

# An A-Z Index of the Bash command line for Linux.

<a href="#">alias</a>	Create an alias
<a href="#">apropos</a>	Search Help manual pages (man -k)
<a href="#">apt-get</a>	Search for and install software packages (Debian)
<a href="#">aspell</a>	Spell Checker
<a href="#">awk</a>	Find and Replace text, database sort/validate/index
b	
<a href="#">bash</a>	GNU Bourne-Again Shell
<a href="#">bc</a>	Arbitrary precision calculator language
<a href="#">bg</a>	Send to background
<a href="#">break</a>	Exit from a loop
<a href="#">builtin</a>	Run a shell builtin
<a href="#">bzip2</a>	Compress or decompress named file(s)
c	
<a href="#">cal</a>	Display a calendar
<a href="#">case</a>	Conditionally perform a command
<a href="#">cat</a>	Display the contents of a file
<a href="#">cd</a>	Change Directory
<a href="#">cfdisk</a>	Partition table manipulator for Linux
<a href="#">chgrp</a>	Change group ownership
<a href="#">chmod</a>	Change access permissions
<a href="#">chown</a>	Change file owner and group
<a href="#">chroot</a>	Run a command with a different root directory
<a href="#">chkconfig</a>	System services (runlevel)
<a href="#">cksum</a>	Print CRC checksum and byte counts
<a href="#">clear</a>	Clear terminal screen
<a href="#">cmp</a>	Compare two files
<a href="#">comm</a>	Compare two sorted files line by line
<a href="#">command</a>	Run a command - ignoring shell functions
<a href="#">continue</a>	Resume the next iteration of a loop
<a href="#">cp</a>	Copy one or more files to another location
<a href="#">cron</a>	Daemon to execute scheduled commands
<a href="#">crontab</a>	Schedule a command to run at a later time
<a href="#">csplit</a>	Split a file into context-determined pieces
<a href="#">cut</a>	Divide a file into several parts
d	
<a href="#">date</a>	Display or change the date & time
<a href="#">dc</a>	Desk Calculator
<a href="#">dd</a>	Convert and copy a file, write disk headers, boot
records	
<a href="#">ddrescue</a>	Data recovery tool
<a href="#">declare</a>	Declare variables and give them attributes

[df](#) Display free disk space  
[diff](#) Display the differences between two files  
[diff3](#) Show differences among three files  
[dig](#) DNS lookup  
[dir](#) Briefly list directory contents  
[dircolors](#) Colour setup for `ls`  
[dirname](#) Convert a full pathname to just a path  
[dirs](#) Display list of remembered directories  
[dmesg](#) Print kernel & driver messages  
[du](#) Estimate file space usage

e

[echo](#) Display message on screen  
[egrep](#) Search file(s) for lines that match an extended expression

[eject](#) Eject removable media  
[enable](#) Enable and disable builtin shell commands  
[env](#) Environment variables  
 ethtool Ethernet card settings  
[eval](#) Evaluate several commands/arguments  
[exec](#) Execute a command  
[exit](#) Exit the shell  
[expect](#) Automate arbitrary applications accessed over a terminal

[expand](#) Convert tabs to spaces  
[export](#) Set an environment variable  
[expr](#) Evaluate expressions

f

[false](#) Do nothing, unsuccessfully  
[fdformat](#) Low-level format a floppy disk  
[fdisk](#) Partition table manipulator for Linux  
[fg](#) Send job to foreground  
[fgrep](#) Search file(s) for lines that match a fixed string  
 file Determine file type  
[find](#) Search for files that meet a desired criteria  
[fmt](#) Reformat paragraph text  
[fold](#) Wrap text to fit a specified width.  
[for](#) Expand *words*, and execute *commands*  
 format Format disks or tapes  
 free Display memory usage  
[fsck](#) File system consistency check and repair  
 ftp File Transfer Protocol  
[function](#) Define Function Macros  
[fuser](#) Identify/kill the process that is accessing a file

g

[gawk](#) Find and Replace text within file(s)  
[getopts](#) Parse positional parameters

[grep](#) Search file(s) for lines that match a given pattern  
[groups](#) Print group names a user is in  
[gzip](#) Compress or decompress named file(s)

h

[hash](#) Remember the full pathname of a name argument  
[head](#) Output the first part of file(s)  
[history](#) Command History  
[hostname](#) Print or set system name

i

[id](#) Print user and group id's  
[if](#) Conditionally perform a command  
[ifconfig](#) Configure a network interface  
[ifdown](#) Stop a network interface  
[ifup](#) Start a network interface up  
[import](#) Capture an X server screen and save the image to

file

[install](#) Copy files and set attributes

j

[join](#) Join lines on a common field

k

[kill](#) Stop a process from running  
[killall](#) Kill processes by name

l

[less](#) Display output one screen at a time  
[let](#) Perform arithmetic on shell variables  
[ln](#) Make links between files  
[local](#) Create variables  
[locate](#) Find files  
[logname](#) Print current login name  
[logout](#) Exit a login shell  
[look](#) Display lines beginning with a given string  
[lpc](#) Line printer control program  
[lpr](#) Off line print  
[lprint](#) Print a file  
[lprntd](#) Abort a print job  
[lprntq](#) List the print queue  
[lprm](#) Remove jobs from the print queue  
[ls](#) List information about file(s)  
[lsof](#) List open files

m

[make](#) Recompile a group of programs  
[man](#) Help manual  
[mkdir](#) Create new folder(s)  
[mkfifo](#) Make FIFOs (named pipes)  
[mkisofs](#) Create an hybrid ISO9660/JOLIET/HFS filesystem  
[mknod](#) Make block or character special files

[more](#) Display output one screen at a time  
[mount](#) Mount a file system  
[mtools](#) Manipulate MS-DOS files  
[mv](#) Move or rename files or directories  
[mmv](#) Mass Move and rename (files)

n

netstat Networking information  
[nice](#) Set the priority of a command or job  
[nl](#) Number lines and write files  
[nohup](#) Run a command immune to hangups  
[nslookup](#) Query Internet name servers interactively

o

[open](#) Open a file in its default application  
[op](#) Operator access

p

[passwd](#) Modify a user password  
[paste](#) Merge lines of files  
 pathchk Check file name portability  
[ping](#) Test a network connection  
[popd](#) Restore the previous value of the current directory  
[pr](#) Prepare files for printing  
 printcap Printer capability database  
 printenv Print environment variables  
[printf](#) Format and print data  
[ps](#) Process status  
[pushd](#) Save and then change the current directory  
[pwd](#) Print Working Directory

q

[quota](#) Display disk usage and limits  
[quotacheck](#) Scan a file system for disk usage  
[quotactl](#) Set disk quotas

r

[ram](#) ram disk device  
[rcp](#) Copy files between two machines  
[read](#) read a line from standard input  
[readonly](#) Mark variables/functions as readonly  
 reboot Reboot the system  
 renice Alter priority of running processes  
 remsync Synchronize remote files via email  
[return](#) Exit a shell function  
[rev](#) Reverse lines of a file  
[rm](#) Remove files  
[rmdir](#) Remove folder(s)  
[rsync](#) Remote file copy (Synchronize file trees)

s

[screen](#) Multiplex terminal, run remote shells via ssh

[scp](#) Secure copy (remote file copy)  
[sdiff](#) Merge two files interactively  
[sed](#) Stream Editor  
[select](#) Accept keyboard input  
[seq](#) Print numeric sequences  
[set](#) Manipulate shell variables and functions  
sftp Secure File Transfer Program  
[shift](#) Shift positional parameters  
[shopt](#) Shell Options  
[shutdown](#) Shutdown or restart linux  
[sleep](#) Delay for a specified time  
[slocate](#) Find files  
[sort](#) Sort text files  
[source](#) Run commands from a file `.`  
[split](#) Split a file into fixed-size pieces  
[ssh](#) Secure Shell client (remote login program)  
strace Trace system calls and signals  
[su](#) Substitute user identity  
[sudo](#) Execute a command as another user  
[sum](#) Print a checksum for a file  
[symlink](#) Make a new name for a file  
[sync](#) Synchronize data on disk with memory

t

[tail](#) Output the last part of files  
[tar](#) Tape ARchiver  
[tee](#) Redirect output to multiple files  
[test](#) Evaluate a conditional expression  
[time](#) Measure Program running time  
[times](#) User and system times  
[touch](#) Change file timestamps  
[top](#) List processes running on the system  
[traceroute](#) Trace Route to Host  
trap Run a command when a signal is set(bourne)  
[tr](#) Translate, squeeze, and/or delete characters  
[true](#) Do nothing, successfully  
[tsort](#) Topological sort  
[tty](#) Print filename of terminal on stdin  
[type](#) Describe a command

u

[ulimit](#) Limit user resources  
[umask](#) Users file creation mask  
umount Unmount a device  
[unalias](#) Remove an alias  
[uname](#) Print system information  
[unexpand](#) Convert spaces to tabs  
[uniq](#) Uniquify files

[units](#) Convert units from one scale to another  
[unset](#) Remove variable or function names  
[unshar](#) Unpack shell archive scripts  
[until](#) Execute commands (until error)  
[useradd](#) Create new user account  
[usermod](#) Modify user account  
[users](#) List users currently logged in  
[uuencode](#) Encode a binary file  
[uudecode](#) Decode a file created by uuencode

V

[v](#) Verbosely list directory contents (``ls -l -b'`)  
[vdir](#) Verbosely list directory contents (``ls -l -b'`)  
[vi](#) Text Editor  
[vmstat](#) Report virtual memory statistics

W

[watch](#) Execute/display a program periodically  
[wc](#) Print byte, word, and line counts  
[whereis](#) Report all known instances of a command  
[which](#) Locate a program file in the user's path.  
[while](#) Execute commands  
[who](#) Print all usernames currently logged in  
[whoami](#) Print the current user id and name (``id -un'`)  
[wget](#) Retrieve web pages or files via HTTP, HTTPS or FTP  
[write](#) Send a message to another user

X

[xargs](#) Execute utility, passing constructed argument

list(s)

[yes](#) Print a string until interrupted  
[.](#) Run a command script in the current shell  
[###](#) Comment / Remark