

Desarrollo de Aplicaciones Web

1er Curso

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The terminal



In Lubuntu: Start→System Tools→Qterminal OR CTRL+ALT+T

```
profesor@profesor-virtualbox:~$

USER HOSTNAME

CURRENT

DIRECTORY
```



The terminal: using commands CENTRE COMMANDE CENTRE CENTRE COMMANDE CENTRE CENTR

Just type the command and press Enter:

```
profesor@profesor-virtualbox:~$ ls
Desktop Documents Downloads Music Pictures
```

Some command have arguments:

```
total 36
drwxrwxr-x 2 profesor profesor 4096 feb 6 08:42 Desktop
drwxr-xr-x 2 profesor profesor 4096 ene 31 09:39 Documents
drwxr-xr-x 2 profesor profesor 4096 ene 31 10:11 Downloads
drwxr-xr-x 2 profesor profesor 4096 ene 31 09:39 Music
drwxr-xr-x 2 profesor profesor 4096 ene 31 09:39 Pictures
drwxr-xr-x 2 profesor profesor 4096 ene 31 09:39 Public
drwxr-xr-x 3 profesor profesor 4096 ene 31 10:04 snap
drwxr-xr-x 2 profesor profesor 4096 ene 31 09:39 Templates
drwxr-xr-x 2 profesor profesor 4096 ene 31 09:39 Videos
```



The terminalS: multi-user

Just press CTRL+ALT+F[1-7]. In the example, F2

```
Ubuntu 20.04.1 LTS profesor–virtualbox tty2
                                               TERMINAL 2
profesor–virtualbox login√ student
Password:
Welcome to Ubuntu 20.04.1 LTS (GNU/Linux 5.4.0–65–generic x86_64)
* Documentation: https://help.ubuntu.com
* Management:
                  https://landscape.canonical.com
                  https://ubuntu.com/advantage
* Support:
176 updates can be installed immediately.
O of these updates are security updates.
To see these additional updates run: apt list ––upgradable
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted b
applicable law.
student@profesor–virtualbox:~$ _
```



The terminalS: multi-user

You can go back to the graphic terminal pressing CTRL+ALT+F1.

```
profesor@profesor-virtualbox:/home$ cd student
profesor@profesor-virtualbox:/home/student$ ls
profesor@profesor-virtualbox:/home/student$
```

```
Last login: Sat Feb 6 09:16:14 CET 2021 on tty2
student@profesor–virtualbox:~$ pwd
/home/student
student@profesor–virtualbox:~$ _
```

The terminal...



Sometimes (or always;))

The

is faster than the



• Use \(\) key to "go back in time"



Use Tab Key to complete a command.



The terminal... No news good news



Linux terminal (by default) will not inform about the success of a command, just if there's an error.

"Go" to your directory: type cd

Type cat /etc/passwd

Type cat etc/passwd

Users and groups



Files you must learn in /etc directory:

- passwd
- shadow (you must be root: I AM ROOOOOT)
- group

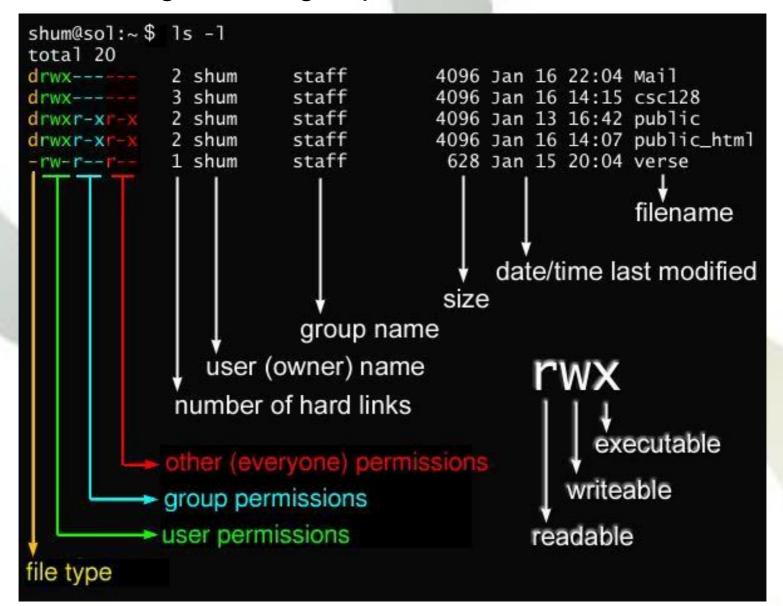


In the class notes you have links to webpages where these files are explained.

Permissions



What a user or group can do with files and directories. It depends on who is accessing: owner, group member or other.



Checking default permissions



Default file permissions here are: 664 (rw+rw+r)

```
profesor@profesor-virtualbox:~/Documents$ touch myfile.txt profesor@profesor-virtualbox:~/Documents$ ls -l total 0 -rw-rw-r-- 1 profesor profesor 0 feb 7 11:07 myfile.txt Check also with umask. The value is 002 which is the result of 666-664. Check also with umask—S (Symbolic notation).
```

Which are the default permissions for directories?

Special permissions



https://www.geeksforgeeks.org/setuid-setgid-and-sticky-bits-in-linux-file-permissions/