

LINUX COMMANDS

Basic Navigation and File Management

ls: Lists files and directories in the current directory.

cd: Changes the current working directory.

pwd: Prints the current working directory.

mkdir: Creates a new directory.

rmdir: Removes an empty directory.

cp: Copies files and directories.

mv: Moves or renames files and directories.

rm: Removes files or directories.

touch: Creates empty files.

ln: Creates symbolic links.

clear: Clears the terminal screen.

File Viewing and Editing

cat: Concatenates and displays file contents.

more: Displays file contents one page at a time.

less: Similar to more, but with additional features.

head: Displays the first few lines of a file.

tail: Displays the last few lines of a file.

nano: A simple text editor.

vim: A powerful text editor.

Searching and Filtering

grep: Searches for patterns in files.

find: Searches for files and directories based on criteria.

locate: Quickly finds files based on a database.

sort: Sorts text data.
uniq: Filters out repeated lines.
cut: Extracts columns from text.
paste: Merges lines from multiple files.

Process Management

ps: Displays information about running processes.
kill: Terminates a process.
top: Displays real-time system and process information.
htop: An interactive process viewer.

System Information

uname: Displays system information.
whoami: Displays the current user.
df: Displays disk space usage.
du: Displays disk usage by directory.
free: Displays memory usage.
uptime: Displays system uptime.

Networking

ping: Tests network connectivity.
ifconfig: Configures network interfaces.
netstat: Displays network connections.
ssh: Secure shell for remote login.
scp: Secure copy for transferring files.

Package Management (depends on distribution)

apt (Debian/Ubuntu)

yum (CentOS/RHEL)

dnf (Fedora)

pacman (Arch Linux)

Additional Commands

man: Access online manual pages.

chmod: Changes file permissions.

chown: Changes file ownership.

gzip: Compresses files.

tar: Creates archives.

unzip: Extracts ZIP archives.