

CHEAT SHEET WORLD

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UNIX / LINUX CHEAT SHEET

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FILE SYSTEM

ls — list items in current directory

ls -l — list items in current directory and show in long format to see permissions, size, and modification date

ls -a — list all items in current directory, including hidden files

ls -F — list all items in current directory and show directories with a slash and executables with a star

ls dir — list all items in directory dir

cd dir — change directory to dir

cd .. — go up one directory

cd / — go to the root directory

cd ~ — go to to your home directory

cd - — go to the last directory you were just in

pwd — show present working directory

mkdir dir — make directory dir

rm file — remove file

rm -r dir — remove directory dir recursively

cp file1 file2 — copy file1 to file2

cp -r dir1 dir2 — copy directory dir1 to dir2 recursively

mv file1 file2 — move (rename) file1 to file2

ln -s file link — create symbolic link to file

touch file — create or update file

cat file — output the contents of file

less file — view file with page navigation

head file — output the first 10 lines of file

tail file — output the last 10 lines of file

tail -f file — output the contents of file as it grows, starting with the last 10 lines

vim file — edit file

alias name 'command' — create an alias for a command

SYSTEM

shutdown — shut down machine

reboot — restart machine

date — show the current date and time

whoami — who you are logged in as

finger user — display information about user

man command — show the manual for command

df — show disk usage

du — show directory space usage

free — show memory and swap usage

whereis app — show possible locations of app

which app — show which app will be run by default

SEARCHING

grep pattern files — search for pattern in files

grep -r pattern dir — search recursively for pattern in dir

grep -rn pattern dir — search recursively for pattern in dir and show the line number found

grep -r pattern dir --include='*.ext' — search recursively for pattern in dir and only search in files with .ext extension

command | grep pattern — search for pattern in the output of command

find file — find all instances of file in real system

locate file — find all instances of file using indexed database built from the updatedb command. Much faster than find

sed -i 's/day/night/g' file — find all occurrences of day in a file and replace them with night - s means substitute and g means global - sed also supports regular expressions

PROCESS MANAGEMENT

ps — display your currently active processes

top — display all running processes

kill pid — kill process id pid

kill -9 pid — force kill process id pid

NETWORKING

wget file — download a file

curl file — download a file

scp user@host:file dir — secure copy a file from remote server to the dir directory on your machine

scp file user@host:dir — secure copy a file from your machine to the dir directory on a remote server

scp -r user@host:dir dir — secure copy a directory dir from remote server to the directory dir on your machine

ssh user@host — connect to host as user

ssh -p port user@host — connect to host on port

ssh-copy-id user@host — add your key to the host to enable a keyed or passwordless login

ping host — ping host and output results

whois domain — get information for domain

dig domain — get DNS information for domain

dig -x host — reverse lookup host

lsof -i tcp:1337 — list all processes running on port 1337

SHORTCUTS

ctrl+a — move cursor to beginning of line

ctrl+f — move cursor to end of line

alt+f — move cursor forward 1 word

alt+b — move cursor backward 1 word



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