

Bash

— SURVIVAL GUIDE FOR THE SIP TUTORIALS

Command line structure

Command Arguments

ls -lt --all <dir>

Short (-) and long (--) options

Redirect output Redirect input

> >> < |

Append to output Pipe

If you only knew one

Command manual

man <command>

& Your favorite search engine...

Connexion & user switch

Secure shell (SSH) connexion

ssh <username>@<hostname>

Switch user

su <username>

Download a file from URL

wget <url>

Root	Parent folder		
/	.	..	~
	Current folder		User home

Navigate in the file system

Print current « working » directory

pwd

Change directory

cd <path>

List directory (default current directory)

ls <dir>

-a : list all entries
-l : long listing format
-t : sort by modif. time

Find the location of a command

which <command>

Examine files

Display a file / concatenate several files

cat <file> head <file>

Display a file's first lines / Display a long file

head <file> less <file>

Edit a file (Among a lot of others)

nano <file>

gedit <file>

Interact with the file system

Move and/or rename a file

mv <file> <new_path_or_name>

Copy a file

cp <file> <copy_path>

Create a new directory

mkdir <dir_name>

Remove a file/directory

rm <file>
rm -r <directory>

! -f : force deletion

Create / Extract archive

zip <archive_name> <files>
unzip <archive_name>

Change file rights

chmod +... <file>

+r : read

+w : write

+x : execute

Variables & scripts

Define / Display a variable

export <var>=<value>
echo \${<var>}

Execute a bash / python script

./<file.sh> python <file.py>