

MATT'S BASIC LINUX COMMANDS

HELP **man & apropos**

FILE NAVIGATION

ls -l *.jpg List all .jpg files
ls -a List all files including hidden

FILES & DIRECTORIES

mkdir -p Create directory & Parent
touch Create a new file
cat -s View file contents stdout
tac Reverse file contents
rm -r Remove files Recursively
mv -r Move/Rename Recursively
cp -r Copy directory
find Search for file or directory

COMPRESS & EXTRACT

tar cf dir.tar dir Create archive
tar cfz dir.tar dir Create a gzip tar
gzip file-name Gzip file
gunzip file.gz Gunzip file
tar xf file-name /dir Extract tar to /directory

OPTIONS:

-c	Create		--keep-old-files
-x	Extract		--overwrite
-f	Regular file type		--append
-d	Directory file type		--verify

MISC

wc -l Count the lines in a file
sudo !! Repeats last command
diff file1.txt file2.txt Diff two files
cat file > a.txt single > redirects
cat file >> a.txt double >> appends
gpg -c file Encrypts a file
gpg file.gpg Decrypts a file
grep -r pattern dir Find pattern in directory
passwd Change your password
CTRL+A Goto Start of line
CTRL+E Goto End of line

FILE PERMISSIONS & OWNERSHIP

chmod Change file permissions to execute
chown Change file owner
chgrp Change file grouping
chmod -R 755 folder
chown root /u Change owner of /u to "root"
chmod +x file Make file executable

SYSTEM RESOURCE MANAGEMENT

free -m Show memory in use
top List processes
htop A better version of top
nice Start a process with priority
renice Change 'nice' value
kill -n Terminate process
echo \$VAR Display variable

HARDWARE INFORMATION

lspci List pci info
cat /proc/meminfo See RAM info
lshw List hardware info
lshw -C memory -short Detect RAM info
hwinfo List hardware
lsusb List USB devices
lsmod Find modules loaded

reboot Reboot the system
poweroff -now Shut down

INSTALL SOURCE CODE

./configure
make & make install

nohup command immune to hangup signal

FILE UTILITIES

tr -d translate/delete character
uniq -c -u omit repeated lines
split -l split file into pieces
cut -f cut section(s) field(f)
sort -n sort lines

BASH SCRIPTS

1. Add: **#!/bin/bash** #AKA *Crunch-Bang*
2. Save file: **file-name.sh**
3. Use: **chmod +x file-name**
4. Run: **./file-name**