# UNIX/LINUX REFERENCE CARD

— CIVIX/EIIVOX ILEI EILEIVOE CIVILD
Basic File and Directory Manipulation  1s. List directory contents  cp. Copy files  mv. Move/rename files  rm. Remove files  shred Destroy data in files  1n. Link files  cd. Change directory  pwd Print present working directory  mkdir Make directory  rmdir Remove directory
File Viewing cat
File Text Manipulation grep
File Properties stat

File and Commands Location and Help findLocate files locateLocate files via index
which
File Compression gzip
File Comparison and Patching  diff
Disks and Filesystems  df
Backups and Remote Storage  mt
Environment  env

wate at. cror	pp
lpr	nting
ps w upti top. xloa kill nice	List all processes List users' processes Mene View system uptime Monitor processes Monitor system load Terminate processes Run process with modified priority Lee Alter running process' priority
host ifco host whoi ping	re
File	e Editing Text editor Forks a GUI version of ViM GROUP STREAM TEXT editor GROUP STREAM TEXT editor

look.....Look up spelling

**Spelling Operations** 

## 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
mutt	Terminal-based email program
mail	Minimal mail client
links	Text-only web browser
firefox	GUI web browser

#### Text Processors and Viewers

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

#### 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

${\tt pgp}\dots\dots$	Public key encryption program
gpg	GnuPG: an encryption tool like PGP

#### **Terminal Emulators**

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
sudoLets you execute a command as another user
nohupLets a program run after you log out

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