

Linux Cheatsheet

Files and Navigation

Command	Description
ls	list all files/folders on current dir
ls -l	formatted listing
ls -la	formatted listing including hidden files
cd <dir>	change directory to dir
cd ..	change to parent directory
cd ./<dir>	change to dir in parent directory
cd	change to home directory
pwd	show current directory
mkdir <dir>	create a directory dir
rm <file>	remove file
rm -f <dir>	force remove file
rm -r <dir>	remove directory dir
rm -rf <dir>	force remove directory dir
rm -rf /	It's like exploding a nuclear bomb targeting your entire operating system. NEVER USE IT!
cp <file1> <file2>	copy file1 to file2
mv <file1> <file2>	mv file1 to file2
mv <file1> <dir/file2>	mv file1 to dir as file2
touch <file>	create or update file
cat <file>	output contents of file
cat > <file>	write standard input into file
cat » <file>	append standard input into file
tail -f <file>	output contents of file as it grows

Processes

Command	Description
ps	display currently active processes
ps aux	detailed outputs
kill pid	kill process with process id (pid)
killall proc	kill all processes named proc

System Info

Command	Description
date	show current date/time
uptime	show uptime
whoami	show you are logged in as
w	display who is online
cat /proc/cpuinfo	display cpu info

Command	Description
cat /proc/meminfo	display memory info
free	show memory and swap usage
du	show directory space usage
du -sh	display readable sizes in GB
df	show disk usage
uname -a	show kernel config

Networking

Command	Description
ping host	ping host
whois domain	get whois for domain
dig domain	get DNS for domain
dig -x host	reverse lookup host
wget <file>	download file
wget -c <file>	continue stopped download
wget -r <url>	recursively download file from url
curl <url>	output the webpage from url
curl -o page.html url	writes the page to page.html
ssh -p port user@host	connect using port
ssh -D user@host	connect and use bind port

Permissions

Command	Description
chmod	change permission of file

- 4 → read r
- 2 → write w
- 1 → execute x

order: owner/group/world → - rwxrwxrwx

Example:

* chmod 777 rwx for everyone * chmod 755 rwx for owner, rx for group and world

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