UNIX/LINUX REFERENCE CARD

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Basic File and Directory Manipulation
ls List directory contents
cpCopy files
mvMove/rename files
rmRemove files
shredDestroy data in files
lnLink files
cdChange directory
pwd Print present working directory
mkdirMake directory
rmdirRemove directory
File Viewing
catConcatenate files and print to stdout
more Page through files
less Page through files
nl Number lines of files
od Prints file in octal and other formats
File Text Manipulation
grepSearch text for matching patterns
cutRemove sections from each line of files
pasteMerge lines of files
tr Translate or delete characters
joinJoin lines of files on a common field
splitSplit file into pieces
csplit Split file into sections by context lines
sort Sort lines
uniqRemove duplicate lines from sorted file
fmtSimple optimal text formatter
File Properties
statDisplay file status
wcCount bytes/words/lines
wc Count by tes/ words/ filles

du..... Estimate disk usage

file Manipulate file attributes touch Change file timestamps

File and Commands Legation and Halp
File and Commands Location and Help
find Locate files locate Locate files via index
which Locate commands
aproposLocate commands by keyword lookup
man Find and display online help page
whereis Locate bin, src and man files for command
File Compression
gzip
bzip2Compress/decompress files (BWT)
[un]zip (De-)Compress files (PKZIP compatible)
can just the design of the companies
File Comparison and Patching
diffCompare files line by line
patchApply changes from a diff file
comm
cmpCompare files byte by byte
md5sumCompute and check MD5 message digest
Disks and Filesystems
· · · · · · · · · · · · · · · · · · ·
df
fcsk
syncSynchronizes filesystem buffers and disk
quotaCheck disk quota for current user
Backups and Remote Storage
mtControl a tape drive
dumpBack up a disk
restore
tarRead/write (compressed) tape archives
rsyncMirror a set of files
dar Archive a disk
William Control of the control
Environment
env
echo
exportWrite environment variables (Bash)
export write environment variables (Bash)

set Write environment variables with more options

Scheduling Jobs sleep......Delay for specified time watch.....Run programs at set intervals at Schedule a job crontab.....Schedule repeated jobs for cron expect....Automates tasks using interactive programs Printing lpr.....Print files lpq View print queue lprm.....Remove print jobs Processes ps List all processes w.....List users' processes uptime......View system uptime top......Monitor processes xload.......Monitor system load kill Terminate processes nice.....Run process with modified priority Hosts uname Print system information hostname Print the system's hostname ifconfig.....Set/display network information host.....Look up DNS whois.....Look up domain registrants ping... Check reachability and response time of a host traceroute......View network path to a host File Editing vim Text editor gvim.....Forks a GUI version of ViM emacs......Text editor sed......GNU stream text editor

Spelling Operations

look.....Look up spelling

Networking

ssh	Securely log into remote hosts
scp	Securely copy files between hosts
sftp	Securely copy files between hosts
wget	Retrieve a url to disk
curl	Retrieve a url to disk
gaim	Instant messaging
talk	Linux/Unix Chat
write	Send messages to a terminal
mesg	Enable/prohibit talk/write
finger	Display information about users
who	Show who is logged in
last	. Displays login and logout information

Email, News and Web Browsing

pine	Terminal-based email and news program
$\mathtt{mutt} \ldots \ldots$	Terminal-based email program
${\tt mail} \dots \dots$	Minimal mail client
links	Text-only web browser
firefox	GUI web browser

Text Processors and Viewers

latex
pdflatex
bibtexCompiles BiBTeX files
gvView Postscript/PDF files
xdviView TeX DVI files
dvipsPrints/converts TeX DVI files
$\mathtt{ps2pdf} \dots \dots \dots \text{Converts Postscript} \to \text{PDF}$
$\verb"antiword$

Image Manipulation/Display

xv	Image viewer for X
qiv	. Fast gdk/imlib image viewer for X
feh	Fast imlib2 image viewer for X
display	ImageMagick: display image
convert	ImageMagick: convert image
identify	ImageMagick: display file image info
importImageM	fagick: save screen/window as image
compare	ImageMagick: compare images
xfig	Tool for drawing figures
transfig	onverts fig \rightarrow portable LaTeX figure
gimp	.GNU image manipulation program

Development

cscope Interactively examine a C program
gccCompiles C and C++ code
gdbDebugger for C and C++
javacCompiles Java code
jdb Debugger for Java
awkPattern scanning and processing language
perlPerl programming language
python Python programming language
rubyRuby programming language
matlabTechnical computing language
mathematicaMathematical computing language
R Data analysis language

Encryption

	Public key encryption program
gpg	.GnuPG: an encryption tool like PGP

Terminal Emulators

\mathtt{xterm}	Standard terminal emulator for X
rxvt	Lightweight terminal emulator for X
mrxvt	Multi-tab enabled version of rxvt

Miscellaneous

alias	Create shorthand for a series commands
su	Allows you to run a shell as another user
sudoI	Lets you execute a command as another user
nohup	$\ldots\ldots$ Lets a program run after you log out

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