UNIX/LINUX REFERENCE CARD

Basic File and Directory Manipulation 1sList directory contents
cpCopy files
mvMove/rename files
rmRemove files
shred
lnLink files
cdChange directory
pwd Print present working directory
mkdir
rmdirRemove directory
, and the second
Eile Vienning
File Viewing
cat
more
less
nl
od Prints file in octal and other formats
TH. (T.) 16 1 1 1
File Text Manipulation
grep Search 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
stat
wc Count bytes/words/lines
duEstimate disk usage

chown Change file owner

File and Commands Location and Help find.....Locate files locate Locate files via index which......Locate commands apropos......Locate commands by keyword lookup man......Find and display online help page whereis ... Locate bin, src and man files for command File Compression bzip2......Compress/decompress files (BWT) [un]zip..... (De-)Compress files (PKZIP compatible) File Comparison and Patching diff......Compare files line by line patch......Apply changes from a diff file cmp......Compare files byte by byte md5sum......Compute and check MD5 message digest Disks and Filesystems df Show free disk space fcsk.......Check a disk for errors sync......Synchronizes filesystem buffers and disk quota..... Check disk quota for current user Backups and Remote Storage mt......Control a tape drive dump......Back up a disk restore Restore a dump tar.....Read/write (compressed) tape archives rsync......Mirror a set of files dar Archive a disk Environment echo......Print variable set Write environment variables with more options

unset Unset environment variables

Scheduling Jobs sleep......Delay for specified time watch.....Run programs at set intervals at Schedule a job cron Clock daemon 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
pingCheck reacha	ability and response time of a host
traceroute	View network path to a host

File Editing

vim	$\ldots \ldots \ldots \ldots \ldots \\$ Text editor
gvim	. Forks a GUI version of ViM
emacs	$\dots \dots $
sed	GNU stream text editor

Spelling Operations

ispell	 	 	Check	spelling	inter	actively
look	 	 		Loo	k 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 I	mageMagick: display file image info
importImageM	agick: save screen/window as image
compare	ImageMagick: compare images
xfig	Tool for drawing figures
transfigCo	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
sudo \ldots L ϵ	ets you execute a command as another user
nohup	Lets a program run after you log out

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