EVERY LINUX COMMAND I KNOW A-Z

A
- adduser Used to add user to the system
- addgroup Used to add group to the system
- addr 2line convert addresses into file names and line numbers
- alias Create an alias for Linux commands
- anacron Used to run commands periodically.
- apropos Search the manual pages.
- apt Search and install software packages (Debian/Ubuntu)
- apt get Search and install software packages (Debian/Ubuntu)
- arp Display and modify ARP table.
- ar A utility to create/modify/extract from archives.
- aspell Interactive spell checker.
- as A portable GNU assembler.
- at Schedule a command to run once at a particular time
- 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 Access the GNU bc calculator utility.
- bg Send processes to the background.
- bind Used to attach a name to a socket.
- break Used to break from a loop.
- builtin Run a shell builtin
- bzip2 Compress or decompress named file(s)
- bzcmp Used to call the cmp program for bzip2 compressed files.
- bzdiff Used to call the diff program for bzip2 compressed files.
- bzgrep Used to call grep for bzip2 compressed files.
- bzip2 A block-sorting file compressor used to shrink given files.
- bzless Used to apply 'less' to bzip2 compressed files.
- bzmore Used to apply 'more' to bzip2 compressed files.

C
- cal Show calendar
- caller Return the context of any active subroutine call
- case Conditionally execute a command by matching a pattern.
- cat Concatenate and print (display) the content of files
- cc GNU C and C++ compiler.
- 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
- chfn Used to change real user name and information.
- chroot Run a command with a different root directory
- chsh Switch login shell.
- 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
- compress Used to compress one or more file(s).
- 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

D (cont.)
- 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
- dos2unix Windows/MAC to UNIX text file format converter
- dmesg Print kernel & driver messages
- dpkg Package manager (Debian/Ubuntu).
- 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
- 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
- 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

P
- passwd Modify a user password
- paste Merge lines of files

P (cont.)
- 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 user choices via keyboard input
- seq Print numeric sequences
- set Manipulate shell variables and functions
- sftp Secure File Transfer Program
- shift Shift positional parameters
- shopt Shell Options
- shuf Generate random permutations
- 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

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

I (cont.)
- 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 Print files
- lprint Print a file
- lprintd Delete 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
- mapfile Read lines from standard input into an indexed array variable
- mkdir Create new folder(s)
- mkfifo Make FIFOs (named pipes)
- mkfile Make a file
- mkisofs Create a 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
- 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
- !! Run the last command again
- # Comment s

T
- tail Output the last part of a 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
- tmux Terminal multiplexer
- 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
- unix2dos UNIX to Windows or MAC text file format converter
- 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
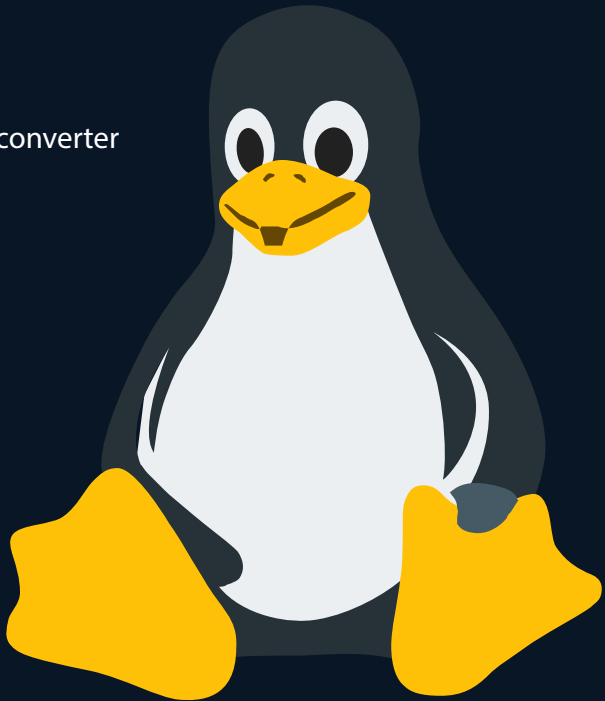- uudecode Decode a file created by uuencode

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

XYZ
- xargs Execute utility, passing constructed argument list(s)
- xdg-open Open a file or URL in the user's preferred application.
- xxd Make a hexdump or do the reverse
- xz Compress or decompress .xz and .lzma files
- yes Print a string until interrupted
- zip Package and compress (archive) files
- & Start a new process in the background
- . Run a command script in the current shell

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