

Bash

`uname -a` Show system and kernel

Network

`ifconfig -a` Displays all network ports and ip addresses

`ethtool eth0` Displays `eth0`'s ethernet status

`whois domain` Get whois info for domain

`dig domain` Get DNS info for domain

`dig -x host` Reverse lookup host

`host google.com` Lookup DNS IP

`hostname -i` Lookup local IP address

`netstat -tupl` List active connections to/from system

Bash Shortcuts

`C-z` Sleep program

`C-a` Go to start of line

`C-e` Go to end of line

`C-u` Erases whole line

`C-w` Erases one word in current line

`C-k` Cut to end of line

`C-r` Search history

`!!` Repeat last command

`!abc` Run last command starting with `abc`

`!$` Last arguments of previous command

`!*` All arguments of previous command

Programs/Utilities

`nccdu` Ncurses disk usage utility

`glances` System monitor

`nethogs` Bandwidth monitor

ls Options

`-a` Show all (including hidden)

`-R` Recursive list

`-r` Reverse order

`-t` Sort by last modified

`-S` Sort by file size

`-l` Long listing format

`-m` Comma-separated output

Search

`grep -i` Case insensitive search

`grep -r` Recursive search

`grep -v` Inverted search

`grep -o` Show matched part of file only

`find /dir/ -name abc*` Find files starting with `abc` in `dir`

`find /dir/ -user name` Find files owned by `name` in `dir`

`find /dir/ --mmin num` Find files modifies less than `num` minutes ago in `dir`

`find /dir/ -size +100k` Find files larger than 100k

`locate file` Find `file` (quick search of system index)

`whereis app` Show possible locations of `app`

`which app` Show which app will be run by default

Command Lists

`cmd1 ; cmd2`

Run `cmd1` then `cmd2`

`cmd1 && cmd2`

Run `cmd2` if `cmd1` is successful

`cmd1 || cmd2`

Run `cmd2` if `cmd1` is not successful

Compression

`tar xf file.tar` Untar into current directory

tar flags

`c` create archive

`t` Table of contents

`x` Extract

`f` Specifies filename

`z` Use zip/gzip

`j` bzip2 compression

`k` Do not overwrite

`T` Files from file

`W` Ask for confirmation

`V` Verbose

Pipes

`cmd1 | cmd2`

| stdout of *cmd1* to *cmd2*

`cmd1 |& cmd2`

| stderr of *cmd1* to *cmd2*

File Permissions

`chmod 777` rwx for everyone

`chmod 755` rw for owner, rx for group/world

`chown user.group file` Change file owner to *user* and group to *group*

C

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