



Command Cheat Sheet

(www.LinuxHint.com)

File Administration

- 1) `ls [options] [arguments]` : List the files in a particular directory or present directory if used without options or arguments
- 2) `cd [options] directory`: change the present directory
- 3) `ln [options] original file link file` : Create links b/w files or b/w directories
- 4) `ln [options] original file` : Create a link to the original file in the present directory
- 5) `mkdir [options] directory` : Make a directory
- 6) `mv [options] source destination` : Move and/or rename files and directories
- 7) `pwd [option]` : prints the current working directory
- 8) `rm [options] file` : Delete files or directories
- 9) `rmdir [options] directory` : Remove empty directories
- 10) `tar [options] archivename [file(s)]` : archive or extract files
- 11) `chgrp [options] group files`: Change group ownership of one or more files & directories
- 12) `chmod [options]mode files`: Change access permissions of one or more files & directories



- 13) `chown[options] new owner files` : Change the ownership of one or more files & directories
- 14) `cp [options] source destination` : Copy files and directories
- 15) `find [start-point] [search-criteria] [search-term]` : find files
- 16) `gzip [options] filename` : compress or expand files
- 17) `cat [options] [filenames] [-] [filenames]` : Display, combine or create new files.
- 18) `cut [options] file` : Cut out sections of each line of a file or files
- 19) `diff [options] from-file to-file` : Display the differences between two files
- 20) `grep [options] pattern [file]` : Search text and match patterns
- 21) `head [options] filename(s)` : List the first part of a specified file
- 22) `less [options] filename` : Display text files
- 23) `more [options] filename` : Display a text file
- 24) `tail [options] filename(s)` : List the last part of a specified file

Processes

- 1) `crontab [-u user] [-l | -r | -e]` : Schedule a task to run at a particular time or interval
- 2) `kill [options] PID(s)` : sends a signal to terminate a process or processes by PID



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- 3) `killall [options] command name` : sends a signal to terminate a processes by name
 - 4) `ps [options]` : displays a snapshot of the current processes
 - 5) `top [options]` : display system and process information in real time
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Network

- 1) `ifconfig [arguments] interface [options]` : Configure a network interface
- 2) `ifconfig [arguments] [interface]` : View network interface details
- 3) `ip [options] object sub-command [parameters]` : network configuration tool
- 4) `netstat [options]` : network connection monitoring tool
- 5) `ping [options] remote server` : checks the network connection to a remote server.
- 6) `curl [options] [URL]` : download or upload files to remote servers.
- 7) `host [options] server` : checks a computers IP address from its host-name or the reverse
- 8) `scp[options]user1@sourcehost:directory/filenameuser2@destinationhost:directory/filename` : securely copy files between computers
- 9) `sftp [options] [user@] hostname [:directory]` : interactively copy files between computers securely



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- 10) ssh [options] [login name] server : securely access a remote computer.
 - 11) traceroute [options] host-name : trace the route packets take to network host
 - 12) wget [options] [URL] : download or upload files from the web non-interactively.
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Miscellaneous

- 1) apt-get install package-name : Install a package
- 2) apt-get remove package-name : Un-install a package
- 3) apt-get update : Update the database of available packages
- 4) apt-get upgrade : Upgrade the packages on the system
- 5) echo [options] [string(s)] : display text on the screen.
- 6) groupadd [options] group : add a group account
- 7) clear : clears the terminal screen.
- 8) man [options] command : display the reference manual for a command.
- 9) modprobe [options] modulename : Load or remove a Linux kernel module
- 10) passwd [options] username : change the user password
- 11) shutdown [options] [time] [message] : shut down or restart a system.
- 12) su [options] [username] : switch to another user.
- 13) sudo [options] command : Execute a command as the superuser



- 14) usermod [options] username : Modify a users account configuration
 - 15) useradd [options] username : Add a user account
 - 16) who [options] : report the users logged onto the system.
 - 17) whoami [options] : report the current user.
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File Systems

- 1) fdisk [options] [device] : manipulate partition tables.
 - 2) mkfs [options] device : format a partition with a file system
 - 3) mount [options] type device directory : Mount storage onto the file system
 - 4) umount [options] device and/or directory : Unmount storage from the file system
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System Information

- 1) date [options] +format : display or set the date / time
- 2) du [options] file : display the amount space used in files and directories
- 3) free [options] : displays information about free and used memory on the system
- 4) df [options] file : display the amount of free space on filesystems.