

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