

# 50 Linux Commands You Should Know

- ls - list the files and directories in the current directory

- `ls`

- cd - change the current directory

- `cd dir_name`

- mkdir - create a new directory

- `mkdir rohan`

- rmdir - remove a directory

- `rmdir rohan`

- pwd - print the current working directory

- `pwd`

- cp - files or directories

- #We will a file called example.txt from the current directory to a directory called backup

- `cp example.txt backup/`

- `mv` - move or rename files or directories

- `mv example.txt backup/`

- `rm` - remove files or directories

- `rm example.txt`

- `touch` - create a new empty file or update the timestamp of an existing file

- `touch shayan.txt`

- `cat` - concatenate and display files

- `cat example.txt`

- `man` - manual for a command

- `man ls`

- `htop` - an interactive process viewer and system monitor

- htop

- chmod - change the permissions of a file or directory

- # The first digit represents the owner of the file/directory
- # The second digit represents the group that the file/directory belongs to
- # The third digit represents all other users
- # 0 (no permission)
- # 1 (execute only)
- # 2 (write only)
- # 3 (write and execute)
- # 4 (read only)
- # 5 (read and execute)
- # 6 (read and write)
- # 7 (read, write, and execute)
- 
- chmod 700 file.txt

- chown - change the owner of a file or directory

- chown new\_owner example.txt

- tar - create or extract compressed archive files

- # x: extract files from an archive
- # t: list the contents of an archive

- # r: append files to an existing archive
- # z: use gzip compression
- # j: use bzip2 compression
- # cf: create file
- #xf: extract file
- tar cf archive.tar file1 file2 file3

- gzip - compress files

- gzip file.txt

- gunzip - decompress compressed files

- gunzip file.txt.gz

- ssh - connect to a remote server securely

- ssh username@server\_address

- scp - securely files between systems

- scp myfile.txt user@remotehost:/home/user/

- ping - test network connectivity

- `ping 8.8.8.8`

- `ifconfig` - display or configure network interfaces

- `ifconfig`

- `netstat` - display network connection information

- `netstat`

- `route` - view or configure network routing tables

- `route [options] [add/delete/show]`

- `top` - display system resource usage and processes

- `top`

- `ps` - display information about running processes

- `ps aux`

- `kill` - terminate a process

- `kill [PID]`

- `systemctl` - control system services and settings

- `# Start the nginx service`
- `systemctl start nginx`
- 
- `# Check the status of the nginx service`
- `systemctl status nginx`
- 
- `# Stop the nginx service`
- `systemctl stop nginx`

- `service` - control system services

- `service apache2 start`

- `useradd` - add a new user to the system

- `useradd harry`

- `passwd` - change the password for a user

- `passwd harry`

- userdel - delete a user from the system

- `userdel harry`

- su - switch user to become another user

- `su john`

- sudo - execute a command as another user or with elevated privileges

- `sudo`

- uptime - display system uptime and load average

- `uptime`

- df - display disk space usage

- `df`

- du - display disk usage by file or directory

- `du`

- mount - mount a file system

- `sudo mount /dev/sdb1 /mnt/usb`

- umount - unmount a file system

- `sudo umount /mnt/usb`

- date - display or set the system date and time

- `date`

- whoami - display the current user name

- `whoami`

- which - locate a program or command in the system path

- `ls`

- finger - displays all the information about user

- `finger harry`



- `uname` - display system information

- `uname`
- `uname -a`

- `history` - display a list of previously executed commands

- `history`

- `echo` - display text or variables to the console

- `echo 'I need Tshirt from codeswear!'`

- `tee` - redirect output to both a file and the console

- `$ ls | tee file.txt`

- `locate` - locate any file on the system

- `locate file.txt`

- `sort` - sort lines of text in a file or input

- `cat file.txt`

- banana
- orange
- apple
- sort file.txt
- apple
- banana
- orange

- uniq - remove duplicate lines from a file or input

- cat file.txt
- apple
- orange
- banana
- apple
- banana
- uniq file.txt
- apple
- orange
- banana

- head/tail - display the first/last few lines of a file or input

- #display first 10 lines
- head file.txt
- 
- #display last 10 lines

- `tail file.txt`