50 Most Used Linux Commands

Suppose, you've started to use **Linux** recently, and you're quite new to the command line interface. But one thing is certain: if you want to learn about some frequently used **Linux** commands and practice them on your own then you've found the right place. Here, we've discussed the **50 most used Linux commands** with a brief description and practical examples.

List of 50 Most Used Linux Commands

1. sudo command

Sudo can be referred as the supreme command. It is the abbreviation for "Super User DO". It allows a user to act as a **superuser** and run commands accordingly. One can run certain commands prefixed by **sudo** with boosted rights. It is considered analogous to the "**run as administrator**" process of Windows.

Synopsis

sudo -h -K -k -V
<pre>sudo -v [-ABknS] [-g group] [-h host] [-p prompt] [-u user]</pre>
<pre>sudo -l [-ABknS] [-g group] [-h host] [-p prompt] [-U user]</pre>
[-u <u>user</u>] [<u>command</u>]
<pre>sudo [-ABbEHnPS] [-C num] [-D directory] [-g group]</pre>
[-h <u>host</u>] [-p <u>prompt</u>] [-R <u>directory</u>] [-r <u>role</u>]
<pre>[-t type] [-T timeout] [-u user] [VAR=value] [-i -s]</pre>
[<u>command</u>]
<pre>sudoedit [-ABknS] [-C num] [-D directory] [-g group]</pre>
[-h <u>host</u>] [-p <u>prompt</u>] [-R <u>directory</u>] [-r <u>role</u>]
[-t <u>type</u>] [-T <u>timeout</u>] [-u <u>user]</u> <u>file</u>

Useful Options

-D directory, --chdir=directory (executes the command in the specific directory)

-e (edits one or multiple files instead of executing commands)

-I (runs specific commands as the root user)

-u user, --user=user (executes the command as a user other than the specific default user)

Example

<pre>softeko@ubuntu:~/Desktop> apt install XYZ</pre>
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13:
Permission denied
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-fro
ntend), are you root?

Any general user cannot install any packages on the machine. However, with **sudo** prefixed with the command, the user can execute his/her task by providing his/her password.

softeko@ubuntu:~/Desktop> sudo apt install XYZ
[sudo] password for softeko:

2. pwd command

Pwd is the abbreviation for **P**rint **W**orking **D**irectory. As the name suggests, it prints the name of the **current/working** directory all the way beginning from the root(/) directory.

Synopsis



Useful Options

-L, --logical (Even as it carries symlinks, PWD utilizes from the environment.) **-P, --physical** (avoid the symlinks)

When no option is mentioned, it is assumed that option -P is being used.

Example

softeko@ubuntu:~/Desktop/Current Directory> pwd
/home/softeko/Desktop/Current Directory ~_____
softeko@ubuntu:~/Desktop/Current Directory>

Generally, Terminal prompts have a complete directory in the name. Otherwise, pwd becomes a handy command to get insights about the current working directory.

3. cd command

Change Directory(cd) allows one to change one's current directory to the desired directory within the **terminal**.

Synopsis

```
softeko@ubuntu:~/Desktop/Current Directory> type cd
cd is a shell builtin
softeko@ubuntu:~/Desktop/Current Directory> help cd
cd: cd [-L|[-P [-e]] [-@]] [dir]
    Change the shell working directory.
    Change the current directory to DIR. The default DIR is the va
lue of the
    HOME shell variable.
    The variable CDPATH defines the search path for the directory c
ontaining
    DIR. Alternative directory names in CDPATH are separated by a
colon (:).
```

Note: cd is a shell built-in command, it doesn't have a dedicated man(manual) page. However, you can get help using command help!

Useful Options

cd ~[username] — change the directory to the home directory of the specified user.

cd .. — changes directory one directory up the current directory.

cd - — changes the directory to the previously changed directory.

Example



In our Desktop directory, we have a 3-level nested directory. we want to leap forward to the level 3 directory by jumping one level at a time.

softeko@ubuntu:~/Desktop> ls
'Current Directory' FIFA_World_Cup_2022 file2 level1
Examples file1 file3 Locate
softeko@ubuntu:~/Desktop> cd level1/
softeko@ubuntu:~/Desktop/level1> cd level2/
softeko@ubuntu:~/Desktop/level1/level2> cd level3/
softeko@ubuntu ~/Desktop/level1/level2/level3>

We have changed our mind, now we want to be at level2. Therefore, we just need to go one directory backward which can easily be done by executing the command **cd**..

softeko@ubuntu:~/Desktop/level1/level2/level3> cd ..
softeko@ubuntu:~/Desktop/level1/level2> <----</pre>

Lastly, we have come to the conclusion that we want to be in the home(\sim) directory. This can be simply done by executing **cd** \sim (tilde represents home directory).

softeko@ubuntu:	<pre>~/Desktop/level1/level2></pre>	cd	~
softeko@ubuntu 🧲			

4. Is command

Lists the contents, both files and subdirectories of the current directory by default. It is one of the most used commands, as one can view the contents of a directory without exiting the terminal and perform their desired tasks on the specific contents.

Synopsis



Useful Options

- -a doesn't ignore the hidden files (files named with .(dot) at the beginning).
- -h print sizes in human-readable forms.
- -I lists in a long form.
- -S Sorts according to file size, largest first.

Example

After being at the **root(/)** directory, if we run the **Is** command we can view the contents of the root directory.

softek	softeko@ubuntu:~/Desktop> ls /							
bin	dev	lib	libx32	mnt	root	snap	sys	var
boot	etc	lib32	lost+found	opt	run	srv	tmp	
cdrom	home	lib64	media	proc	sbin	swapfile	usr	
softek	softeko@ubuntu:~/Desktop>							

5. cat command

Prints the contents of the file specified. Generally, **cat** (con**cat**enates) reads the contents of the files fed to its arguments and prints them serially on the terminal.

Synopsis



Useful Options

-n, --number — Displays line numbers when utilized.

Example

We can display the contents of a file simply by using the **cat** command followed by the file name.

```
softeko@ubuntu:~> cat Greetings
Welcome to LinuxSimply. One go-to-place to find
solutions of your problems related to Linux. Good
Luck! to your upcoming journey!!!
softeko@ubuntu:~>
```

6. mv command

Mv is the abbreviation for move. As the name suggests it moves things from one place to another place. mv moves one or multiple files to the specified destination directory. If the directory doesn't exist it just renames the files. mv can also be used to move directories and their contents.

Synopsis



Useful Options

-i, --interactive (Displays interactive prompt before completing the modification)

-t, --target-directory=DIRECTORY (Moves every specified file to the targeted DIRECTORY)

-v, --verbose (Prints message of what is being performed.)

Example



In the desktop directory, there are two subirectories named Folder1 & Folder2 which respectively contains two files named file1 & file2. Now lets **move** file2 to folder1.



7. cp command

Cp is the abbreviation for **copy**. As the name suggests it copies things from one place to another place. **cp** copies one or multiple files to the specified destination directory. If the directory doesn't exist it just renames the files. **cp** can also be used to copy directories and their contents.

Synopsis



Useful Options

-i, --interactive (Displays interactive prompt before completing the modification)
-R, -r, --recursive (Copies the directories as well as its contents recursively)
-v, --verbose (Prints message of what is being performed.)

Example



In the desktop directory, there are two subdirectories named Folder1 & Folder2. In folder1 there is a file named file2. Let's make a **c**o**p**y of file2 in the Folder2 directory.



8. rm command

Rm is the abbreviation for **rem**ove. As the name suggests it removes things and the removal is **permanent**, so be cautious while using it. **rm** can also be used to remove directories and their contents permanently.

Synopsis



Useful Options

-i (Displays interactive prompt before completing the deletion each time)

-I (Less intuitive than -i, Only shows prompt while deleting 3 or more files or deleting recursively.)

-d, --dir (Removes the empty directories)

-R, -r, --recursive (Removes the directories as well as its contents recursively)

-v, --verbose (Prints message of what is being performed.)

Example



In the desktop directory, there are two subdirectories named Folder1 & Folder2. Folder2 contains a file named file2. let's **rem**ove file2.



Now, Folder2 is empty let's remove this directory. To remove an empty directory option **-d** has to be used.



Finally, we have decided that Folder1 is also of no use to us. Let's remove this directory. However, it is not an empty directory so **-d** will not work. Instead, we have to use **-r**.



Disclaimer: You cannot retrieve anything after removing it through the **rm** command. So, better be careful with **rm**.

9. touch command

The **touch** command allows us to update a file's access or modification time. However, if the file doesn't exist we can **create** that file. This ability to create files makes the **touch** command one of the most useful commands.

Synopsis

touch [OPTION]... FILE...

Useful Options

-a (changes only the access time)-m (changes only the modification time)

Example



We created 3 files in our current directory, Desktop named file1, file2 and file3 with the help of the **touch** command.

10. mkdir command

mkdir is the abbreviation for **make directory**. As the name suggests the **mkdir** command can be used to create one or more directories.

Synopsis



Useful Options

-p - -parents (Creates the necessary parent directories if required)
-v, --verbose (Prints message of what is being performed.)

Example

Let's make a directory named 'Examples' in our desktop directory which will contain one subdirectory named 'NoExamples'.

```
softeko@ubuntu:~/Desktop> ls
file1 file2 file3
softeko@ubuntu:~/Desktop> mkdir -p Examples/NoExamples
softeko@ubuntu:~/Desktop> ls
Examples file1 file2 file3
softeko@ubuntu:~/Desktop> ls Examples/
NoExamples
softeko@ubuntu:~/Desktop>
```

Note: Option **-p** is used to create the necessary parent directory, in this case, which is 'Examples'.

11. locate command

The **locate** command performs the search operation from an **existing database** and prints the results with the exact directory path.

Synopsis



Useful Options

-c (Does not print any matches rather total occurring number)

-e (Only prints the existing match)

-i (Ignores the sensitivity of cases)

Example

We have a file named Greetings in our '/home' directory. After changing our current directory from '/home' to '/Desktop/Locate' we operated the **locate** command.

softeko@ub	untu:~> ls							
Desktop	Documents	Greetings	Pictures	snap	Videos			
Directory	Downloads	Music	Public	Templates				
softeko@ub	<pre>softeko@ubuntu:~> cd Desktop/Locate/</pre>							
softeko@ub	<pre>softeko@ubuntu:~/Desktop/Locate> locate Greetings</pre>							
/home/softeko/Greetings 🚤 🔤								
softeko@ub	untu:~/Desk	top/Locate>						

12. find command

The find command searches in real-time not like the locate command from an existing file.

Synopsis

find	[-H]	[-L]	[-P]	[- D	debugopts]	[-Olevel]	[starting-
point] [expres	sion]				

Useful Options

-type d/f (d(limits the search to only directories), f(limits the search to only files)).
-size +n,n,-n (Finds for a specific size n.)
-name pattern (Will search for the given pattern)
-exec (can be used to perform our customized tasks on the matches.)

Example

We will only limit the find operation to directory type.



13. grep command

The **grep** command can be used to search patterns in specific files or each file. Then prints the entire line containing the match.

Synopsis

grep	[<u>OPTION</u>]	PATTERNS [FILE]
grep	[<u>OPTION</u>]	-e <u>PATTERNS</u> [<u>FILE</u>]
grep	[<u>OPTION</u>]	-f <u>PATTERN_FILE</u> [FILE]

Useful Options

-c (Does not print any matches rather total occurring number)

- -i (Ignores the sensitivity of cases)
- -w (search for a whole word)

Example

We have a text file named "<u>FIFA_World_Cup_2022</u>" in our desktop directory. Let's search for 'FIFA' in the file.

softeko@ubuntu:~/Desktop> ls
Examples FIFA_World_Cup_2022 file1 file2 file3 Locate
softeko@ubuntu:~/Desktop> grep FIFA FIFA_World_Cup_2022
The 2022 FIFA World Cup is an international association
of FIFA's member associations, and the 22nd FIFA World Cup.
4-2 in the 2018 FIFA World Cup final.
of bribery for hosting rights and wider FIFA
FIFA President Sepp Blatter has twice said that giving
Qatar hosting rights was a "mistake".[8][9] Current FIFA
softeko@ubuntu:~/Desktop>

Now, if we want to just know about the occurrence number, we have to use the **-c** option.

softeko@ubuntu:~/Desktop> grep -c FIFA FIFA_World_Cup_2022
6 <-----</pre>

14. head command

The **head** command prints the **first**(by default 10 lines) few lines of a file.

Synopsis

head [<u>OPTION</u>]... [<u>FILE</u>]...

Useful Options

-n (Prints the first n lines.)

-v, --verbose (Prints message of what is being performed.)

Example

We want to print the first 5 lines of the "<u>FIFA_World_Cup_2022</u>" text file. It can be simply done using the **head** command with **-n5** option

softeko@ubuntu:~/Desktop> ls
Examples FIFA_World_Cup_2022 file1 file2 file3 Locate
softeko@ubuntu:~/Desktop> head -n5 FIFA_World_Cup_2022
The 2022 FIFA World Cup is an international association
football tournament contested by the men's national teams
of FIFA's member associations, and the 22nd FIFA World Cup.
The event is taking place in Qatar from 20 November to 18
December 2022. This is the first World Cup to be held in
softeko@ubuntu:~/Desktop>

15. tail command

The tail command prints the last(by default 10 lines) few lines of a file.

Synopsis

tail [<u>OPTION</u>]... [<u>FILE</u>]...

Useful Options

-n (Prints the last n lines.)

-v, --verbose (Prints message of what is being performed.)

Example

We want to print the first 5 lines of the "<u>FIFA_World_Cup_2022</u>" text file. It can be simply done using the **tail** command with **-n3** option

softeko@ubuntu:~/Desktop> ls
Examples FIFA_World_Cup_2022 file1 file2 file3 Locate
softeko@ubuntu:~/Desktop> tail -n3 FIFA_World_Cup_2022
liberal democracies.[6][7] Others noted it as
representative of declining Western influence in
association football and geopolitics.[5][11]
softeko@ubuntu:~/Desktop>

16. man command

You are whether a beginner or a professional Linux CLI(command line interface) user, the command you will interact with for the most is certainly the **man** command. The **man** command enables the user to learn more about a specific command i.e. syntax, options and arguments of that command.

Synopsis

man	[<u>man options</u>] [[<u>section</u>] <u>page</u>]
man	-k [apropos options] regexp
man	-K [man options] [section] term
man	-f [<u>whatis</u> <u>options]</u> <u>page</u>
man	-l [<u>man</u> <u>options</u>] <u>file</u>
man	-w -W [<u>man</u> <u>options]</u> <u>page</u>

Useful Options & Shortcuts

-k, --apropos (Displays the short manual page on the terminal)
-I, --match-case (Performs case sensitive manual page search)
/pattern (It is a useful search shortcut built-in inside the man page.)

Example

You can **navigate** through the man page using arrow keys and other specific keys. To know more about the **man** page navigation try pressing **h** on the **man** page of any command.

\$ softeko@ubuntu:~/Desktop> man man

MAN(1) Manual pager utils MAN(1) NAME man - an interface to the system reference manu als SYNOPSIS man [man options] [[section] page ...] ... man -k [apropos options] regexp ... man - K [man options] [section] term ... man - f [whatis options] page ... man - 1 [man options] file ... man - w|-W [man options] page ... l page man(1) line 1 (press h for help or q to quit)

You can print short information from the **man** page using option **-k**.

softeko@ubuntu:~/Desktop> man -K touch touch (1) - change file timestamps softeko@ubuntu:~/Desktop>

17. history command

Executing this command one can view the previously used commands in the terminal.

Synopsis

history - GNU History Library

Example

let's view some of our previously executed commands using the history command.

softeka	o@ubuntu:~> history
1	nano .bashrc
2	source bash
3	bash
4	nano .bashrc
5	bash
6	man grep
7	mkdir Folder1 Folder2
8	rm Folder1 Folder2
9	rm Folder1 Folder2 -d
10	ls

18. chmod command

chmod is the abbreviation for **ch**ange **mod**e. The **chmod** command can be used to alter the permission attributes of system contents.

Synopsis

chmod	[<u>OPTION</u>]	<pre>MODE[,MODE] FILE</pre>
chmod	[<u>OPTION</u>]	OCTAL-MODE FILE
chmod	[<u>OPTION</u>]	<pre>reference=RFILE FILE</pre>

Useful Options

u represents user (u+x will empowers user with executable permission.)

g represents **groups** (**g-w** will revoked the modification power of members of the group.) **o** represents **others** (**o+r** will empower others to read the contents.)

a represents **all** (**a=r** will grant everyone accessing power however it will revoke everyone from write and execution permissions.)

-c, --change (reports the occurrence of change.)

Example

The modification permission represented by character w of groups for filem named "file.txt" can be revoked using the command **chmod g-w**.

softeko@ubuntu:~/Desktop> ls -l total 4	
-rw-rw-r 1 softeko softeko 0 Nov 24 12:39 1	
drwxrvxr-x 2 softeko softeko 4096 Nov 24 12:38 softeko@ubuntu:~/Desktop> chmod g-w file.txt	Folder
softeko@ubuntu:~/Desktop> ls -l	
total.4 -rw-r1 softeko softeko 0 Nov 24 12:39 1	filo tyt
drwxrwxr-x 2 softeko softeko 4096 Nov 24 12:39	
softeko@ubuntu:~/Desktop>	

Now, for the directory named "Folder", we want that everyone only be able to read the file. This canbe simply be done by using the command **chmod a=r**.



19. chown command

The **chown (ch**ange **own**er) command can be used to alter the owner of system files & directories.

Synopsis



Useful Options

-c, --change (reports the occurrence of the change.)

-R, --recursive (operates recursivelyon the desired files & directories)

Example

We want to change the ownership of a directory named "Folder". It can be easily done using the **chown** command. However, we need to use **sudo** as a prefix of **chown** as only the **root** user has the permission to do so.

```
softeko@ubuntu:~/Desktop> ls -l
total 32
-rw-rw-r-- 1 softeko softeko 0 Nov 24 13:17 file.txt
drwxr-xr-x 2 softeko softeko 4096 Nov 24 12:38 Folder
-rw-rw-r-- 1 softeko softeko 25229 Nov 24 14:51 World-Cup
softeko@ubuntu:~/Desktop> sudo chown sowad Folder/
softeko@ubuntu:~/Desktop> ls -l
total 32
-rw-rw-r-- 1 softeko softeko 0 Nov 24 13:17 file.txt
drwxr-xr-x 2 sowad softeko 4096 Nov 24 12:38 Folder
-rw-rw-r-- 1 softeko softeko 25229 Nov 24 14:51 World-Cup
softeko@ubuntu:~/Desktop> ls -l
```

20. echo command

The echo common is one of the simplest commands, it prints whatever we give to it.

Synopsis

echo [SHORT-OPTION]... [STRING]...
echo LONG-OPTION

Example

Let's print whatever we want!!!.

<pre>softeko@ubuntu:~/Desktop></pre>	echo	Whatever	we	want!
Whatever we want! 🔫 — — — — — — — — — — — — — — — — — —	-			
<pre>softeko@ubuntu:~/Desktop></pre>				

Let's print today's date. However, if we feed '**date**' to **echo** it will just literally print 'date' so we have to use special syntax **\$(command)**.



21. alias command

The **alias** command can be used to replace a command with user-modified instructions while running the command.



Note: Shell builtin commands don't have **man** pages. The **help** command can be used here.

Example

If we want to remove directories/files with the **rm** command while adding a confirmation prompt we need to run **rm** -**ri**. Now, we can make just **rm** sufficient enough to do the task of **rm** -**ri**, using the **alias** command.



22. passwd command

The passwd command can be used to change the password of a specific user.

Synopsis

passwd - change user password

Useful Options

-d --delete User's password can be deleted.

-e --expire Immediately makes the password expired.

-i --inactive INACTIVE makes the password inactivate after a specific INACTIVATE period.

Example

We can simply change our password for the current user with **passwd** command.

softeko@ubuntu:~> passwd
Changing password for softeko.
Current password:
New password: 🔫
Retype new password:
<pre>passwd: password updated successfully</pre>
softeko@ubuntu:~>

23. less command

The **less** command is used to display the contents of a file on the terminal screen in page by page manner.

Synopsis



Useful Options

-n --line-numbers (when enabled it stops showing line numbers)

-N --LINE-NUMBERS (displays line numbers at starting points of each line.)

Example

We want to view the file named "World_Cup" with line numbers. This can be done by using the **less -N** command.



Arrow keys can be used to navigate through the less view. **Press q** to exit the less display.

FL	Terminal Q =	- u x
	The 2022 FIFA World Cup is an international football tournament contested by the me	
2	national teams of FIFA's member associations, and the 22nd FIFA World Cup. It is tak	king place
	in Qatar from 20 November to 18 December 2022. This is the first World Cup to be he	
4	Arab world, and the second World Cup held entirely in Asia after the 2002 tournamen	t in South
	Korea and Japan.[A] France are the defending champions, having defeated Croatia 4-2	in the
6 7	2018 FIFA World Cup final.	
	This tournament is the last with 32 participating teams, with the field to increase	
) teams for the 2026 edition. Matches at the event will be played in eight venues acro) cities. Because of Qatar's intense summer heat and humidity,[1][2] this World Cup i:	
11	held during November and December.[B][3] It is being played in a reduced timeframe	of 29
	days. The opening match was between Qatar and Ecuador at Al Bayt Stadium, Al Khor. first ever World Cup appearance, Qatar lost 2-0, becoming the first host nation to	
13		cose eneri
14 15	opening game.[4] The final will be held on 18 December 2022.	
16	The choice to host the World Cup in Qatar has received criticism, especially in the	
	world.[5] Criticism focused on Qatar's human rights record, including their treatment migrant workers and women and position on LGBT rights, leading to allegations of	nt of
19	sportswashing.[5][6][7] Others have said Qatar's intense climate and lack of a stro	
) football culture is evidence of bribery for hosting rights and wider FIFA corruption Boycotts of the event were declared by several countries, clubs and individual playe	
21		ers, white
World-C		

24. whoami command

The whoami command simply displays the currently logged-in user.

Synopsis

whoami [OPTION]...

Example

The **whomai** command displays the current user in our case which is softeko.

softeko@ubuntu:~/Desktop> whoami
softeko
softeko@ubuntu:~/Desktop>

25. kill command

Synopsis



Example

softeko@ubuntu:~/Desktop> top

The **top** command can be referred to as the task manager of linux. It shows information regarding CPU and memory optimization.

top - 15:43:26 up 5:12, 2 users, load average: 0.00, 0.00, 0.00 Tasks: 351 total, 1 running, 350 sleeping, 0 stopped, 0 zombie %Cpu(s): 0.3 us, 0.7 sy, 0.0 ni, 99.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st MiB Mem : 4771.8 total, 955.9 free, 1811.3 used, 2004.7 buff/cache MiB Swap: 2950.0 total, 2950.0 free, 0.0 used. 2590.1 avail Mem									
PID	USER	PR	NI	VIRT	RES	SHR S	%CPU	%MEM	TIME+ COMMAND
3603	softeko	20	0	4149448	250736	118440 S	2.7	5.1	1:07.51 gnome-shell
4178	softeko	20	0	575480	58236	43268 S	0.7	1.2	0:23.84 gnome-terminal-
9	root	Θ	-20	0	Θ	ΘI	0.3	0.0	0:00.72 kworker/0:1H-events_highpri
4092	softeko	20	0	2818784	72756	55084 S	0.3	1.5	0:02.73 gjs
6925	root	20	0	0	0	0 I	0.3	0.0	0:05.51 kworker/1:0-events
7708	softeko	20	0	22352	4368	3384 R	0.3	0.1	0:00.04 top
1	root	20	0	166752	11924	8248 S	0.0	0.2	0:02.32 systemd
2	root	20	0	0	0	0 S	0.0	0.0	0:00.03 kthreadd
3	root	Θ	-20	0	0	0 I	0.0	0.0	0:00.00 rcu gp
4	root	Θ	-20	0	Θ	ΘI	0.0	0.0	0:00.00 rcu par gp
5	root	Θ	-20	0	0	0 I	0.0	0.0	0:00.00 netns
7	root	0	-20	0	0	0 I	0.0	0.0	0:00.00 kworker/0:0H-events_highpri
10	root	0	-20	0	0	0 I	0.0	0.0	0:00.00 mm percpu wq

The process ID(**PID**) of the terminal is 4178 in this case. Now using the **kill** command with the PID of the terminal as its argument we can close the terminal.



26. zip Command

zip command is used to compress files or folders into a .**zip** file in UNIX and UNIX-like operating systems. This allows for reducing the size of files and disk usage. Converting many files, and folders into a .zip file allows sharing and maintaining disk location by reducing file zie without any loss.

Synopsis

<pre>zip [-aABcdDeEfFghjklLmoqrRSTuvVwXyz!@\$] [longoption] [-b path] [-n suffixes] [-t date] [-tt date] [zipfile [file]] [-xi list]</pre>
zipcloak (see separate man page)
zipnote (see separate man page)
zipsplit (see separate man page)

Useful Options

-e, --encrypt (encrypt a file with a password which is entered through the prompt) -i *.txt (include the only files with some conditions)

-m (moves the files into the zip files, deletes the original files after compression)

-r, --recurse-paths (compression throughout all the files and folders recursively)

-s, --split-size SIZE (the zip file is split into many different files into a specific size)

Example

We can use **zip** command to compress a single file.

softeko@UBUNTU:~/Desktop\$ zip COMPRESSED.zip file 1 adding: file 1 (deflated 62%)

We can also compress multiple files.

softeko@UBUNTU:~/Desktop\$ zip COMPRESSED.zip file 1 file 2 file 3

updating: file_1 (deflated 62%) adding: file_2 (deflated 59%) adding: file 3 (deflated 62%)

We can encrypt a file with password with -e option.

softeko@UBUNTU:~/Desktop\$ zip -e COMPRESSED.zip file_1 Enter password: Verify password: adding: file 1 (deflated 62%)

We can move the file into a .zip file and delete the original with **-m** option.

softeko@UBUNTU:~/Desktop\$ zip -m COMPRESSED.zip file 1 updating: file 1 (deflated 62%)

27. unzip Command

unzip command is used to extract files from a .zip file. This command creates a new folder in the current directory where the field inside the **zip** files is extracted.

Synopsis

```
unzip [-Z] [-cflptTuvz[abjnoqsCDKLMUVWX$/:^]] file[.zip] [file(s) ...]
[-x xfile(s) ...] [-d exdir]
```

Useful Options

-u (update existing files inside the folder and create new ones if required)

-i (shows the files or folders inside the compressed document)

Example

To simply extract files from a compressed folder, we use **unzip** command.

```
softeko@UBUNTU:~/Desktop$ unzip COMPRESSED.zip
Archive: COMPRESSED.zip
inflating: file_1
inflating: file_2
inflating: file_3
```

We can use -I option too view the files inside the compressed files.

			zip -l COMPRESSED.zip
	COMPRESSED.		
Length	Date	Time	Name
595123	2022-11-23	11:03	file 1
418307	2022-11-23	11:04	file 2
389179	2022-11-23	11:04	file_3
1402609			3 files

28. wget Command

wget is a download command which downloads files or webpages non-interactively from the network.

Synopsis

wget [<u>option</u>]... [<u>URL</u>]...

Useful Options

-b (downloads a file in the background)

-c (continues a partially downloaded file)

Example

To download a webpage, we can use wget command.

softeko@UBUNTU:~/Desktop\$ wget www.linuxsimply.com URL transformed to HTTPS due to an HSTS policy --2022-11-23 12:17:49-- https://www.linuxsimply.com/ Resolving www.linuxsimply.com (www.linuxsimply.com)... 172.67.219.37, 104.21.67. 91, 2606:4700:3031::ac43:db25, ... Connecting to www.linuxsimply.com (www.linuxsimply.com)|172.67.219.37|:443... co nnected. HTTP request sent, awaiting response... 301 Moved Permanently Location: https://linuxsimply.com/ [following] --2022-11-23 12:17:51-- https://linuxsimply.com/ Resolving linuxsimply.com (linuxsimply.com)... 104.21.67.91, 172.67.219.37, 2606 :4700:3035::6815:435b, ... Connecting to linuxsimply.com (linuxsimply.com) | 104.21.67.91 |: 443... connected. HTTP request sent, awaiting response... 200 OK Length: unspecified [text/html] Saving to: 'index.html' [<=> 1 56.96K --.-KB/s index.html in 0.1s 2022-11-23 12:17:52 (486 KB/s) - 'index.html' saved [58324]

To download a webpage in the background requires -b option.

softeko@UBUNTU:~/Desktop\$ wget -b www.linuxsimply.com
Continuing in background, pid 8861.
Output will be written to 'wget-log'.

29. df command

df (**d**isk **f**ree) command shows the size, used, available space and mounted on the information of the filesystem.

Synopsis

df [<u>OPTION</u>]... [<u>FILE</u>]...

Useful Options

-a, --all (displays all file systems including inaccessible or hidden files)

-h, --human-readable (displays information in human-readable format)

-t, --type=file_type (displays files of a certain file type)

-I, --local (displays local file system)

Example

Using only df command shows default information.

softeko@UBUNTU	l:~/Desktop	df			
Filesystem	1K-blocks	Used	Available	Use%	Mounted on
tmpfs	810584	2136	808448	1%	/run
/dev/sda3	50770432	23813584	24345444	50%	/
tmpfs	4052900	Θ	4052900	<mark>0</mark> %	/dev/shm
tmpfs	5120	4	5116	1%	/run/lock
/dev/sda2	524252	5364	518888	2%	/boot/efi
tmpfs	810580	4732	805848	1%	/run/user/1002

Using df -h shows us the file size in a human-readable format.

softeko@UBUNTU:	~/Desk	top\$	df-h		
Filesystem	Size	Used	Avail	Use%	Mounted on
tmpfs	792M	2.1M	790M	1%	/run
/dev/sda3	49G	23G	24G	50%	/
tmpfs	3.9G	0	3.9G	<u>0</u> %	/dev/shm
tmpfs	5.0M	4.0K	5.0M	1%	/run/lock
/dev/sda2	512M	5.3M	507M	2%	/boot/efi
tmpfs	792M	4.7M	_ 787M	1%	/run/user/1002

Using df file_name shows information about only the file_name.

```
softeko@UBUNTU:~/Desktop$ df COMPRESSED.zip
Filesystem 1K-blocks Used Available Use% Mounted on
/dev/sda3 50770432 23813584 24345444 50% /
```

30. ping command

ping (Packet Internet Groper) command shows the information about the network information about the host and the server. It can check the internet connection and show the latency between the host and server.

Synopsis

<pre>ping [-aAbBdDfhLnOqrRUvV46] [-c count] [-F flowlabel] [-i interval]</pre>
<pre>[-I <u>interface</u>] [-l preload] [-m mark] [-M pmtudisc_option]</pre>
<pre>[-N nodeinfo_option] [-w deadline] [-W timeout] [-p pattern]</pre>
<pre>[-Q tos] [-s packetsize] [-S sndbuf] [-t ttl]</pre>
[-T <u>timestamp</u> <u>option</u>] [hop] {destination}

Useful Options

-c COUNT (sends COUNT number of ECHO_REQUEST)

- -i COUNT (sends a packet in every COUNT second interval)
- -f (flood ping with rapid display, **sudo** permission is needed)

Example

Finds information about the localhost, exiting the command needed, using ctrl+c.

```
softeko@UBUNTU:~/Desktop$ ping localhost
PING localhost (127.0.0.1) 56(84) bytes of data.
64 bytes from localhost (127.0.0.1): icmp_seq=1 ttl=64 time=0.018 ms
64 bytes from localhost (127.0.0.1): icmp_seq=2 ttl=64 time=0.029 ms
64 bytes from localhost (127.0.0.1): icmp_seq=3 ttl=64 time=0.036 ms
64 bytes from localhost (127.0.0.1): icmp_seq=3 ttl=64 time=0.029 ms
64 bytes from localhost (127.0.0.1): icmp_seq=4 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=5 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=6 ttl=64 time=0.027 ms
64 bytes from localhost (127.0.0.1): icmp_seq=7 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=8 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=8 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=8 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=8 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=8 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost (127.0.0.1): icmp_seq=9 ttl=64 time=0.026 ms
64 bytes from localhost ping statistics ---
9 packets transmitted, 9 received, 0% packet loss, time 8171ms
7tt min/avg/max/mdev = 0.018/0.028/0.041/0.006 ms
```

Finds **ping** information about a website exiting the command needed, using **ctrl+c**.

<pre>softeko@UBUNTU:~\$ ping www.linuxsimply.com</pre>								
PING www.linuxsimply.com (172.67.219.37) 56(84) bytes of data.								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=1 ttl=128 time=48.2 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=2 ttl=128 time=48.9 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=3 ttl=128 time=47.4 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=4 ttl=128 time=47.3 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=5 ttl=128 time=47.7 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=6 ttl=128 time=50.7 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=7 ttl=128 time=47.4 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=8 ttl=128 time=47.8 ms								
64 bytes from 172.67.219.37 (172.67.219.37): icmp_seq=9 ttl=128 time=47.1 ms								
^C								
www.linuxsimply.com ping statistics								
9 packets transmitted, 9 received, 0% packet loss, time 8015ms								
rtt min/avg/max/mdev = 47.096/48.052/50.727/1.077 ms								

We can add **-c NUM** option to limit the number of packets using ping.

softeko@UBUNTU:~/Desktop\$ ping -c 3 localhost PING localhost (127.0.0.1) 56(84) bytes of data. 64 bytes from localhost (127.0.0.1): icmp_seq=1 ttl=64 time=0.025 ms 64 bytes from localhost (127.0.0.1): icmp_seq=2 ttl=64 time=0.031 ms 64 bytes from localhost (127.0.0.1): icmp_seq=3 ttl=64 time=0.027 ms --- localhost ping statistics ---3 packets transmitted, 3 received, 0% packet loss, time 2025ms rtt min/avg/max/mdev = 0.025/0.027/0.031/0.002 ms

31. diff command

diff command finds checks 2 files and shows the difference between 2 files. Normally, it does not change the content of files, but it can generate a script.

Synopsis

diff [OPTION]... FILES

Useful Options

-c (shows the differences between the 2 files in context mode)

- -u, -U, --unified (shows the unified context of the 2 files)
- -r, --recursive (compares files inside any subdirectories)
- -i, --ignore-case (ignore cases)

Example

Using the diff command with 2 files shows the difference between those 2 files.

<pre>softeko@UBUNTU:~/Desktop\$</pre>	diff file_1.txt file_2.txt	
2,5c2,4		
< Linux		
< Ubuntu		
< 22.04		
< Jammy Jellyfish		
> MacOS		
> 13.0		
> Ventura		

We can use -u option to see the difference in the unified context of 2 files.



Option **-c** shows both files in context mode.

<pre>softeko@UBUNTU:~/Desktop\$ diff -c file_1.txt file_2.txt *** file_1.txt 2022-11-23 12:42:27.909161219 +0600 file_2.txt 2022-11-23 12:44:17.260027429 +0600 **********************************</pre>
*** 1,6 **** OS ! Linux
! Ubuntu ! 22.04
! Jammy Jellyfish Bye 1,5
0S ! MacOS ! 13.0
Yentura Bye

32. ps command

ps (Process Status) command shows the process status and information about that process.

Synopsis

ps [options]

Useful Options

-a, --all (shows all the processes including hidden processes)

-r (shows all the running processes)

--pid PID (shows the specific process according to PID)

Example

Simply typing **ps** shows the process status of the Linux system.

softeko@UBUNTU:	~/Deskto	p\$ ps	- r	
PID TTY	STAT	TIME	COMMAN	ND
9147 pts/0	R+	0:00	ps -r	

Option -a shows all the processes including hidden processes.

softeko@l	JBUNTU:~/	Desktop	ps -a
PID T	ΓTY	TIME	CMD
5660 t	tty2	00:00:00	gnome-session-b
9148 p	ots/0	00:00:00	ps

To look into a specific process, --pid command is used.

```
      softeko@UBUNTU:~/Desktop$
      ps

      PID TTY
      TIME CMD

      8794 pts/0
      00:00:00 bash

      9149 pts/0
      00:00:00 ps

      softeko@UBUNTU:~/Desktop$
      ps --pid 8794

      PID TTY
      TIME CMD

      8794 pts/0
      00:00:00 bash
```

33. apt command

apt (**A**dvanced **P**ackage **T**ool) command manages different packages including install, remove, update, etc.

Synopsis

```
apt [-h] [-o=config_string] [-c=config_file] [-t=target_release]
[-a=architecture] {list | search | show | update |
install pkg [{=pkg_version_number | /target_release}]... |
remove pkg... | upgrade | full-upgrade | edit-sources |
{-v | --version} | {-h | --help}}
```

Useful Options

apt [install, update, upgrade] (downloads package information and install, update or upgrade the package, **sudo** permission is required)

apt full-upgrade (upgrade all installed packages, even remove some if required)

apt remove Package_Name (removes a specific package)

apt autoremove (removes unneeded dependencies)

apt --only-upgrade install Package_Name (installs or upgrades a specific package)

Example

sudo apt update command updates all packages.

<pre>softeko@UBUNTU:~/Desktop\$ sudo apt update</pre>
[sudo] password for softeko:
<pre>Hit:1 https://dl.google.com/linux/chrome/deb stable InRelease</pre>
Hit:2 http://us.archive.ubuntu.com/ubuntu jammy InRelease
Get:3 http://us.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB]
<pre>Get:4 http://us.archive.ubuntu.com/ubuntu jammy-backports InRelease [99.8 kB]</pre>
<pre>Get:5 http://us.archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]</pre>
Get:6 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [726
kB]
Get:7 http://us.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [380
kB]
Get:8 http://us.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [164
kB]
Get:9 http://us.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metada
ta [95.0 kB]
Get:10 http://us.archive.ubuntu.com/ubuntu jammy-updates/restricted i386 Package
s [23.4 kB]
Get:11 http://us.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packag
es [445 kB]

We can use sudo apt upgrade command to upgrade all available packages.

softeko@UBUNTU:~/Desktop\$ sudo apt upgrade Reading package lists... Done Building dependency tree... Done Reading state information... Done Calculating upgrade... Done # # News about significant security updates, features and services will # appear here to raise awareness and perhaps tease /r/Linux ;) # Use 'pro config set apt_news=false' to hide this and future APT news. # The following packages have been kept back: apport apport-gtk python3-apport python3-problem-report The following packages will be upgraded: firmware-sof-signed libflac8 libfreerdp-client2-2 libfreerdp-server2-2 libfreerdp2-2 libwinpr2-2 rsync 7 upgraded, 0 newly installed, 0 to remove and 4 not upgraded. 5 standard LTS security updates Need to get 1,223 kB/2,624 kB of archives. After this operation, 1,172 kB of additional disk space will be used. Do you want to continue? [Y/n] y The autoremove option removes all unneeded dependencies.

softeko@UBUNTU:~/Desktop\$ sudo apt autoremove Reading package lists... Done Building dependency tree... Done Reading state information... Done 0 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.

The --only-upgrade Packae_name option updates a specific package.

```
softeko@UBUNTU:~/Desktop$ sudo apt --only-upgrade install google-chrome-stable
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
google-chrome-stable is already the newest version (107.0.5304.110-1).
0 upgraded, 0 newly installed, 0 to remove and 4 not upgraded.
```

34. dd command

dd command converts and copies a file to another directory. This command can be used to create a backup inside the hard drive or an external hard drive.

Synopsis

dd [<u>OPERAND</u>]...
dd <u>OPTION</u>

Useful Options

if (read the file instead of standard input) **of** (write the file instead of standard output)

Example

dd command is used to back up a folder into another directory as backup.img file.

```
softeko@Ubuntu:~$ sudo dd if=/dev/sda of=~/backup.img
[sudo] password for softeko:
dd: writing to '/home/softeko/backup.img': No space left on device
46645353+0 records in
46645352+0 records out
23882420224 bytes (24 GB, 22 GiB) copied, 173.489 s, 138 MB/s
```

35. top command

top (Table **O**f **P**rocesses) command shows the currently running process inside linux. It gives a dynamic but not interactive view of the process.

Synopsis

```
top -hv|-bcEeHiOSs1 -d secs -n max -u|U user -p pids -o field -w [cols]
The traditional switches `-' and whitespace are optional.
```

Useful Options

-n NUM (shows the top NUM number of processes)

-u PARAS (shows the processes according to PID or User as given as paras) -d TIME (shows a dynamic view which updates in TIME tenth of seconds)

Example

Simply typing top shows the processes dynamic	amically.
--	-----------

top - Tasks: %Cpu(s	15 2 ;):	:05:50 up 89 total, 1.0 us, : 7915.8	4: 1 1.	:24, Lrur .0/sy	nning, 28 /, 0.0 r	, load 38 sleep ni, 98.0	ing, id, (0 9.0	stoppe wa,	ed, 0 0.0 hi,	zombie 0.0 si,	
MiB Sw	/ap	: 2048.0) to	otal,	, 2048	.0 free,		9.0	used.	6370	.4 avail	Mem
PI	D		PR	NI	VIRT	RES			%CPU	%MEM		COMMAND
582	20	softeko	20	0	4436744	267592	121020	S	4.7	3.3	1:43.39	gnome-s+
876	64	softeko	20	0	639328	56072	42456	S	1.0	0.7	0:08.06	gnome-t+
603	80	softeko	20	Θ	320932	7604	6820	S	0.3	0.1	0:00.53	gsd-hou+
922	25	root	20	0	0	0	0	Ι	0.3	0.0	0:00.97	kworker+
	1	root	20	Θ	168240	13504	8168	S	0.0	0.2	0:04.76	systemd
	2	root	20	0	Θ	0	0	S	0.0	0.0	0:00.05	kthreadd
	3	root	Θ	-20	Θ	0	0	Ι	0.0	0.0	0:00.00	rcu_gp
	4	root	Θ	-20	Θ	0	0	Ι	0.0	0.0	0:00.00	rcu_par+
	5	root	Θ	-20	Θ	0	Θ	Ι	0.0	0.0	0:00.00	netns
	7	root	Θ	-20	Θ	0	0	Ι	0.0	0.0	0:00.00	kworker+
	9	root	0	-20	0	0	0	Ι	0.0	0.0	0:02.17	kworker+
1	.0	root	0	-20	0	Θ	0	Ι	0.0	0.0	0:00.00	mm_perc+
1	1	root	20	0	0	0	0	S	0.0	0.0		rcu tas+
1	.2	root	20	Θ	0	Θ	0	S	0.0	0.0	0:00.00	rcu_tas+
1	.3	root	20	0	Θ	0	Θ	S	0.0	0.0	0:00.37	ksoftir+

We can use option **-n 10** to find the top 10 running processes according to cpu usage.

			•	• •			•	
top - 15:07:1							.00	
Tasks: 289 to	otal, 1 ru	nning, 28	88 sleep	oing, 🤅) stoppe	ed, 0	zombie	
%Cpu(s): 0.2	2 us, 0.2 s	y, 0.0 i	ni, 99.7	'id, 0.	0 wa,	0.0 hi,	0.0 si,	, 0.0 st
MiB Mem :	7915.8 total	, 4834	.8 free,	1217.	6 used	, 1863	.4 buff/d	cache
MiB Swap: 2	2048.0 total	, 2048	.0 free,	Θ.	0 used	6370	.5 avail	Mem
·								
PID USER	PR NI	VIRT	RES	SHR S	5 %CPU	%MEM	TIME+	COMMAND
681 syste	emd+ 20 0	14824	6068	5272 9	5 0.3	0.1	0:16.04	systemd+
5942 softe	eko 20 0	632848	14344	11804 9	5 0.3	0.2	0:00.52	xdg-des+
10084 soft	eko 20 0	22224	4184	3316 F	₹ 0.3	0.1	0:00.04	top
1 root	20 0	168240	13504	8168 5	5 0.0	0.2		systemd
2 root	20 0	Θ	0	0 5	5 0.0	0.0	0:00.05	kthreadd
3 root		Θ	0	0]	0.0	0.0	0:00.00	
4 root	0 -20	Θ	0	0]	0.0	0.0		rcu_par+
5 root	0 - 20	Θ	0	0]	0.0	0.0	0:00.00	
7 root			0	0]		0.0		kworker+
9 root			0	0]		0.0		kworker+
10 root			0	0]		0.0		mm_perc+
11 root			0	0 5		0.0		rcu tas+
12 root			0	0 5		0.0		rcu tas+
13 root			Õ	0 9		0.0		ksoftir+
14 root			õ	0]		0.0		rcu sch+
21 1000	20 0	· ·	v	v .	010			

36. htop command

htop process is quite similar to the top process but in **htop**, the user can have interactive control over the top running processes in Linux. **htop** may need to be installed in the terminal first for usage.

Synopsis

There is no manual page for **htop**, but help, there are different commands and options shown.

<pre>softeko@UBUNTU:~/Desktop\$ htop locales-launch: Data of en_US L htop 3.2.1 (C) 2004-2019 Hisham Muhammad. Released under the GNU GPLv2+.</pre>	ocale not found, generating, please wait
-Cno-color	Use a monochrome color scheme
-ddelay=DELAY	Set the delay between updates, in tenths of seco
nds	
-Ffilter=FILTER	Show only the commands matching the given filter
-hhelp	Print this help screen
-Hhighlight-changes[=DELAY]	Highlight new and old processes
-Mno-mouse	Disable the mouse
-ppid=PID[,PID,PID]	Show only the given PIDs
readonly	Disable all system and process changing features
-ssort-key=COLUMN	Sort by COLUMN in list view (trysort-key=help
for a list)	
-ttree	Show the tree view (can be combined with -s)
-uuser[=USERNAME]	Show only processes for a given user (or \$USER)
-Uno-unicode	Do not use unicode but plain ASCII
-Vversion	Print version info

Example

Simply typing **htop** shows the prompt where each process can be analyzed interactively.

Swp [3,3%	Load a Uptime	Tasks: 117 , 256 thr, 174 kthr; 1 run Load average: 0.06 0.06 0.02 Uptime: 04:35:27							
	USER	PRI	NI	VIRT	RES	SHR S	CPU%⊽	MEM%	TIME+	Command				
	root	20	0	391M	11836	9936 S	0.0	0.1		gdm-session-w				
5563	root	20	θ	391M	11836	9936 S	0.0	0.1		gdm-session-w				
5570	softeko	20		18108	10856	<mark>8</mark> 072 S		0.1	0:01.07	/lib/systemd/				
5571	softeko	20		166M	<mark>4</mark> 364	12 5		0.1	0:00.00	(sd-pam)				
5578	softeko	9		48580	<mark>6</mark> 728	5596 S		0.1	0:00.03	/usr/bin/pipe				
5579	softeko	20		32468	<mark>6</mark> 668	5568 S		0.1	0:00.03	/usr/bin/pipe				
5580	softeko	9		1 471M	28312	21212 S		0.3	0:12.13	/usr/bin/ <mark>puls</mark>				
5583	softeko	20		244M	7536	6552 S		0.1	0:00.13	/usr/bin/gnom				
5584	softeko	20		244M	7536	<mark>6</mark> 552 S		0.1	0:00.00	/usr/bin/gnom				
5590	softeko	20		244M	7536	<mark>6</mark> 552 S		0.1		/usr/bin/gnom				
5597	softeko	20		10460	<mark>6</mark> 660	4172 5		0.1		/usr/bin/dbus				
5599	softeko	20		533M	7616	<mark>6</mark> 916 5		0.1		/usr/libexec/				
	softeko	20		315M	<mark>8</mark> 452	7428 5		0.1		/usr/libexec/				
	softeko	20		533M	7616	<mark>6</mark> 916 5		0.1		/usr/libexec/				
	softeko	20	- 0	533M	7616	<u>6916 5</u>	0.0	0.1		/usr/libexec/				
F1Help	F2Setup	F3 <mark>Searc</mark> l	hF4F	ilter	5Tree	F6Sort	By <mark>F7</mark> Nic	e - <mark>F</mark> 8	Nice + <mark>F9</mark>	Kill <mark>F10</mark> Quit				

37. useradd command

useradd command is used to add a user to the Linux system. sudo command is needed to create a new user. The superuser **sudo** command is required to use this command.

Synopsis

useradd	[options] LOGIN
useradd	- D
useradd	-D [<u>options</u>]

Useful Options

-d DIRECTORY USER_NAME (creates a user in DIRECTORY)
-u, --uid ID (creates a user with the user id of ID)
-g --gid ID (creates a user with a group id of ID)
-M USER (creates a user without any home directory)
-e DATE USER (creates a user with an expiry date)

Example

Creating a simple user is possible with useradd command.

softeko@UBUNTU:~/Desktop\$ sudo useradd linuxsimply
softeko@UBUNTU:~/Desktop\$

Option -d creates a user inside a specific directory.

```
softeko@UBUNTU:~$ sudo useradd -d ~/home/softeko LS
[sudo] password for softeko:
softeko@UBUNTU:~$
```

We can also use -u NUM to create a user with a specific user id.

softeko@UBUNTU:~\$ sudo useradd -u 999 LinuxSimply
softeko@UBUNTU:~\$

38. unalias command

unalias command removes alias created before.

Useful Options

-a (removes all alias)

Example

Removes an alias can be done using **unalias ALS** command.

<pre>softeko@UBUNTU:~/Desktop\$ alias ll='ls -l'</pre>														
softeko@UBUNTU:~/Desktop\$ ll Creating an Alias														
total 1928														
-rw-rw-r 1 softeko softeko 545718 Nov 23 12:04 COMPRESSED.zip														
-rw-rw-r 1 softeko softeko 595123 Nov 23 11:03 file_1														
<pre>-rw-rw-r 1 softeko softeko 42 Nov 23 12:42 file_1.txt</pre>														
-rw-rw-r 1 softeko softeko 418307 Nov 23 11:04 file_2														
-rw-rw-r 1 softeko softeko 26 Nov 23 12:44 file_2.txt														
-rw-rw-r 1 softeko softeko 389179 Nov 23 11:04 file_3														
drwxrwxr-x 2 softeko soft <u>eko 4096 N</u> ov 23 10:47 M <mark>yFolder</mark>														
<pre>softeko@UBUNTU:~/Desktop\$ unalias ll</pre>														
softeko@UBUNTU:~/Desktop\$ ll Removing the Alias														
ll: command not found														

Removing all alias requires using -a option.

softeko@UBUNTU:~/Desktop\$ unalias -a
softeko@UBUNTU:~/Desktop\$

39. uname command

uname command shows information about the system. Without any option it prints Linux.

Synopsis

```
ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind_interface] [-b bind_address]
[-c cipher_spec] [-D [bind_address:]port] [-E log_file]
[-e escape_char] [-F configfile] [-I pkcs11] [-i identity_file]
[-J destination] [-L address] [-l login_name] [-m mac_spec]
[-0 ctl_cmd] [-o option] [-p port] [-Q query_option] [-R address]
[-S ctl_path] [-W host:port] [-w local_tun[:remote_tun]] destination
[command [argument ...]]
```

Useful Options

- -a (displays all information about the system)
- **-o** (displays the operating system name)
- -s (displays the kernel name)
- -p (displays the processor type)

Example

Option -s displays kernel name.

```
softeko@UBUNTU:~/Desktop$ uname -s
Linux
softeko@UBUNTU:~/Desktop$
```

Option -o displays operating system name.

```
softeko@UBUNTU:~/Desktop$ uname -o
GNU/Linux
softeko@UBUNTU:~/Desktop$
```

We can use -a to display all information about the system.

```
softeko@UBUNTU:~/Desktop$ uname -a
Linux UBUNTU 5.15.0-53-generic #59-Ubuntu SMP Mon Oct 17 18:53:30 UTC 2022 x86_6
4 x86_64 x86_64 GNU/Linux
softeko@UBUNTU:~/Desktop$
```

40. ssh command

ssh (Secured Shell) command is used for securely connecting to a remote server.

Synopsis

<pre>ssh [-46AaCfGgKkMNnqsTtVvXxYy] [-B bind_interface] [-b bind_address]</pre>
<pre>[-c cipher_spec] [-D [bind_address:]port] [-E log_file]</pre>
[-e <u>escape_char]</u> [-F <u>configfile]</u> [-I <u>pkcsl1]</u> [-i <u>identity_file]</u>
<pre>[-J destination] [-L address] [-l login_name] [-m mac_spec]</pre>
<pre>[-0 ctl_cmd] [-o option] [-p port] [-Q query_option] [-R address]</pre>
<pre>[-S ctl_path] [-W host:port] [-w local_tun[:remote_tun]] destination</pre>
[<u>command</u> [<u>argument</u>]]
[<u>command</u> [<u>argument</u>]]

41. traceroute command

traceroute command displays the packet route to reach the host. This command can be used to see the different hops or routes it takes to connect with a particular hostname.

Synopsis

```
traceroute [-46dFITUnreAV] [-f first_ttl] [-g gate,...]
        [-i device] [-m max_ttl] [-p port] [-s src_addr]
        [-q nqueries] [-N squeries] [-t tos]
        [-l flow_label] [-w waittimes] [-z sendwait] [-UL] [-D]
        [-P proto] [--sport=port] [-M method] [-0 mod_options]
        [--mtu] [--back]
        host [packet_len]
traceroute6 [options]
tcptraceroute [options]
lft [options]
```

Useful Options

-g Host_name (Routing the packet through a gate or IP address)-m Host_name (Fixing the maximum number of packets)

Example

Simply typing traceroute shows the maximum number of hops and the routes.

soft	<pre>:eko@Ubuntu:~\$ traceroute www.linuxsimply.com</pre>
trac	eroute to www.linuxsimply.com (104.21.67.91), 30 hops max, 60 byte packets
1	_gateway (192.168.0.1)
2	10.100.101.161 (10.100.101.161) 3.270 ms 3.025 ms 2.828 ms
3	10.100.105.13 (10.100.105.13) 2.623 ms 2.444 ms 2.222 ms
4	10.100.105.1 (10.100.105.1) 1.934 ms 1.729 ms 1.537 ms
5	10.10.102.37 (10.10.102.37) 15.671 ms 15.431 ms 15.104 ms
6	43.245.194.98 (43.245.194.98) 2.403 ms 1.756 ms 2.175 ms
7	104.21.67.91 (104.21.67.91) 1.625 ms 1.584 ms 1.540 ms

To fix a gate for routing **-g** option is used.

s	oft	eł	(0(gUb	unti	 :~ \$	5 t	rac	erc	out	e -	-q	192	2.16	58.43	.45	goog	le.co	m				
tı	rac	e	roi	ute	to	god	gl	e.c	com	(1	.42	. 25(0.1	.96.	46),	30	hops	max,	72	byte	e p	ackets	
1		*	*	*																			
2		*	*	*																			
3		*	*	*																			
4		*	*	*																			
5		*	*	*																			
6		*	*	*																			
7		*	*	*																			
8		*	*	*																			
2		*	*	*																			
10		↑ ↓	*	*																			
11		*	*	*																			
12		*	*	*																			
13 14		*	*	*																			
15		*	*	*																			
16		*	*	*																			
17		*	*	*																			
18		*	*	*																			
19		*	*	*																			
20		*	*	*																			

To fix the maximum number of hops, **-m** option is used.

	<pre>teko@Ubuntu:~\$ traceroute -m 5 google.com</pre>
tra	ceroute to google.com (142.250.196.46), 5 hops max, 60 byte packets
1	_gateway (192.168.0.1) 0.763
2	10.100.101.161 (10.100.101.161) 1.978 ms 1.935 ms 2.178 ms
3	10.100.105.13 (10.100.105.13) 1.855 ms 1.818 ms 1.776 ms
4	10.100.105.1 (10.100.105.1) 1.706 ms 1.602 ms 1.568 ms
5	103.12.172.221 (103.12.172.221) 1.302 ms 1.261 ms 1.436 ms

42. groups command

Groups are used to manage multiple users and permissions. Several users can be members of a group and then the group can have permission for some files or folders to manage permissions.

Synopsis

groups [OPTION]... [USERNAME]...

Example

Simply typing groups will display all the available groups in the machine.

```
softeko@Ubuntu:~$ groups
softeko adm cdrom sudo dip plugdev lpadmin lxd sambashare
softeko@Ubuntu:~$
```

We can use id command to find the group's id.

```
softeko@Ubuntu:~$[id_softeko]
uid=1001(softeko)[gid=1001(softeko]] groups=1001(softeko),4(adm),24(cdrom),27(sud
o),30(dip),46(plugdev),122(lpadmin),134(lxd),135(sambashare)
softeko@Ubuntu:~$
```

43. shutdown command

shutdown command is used to shut down the system with some conditions. This command can schedule a shutdown at a specific time or cancel an already scheduled shutdown. The superuser **sudo** permission is required for this command.

Synopsis

shutdown [OPTIONS...] [TIME] [WALL...]

Useful Options

--halt Time/Delay (Schedule a shutdown at a specific time or after a certain delay) -c (Cancel any shutdown command scheduled beforehand)

-r Time/Delay (Schedule a restart at a specific time or after a certain delay)

Example

Option **--halt** can schedule a shutdown at 2:00 PM. The display will also show the date and the region.

softeko@Ubuntu:~\$ sudo shutdown --halt 14:00
[sudo] password for softeko:
Shutdown scheduled for Thu 2022-11-24 14:00:00 +06, use 'shutdown -c' to cancel.

We can also schedule a shutdown after a 5 minute delay --halt option.

```
softeko@Ubuntu:~$ sudo shutdown --halt +5
Shutdown scheduled for Thu 2022-11-24 12:43:34 +06, use 'shutdown -c' to cancel.
softeko@Ubuntu:~$
```

Option -c cancels a shutdown.

```
softeko@Ubuntu:~$ sudo shutdown -c
softeko@Ubuntu:~$
```

44. exit command

exit command exits the terminal. It is a shell command, which means it doesn't have any man page.

Synopsis

```
softeko@Ubuntu:~$ exit --help
exit: exit [n]
Exit the shell.
Exits the shell with a status of N. If N is omitted, the exit status
is that of the last command executed.
```

Example

exit command terminates or exits a terminal.



Now that terminal is not available anymore.



The command **exit** is also used to exit a script. First, a demo script is created and **exit 0** is present at the end.



Now running the script using **bash** command, the script will exit at the end.



45. wc command

wc (**W**ord **c**ount) command is used to count the number of characters or the number of lines in a file.

Synopsis

wc [OPTION]... [FILE]... wc [OPTION]... --files0-from=F

Useful Options

-I File.txt (shows the number of lines)
-w File.txt (shows the number of words)
-c File.txt (shows the number of characters)

Example

Simply typing wc Filename.txt shows the line, word, and character count of the file.



Using -I option shows the number of lines of that file.

softeko@Ubuntu:~/Desktop\$ wc -l Frankenstein.txt
807 Frankenstein.txt

Using -w option shows the number of words in that file.

softeko@Ubuntu:~/Desktop\$ wc -w Frankenstein.txt
74990 Frankenstein.txt

Using -c options shows the number of characters in the file.

softeko@Ubuntu:~/Desktop\$ wc -c Frankenstein.txt
419788 Frankenstein.txt _

46. sort command

sort command sorts the content inside a file and shows it in the display. By default **sort** command sort alphabetically. But different conditions can be applied for flexibility.

Synopsis

```
sort [OPTION]... [FILE]...
sort [OPTION]... --files0-from=F
```

Useful Options

-o Main_file Sorted_File (sort and create a new sorted file)

-r, --reverse File (sort in reverse order for a specific line, sort in horizontal order)

-n, --numeric-sort File (sort in numeric order)

-kNUM (sort by using a key NUM, sorting by NUM column is possible using this option)

Example

Simply typing this command sorts the contents inside a file alphabetically.

<pre>softeko@Ubuntu:~/Desktop\$ sort 0S.txt Android</pre>	
ChromeOS	
Fedora	
IOS	
Kali	
Mac	
Ubuntu	
Windows	

Sorts the content inside a file and creates a new sorted file.

Activitie	s 🛛 Text Editor					Nov 24	2:55 PM	м					*	- ^	4 8	υ
_			_			softeko@Ub	_	Desktop								
	softeko@Ub	untu:~/Desl	ktop\$ <u>s</u> or	⁺t -o Sori	ted0	S.txt OS.	txt									
	softeko@Ub	untu:~/Desl	ktop\$													
A	Open v 🕞		OS.t			Open v 🖻			SortedOS.ta	dt.	Save					
>	1 Windows 2 Mac				-	1 Android			Joencop							
•	3 Ubuntu 4 Kali					2 ChroneOS 3 Fedora					_					
	5 Fedora					4 IOS 5 Kali		Man	Conto	of Eile						
: 🗾	6 Android 7 IOS	Ма	in Fil	e		6 Nac 7 Ubuntu		new	Some	ed File						
	8 Chrone0S			-		8 Windows					-					
•																
0																
									Plain Text 🗸 🛛 T	ab Width: 8 🗸	Ln 1, 0	Col 1		INS		

-nk3 option sorts the using the third column numerically.

softeko@Ub	untu:~/Desk	top\$ sort	-nk3 purchases.txt
robert91	credit	12.00	
steve1	paypal	19.99	
steve1	paypal	34.99	
robert91	credit	49.50	Sorted Column
sherif12	paypal	99.99	
amelie54	paypal	195.50	
sherif12	credit	456.75	

47. cal command

cal command stands for the **cal**endar. It shows calendars in many different formats according to the condition.

Synopsis

```
cal [-3hjy] [-A number] [-B number] [[month] year]
cal [-3hj] [-A number] [-B number] -m month [year]
ncal [-3bhjJpwySM] [-A number] [-B number] [-W number] [-s country_code]
       [[month] year]
ncal [-Jeo] [-A number] [-B number] [year]
ncal [-CN] [-H yyyy-mm-dd] [-d yyyy-mm]
```

Useful Options

-y (shows the whole calendar of the current year)
cal MM YYYY (shows the calendar of the MM month of YYYY year)
cal YYYY (shows the calendar of the YYYY year)
-j (shows the Julian calendar)

Example

Simply typing **cal** shows the current month calendar.

so	ftel	top\$	cal					
	No	/emb	ber	202	22			
Su	Мо	Tu	We	Th				
		1	2	3	4	5		
6	7	8	9	10	11	12		
13	14	15	16	17	18	19		
20	21	22	23	24	25	26		
27	28	29	30					

Using -y option shows the whole year calendar.

s	of	tel	(0 @l	Jbui	ntu	:~/I	Desl	top	\$ Ca													
			Jaı	านลา	rv					202 Fel	22 brua	ary					Ma	arcl	า			
S	u	Мо			-	Fr		Su	Мо	Tu	We	Tĥ			Su	Мо		We		Fr		
	2	3	4	5	6	7	1 8	6	7	1 8	2 9	3 10	4 11	5 12	6	7	1 8	2 9	3 10	4	5 12	
_		10	11					13	14	15	16	17		19	13	14	15	16		18	19	
	· ·	17 24	18 25	19 26	20 27		22 29		21 28	22	23	24	25	26	20 27			23 30		25	26	
		31	23	20	27	20	23	2,	20						27	20	23	50	51			
			۵	ori	1					,	May							June	2			
S	u	Мо		We		Fr	Sa	Su	Мо		We	Th	Fr	Sa	Su	Мо			Th	Fr	Sa	
	2	4	-	c	-	1	2	1	2	3	4	5	6	7	-	~	-	1	2	3	4	
	3 0	4	5 12	6 13	7 14	8 15	9 16	8 15	9 16	10 17	11 18	12 19	13 20	14 21	5 12	6 13	7 14	8 15	9 16	10 17	11 18	
1		18		20		22		22	23		25	26	27	28	19	20		22		24	25	
2	4	25	26	27	28	29	30	29	30	31					26	27	28	29	30			
~				July		-	6	6			ugus		-	6	6			tem		-	6	
5	u	MO	Tu	we	Th	Fr 1	Sa 2	Su	MO 1	2	we 3	1n 4	Fr 5	Sa 6	Su	MO	Tu	we	1	Fr 2	Sa 3	

Typing the month MM and year YYYY shows the calender of that specific month.

sot)esktop\$	cal	12 202	22										
	Dec	cemb	ber	202	22														
Su	Мо	Tu	We	Th	Fr	Sa													
				1	2	3													
4	5	6	7	8	9	10													
11	12	13	14	15	16	17													
18	19	20	21	22	23	24													
25	26	27	28	29	30	31													

Using -3 command shows the calendar of the current, previous and next month.

so	ftel	co@l	Jbui	ntu	:~/[)esk	(tops	\$ Ca													
										2022											
	October								Nov	/eml	ber			December							
Su	Мо	Tu	We	Th	Fr	Sa	Su	Мо	Tu	We	Th	Fr	Sa	Su	Мо	Tu	We	Th	Fr	Sa	
						1			1	2	3	4	5					1	2	3	
2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10	
														11							
16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24	
23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31	
30	31																				

48. nano command

Nano is **ano**ther text editor. It is a simple and intuitive text editor that has many different shortcuts and is very light. It comes with the basic Ubuntu install.

Synopsis

```
nano [options] [[+line[,column]] file]...
nano [options] [[+[crCR](/|?)string] file]...
```

Example

Just typing **nano Filename.txt** starts the nano text editor.

softeko@Ubuntu:~/Desktop\$ nano file.txt

Many shortcuts of nano are available at the bottom of the terminal.



49. du command

du command means **d**isk **u**sage. Using this command the total usage of the disk and the disk usage of the different files are shown in the terminal.

Synopsis

du [OPTION]... [FILE]...
du [OPTION]... --files0-from=F

Useful Options

-a (shows the total disk usge)
-ah (shows all files disk usage)
-time (shows the last modification time)

Example

Just typing du displays the disk usage of the current directory.

```
softeko@Ubuntu:~/Desktop$du
440
softeko@Ubuntu:~/Desktop$
```

-a option can be used to find disk usage of individual files inside the current directory.

softel	:o@Ubuntu:~/Desktop\$ du -a	
412	./Frankenstein.txt	
4	./OS.txt	
4	./file.txt	
8	./poem.txt	
4	./purchases.txt	
4	./SortedOS.txt	
440		

-ah command is used to show all individual files' disk usage in a human-readable format.

softek	o@Ubuntu:~/Desktop\$ <mark>du -ah</mark>
412K	./Frankenstein.txt
4.0K	./OS.txt
4.0K	./file.txt
8.0K	./poem.txt
4.0K	./purchases.txt
4.0K	./SortedOS.txt
440K	

We can use --time option to show the last modification of the directory.

softe	ko@Ubuntu:~/Desktop\$	du	time
440	2022-11-24 15:57		•
softe	ko@Ubuntu:~/Desktop\$		

50. apt-get command

apt-get command is quite similar to the **apt** command. But in **apt-get** common is generally used in the back-end and has backward compatibility. The apt-get (**A**dvanced **P**ackaging **T**ool) command is used for retrieving package and managing (install, upgrade, update, remove) the package.

Synopsis

<pre>apt-get [-asqdyfmubV] [-o=config_string] [-c=config_file] [-t=target_release] [-a=architecture] {update upgrade dselect-upgrade dist-upgrade instell abs [[abs upgrade (to update upgrade up</pre>	
<pre>install pkg [{=pkg_version_number /target_release}] remove pkg purge pkg source pkg [{=pkg_version_number /target_release}] build-dep pkg [{=pkg_version_number /target_release}] download pkg [{=pkg_version_number /target_release}] check clean autoclean autoremove {-v version} </pre>	
{-h help}}	

Useful Options

apt-get [install, update, upgrade, remove] (retrieve the package and install, update, upgrade or remove the package from the system)

--download-only (downloads a package without installing or updating)

- --autoremove, --auto-remove (removes unnecessary packages from the system)
- --version (shows the version)

Example

update command is used to update packages in the system.

softeko@Ubuntu:~/Desktop\$ sudo apt-get update Hit:1 https://dl.google.com/linux/chrome/deb stable InRelease Get:2 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB] Hit:3 http://bd.archive.ubuntu.com/ubuntu jammy InRelease Get:4 http://bd.archive.ubuntu.com/ubuntu jammy-updates InRelease [114 kB] Get:5 http://security.ubuntu.com/ubuntu jammy-security/main amd64 DEP-11 Metadat a [20.1 kB] Get:6 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 DEP-11 Met adata [13.3 kB] Get:7 http://bd.archive.ubuntu.com/ubuntu jammy-backports InRelease [99.8 kB] Get:8 http://bd.archive.ubuntu.com/ubuntu jammy-updates/main amd64 DEP-11 Metada ta [95.2 kB] Get:9 http://bd.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 DEP-11 Me tadata [257 kB] Get:10 http://bd.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 DEP-11 Metadata [940 B] Get:11 http://bd.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 DEP-11 Metadata [11.7 kB] Fetched 723 kB in 3s (213 kB/s) Reading package lists... Done

We can use **autoremove** option to remove unnecessary packages that are not being used.

softeko@Ubuntu:~/Desktop\$ sudo apt-get autoremove Reading package lists... Done Building dependency tree... Done Reading state information... Done The following packages will be REMOVED: chromium-codecs-ffmpeg-extra gstreamer1.0-vaapi i965-va-driver intel-media-va-driver libaacs0 libaom3 libass9 libavcodec58 libavformat58 libavutil56 libbdplus0 libblas3 libbluray2 libbs2b0 libchromaprint1 libcodec2-1.0 libdav1d5 libflashrom1 libflite1 libftdi1-2 libgme0 libgsm1 libgstreamer-plugins-bad1.0-0 libigdgmm12 liblilv-0-0 libmfx1 libmysofa1 libnorm1 libopenmpt0 libpgm-5.3-0 libpostproc55 librabbitmq4 librubberband2 libserd-0-0 libshine3 libsnappy1v5 libsord-0-0 libsratom-0-0 libsrt1.4-gnutls libssh-gcrypt-4 libswresample3 libswscale5 libudfread0 libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1 libvidstab1.1 libx265-199 libxvidcore4 libzimg2 libzmg5 libzvbi-common libzvbi0 mesa-va-drivers mesa-vdpau-drivers pocketsphinx-en-us va-driver-all vdpau-driver-all 0 upgraded, 0 newly installed, 60 to remove and 4 not upgraded. After this operation, 198 MB disk space will be freed. Do you want to continue? [Y/n] y (Reading database ... 196653 files and directories currently installed.) Removing chromium-codecs-ffmpeg-extra (1:85.0.4183.83-0ubuntu2) ... Removing gstreamer1.0-vaapi:amd64 (1.20.1-lubuntu1)

Option **--version** shows the version of the apt-get. It also shows the other possible commands on which **--version** command can be used



Conclusion

In this article, we covered the 50 most used Linux commands that a regular user will encounter most of the time. Of course, there are many more of these commands and each of these commands has many more options and functionality available for the user. You don't need to memorize every one of them and we already have a free pdf document available that covers all these commands.

We will shortly cover every one of these commands individually and go into the details. In the meantime, you can also bookmark this page in case you need to have a look at any of these commands.