

Pi My Life Up - Linux Cheat Sheet

General Commands

Man ls	Brings up the manual page for ls
ls head	Pipes allows you to direct output from one command into another
date	Shows system date
whoami	Shows your username
uptime	Shows uptime
uname -a	Show system & kernel

File System

ls	Directory Listing
tree	Indented file/directory listing
cd	Change directory
pwd	Display current directory
mkdir newDir	Creates a directory
rmdir oldDir	Removes a directory
cp file newfilename	Copies a file to a new location
mv file.txt ./newDir	Moves a file to a new location
touch file	Sets the last modified timestamp
cat	List contents of a file
head file	Outputs first 10 lines of a file
tail file	Outputs last 10 lines of a file
chmod 777 file	CHMOD is used to alter the permissions of a file or files.
chmod u=rw file	You can use symbols or numbers depending on what you prefer.
chown pi:root file	CHOWN will change the user and/or the group that owns a file.
unzip archive.zip	Unzip will extract the files and directories from a compressed zip archive.
tar -cvzf tar -xvzf	Compress and extract the contents of an archive in the tar format. -c to compress & -x to extract

Searching

grep "search" *.txt	Search for a pattern inside files
find . -name 'help'	Will search for directories & files that match a pattern
whereis ls	Displays documentation, binaries & source files of a command

Networking

ping host	Pings a host
hostname	Hostname of the system
ifconfig	Shows network configuration details for the interfaces on current system
ssh	Connect to another computer using SSH
scp	Transfer files over SSH
wget {URL}	Downloads a file directly to the device
netstat -tupl	Active connections to/from device

Process Management

ps	Show snapshot of current processes
top	Show real time processes
kill pid	Kill process with id pid
pkill name	Kill process with name
killall name	Kill processes with name

Users Management

id	Get the id of a user or group
who	List users that are logged in
last	List of users recently logged in
groupadd name	Adds a new group
useradd name	Adds a new user
userdel name	Deletes a user & all files related to that user
deluser name	Deletes user with options to remove certain data
usermod	Modify a user account
passwd	Change your password or a password of another account

Shortcuts

!!	Repeats last command
ctrl+z	Stops command, resume using fg for foreground or bg for background
ctrl+c	Halts the current command
ctrl+w	Deletes 1 word on the current line
ctrl+u	Deletes entire line
ctrl+r	Search previous commands
exit	log out of current session

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For suggestions, fixes & more please visit pimylifeup.com

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