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Handy Linux Commands

By [Roger Keays](#), 31 July 2008

Images

Resize images:

```
$ mogrify -resize 50% *
```

Replace/attach image colour profile:

```
$ mogrify -profile ~/etc/argb.icc *
```

Lossless jpeg rotation based on EXIF data:

```
$ exifautotran *
```

Set the modification date of a photo based on EXIF data:

```
$ jhead -ft *
```

Audio

Fix Canon WAV files:

```
$ ffmpeg -acodec copy -i file.wav file2.wav
```

Video

Capture from video in (ffmpeg):

```
$ ffmpeg -ac 2 -ar 48000 -f oss -i /dev/dsp -s 720x576 -r 25 -f video4linux2 -i
```

Capture from video in (mencode):

```
$ mencoder tv:// -tv driver=v4l2:width=720:height=576:normid=4:input=0:fps=25:1
```

Convert mjpeg to mpeg4:

```
$ ffmpeg -i file.avi -r 27 -qscale 6 -ab 128K -vcodec mpeg4 file.b.avi
```

Convert directory of mjpgs to mpeg2 and retain creation dates:

```
$ for i in *.avi; do ffmpeg -i $i -r 27 -ab 128K -sameq -vcodec mpeg2video ${i%.avi}.mpg2; done
```

Convert ogg vorbis to flash video ([requires mp3 support](#)):

```
$ ffmpeg -i file.ogv -sameq file.flv
```

Filesystem

Loop over a list of files which contain spaces:

```
$ ls -1 | while read x; do echo $x; done
```

Convert absolute symlinks to relative ones (must be run twice):

```
$ symlinks -c -s .
```

```
$ symlinks -c -s .
```

Sync home dir with external hard drive:

```
$ rsync --delete --exclude ".*" --exclude Bureau --exclude tmp \
    -av /home/roger/ /media/disk
```

Convert DOS text file to UNIX:

```
$ apt-get install tofrodos
```

```
$ dos2unix {file}
```

Web

Download a website for offline reading:

```
$ wget -E -p -r -l inf -np -k http://www.example.com
```

Programming

Edit a log message:

```
$ svn propedit svn:log svn+ssh://svn.ninthavenue.com.au/blah -r11 --revprop
```

Import an upstream release (e.g. fckeditor):

```
~/fckeditor $ svn import svn+ssh://svn.ninthavenue.com.au/apps/fckeditor/tags/2.6.0
```

Merge custom changes into new upstream release:

```
~ $ svn co svn+ssh://svn.ninthavenue.com.au/apps/fckeditor/branches/2.6.0-webcc
```

```
~ $ cd fckeditor
```

```
~/fckeditor $ svn merge svn+ssh://svn.ninthavenue.com.au/apps/fckeditor/tags/2.6.0
```

Install / add a jar file into maven:

```
mvn install:install-file -Dfile=jboss-el-2.0.1.jar -DartifactId=jboss-el -DgroupId=jboss
```

Bash

While loop:

```
#!/bin/sh
i=0
while [ x -lt 5 ]
do
    # do something
    i=`expr $i + 1`
done
```

About Roger Keays



Roger Keays is an artist, an engineer, and a student of life. He has no fixed address and has left footprints on 40-something different countries around the world.

Roger is addicted to surfing. His other interests are music, psychology, languages, the proper use of semicolons, and finding good food.