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