

Intro to Linux Workshop – Cheat Sheet

pwd print working (current) directory

cd change directory

special directories

/ the root directory
~ your home directory
. current directory
.. parent directory

ls list directory contents

ls -a list all directory contents

ls -l long listing

cp copy

mv move (or rename)

rm remove

mkdir make directory

rmdir remove directory (must be empty)

cat print file(s) to standard output (usually your screen)

whoami print user ID

who am I print user information

groups print user groups

id print user ID and groups

who information about logged-in users

w information about logged-in users

bash

←→ move left/right on line

↑↓ previous/next command in history

^a go to beginning of line

^e go to end of line

^k delete to end of line

man command manual

\$ man ls show manual for ls command

file permissions

r read

w write

x execute (run)

ls -l /bin/bash

-rwxr-xr-x 1 root wheel [...] /bin/bash

rwx owner (root)

r-x group (wheel)

r-x everyone else

date print the date and time

sort sort the lines of a file

grep print lines matching a pattern

\$ grep error myfile

show lines containing “error” in myfile

redirection and pipes

\$ date > myfile write date to myfile

\$ date >> myfile append date to myfile

\$ sort < myfile use myfile as input to sort

\$ sort myfile | grep error

sort myfile and send output to grep

less file reader

[space] next page

b previous page

g go to end of file

/ search

? search backwards

n repeat search

^g show location in file

nano editor

\$ nano myfile edit myfile

←→ move left/right on line

↑↓ previous/next command in history

^a go to beginning of line

^e go to end of line

^k delete line

^o save file

^x exit

sleep 10 sleep 10 seconds

echo hi print hi

exit exits session

logout exits session

^d exits session

^c stop running command

ps list processes

ps -e list every process

ps -aux list every process with more info

top show processes

q quit top