

## Biowulf

batchlim	show cpu and job limits for batch jobs
freen	show free and total nodes and cores
jobdata	show lots of info for a single jobid
jobhist	historical job summary
jobload	show current job and node status
sacct	select slurm jobs
sbatch	submit slurm job
sbcast	transmit a file to the nodes allocated to a Slurm job
scancel	delete slurm jobs
seff	display basic job accounting information
sinfo	view information about Slurm nodes and partitions
sinteractive	allocate an interactive session
sjobs	show brief summary of queued and running jobs
squeue	display status of slurm batch jobs
sstat	display various status information of a running job/step
swarm	submit a swarm of commands to cluster

## Communication

clear	clear the terminal screen
curl	transfer a URL
dircolors	color setup for ls
ftp	internet file transfer program
glxinfo	display information about OpenGL/GLX display
lftp	Sophisticated file transfer program
lftpget	same as lftp -c
login	sign on
openssl	OpenSSL command line tool
rdist	remote file distribution client program
reset	(see tset)
resize	set TERMCAP and terminal settings to current xterm window size
rlogin	remote login
rsh	remote shell
screen	screen manager with VT100/ANSI terminal emulation
sendmail	an electronic mail transport agent
sftp	secure file transfer program
ssh	OpenSSH SSH client (remote login program)
telnet	user interface to the TELNET protocol
tset	terminal initialization
wall	send a message to everybody's terminal
wget	The non-interactive network downloader
xterm	terminal emulator for X

## Comparisons

bzcmp	compare bzip2 compressed files using cmp
bzdiff	compare bzip2 compressed files using diff
cmp	compare two files
combinediff	create a cumulative unified patch from two incremental patches

diff	find differences between two files
diff3	find differences between three files
gvimdiff	graphical vimdiff (see vimdiff)
interdiff	show differences between two diff files
newer	compare file modification times
sdiff	find differences between two files and merge interactively
vimdiff	edit two or three versions of a file with Vim and show differences
xdiff	graphical diff tool
zcmp	compare two gzip files using cmp
zdiff	compare two gzip files using diff

## Documentation

help	display information about builtin commands
info	read Info documents
man	format and display the on-line manual pages
man2html	format a manual page in html

## File Management

acroread	X11 PDF reader (Adobe Acrobat)
basename	strip directory and suffix from filenames
bzcat	decompresses files to stdout
bzless	file perusal filter for crt viewing of bzip2 compressed text with less
bzmore	file perusal filter for crt viewing of bzip2 compressed text with more
cat	concatenate files and print on the standard output
cd	change the current directory
chmod	change file access permissions
chown	change file owner and group
cksum	checksum and count the bytes in a file
comm	compare two sorted files line by line
cp	copy files and directories
csplit	split a file into sections determined by context lines
cvs	Concurrent Versions System
dd	convert and copy a file
dir	list directory contents
dirs	displays list of currently remembered directories
dirname	strip non-directory suffix from file name
display	displays an image or image sequence on any X server
file	determine file type
ghostscript	PostScript and PDF language interpreter and previewer
gpg	encryption and signing tool
gs	(see ghostscript)
head	output the first part of files
less	opposite of more
ln	make links between files
ls	list directory contents
md5sum	compute and check MD5 message digest
mkdir	make directories
more	file perusal filter for crt viewing

mv	move (rename) files
nl	number lines of files
pathchk	check whether file names are valid or portable
popd	remove entries from directory stack
pushd	add entries to directory stack
pwd	print name of current/working directory
rcp	remote file copy
readlink	display value of a symbolic link
rename	Rename files
rm	remove files or directories
rmdir	remove empty directories
rsync	faster, flexible replacement for rcp
scp	secure copy (remote file copy program)
shred	overwrite a file to hide its contents, and optionally delete it
split	split a file into pieces
splitdiff	separate out incremental patches
stat	display file or file system status
svn	Subversion command line client tool
tac	concatenate and print files in reverse
tail	output the last part of files
tailf	follow the growth of a log file
touch	change file timestamps
tree	list contents of directories in a tree-like format
unlink	a more direct and brittle form of rm
vdir	list directory contents
wc	print the number of newlines, words, and bytes in files
zcat	cat a gzip file
zforce	force a '.gz' extension on all gzip files
zless	view a gzip file using less
zmore	view a gzip file using more

## Miscellaneous

bc	An arbitrary precision calculator language
cal	displays a calendar
date	print or set the system date and time
dc	an arbitrary precision calculator
factor	factor numbers
history	store and access command history
oclock	round X clock
script	make typescript of terminal session
seq	print a sequence of numbers
sqlite3	A command line interface for SQLite version 3
time	time a simple command or give resource usage
timeout3	Execute a command with a time-out
times	print accumulated user and system times for the shell
type	indicate how a name would be interpreted
vimtutor	the Vim tutor
whois	client for the whois service
xclock	analog / digital clock for X
xeyes	a follow the mouse X demo

## Process Management

[CTRL]-c	send SIGINT to current foreground job
[CTRL]-\	send SIGQUIT to current foreground job
[CTRL]-u	send SIGKILL to current foreground job
[CTRL]-z	suspend current foreground job
at	queue, examine or delete jobs for later execution
bash	GNU Bourne-Again SHell
batch	(see at)
bg	resume suspended jobs in the background
crontab	maintain crontab files for individual users
csh	C shell with file name completion and command line editing
disown	remove a job from table of active jobs
exec	execute a file, replacing this shell with the specified program
fg	resume job in the foreground
jobs	display and manage active jobs
kill	send signal to processes
ksh	KornShell, a standard/restricted command and programming language
mkfifo	make FIFOs (named pipes)
nice	run a program with modified scheduling priority
nohup	run a command immune to hangups, with output to a non-tty
pidof	find the process ID of a running program
pkill	(see pgrep)
ps	report a snapshot of the current processes
renice	alter priority of running processes
rexec	remote execution client for an exec server
setsid	run a program in a new session
sg	execute command as different group ID
strace	trace system calls and signals
stream	Run commands in parallel on a single multiprocessor node (Helix Systems only)
suspend	suspend the execution of a shell
tee	read from standard input and write to standard output and files
trap	catch signals went sent to command
wait	wait for each specified process and return its termination status
watch	execute a program periodically, showing output fullscreen
xargs	build and execute command lines from standard input

## Searching

apropos	search the whatis database for strings
bzipgrep	search possibly bzip2 compressed files for a regular expression
egrep	(see grep)
fgrep	(see grep)
find	search for files in a directory hierarchy
grep	print lines matching a pattern
locate	find files by name
look	display lines beginning with a given string
pgrep	look up or signal processes based on name and other attributes
strings	print the strings of printable characters in files
updatedb	update a database for locate

whatis	search the whatis database for complete words
whereis	locate the binary, source, and manual page files for a command
which	shows the full path of (shell) commands
zgrep	search gzip files for a regular expression
zipgrep	search files in a ZIP archive for lines matching a pattern

## Shell Programming

a2p	awk to perl translator
break	exit from a for, while, until, or select loop
continue	resume the next iteration of a for, while, until, or select loop
declare	declare a variable and/or give them attributes
echo	display a line of text
eval	evaluate a command execution
exit	exit the shell with a given status
expr	evaluate expressions
getopts	parse positional parameters
false	do nothing, unsuccessfully
flock	manage locks from shell scripts
let	evaluate arithmetic expression
local	create local variable
lockfile	conditional semaphore-file creator
logout	exit a login shell
perl	Practical Extraction and Report Language
php	PHP Command Line Interface
printf	format and print data
python	an interpreted, interactive, object-oriented programming language
read	read a line from STDIN
readonly	set a variable as readonly
return	exit a function with return value
set	set value of a shell variable
sh	(see bash)
shift	shift positional parameter values
shopt	toggle shell option values
sleep	delay for a specified amount of time
tcsh	C shell with file name completion and command line editing
test	check file types and compare values (same as [])
true	do nothing, successfully
unset	remove variable or function
usleep	sleep some number of microseconds
whiptail	display dialog boxes from shell scripts
yes	output a string repeatedly until killed
zsh	the Z shell

## Storage

bunzip2	a block-sorting file compressor
bzip2	(see bunzip2)
bzip2recover	recovers data from damaged bzip2 files
checkquota	Print disk usage for a user (Helix Systems only)
df	report file system disk space usage
du	estimate file space usage

funzip	filter for extracting from a ZIP archive in a pipe
gunzip	(see gzip)
gzip	compress or expand files
quota	(see checkquota)
tar	The GNU version of the tar archiving utility
unzip	(see zip)
zip	package and compress (archive) files
zipinfo	list detailed information about a ZIP archive
zipnote	make a notefile about a ZIP archive
zipsplit	split up a ZIP archive

## System Status

alias	create or show aliases to commands
bind	display and set key and function bindings
enable	enable and disable builtin shell commands
env	run a program in a modified environment
export	elevate a variable to the environment
free	display amount of free and used memory in the system
hash	create and maintain command hash table
host	DNS lookup utility
hostname	show or set the system's host name
iostat	Report Central Processing Unit (CPU) statistics and input/output statistics for devices and partitions
lsof	list open files
netstat	Print network connections, routing and interface statistics, and connections info
ping	send ICMP ECHO_REQUEST to network hosts
printenv	print all or part of environment
source	read and execute commands from file in the current shell
top	display Linux tasks
ulimit	print or set system limits
umask	set file creation mask
unalias	remove alias from shell
uname	print system information
uptime	Tell how long the system has been running
users	print the user names of users currently logged in to the current host
vmstat	Report virtual memory statistics
w	Show who is logged on and what they are doing
who	show who is logged on

## Text Processing

[CTRL]-d	send EOF to current process (press twice to logout)
a2ps	format files for printing on a PostScript printer
awk	(see gawk)
column	columnate lists
cut	remove sections from each line of files
dos2unix	DOS/MAC to UNIX text file format converter
emacs	GNU project Emacs
enscript	convert text files to PostScript, HTML, RTF, ANSI, and overstrikes
expand	convert tabs to spaces

fmt	simple optimal text formatter
fold	wrap each input line to fit in specified width
gawk	pattern scanning and processing language
gedit	text editor for the GNOME Desktop
gvim	graphical vi (see vim)
iconv	convert encoding of given files from one encoding to another
join	join lines of two files on a common field
mac2unix	see dos2unix
merge	three-way file merge
nano	Nano's ANOther editor, an enhanced free Pico clone
paste	merge lines of files
patch	apply a diff file to an original
pdf2ps	Ghostscript PDF to PostScript translator
pico	simple text editor in the style of the Pine Composer
pr	convert text files for printing
rev	reverse lines of a file
sed	stream editor for filtering and transforming text
sort	sort lines of text files
tr	translate or delete characters
unexpand	convert spaces to tabs
uniq	report or omit repeated lines
unix2dos	UNIX to DOS text file format converter
urlview	URL extractor/launcher
vi	(see vi)
view	read-only vi
vim	Vi IMproved, a programmers text editor

## User Management

chfn	change your finger information
chgrp	change group ownership
chsh	change your login shell
finger	user information lookup program
groups	print the groups a user is in
id	print user identity
logname	print user's login name
newgrp	log in to a new group
passwd	update user's authentication tokens
pinky	lightweight finger
whoami	print effective userid