the browser. Also please realize, Firefox32 is created, built, and maintained by a user, not a developer. The whole purpose of Firefox32 is to make plugins work, not to make it blend into the system. That may be beyond my ability. Minor differences in the appearance of Firefox 32 vs the 64bit browser the developers completely integrated are to be expected.

If you would like to complain, please direct your complaints to the Ubuntu developers who refuse to offer a 32bit browser to 64bit users and expect 64bit users to use a browser without plugins.

Feisty common problems

Some people who install the Feisty script will find that the browser and other 32bit applications cant access the internet. This is because of ipv6 support. It is possible to disable ipv6 and everything will work (to me it seems faster to).

for ubuntu

1. gksudo gedit /etc/modprobe.d/aliases
2. Comment out this line: alias net-pf-10 ipv6
3. Save the file

- 4.gksudo gedit /etc/modprobe.d/blacklist
- 5.Add this line: blacklist ipv6
- 6.Save the file and restart your computer

for kubuntu

- 1.kdesu kate /etc/modprobe.d/aliases
- 2.Comment out this line: alias net-pf-10 ipv6
- 3.Save the file
- 4.kdesu kate /etc/modprobe.d/blacklist
- 5.Add this line: blacklist ipv6
- 6.Save the file and restart your computer

You must reboot for changes to take effect.

Another Feisty Error that I have seen a few times is this one.

Code:

```
Gtk-WARNING **: Locale not supported by C library.Using the fallback 'C' locale.
```

To fix it, [Go Here](#) and download the ia32-libs-gtk package, double click on the .deb file and let gdebi install it. Afterwards please rerun the install script as half the packages did not install because this dependancy was not installed.

Error 2

Code:

```
/usr/local/firefox32/firefox-bin: error while loading shared libraries:  
libgobject-2.0.so.0: cannot open shared object file: No such file or  
directory
```

[Go here](#) and [here to download](#) the packages to make sure they are installed.

Hardy Issues

Since the 3.0 beta and Firefox32 share a settings folder. Those that install the 32bit Firefox32 bay have to disable ipv6. This is not an issue with the Swiftweasel packages.

In the address bar type

Code:

```
about:config
```

In the filter type ipv6, right click on the line that says network.dns.disableIPv6 and select toggle. Restart the Firefox browser.