

Linux Command Line Cheat Sheet

<InfPALS/>

Navigation

`cd dir` Change directory to `dir`

`pwd` Print working directory

`ls` List files and directories (-a, includes hidden)

File Manipulation

`touch f` Create an empty file `f`

`cat f` View file contents

`head f` Show the first 10 lines of a file `f`

`nano f` Open file `f` in simple text editor

`cp f1 f2` Copy `f1` to `f2`

`mv f1 f2` Move `f1` to `f2`

`mkdir dir` Create directory `dir`

Searching & Filtering

`grep pat` Search contents using pattern `pat`

`find` Search using filters (e.g. size)

`whereis` Find source/binaries of command

System Information

`man c` Show manual for command `c`

`env` Show environment variables

`export N=v` Sets environment variable `N` to `v`

Networking

`ping ip` Check network connectivity of `ip`

`ssh u@ip` Connect to server `ip` as user `u`

`scp f u@ip:p` Copy `f` to path `p` on remote server `ip` as user `u`

Permissions

`sudo` Execute with superuser privileges

`chmod` Set permissions for file/directory

File Compression

`tar` Compress/extract files or folders to/from tar archives

`gzip` Compress/extract single files

`zip/unzip` Compress/extract .zip archives

IO Redirection

`> f` Overwrites file `f` with STDOUT

`c &` Runs command `c` in background

`c1 | c2` Pipes output of command `c1` to `c2`

Shortcuts

CTRL-C Interrupts process

TAB Autocomplete, e.g. file paths

↑ Shows command history