# THE ONE PAGE *LINUX* MANUAL

## A summary of useful Linux commands

## Starting & Stopping

| | |
|---|---|
| shutdown -h now | Shutdown the system now and do not reboot |
| halt | Stop all processes - same as above |
| shutdown -r 5 | Shutdown the system in 5 minutes and reboot |
| shutdown -r now | Shutdown the system now and reboot |
| reboot | Stop all processes and then reboot - same as above |
| startx | Start the X system |

## Accessing & mounting file systems

| | |
|---|---|
| mount -t iso9660 /dev/cdrom /mnt/cdrom | Mount the device cdrom and call it cdrom under the /mnt directory |
| mount -t msdos /dev/hdd /mnt/ddrive | Mount hard disk  d  as a msdos file system and call it ddrive under the /mnt directory |
| mount -t vfat /dev/hda1 /mnt/cdrive | Mount hard disk  a  as a VFAT file system and call it cdrive under the /mnt directory |
| umount /mnt/cdrom | Unmount the cdrom |

## Finding files and text within files

| | |
|---|---|
| find / -name  fname | Starting with the root directory, look for the file called fname |
| find / -name ”*fname*” | Starting with the root directory, look for the file containing the string fname |
| locate missingfilename | Find a file called missingfilename using the locate command - this assumes you have already used the command updatedb (see next) |
| updatedb | Create or update the database of files on all file systems attached to the linux root directory |
| which missingfilename | Show the subdirectory containing the executable file  called missingfilename |
| grep textstringtofind /dir | Starting with the directory called dir , look for and list all files containing textstringtofind |

## The X Window System

| | |
|---|---|
| xvidtune | Run the X graphics tuning utility |
| XF86Setup | Run the X configuration menu with automatic probing of graphics cards |
| Xconfigurator | Run another X configuration menu with automatic probing of graphics cards |
| xf86config | Run a text based X configuration menu |

## Moving, copying, deleting & viewing files

| | |
|---|---|
| ls -l | List files in current directory using long format |
| ls -F | List files in current directory and indicate the file type |
| ls -laC | List all files in current directory in long format and display in columns |
| rm name | Remove a file or directory called name |
| rm -rf name | Kill off an entire directory and all it s includes files and subdirectories |
| cp filename /home/dirname | Copy the file called filename to the /home/dirname directory |
| mv filename /home/dirname | Move the file called filename to the /home/dirname directory |
| cat filetoview | Display the file called filetoview |
| man -k keyword | Display man pages containing keyword |
| more filetoview | Display the file called filetoview one page at a time, proceed to next page using the spacebar |
| head filetoview | Display the first 10 lines of the file called filetoview |
| head -20 filetoview | Display the first 20 lines of the file called filetoview |
| tail filetoview | Display the last 10 lines of the file called filetoview |
| tail -20 filetoview | Display the last 20 lines of the file called filetoview |

## Installing software for Linux

| | |
|---|---|
| rpm -ihv name.rpm | Install the rpm package called name |
| rpm -Uhv name.rpm | Upgrade the rpm package called name |
| rpm -e package | Delete the rpm package called package |
| rpm -l package | List the files in the package called package |
| rpm -ql package | List the files and state the installed version of the package called package |
| rpm -i --force package | Reinstall the rpm package called name having deleted parts of it (not deleting using rpm -e) |
| tar -zxvf archive.tar.gz or tar -zxvf archive.tgz | Decompress the files contained in the zipped and tarred archive called archive |
| ./configure | Execute the script preparing the installed files for compiling |

## User Administration

| | |
|---|---|
| adduser accountname | Create a new user call accountname |
| passwd accountname | Give accountname a new password |
| su | Log in as superuser from current login |
| exit | Stop being superuser and revert to normal user |

## Little known tips and tricks

| | |
|---|---|
| ifconfig | List ip addresses for all devices on the machine |
| apropos subject | List manual pages for subject |
| usermount | Executes graphical application for mounting and unmounting file systems |