(SS64)   Linux   Syntax   [   ]   Search

An A-Z Index of the **Linux** command line: bash + utilities.

alias	Create an alias •
apropos	Search Help manual pages (man -k)
apt-get	Search for and install software packages (Debian/Ubuntu)
aptitude	Search for and install software packages (Debian/Ubuntu)
aspell	Spell Checker
awk	Find and Replace text, database sort/validate/index

b

basename	Strip directory and suffix from filenames
base32	Base32 encode/decode data and print to standard output
base64	Base64 encode/decode data and print to standard output
bash	GNU Bourne-Again SHell
bc	Arbitrary precision calculator language
bg	Send to background
bind	Set or display readline key and function bindings •
break	Exit from a loop •
builtin	Run a shell builtin
bzip2	Compress or decompress named file(s)

c

cal	Display a calendar
case	Conditionally perform a command
cat	Concatenate and print (display) the content of files
cd	Change Directory
cfdisk	Partition table manipulator for Linux
chattr	Change file attributes on a Linux file system
chgrp	Change group ownership
chmod	Change access permissions
chown	Change file owner and group
chpasswd	Update passwords in batch mode
chroot	Run a command with a different root directory
chkconfig	System services (runlevel)
cksum	Print CRC checksum and byte counts
clear	Clear terminal screen
cmp	Compare two files
comm	Compare two sorted files line by line
command	Run a command - ignoring shell functions •
continue	Resume the next iteration of a loop •
cp	Copy one or more files to another location
cpio	Copy files to and from archives
cron	Daemon to execute scheduled commands
crontab	Schedule a command to run at a later time
csplit	Split a file into context-determined pieces
curl	Transfer data from or to a server
cut	Divide a file into several parts

d

date	Display or change the date & time
dc	Desk Calculator
dd	Data Duplicator - convert and copy a file, write disk headers, boot records
ddrescue	Data recovery tool
declare	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

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      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
      groupadd Add a user security group
      groupdel Delete a group
      groupmod Modify a group
      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)
      help     Display help for a built-in command •
      history  Command History
      hostname Print or set system name
      htop     Interactive process viewer
   i
      iconv    Convert the character set of a file
      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
      iostat   Report CPU and i/o statistics
      ip       Routing, devices and tunnels
   j
      jobs     List active jobs •
      join     Join lines on a common field
   k
      kill     Kill a process by specifying its PID
      killall  Kill processes by name
   l
      less     Display output one screen at a time
      let      Perform arithmetic on shell variables •
      link     Create a link to a file
      ln       Create a symbolic link to a file
      local    Create a function variable •
      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
      lprintd  Abort a print job
      lprintq  List the print queue
      lprm     Remove jobs from the print queue
      lsattr   List file attributes on a Linux second extended file system
      lsblk    List block devices
      ls       List information about file(s)
      lsof     List open files
      lspci    List all PCI devices
   m
      make     Recompile a group of programs
      man      Help manual
      mkdir    Create new folder(s)
      mkfifo   Make FIFOs (named pipes)
      mkfile   Make a file
      mkisofs  Create an hybrid ISO9660/JOLIET/HFS filesystem
      mknod    Make block or character special files
      mktemp   Make a temporary file
      more     Display output one screen at a time
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  most     Browse or page through a text file
  mount    Mount a file system
  mtools   Manipulate MS-DOS files
  mtr      Network diagnostics (traceroute/ping)
  mv       Move or rename files or directories
  mmv      Mass Move and rename (files)
n
  nc       Netcat, read and write data across networks
  netstat  Networking connections/stats
  nft      nftables for packet filtering and classification
  nice     Set the priority of a command or job
  nl       Number lines and write files
  nohup    Run a command immune to hangups
  notify-send  Send desktop notifications
  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
  Perf     Performance analysis tools for Linux
  ping     Test a network connection
  pgrep    List processes by name
  pkill    Kill processes by name
  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
  pv       Monitor the progress of data through a pipe
  pwd      Print Working Directory
q
  quota    Display disk usage and limits
  quotacheck Scan a file system for disk usage
r
  ram      ram disk device
  rar      Archive files with compression
  rcp      Copy files between two machines
  read     Read a line from standard input •
  readarray Read from stdin into an array variable •
  readonly Mark variables/functions as readonly
  reboot   Reboot the system
  rename   Rename files
  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
  ss       Socket Statistics
  ssh      Secure Shell client (remote login program)
  stat     Display file or file system status
  strace   Trace system calls and signals
  su       Substitute user identity
  sudo     Execute a command as another user
  sum      Print a checksum for a file
  suspend  Suspend execution of this shell •
  sync     Synchronize data on disk with memory
```

t
  tail   Output the last part of file
  tar   Store, list or extract files in an archive
  tee   Redirect output to multiple files
  test   Evaluate a conditional expression
  time   Measure Program running time
  timeout   Run a command with a time limit
  times   User and system times
  touch   Change file timestamps
  top   List processes running on the system
  tput   Set terminal-dependent capabilities, color, position
  traceroute Trace Route to Host
  trap   Execute a command when the shell receives a signal •
  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
  unrar   Extract files from a rar archive
  unset   Remove variable or function names
  unshar   Unpack shell archive scripts
  until   Execute commands (until error)
  uptime   Show uptime
  useradd   Create new user account
  userdel   Delete a 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
  w   Show who is logged on and what they are doing
  wait   Wait for a process to complete •
  watch   Execute/display a program periodically
  wc   Print byte, word, and line counts
  whereis   Search the user's $path, man pages and source files for a program
  which   Search the user's $path for a program file
  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)
  xdg-open Open a file or URL in the user's preferred application.
  xz   Compress or decompress .xz and .lzma files
  yes   Print a string until interrupted
  zip   Package and compress (archive) files.
  .   Run a command script in the current shell
  !!   Run the last command again
  ###   Comment / Remark

Commands marked • are bash *built-ins*
Many commands particularly the Core Utils are also available under alternate shells (C shell, Korn shell etc).

More bash commands: Linux Command Directory from O'Reilly, GNU CoreUtils.
SS64 bash discussion forum
Links to other Sites, books etc