



LINUX FUNDAMENTALS

CHEAT SHEET

Command	Description
<code>man <tool></code>	Opens man pages for the specified tool.
<code><tool> -h</code>	Prints the help page of the tool.
<code>apropos <keyword></code>	Searches through man pages' descriptions for instances of a given keyword.
<code>cat</code>	Concatenate and print files.
<code>whoami</code>	Displays current username.
<code>id</code>	Returns users identity.
<code>hostname</code>	Sets or prints the name of the current host system.
<code>uname</code>	Prints operating system name.
<code>pwd</code>	Returns working directory name.
<code>ifconfig</code>	The <code>ifconfig</code> utility is used to assign or view an address to a network interface and/or configure network interface parameters.
<code>ip</code>	Ip is a utility to show or manipulate routing, network devices, interfaces, and tunnels.
<code>netstat</code>	Shows network status.
<code>ss</code>	Another utility to investigate sockets.

Command	Description
ps	Shows process status.
who	Displays who is logged in.
env	Prints environment or sets and executes a command.
lsblk	Lists block devices.
lsusb	Lists USB devices.
lsof	Lists opened files.
lspci	Lists PCI devices.
sudo	Execute command as a different user.
su	The su utility requests appropriate user credentials via PAM and switches to that user ID (the default user is the superuser). A shell is then executed.
useradd	Creates a new user or update default new user information.
userdel	Deletes a user account and related files.
usermod	Modifies a user account.
addgroup	Adds a group to the system.
delgroup	Removes a group from the system.
passwd	Changes user password.
dpkg	Install, remove and configure Debian-based packages.
apt	High-level package management command-line utility.
aptitude	Alternative to apt .
snap	Install, remove and configure snap packages.

Command	Description
<code>gem</code>	Standard package manager for Ruby.
<code>pip</code>	Standard package manager for Python.
<code>git</code>	Revision control system command-line utility.
<code>systemctl</code>	Command-line based service and systemd control manager.
<code>ps</code>	Prints a snapshot of the current processes.
<code>journalctl</code>	Query the systemd journal.
<code>kill</code>	Sends a signal to a process.
<code>bg</code>	Puts a process into background.
<code>jobs</code>	Lists all processes that are running in the background.
<code>fg</code>	Puts a process into the foreground.
<code>curl</code>	Command-line utility to transfer data from or to a server.
<code>wget</code>	An alternative to <code>curl</code> that downloads files from FTP or HTTP(s) server.
<code>python3 -m http.server</code>	Starts a Python3 web server on TCP port 8000.
<code>ls</code>	Lists directory contents.
<code>cd</code>	Changes the directory.
<code>clear</code>	Clears the terminal.
<code>touch</code>	Creates an empty file.
<code>mkdir</code>	Creates a directory.
<code>tree</code>	Lists the contents of a directory recursively.

Command	Description
mv	Move or rename files or directories.
cp	Copy files or directories.
nano	Terminal based text editor.
which	Returns the path to a file or link.
find	Searches for files in a directory hierarchy.
updatedb	Updates the locale database for existing contents on the system.
locate	Uses the locale database to find contents on the system.
more	Pager that is used to read STDOUT or files.
less	An alternative to more with more features.
head	Prints the first ten lines of STDOUT or a file.
tail	Prints the last ten lines of STDOUT or a file.
sort	Sorts the contents of STDOUT or a file.
grep	Searches for specific results that contain given patterns.
cut	Removes sections from each line of files.
tr	Replaces certain characters.
column	Command-line based utility that formats its input into multiple columns.
awk	Pattern scanning and processing language.
sed	A stream editor for filtering and transforming text.
wc	Prints newline, word, and byte counts for a given input.
chmod	Changes permission of a file or directory.

Command

Description

chown

Changes the owner and group of a file or directory.