

Linux Commands Cheat Sheet

Basic File & Directory Commands

ls: List directory contents
pwd: Show current working directory
cd: Change directory
mkdir: Create a new directory
rmdir: Remove an empty directory
rm: Remove files or directories
cp: Copy files or directories
mv: Move or rename files or directories
touch: Create a new empty file
cat: View file contents
less / more: View file content one page at a time
head: Show first 10 lines of a file
tail: Show last 10 lines of a file
find: Search for files and directories
file: Get file type
stat: Display detailed info about a file
tree: View directory structure in tree format

File Permissions & Ownership

chmod: Change file permissions
chown: Change file ownership
chgrp: Change group ownership
umask: Set default file permissions

Text Processing

grep: Search text using patterns
awk: Pattern scanning and processing
sed: Stream editor for filtering and transforming text
cut: Remove sections from lines of files
sort: Sort lines of text files
uniq: Filter out or report duplicate lines
wc: Count lines, words, and characters
tr: Translate or delete characters
diff: Compare two files line by line
tee: Redirect output to a file and screen

Package Management (Debian/Ubuntu)

apt update: Update package list
apt upgrade: Upgrade packages
apt install: Install a package
apt remove: Remove a package
dpkg -i: Install .deb file
dpkg -l: List installed packages

Package Management (RedHat/CentOS)

yum install: Install a package

yum update: Update packages

rpm -i: Install .rpm file

rpm -qa: List installed packages

Process Management

ps: Show running processes

top / htop: Real-time process viewer

kill: Terminate a process by PID

killall: Kill processes by name

nice / renice: Change process priority

jobs: List background jobs

fg / bg: Bring job to foreground/background