

File Commands	System Info
ls - directory listing	date - show the current date and time
ls -al - formatted listing with hidden files	cal - show this month's calendar
cd dir - change directory to <i>dir</i>	uptime - show current uptime
cd - change to home	w - display who is online
pwd - show current directory	whoami - who you are logged in as
mkdir dir - create a directory <i>dir</i>	finger user - display information about <i>user</i>
rm file - delete <i>file</i>	uname -a - show kernel information
rm -r dir - delete directory <i>dir</i>	cat /proc/cpuinfo - cpu information
rm -f file - force remove <i>file</i>	cat /proc/meminfo - memory information
rm -rf dir - force remove directory <i>dir</i> *	man command - show the manual for <i>command</i>
cp file1 file2 - copy <i>file1</i> to <i>file2</i>	df - show disk usage
cp -r dir1 dir2 - copy <i>dir1</i> to <i>dir2</i> ; create <i>dir2</i> if it doesn't exist	du - show directory space usage
mv file1 file2 - rename or move <i>file1</i> to <i>file2</i>	free - show memory and swap usage
if <i>file2</i> is an existing directory, moves <i>file1</i> into directory <i>file2</i>	whereis app - show possible locations of <i>app</i>
ln -s file link - create symbolic link <i>link</i> to <i>file</i>	which app - show which <i>app</i> will be run by default
touch file - create or update <i>file</i>	Compression
cat > file - places standard input into <i>file</i>	tar cf file.tar files - create a tar named <i>file.tar</i> containing <i>files</i>
more file - output the contents of <i>file</i>	tar xf file.tar - extract the files from <i>file.tar</i>
head file - output the first 10 lines of <i>file</i>	tar czf file.tar.gz files - create a tar with Gzip compression
tail file - output the last 10 lines of <i>file</i>	tar xzf file.tar.gz - extract a tar using Gzip
tail -f file - output the contents of <i>file</i> as it grows, starting with the last 10 lines	tar cjf file.tar.bz2 - create a tar with Bzip2 compression
Process Management	tar xjf file.tar.bz2 - extract a tar using Bzip2
ps - display your currently active processes	gzip file - compresses <i>file</i> and renames it to <i>file.gz</i>
top - display all running processes	gzip -d file.gz - decompresses <i>file.gz</i> back to <i>file</i>
kill pid - kill process id <i>pid</i>	Network
killall proc - kill all processes named <i>proc</i> *	ping host - ping <i>host</i> and output results
bg - lists stopped or background jobs; resume a stopped job in the background	whois domain - get whois information for <i>domain</i>
fg - brings the most recent job to foreground	dig domain - get DNS information for <i>domain</i>
fg n - brings job <i>n</i> to the foreground	dig -x host - reverse lookup <i>host</i>
File Permissions	wget file - download <i>file</i>
chmod octal file - change the permissions of <i>file</i> to <i>octal</i> , which can be found separately for user, group, and world by adding:	wget -c file - continue a stopped download
<ul style="list-style-type: none"> 4 - read (r) 2 - write (w) 1 - execute (x) 	Installation
Examples:	Install from source:
chmod 777 - read, write, execute for all	./configure
chmod 755 - rwx for owner, rx for group and world	make
For more options, see man chmod .	make install
SSH	dpkg -i pkg.deb - install a package (Debian)
ssh user@host - connect to <i>host</i> as <i>user</i>	rpm -Uvh pkg.rpm - install a package (RPM)
ssh -p port user@host - connect to <i>host</i> on port <i>port</i> as <i>user</i>	Shortcuts
ssh-copy-id user@host - add your key to <i>host</i> for <i>user</i> to enable a keyed or passwordless login	Ctrl+C - halts the current command
Searching	Ctrl+Z - stops the current command, resume with fg in the foreground or bg in the background
grep pattern files - search for <i>pattern</i> in <i>files</i>	Ctrl+D - log out of current session, similar to exit
grep -r pattern dir - search recursively for <i>pattern</i> in <i>dir</i>	Ctrl+W - erases one word in the current line
command grep pattern - search for <i>pattern</i> in the output of <i>command</i>	Ctrl+U - erases the whole line
locate file - find all instances of <i>file</i>	Ctrl+R - type to bring up a recent command
	!! - repeats the last command
	exit - log out of current session
	* use with extreme caution.

