Linux
Commands
Cheat Sheet

Linux Commands Cheat Sheet

Directory ● ● ●

cd navigate through files and directories	cd.. move one directory up	cd– move to your previous directory	pwd show the directory currently working in	rmdir delete a directory and its contents

mkdir [directory] create a new directory

scp [file_name.txt] [server/tmp] securely copy a specific file to a server directory

rsync –a [/your/directory] [/backup/] synchronize the contents of a specific directory with a backup directory

Disk Usage ● ● ●

df get a report on the system's disk space usage	du check the disk space usage of a file or directory	fdisk –l show disk partitions, sizes, and types	du –ah show disk usage for all files and directory

du –sh show disk usage of the current directory

findmnt show target mount point for all filesystems

File Commands ● ● ●

ls list files in a directory	ls –R list all files in the sub-directories	ls –a list all hidden files	ls –al list all files and directories with detailed information like permissions, size, owner, etc

cat list the contents of a file on standard output	cat > filename creates a new file	diff compare the contents of two files line by line	tar archive multiple files into a common Linux file format

cat filename 1 filename2>filename3 joins two files (1 and 2) and stores the output in a new file (3)

tar xf [compressed_file. tar] extract archived file

cat filename | tr a–z A–Z >output.txt convert a file to upper or lower case

tar czf [compressed_file.tar.gz create a gzip-compressed tar file

tar cf [compressed_file. tar] [file_name] create an archived file from a file

gzip [file_name] compress a file with the .gz extension

chmod change the read, write, and execute permissions of files and directories

chown change or transfer file ownership

rm [file_name] remove a file

File Commands ● ● ●

rm -r [directory_name] remove a directory recursively	**rm -rf [directory_name]** remove a directory recursively without requiring confirmation	**wc** print the number of words, lines, and bytes in a file
cp copy files from the current directory to a different directory	**cp [file_name1] [file_name2]** copy the contents of the first file to the second file	**wget** download files from the internet
cp -r [directory_name1] [directory_name2] recursively copy the contents of the first directory into the second directory		**mv** to move or rename files

mv [file_name1] [file_name2] rename file_name1 to file_name2	**ln -s /path/to/[file_name] [link_name]** create a symbolic link to a file

touch [file_name] create a new file	**more [file_name]** show the contents of a file	**head [file_name]** show the first 10 lines of a file
tail [file_name] show the last 10 lines of a file	**gpg -c [file_name]** encrypt a file	**gpg [file_name.gpg]** decrypt a file

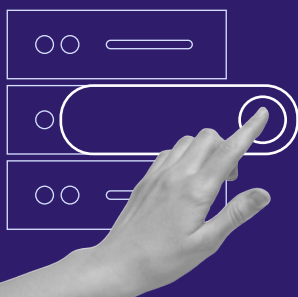|			
sudo perform tasks that need administrative or root permissions	**locate** to search for a file or directory	**find** to locate files within a directory	**jobs** display current jobs
kill terminate an unresponsive program	**history** review the commands you entered before	**uname** print information about your Linux system	**man** show manual instructions of Linux commands
zip compress files into a zip archive	**unzip** extract zipped files from a zip archive	**top** monitor system resource usage	**ps** show a snapshot of active processes
echo move data into a file	**hostname** know the name of your host/network	**ping** check connectivity to a server	

Network ● ● ●

ip addr show show IP addresses and network interfaces	**ifconfig** show IP addresses of all network interfaces	**netstat -pnltu** show active ports	**netstat -nutlp** show more information about a domain
whois [domain] show more information about a domain	**dig [domain]** show DNS information about a domain	**host [domain]** do an IP lookup for a domain	

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System

uname –r show system information	**last reboot** show system reboot history
timedatectl query and change the system clock	**date** show current time and date
hostname –i show the IP address of the system	**uptime** show how long the system has been running, including load average

User

id show details of the user	**passwd** add a password to a user's account
useradd create a new user	**last** show last logins
userdel [user_name] remove a user	

Keyboard Shortcuts

Ctrl + E move to the end of the line	**Ctrl + A** move to the beginning of the line	**Ctrl + C** stop and terminate the current command	**Ctrl + W** cut one word before the cursor and add it to the clipboard
TAB autofill typing	**Ctrl + Q** unfreeze the terminal	**Ctrl + Z** pause the command	**Ctrl + S** freeze the terminal

Ctrl + U cut part of the line before the cursor and add it to the clipboard	**Ctrl + K** cut part of the line after the cursor and add it to the clipboard	**Ctrl + Y** paste from clipboard
Ctrl + R recall the last command that matches the provided characters	**Ctrl + G** exit command history without running a command	**Ctrl + O** run the previously recalled command
!! repeat the last command	**exit** log out of the current session	

HOSTINGER