

🔍 Linux Command Cheat Sheet

1. System Information

uname -a

Show kernel, OS, CPU info

hostname

Display system hostname

whoami

Show current logged-in user

id

Show user ID and group ID

uptime

Show system running time

2. File & Directory Management

pwd

Print working directory

ls

List files

ls -la

List all files with details

cd /path

Change directory

mkdir dir

Create new directory

rmdir dir

Remove empty directory

rm -r dir

Remove directory with contents

3. File Operations

cat file

Show file content

less file

View file (scrollable)

head file

Show first 10 lines

tail file

Show last 10 lines

cp src dst

Copy file

mv old new

Move/Rename file

rm file

Delete file

touch file

Create empty file

4. User Management

who

Show logged-in users

w

Show who is logged in + processes

adduser user

Add new user

passwd user

Change password

su user

Switch user

sudo cmd

Run command as root

5. Process Management

ps aux

Show running processes

top

Display active processes

htop

Interactive process viewer (if installed)

kill PID

Kill process by ID

killall name

Kill processes by name

6. Permissions

ls -l

Show file permissions

chmod 755 file

Change permissions (rwxr-xr-x)

chown user file

Change file owner

chgrp grp file

Change file group

7. Networking

ifconfig

Show IP addresses (deprecated, use `ip`)

ip a

Show IP addresses

ping host

Check connectivity

curl url

Fetch data from URL

wget url

Download file

netstat -tulnp

Show listening ports (or use `ss -tulnp`)

8. Package Management (Debian/Ubuntu - APT)

sudo apt update

Update package list

sudo apt upgrade

Upgrade all packages

sudo apt install pkg

Install package

sudo apt remove pkg

Remove package

8. Package Management (RedHat/CentOS - YUM/DNF)

sudo yum install pkg

Install package

sudo yum update

Update system

sudo yum remove pkg

Remove package

9. Disk & Storage

df -h

Show disk usage

du -sh dir

Show directory size

mount

Show mounted filesystems

lsblk

List block devices

10. Archive & Compression

tar -cvf file.tar dir

Create tar archive

tar -xvf file.tar

Extract tar archive

gzip file

Compress file

gunzip file.gz

Decompress file

11. Searching & Filtering

grep text file

Search text in file

grep -r text dir

Recursive search

find /path -name file

Find file by name

sort file

Sort lines

uniq file

Remove duplicate lines

12. SSH & Remote

ssh user@host

Connect to remote server

scp file user@host:/path

Copy file to remote server

scp user@host:/path file

Copy file from remote server