[alias](https://ss64.com/bash/alias.html) Create an alias •

apropos Search Help manual pages (man -k)

[apt-get](https://ss64.com/bash/apt-get.html) Search for and install software packages (Debian/Ubuntu)

[aptitude](https://ss64.com/bash/aptitude.html) Search for and install software packages (Debian/Ubuntu)

[aspell](https://ss64.com/bash/aspell.html) Spell Checker

[awk](https://ss64.com/bash/awk.html) Find and Replace text, database sort/validate/index

b

[basename](https://ss64.com/bash/basename.html) Strip directory and suffix from filenames

bash GNU Bourne-Again SHell

[bc](https://ss64.com/bash/bc.html) Arbitrary precision calculator language

[bg](https://ss64.com/bash/bg.html) Send to background

[bind](https://ss64.com/bash/bind.html) Set or display readline key and function bindings •

[break](https://ss64.com/bash/break.html) Exit from a loop •

[builtin](https://ss64.com/bash/builtin.html) Run a shell builtin

[bzip2](https://ss64.com/bash/bzip2.html) Compress or decompress named file(s)

c

[cal](https://ss64.com/bash/cal.html) Display a calendar

[case](https://ss64.com/bash/case.html) Conditionally perform a command

[cat](https://ss64.com/bash/cat.html) Concatenate and print (display) the content of files

[cd](https://ss64.com/bash/cd.html) Change Directory

[cfdisk](https://ss64.com/bash/cfdisk.html) Partition table manipulator for Linux

[chattr](https://ss64.com/bash/chattr.html) Change file attributes on a Linux file system

[chgrp](https://ss64.com/bash/chgrp.html) Change group ownership

[chmod](https://ss64.com/bash/chmod.html) Change access permissions

[chown](https://ss64.com/bash/chown.html) Change file owner and group

[chpasswd](https://ss64.com/bash/chpasswd.html) Update passwords in batch mode

[chroot](https://ss64.com/bash/chroot.html) Run a command with a different root directory

[chkconfig](https://ss64.com/bash/chkconfig.html) System services (runlevel)

[cksum](https://ss64.com/bash/cksum.html) Print CRC checksum and byte counts

clear Clear terminal screen

[cmp](https://ss64.com/bash/cmp.html) Compare two files

[comm](https://ss64.com/bash/comm.html) Compare two sorted files line by line

[command](https://ss64.com/bash/command.html) Run a command - ignoring shell functions •

[continue](https://ss64.com/bash/continue.html) Resume the next iteration of a loop •

[cp](https://ss64.com/bash/cp.html) Copy one or more files to another location

[cpio](https://ss64.com/bash/cpio.html) Copy files to and from archives

[cron](https://ss64.com/bash/cron.html) Daemon to execute scheduled commands

[crontab](https://ss64.com/bash/crontab.html) Schedule a command to run at a later time

[csplit](https://ss64.com/bash/csplit.html) Split a file into context-determined pieces

[curl](https://ss64.com/bash/curl.html) Transfer data from or to a server

[cut](https://ss64.com/bash/cut.html) Divide a file into several parts

d

[date](https://ss64.com/bash/date.html) Display or change the date & time

[dc](https://ss64.com/bash/dc.html) Desk Calculator

[dd](https://ss64.com/bash/dd.html) Data Duplicator - convert and copy a file, write disk headers, boot records

[ddrescue](https://ss64.com/bash/ddrescue.html) Data recovery tool

[declare](https://ss64.com/bash/declare.html) Declare variables and give them attributes •

[df](https://ss64.com/bash/df.html) Display free disk space

[diff](https://ss64.com/bash/diff.html) Display the differences between two files

[diff3](https://ss64.com/bash/diff3.html) Show differences among three files

[dig](https://ss64.com/bash/dig.html) DNS lookup

[dir](https://ss64.com/bash/dir.html) Briefly list directory contents

[dircolors](https://ss64.com/bash/dircolors.html) Colour setup for 'ls'

[dirname](https://ss64.com/bash/dirname.html) Convert a full pathname to just a path

[dirs](https://ss64.com/bash/dirs.html) Display list of remembered directories

[dmesg](https://ss64.com/bash/dmesg.html) Print kernel & driver messages

[du](https://ss64.com/bash/du.html) Estimate file space usage

e

[echo](https://ss64.com/bash/echo.html) Display message on screen •

[egrep](https://ss64.com/bash/egrep.html) Search file(s) for lines that match an extended expression

[eject](https://ss64.com/bash/eject.html) Eject removable media

[enable](https://ss64.com/bash/enable.html) Enable and disable builtin shell commands •

[env](https://ss64.com/bash/env.html) Environment variables

ethtool Ethernet card settings

[eval](https://ss64.com/bash/eval.html) Evaluate several commands/arguments

[exec](https://ss64.com/bash/exec.html) Execute a command

[exit](https://ss64.com/bash/exit.html) Exit the shell

[expect](https://en.wikipedia.org/wiki/Expect) Automate arbitrary applications accessed over a terminal

[expand](https://ss64.com/bash/expand.html) Convert tabs to spaces

[export](https://ss64.com/bash/export.html) Set an environment variable

[expr](https://ss64.com/bash/expr.html) Evaluate expressions

f

[false](https://ss64.com/bash/false.html) Do nothing, unsuccessfully

[fdformat](https://ss64.com/bash/fdformat.html) Low-level format a floppy disk

[fdisk](https://ss64.com/bash/fdisk.html) Partition table manipulator for Linux

[fg](https://ss64.com/bash/fg.html) Send job to foreground

[fgrep](https://ss64.com/bash/fgrep.html) Search file(s) for lines that match a fixed string

[file](https://ss64.com/bash/file.html) Determine file type

[find](https://ss64.com/bash/find.html) Search for files that meet a desired criteria

[fmt](https://ss64.com/bash/fmt.html) Reformat paragraph text

[fold](https://ss64.com/bash/fold.html) Wrap text to fit a specified width.

[for](https://ss64.com/bash/for.html) Expand *words*, and execute *commands*

format Format disks or tapes

free Display memory usage

[fsck](https://ss64.com/bash/fsck.html) File system consistency check and repair

[ftp](https://ss64.com/bash/ftp.html) File Transfer Protocol

[function](https://ss64.com/bash/function.html) Define Function Macros

[fuser](https://ss64.com/bash/fuser.html) Identify/kill the process that is accessing a file

g

[gawk](https://ss64.com/bash/awk.html) Find and Replace text within file(s)

[getopts](https://ss64.com/bash/getopts.html) Parse positional parameters

[grep](https://ss64.com/bash/grep.html) Search file(s) for lines that match a given pattern

[groupadd](https://ss64.com/bash/groupadd.html) Add a user security group

[groupdel](https://ss64.com/bash/groupdel.html) Delete a group

[groupmod](https://ss64.com/bash/groupmod.html) Modify a group

[groups](https://ss64.com/bash/groups.html) Print group names a user is in

[gzip](https://ss64.com/bash/gzip.html) Compress or decompress named file(s)

h

[hash](https://ss64.com/bash/hash.html) Remember the full pathname of a name argument

[head](https://ss64.com/bash/head.html) Output the first part of file(s)

help Display help for a built-in command •

[history](https://ss64.com/bash/history.html) Command History

[hostname](https://ss64.com/bash/hostname.html) Print or set system name

[htop](https://ss64.com/bash/htop.html) Interactive process viewer

i

[iconv](https://ss64.com/bash/iconv.html) Convert the character set of a file

[id](https://ss64.com/bash/id.html) Print user and group id's

[if](https://ss64.com/bash/if.html) Conditionally perform a command

[ifconfig](https://ss64.com/bash/ifconfig.html) Configure a network interface

[ifdown](https://ss64.com/bash/ifup.html) Stop a network interface

[ifup](https://ss64.com/bash/ifup.html) Start a network interface up

[import](https://ss64.com/bash/import.html) Capture an X server screen and save the image to file

[install](https://ss64.com/bash/install.html) Copy files and set attributes

[iostat](https://ss64.com/bash/iostat.html) Report CPU and i/o statistics

[ip](https://ss64.com/bash/ip.html) Routing, devices and tunnels

j

[jobs](https://ss64.com/bash/jobs.html) List active jobs •

[join](https://ss64.com/bash/join.html) Join lines on a common field

k

[kill](https://ss64.com/bash/kill.html) Kill a process by specifying its PID

[killall](https://ss64.com/bash/killall.html) Kill processes by name

l

[less](https://ss64.com/bash/less.html) Display output one screen at a time

[let](https://ss64.com/bash/let.html) Perform arithmetic on shell variables •

[link](https://ss64.com/bash/link.html) Create a link to a file

[ln](https://ss64.com/bash/ln.html) Create a symbolic link to a file

[local](https://ss64.com/bash/local.html) Create a function variable •

[locate](https://ss64.com/bash/locate.html) Find files

[logname](https://ss64.com/bash/logname.html) Print current login name

[logout](https://ss64.com/bash/logout.html) Exit a login shell •

[look](https://ss64.com/bash/look.html) Display lines beginning with a given string

[lpc](https://ss64.com/bash/lpc.html) Line printer control program

[lpr](https://ss64.com/bash/lpr.html) Off line print

lprint Print a file

lprintd Abort a print job

lprintq List the print queue

[lprm](https://ss64.com/bash/lprm.html) Remove jobs from the print queue

[lsattr](https://ss64.com/bash/lsattr.html) List file attributes on a Linux second extended file system

[lsblk](https://ss64.com/bash/lsblk.html) List block devices

[ls](https://ss64.com/bash/ls.html) List information about file(s)

[lsof](https://ss64.com/bash/lsof.html) List open files

[lspci](https://ss64.com/bash/lspci.html) List all PCI devices

m

make Recompile a group of programs

[man](https://ss64.com/bash/man.html) Help manual

[mkdir](https://ss64.com/bash/mkdir.html) Create new folder(s)

[mkfifo](https://ss64.com/bash/mkfifo.html) Make FIFOs (named pipes)

[mkfile](https://ss64.com/bash/mkfile.html) Make a file

mkisofs Create an hybrid ISO9660/JOLIET/HFS filesystem

[mknod](https://ss64.com/bash/mknod.html) Make block or character special files

[mktemp](https://ss64.com/bash/mktemp.html) Make a temporary file

[more](https://ss64.com/bash/more.html) Display output one screen at a time

[most](https://ss64.com/bash/most.html) Browse or page through a text file

[mount](https://ss64.com/bash/mount.html) Mount a file system

[mtools](https://ss64.com/bash/mtools.html) Manipulate MS-DOS files

[mtr](https://ss64.com/bash/mtr.html) Network diagnostics (traceroute/ping)

[mv](https://ss64.com/bash/mv.html) Move or rename files or directories

[mmv](https://ss64.com/bash/mmv.html) Mass Move and rename (files)

n

[nc](https://ss64.com/bash/nc.html) Netcat, read and write data across networks

[netstat](https://ss64.com/bash/netstat.html) Networking connections/stats

[nft](https://ss64.com/bash/nft.html) nftables for packet filtering and classification

[nice](https://ss64.com/bash/nice.html) Set the priority of a command or job

[nl](https://ss64.com/bash/nl.html) Number lines and write files

[nohup](https://ss64.com/bash/nohup.html) Run a command immune to hangups

[notify-send](https://ss64.com/bash/notify-send.html) Send desktop notifications

[nslookup](https://ss64.com/bash/nslookup.html) Query Internet name servers interactively

o

[open](https://ss64.com/bash/open.html) Open a file in its default application

[op](https://ss64.com/bash/op.html) Operator access

p

[passwd](https://ss64.com/bash/passwd.html) Modify a user password

[paste](https://ss64.com/bash/paste.html) Merge lines of files

pathchk Check file name portability

[Perf](https://ss64.com/bash/perf.html) Performance analysis tools for Linux

[ping](https://ss64.com/bash/ping.html) Test a network connection

[pgrep](https://ss64.com/bash/pkill.html) List processes by name

[pkill](https://ss64.com/bash/pkill.html) Kill processes by name

[popd](https://ss64.com/bash/popd.html) Restore the previous value of the current directory

[pr](https://ss64.com/bash/pr.html) Prepare files for printing

printcap Printer capability database

[printenv](https://ss64.com/bash/printenv.html) Print environment variables

[printf](https://ss64.com/bash/printf.html) Format and print data •

[ps](https://ss64.com/bash/ps.html) Process status

[pushd](https://ss64.com/bash/pushd.html) Save and then change the current directory

[pv](https://ss64.com/bash/pv.html) Monitor the progress of data through a pipe

[pwd](https://ss64.com/bash/pwd.html) Print Working Directory

q

[quota](https://ss64.com/bash/quota.html) Display disk usage and limits

[quotacheck](https://ss64.com/bash/quotacheck.html) Scan a file system for disk usage

r

[ram](https://ss64.com/bash/ram.html) ram disk device

[rar](https://ss64.com/bash/rar.html) Archive files with compression

[rcp](https://ss64.com/bash/rcp.html) Copy files between two machines

[read](https://ss64.com/bash/read.html) Read a line from standard input •

readarray Read from stdin into an array variable •

[readonly](https://ss64.com/bash/readonly.html) Mark variables/functions as readonly

reboot Reboot the system

[rename](https://ss64.com/bash/rename.html) Rename files

renice Alter priority of running processes

remsync Synchronize remote files via email

[return](https://ss64.com/bash/return.html) Exit a shell function

[rev](https://ss64.com/bash/rev.html) Reverse lines of a file

[rm](https://ss64.com/bash/rm.html) Remove files

[rmdir](https://ss64.com/bash/rmdir.html) Remove folder(s)

[rsync](https://ss64.com/bash/rsync.html) Remote file copy (Synchronize file trees)

s

[screen](https://ss64.com/bash/screen.html) Multiplex terminal, run remote shells via ssh

[scp](https://ss64.com/bash/scp.html) Secure copy (remote file copy)

[sdiff](https://ss64.com/bash/sdiff.html) Merge two files interactively

[sed](https://ss64.com/bash/sed.html) Stream Editor

[select](https://ss64.com/bash/select.html) Accept keyboard input

[seq](https://ss64.com/bash/seq.html) Print numeric sequences

[set](https://ss64.com/bash/set.html) Manipulate shell variables and functions

sftp Secure File Transfer Program

[shift](https://ss64.com/bash/shift.html) Shift positional parameters

[shopt](https://ss64.com/bash/shopt.html) Shell Options

[shutdown](https://ss64.com/bash/shutdown.html) Shutdown or restart linux

[sleep](https://ss64.com/bash/sleep.html) Delay for a specified time

[slocate](https://ss64.com/bash/slocate.html) Find files

[sort](https://ss64.com/bash/sort.html) Sort text files

[source](https://ss64.com/bash/source.html) Run commands from a file '.'

[split](https://ss64.com/bash/split.html) Split a file into fixed-size pieces

[ss](https://ss64.com/bash/ss.html) Socket Statistics

[ssh](https://ss64.com/bash/ssh.html) Secure Shell client (remote login program)

[stat](https://ss64.com/bash/stat.html) Display file or file system status

[strace](https://ss64.com/bash/strace.html) Trace system calls and signals

[su](https://ss64.com/bash/su.html) Substitute user identity

[sudo](https://ss64.com/bash/sudo.html) Execute a command as another user

[sum](https://ss64.com/bash/sum.html) Print a checksum for a file

[suspend](https://ss64.com/bash/suspend.html) Suspend execution of this shell •

[sync](https://ss64.com/bash/sync.html) Synchronize data on disk with memory

t

[tail](https://ss64.com/bash/tail.html) Output the last part of file

[tar](https://ss64.com/bash/tar.html) Store, list or extract files in an archive

[tee](https://ss64.com/bash/tee.html) Redirect output to multiple files

[test](https://ss64.com/bash/test.html) Evaluate a conditional expression

[time](https://ss64.com/bash/time.html) Measure Program running time

[timeout](https://ss64.com/bash/timeout.html) Run a command with a time limit

[times](https://ss64.com/bash/times.html) User and system times

[touch](https://ss64.com/bash/touch.html) Change file timestamps

[top](https://ss64.com/bash/top.html) List processes running on the system

[tput](https://ss64.com/bash/tput.html) Set terminal-dependent capabilities, color, position

[traceroute](https://ss64.com/bash/traceroute.html) Trace Route to Host

[trap](https://ss64.com/bash/trap.html) Execute a command when the shell receives a signal •

[tr](https://ss64.com/bash/tr.html) Translate, squeeze, and/or delete characters

[true](https://ss64.com/bash/true.html) Do nothing, successfully

[tsort](https://ss64.com/bash/tsort.html) Topological sort

[tty](https://ss64.com/bash/tty.html) Print filename of terminal on stdin

[type](https://ss64.com/bash/type.html) Describe a command •

u

[ulimit](https://ss64.com/bash/ulimit.html) Limit user resources •

[umask](https://ss64.com/bash/umask.html) Users file creation mask

umount Unmount a device

[unalias](https://ss64.com/bash/alias.html) Remove an alias •

[uname](https://ss64.com/bash/uname.html) Print system information

[unexpand](https://ss64.com/bash/unexpand.html) Convert spaces to tabs

[uniq](https://ss64.com/bash/uniq.html) Uniquify files

[units](https://ss64.com/bash/units.html) Convert units from one scale to another

[unrar](https://ss64.com/bash/unrar.html) Extract files from a rar archive

[unset](https://ss64.com/bash/unset.html) Remove variable or function names

[unshar](https://ss64.com/bash/unshar.html) Unpack shell archive scripts

[until](https://ss64.com/bash/until.html) Execute commands (until error)

uptime Show uptime

[useradd](https://ss64.com/bash/useradd.html) Create new user account

[userdel](https://ss64.com/bash/userdel.html) Delete a user account

[usermod](https://ss64.com/bash/usermod.html) Modify user account

[users](https://ss64.com/bash/users.html) List users currently logged in

[uuencode](https://ss64.com/bash/uuencode.html) Encode a binary file

[uudecode](https://ss64.com/bash/uuencode.html) Decode a file created by uuencode

v

v Verbosely list directory contents ('ls -l -b')

vdir Verbosely list directory contents ('ls -l -b')

[vi](https://ss64.com/vi.html) Text Editor

[vmstat](https://ss64.com/bash/vmstat.html) Report virtual memory statistics

w

[w](https://ss64.com/bash/w.html) Show who is logged on and what they are doing

[wait](https://ss64.com/bash/wait.html) Wait for a process to complete •

[watch](https://ss64.com/bash/watch.html) Execute/display a program periodically

[wc](https://ss64.com/bash/wc.html) Print byte, word, and line counts

[whereis](https://ss64.com/bash/whereis.html) Search the user's $path, man pages and source files for a program

[which](https://ss64.com/bash/which.html) Search the user's $path for a program file

[while](https://ss64.com/bash/while.html) Execute commands

[who](https://ss64.com/bash/who.html) Print all usernames currently logged in

[whoami](https://ss64.com/bash/whoami.html) Print the current user id and name ('id -un')

wget Retrieve web pages or files via HTTP, HTTPS or FTP

[write](https://ss64.com/bash/write.html) Send a message to another user

x

[xargs](https://ss64.com/bash/xargs.html) Execute utility, passing constructed argument list(s)

[xdg-open](https://ss64.com/bash/xdg-open.html) Open a file or URL in the user's preferred application.

[xz](https://ss64.com/bash/xz.html) Compress or decompress .xz and .lzma files

[yes](https://ss64.com/bash/yes.html) Print a string until interrupted

[zip](https://ss64.com/bash/zip.html) Package and compress (archive) files.

[.](https://ss64.com/bash/source.html) Run a command script in the current shell

[!!](https://ss64.com/bash/bang.html) Run the last command again

[###](https://ss64.com/bash/rem.html) Comment / Remark

Commands marked • are bash *built-ins*  
Many commands particularly the Core Utils are also available under alternate [shells](http://www.freebsd.org/ports/shells.html) (C shell, Korn shell etc).

More bash commands: [Linux Command Directory](https://oreilly.com/linux/command-directory/) from O'Reilly, GNU [CoreUtils](https://www.gnu.org/software/coreutils/manual/coreutils.html).  
[SS64 bash discussion forum](https://ss64.org/viewforum.php?id=10)  
[Links to other Sites, books etc](https://ss64.com/links/bash.html)