

Contents [XML Editors for Linux](#) [Open Source Web Page Creation](#) [General Notes](#) [Burning CDs on Fedora Core RPMs](#) [Default ConsoleGentoo Stuff](#) [Slackware Stuff](#) [Creating a Grub Boot Floppy](#) [Cups, Samba and Windows printing](#) [Radeon 9800 and fglrx](#) [Ubuntu Backports](#) [Mount ISO over loopback](#) [Nvidia Legacy Drivers](#) [Clean old packages out of Gentoo](#) [Set web file and dir permissions](#) [Extract Partial File From Incomplete Set of RARs](#)

XML Editors for Linux

<http://www.conglomerate.org/>
<http://kxmleditor.sourceforge.net/>

Open Source Web Page Creation

Had a go at creating a website today. This is something I've done before, but this time I set myself the goal of using open standards and open source software wherever possible. My tools of choice today were The Gimp? and Sci TE?. It took me about three hours to get half a page up (<http://www.boogdesign.com/design.html>), which is about 6 times longer than I'd be expecting it to take, but a good proportion of that turned out to be fiddling with the CSS. I got on OK with The Gimp? once I figured out that most of the useful operations came from right clicking the image and not looking in the main menu, including turning the layers palette on.

Of course afterwards I tested it on Windows IE, all those beautiful PNG with alpha channel transparency come out as large black rectangles :(

Please help harrass M\$:

<http://www.petitiononline.com/msiepng/petition.html>

<http://people.brandeis.edu/~peelle/png/>

Update [IE7 has native support for alpha transparency in PNGs](#), though [there's some controversy about exactly how native it is](#)

General Notes

Setting global variables:

Edit /etc/profile

Changing run levels:

init [runlevel]

Changing running services (at current runlevels):

ntsysv

Set system default run level:

Edit /etc/inittab

Find out why you can't eject the CDROM:

/sbin/fuser -m /mnt/cdrom

Eject the CDROM:

eject -rv

Burning CDs on Fedora Core

The command is:

cdrecord dev=/dev/hdd speed=-1 driveropts=burnfree -dao [FILE.ISO]

Fedora cdrecord differs from the standard in that the device is specified in IDE style rather than the 0,1,0 bus numberings of the original.

RPMs

Build an rpm from a src.rpm:

rpmbuild --rebuild name.of.src.rpm

Default Console

Switch out of X Windows by pressing Ctrl-Alt-F1 (or F2, F3 etc), switch back (on Fedora) with Ctrl-Alt-F7

Gentoo Stuff

After doing massive damage to your system by upgrading from stable to ~x86, a handy command is revdep-rebuild

Slackware Stuff

If you're going to mount multiple partitions into your filesystem on the initial install then make sure you create the mountpoints on the root disk in another console after formatting.

Creating a Grub Boot Floppy

```
[root prompt]# fdformat /dev/fd0H1440 [root prompt]# /sbin/mke2fs /dev/fd0 [root prompt]# mount -t ext2 /dev/fd0 /mnt/floppy [root prompt]# /sbin/grub-install --root-directory=/mnt/floppy '(fd0)' [root prompt]# cp /boot/grub/grub.conf /mnt/floppy/boot/grub/grub.conf [root prompt]# umount /mnt/floppy
```

Cups, Samba and Windows printing

If you're having trouble printing anything from Windows to your Cups printer shared through Samba, see if you're getting stuff like this in your error_log:

```
E [26/Jan/2005:05:04:42 +0000] print_job: Unsupported format 'application/octet-stream'! I [26/Jan/2005:05:04:42 +0000] Hint: Do you have the raw file printing rules enabled?
```

If so, check the two files mime.convs and mime.types in /etc/cups - there is a line at the end of each referring to application/octet-stream, both must be uncommented for printing to work from Windows.

Update - [You can print from XP direct to a CUPS shared printer](#), I know the link is for Ubuntu, but it works just the same for the FC6 box I have at home.

Radeon 9800 and fglrx

Don't use the Livna RPM - use the stock ATI ones, but otherwise follow this advice:

<http://www.stanford.edu/~fenn/linux/radeon.shtml>

<http://dries.studentenweb.org/apt/packages/gambas/info.html>

Update - I've now switched to the Livna RPMs, because I realised 3D acceleration wasn't working and I couldn't compile the fglrx kernel module with the ATI RPM, turns out I couldn't with the Livna RPM either, there's an issue with the 2.6.11 kernel, so I've switched back to 2.6.10 and kept the Livna versions because it's late...//

Further update - now with FC5 the new kmod packages from Livna are by far the most convenient method of dealing with ATI drivers

Ubuntu Backports

<http://backports.ubuntuforums.org/>

Mount ISO over loopback

```
mount file.iso /mount/point -t iso9660 -o loop
```

Nvidia Legacy Drivers

I've just run into a problem trying to install the latest Nvidia drivers onto White Box 4 on my machine at work (an IBM Net Vista?) which has an on board Vanta. When I ran the installer I got a message saying that my GPU wasn't supported by this version of the driver, and I should look for 'Nvidia Legacy Drivers' instead and providing a URL. Only problem being, there were no 'legacy drivers' anywhere on the website. I

eventually figured out, from a post on the Ubuntu forums, that I should just install an older version of the normal driver - 7174 in my case.

Update - Note that Gentoo now has a package `nvidia-legacy-drivers` which replaces the old `nvidia-kernel` and `nvidia-glx` ebuilds

Clean old packages out of Gentoo

To unmerge older duplicate versions of packages you have installed use the following command:

```
emerge -Pv
```

Note that this will remove all your old kernel packages as well as a number of builds in slots which are actually needed (like different versions of automake), but it should be simple enough to install them again afterwards with a `-uD`.

Set web file and dir permissions

To change all directories to `rxr-xr-x` :

```
find . -type d -print | xargs chmod u=rwx,g=rx,o=x
```

To change all files to `rxrr` :

```
find . -type f -print | xargs chmod u=rwx,g=r,o-rwx
```

Extract Partial File From Incomplete Set of RARs

```
rar e -kb &lt;filename&gt;
```