

BASIC LINUX COMMANDS

FILES & NAVIGATING

ls - directory listing (list all files/folders on current dir)
ls -l - formatted listing
ls -la - formatted listing including hidden files
cd dir - change directory to dir (dir will be directory name)
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 - delete file
rm -f dir - force remove file
rm -r dir - delete directory dir
rm -rf dir - remove directory dir
rm -rf / - launch some nuclear bombs targeting your system
cp file1 file2 - copy file1 to file2
mv file1 file2 - rename file1 to file2
mv file1 dir/file2 - move 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

NETWORKING

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 files from url
curl url - outputs the webpage from url
curl -o meh.html url - writes the page to meh.html
ssh user@host - connect to host as user
ssh -p port user@host - connect using port
ssh -D user@host - connect & use bind port

PROCESSES

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

date - show current date/time
uptime - show uptime
whoami - who you're logged in as
w - display who is online
cat /proc/cpuinfo - display cpu info
cat /proc/meminfo - memory info
free - show memory and swap usage
du - show directory space usage
du -sh - displays readable sizes in GB
df - show disk usage
uname -a - show kernel config

COMPRESSING

tar of file.tar files - tar files into file.tar
tar xf file.tar - untar into current directory
tar tf file.tar - show contents of archive

options:

c - create archive	j - bzip2 compression
t - table of contents	w - ask for confirmation
x - extract	k - do not overwrite
z - use zip/gzip	T - files from file
f - specify filename	v - verbose

PERMISSIONS

chmod octal file - change permissions of file

4 - read (r)
2 - write (w)
1 - execute (x)

order: owner/group/world

chmod 777 - rwx for everyone
chmod 755 - rw for owner, rx for group world

SOME OTHERS

grep pattern files - search in files for pattern
grep -r pattern dir - search for pattern recursively in dir
locate file - find all instances of file
whereis app - show possible locations of app
man command - show manual page for command