CENTRE ESPECÍFIC
D´EDUCACIÓ A DISTÀNCIA DE
LA COMUNITAT VALENCIANA

UNIT 10.LINUX

Activities I Solutions

Computer Systems
CFGS DAW

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Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:

Actividad opcional. Normalmente hace referencia a un contenido que se ha comentado en la documentación por encima o que no se ha hecho, pero es interesante que le alumno investigue y practique. Son tipos de actividades que no entran para examen

Atención. Hace referencia a un tipo de actividad donde los alumnos suelen cometer equivocaciones.

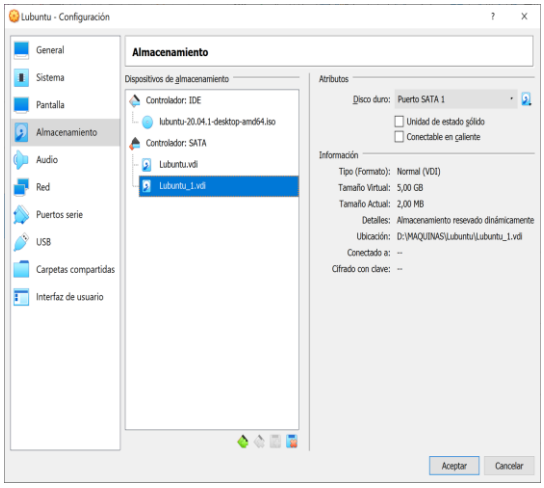
UD10. LINUX
Activities I Solutions

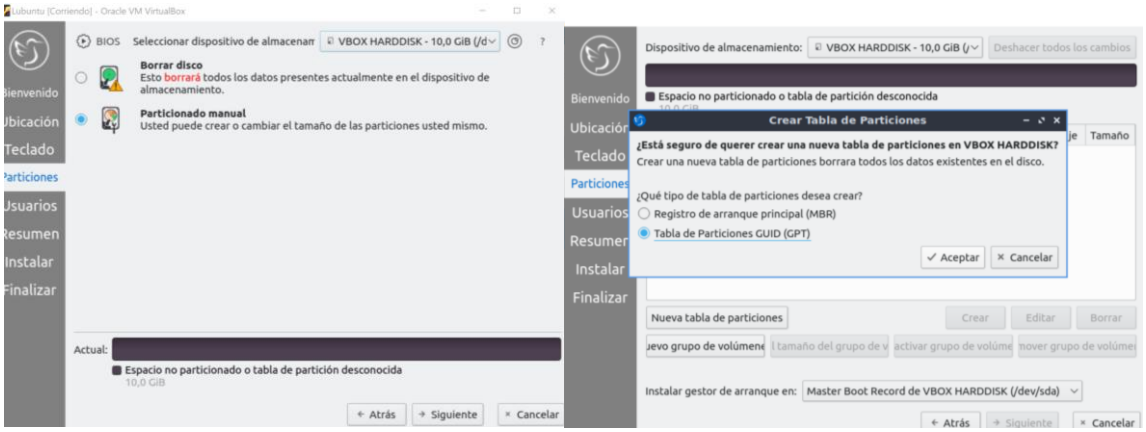
1.1 Activity 1

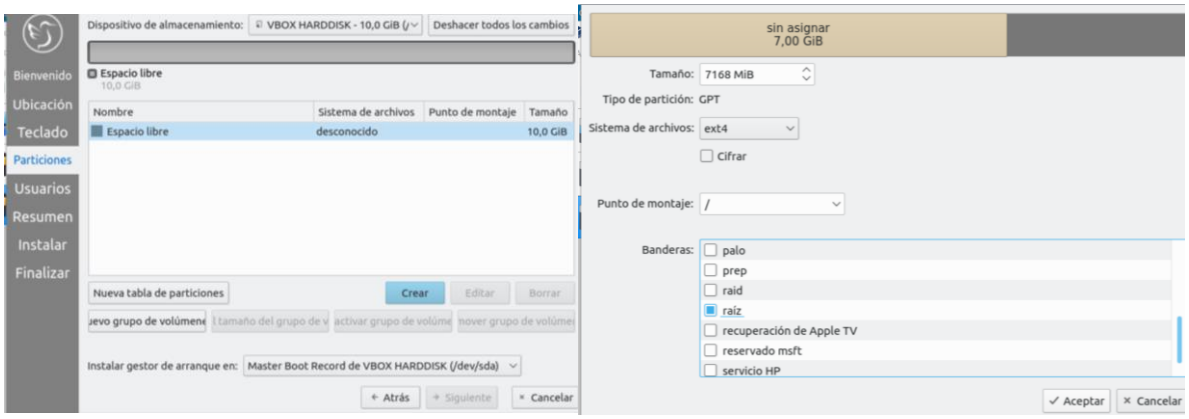
Installation of Lubuntu in a virtual machine

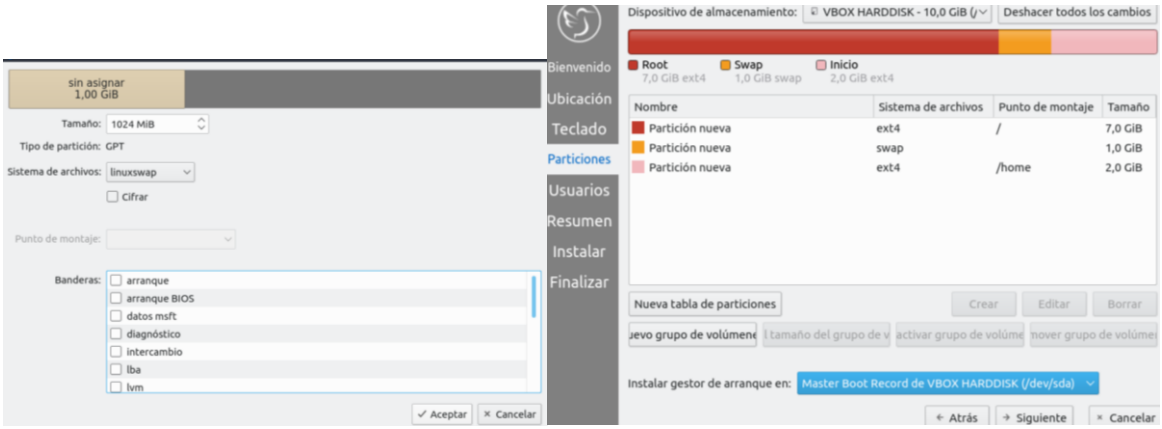
- Install Lubuntu in a Virtual Box Machine but using two hard disks, sda (10 GB) and sdb (5GB).

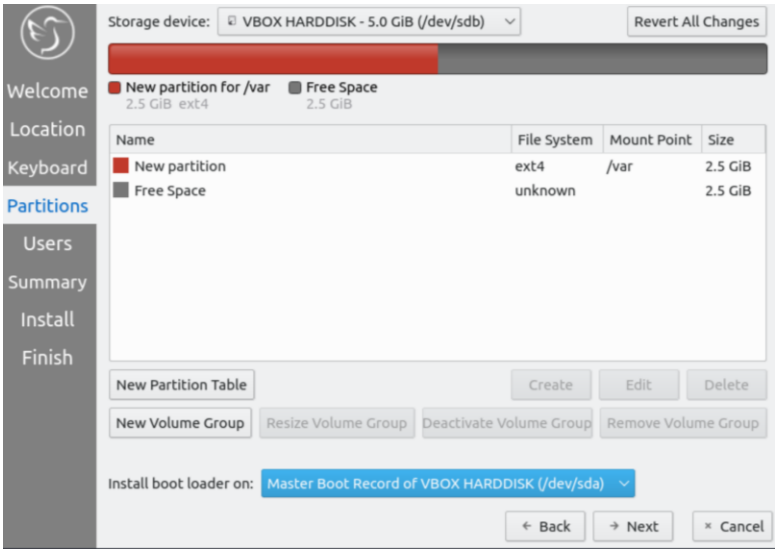
Version installed: 20.04

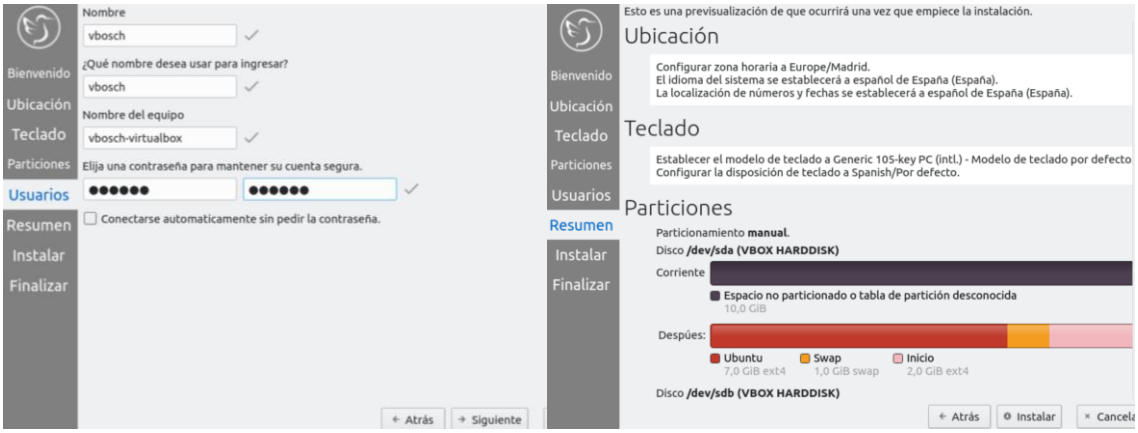












- Create the following partitions (GPT recommended):
  - / in *sda*, size 7 GB,
  - swapping in *sda*
  - /home in *sda*, size: the rest of hard disk
  - /var in *sdb*, size: 2.5 GB
- Create a user with login as the first letter of your name plus your surname

Share if you success or your doubts in a forum.

Additional: Check the partitions with the command **lsblk** using the terminal (Start→System Tools or CTRL+ALT+T)

```
profesor@profesor-virtualbox:~$ lsblk
NAME   MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda      8:0    0   10G  0 disk
├─sda1   8:1    0    7G  0 part /
├─sda2   8:2    0    1G  0 part [SWAP]
└─sda3   8:3    0    2G  0 part /home
sdb      8:16   0    5G  0 disk
└─sdb1   8:17   0  2,5G  0 part /var
sr0     11:0    1 1024M  0 rom
```

1.2 Activity 2

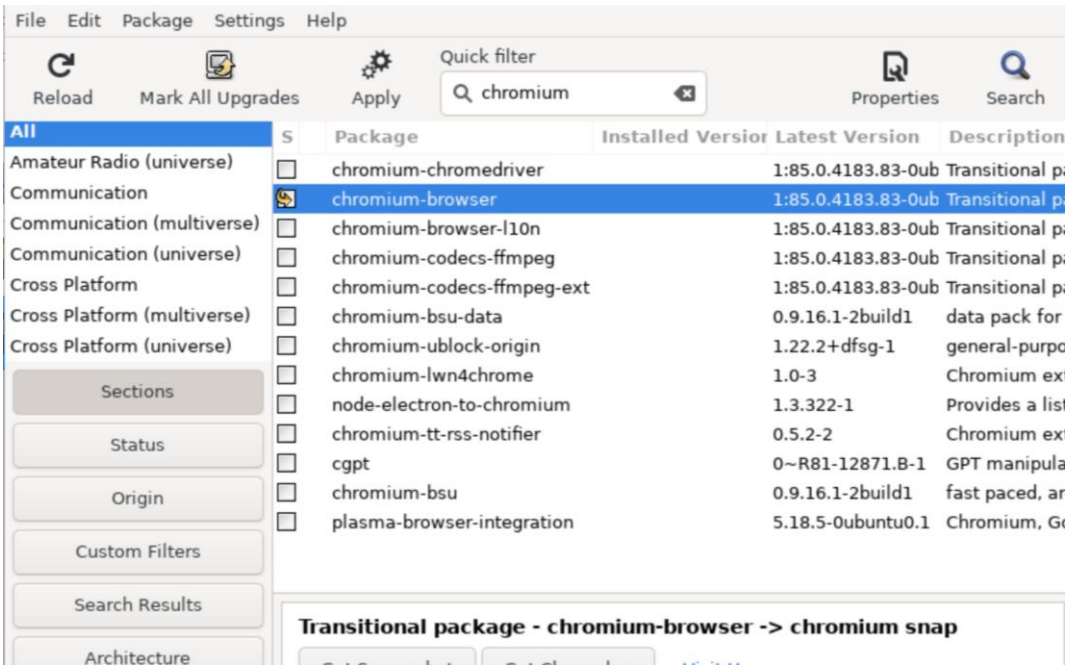
Installation of applications:

- Using the **terminal,** install:
  - Vlc *(it's usually installed with the operating system, try installing gedit instead)*

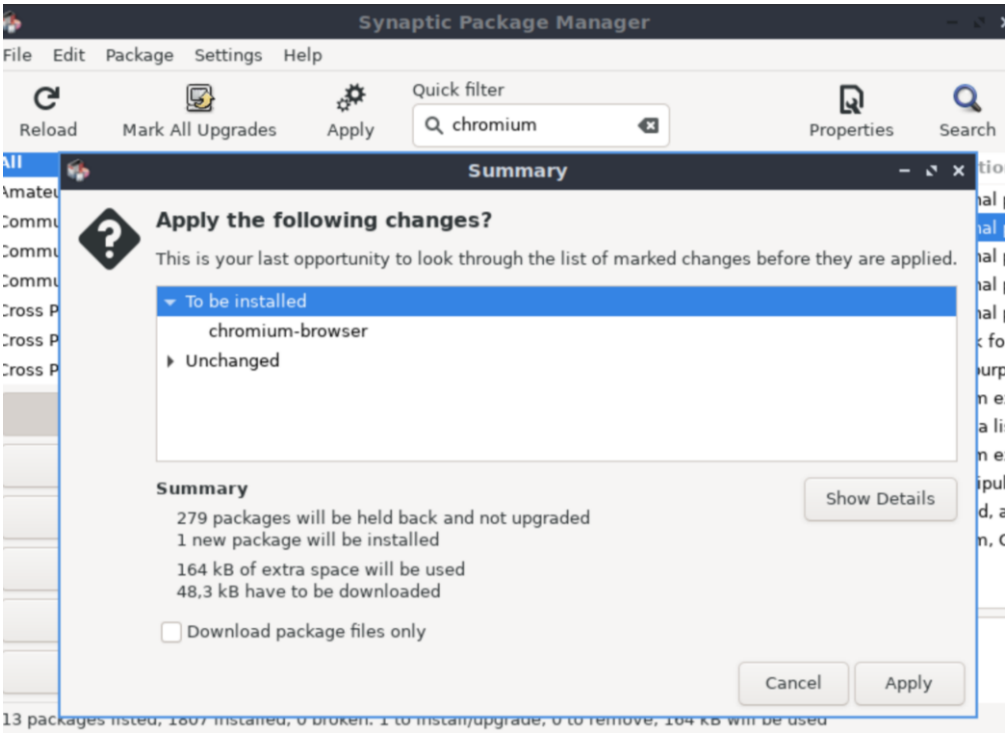
```
profesor@profesor-virtualbox:~$ sudo apt-get install vlc
[sudo] password for profesor:
Reading package lists... Done
Building dependency tree
Reading state information... Done
vlc is already the newest version (3.0.9.2-1).
vlc set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 279 not upgraded.
```

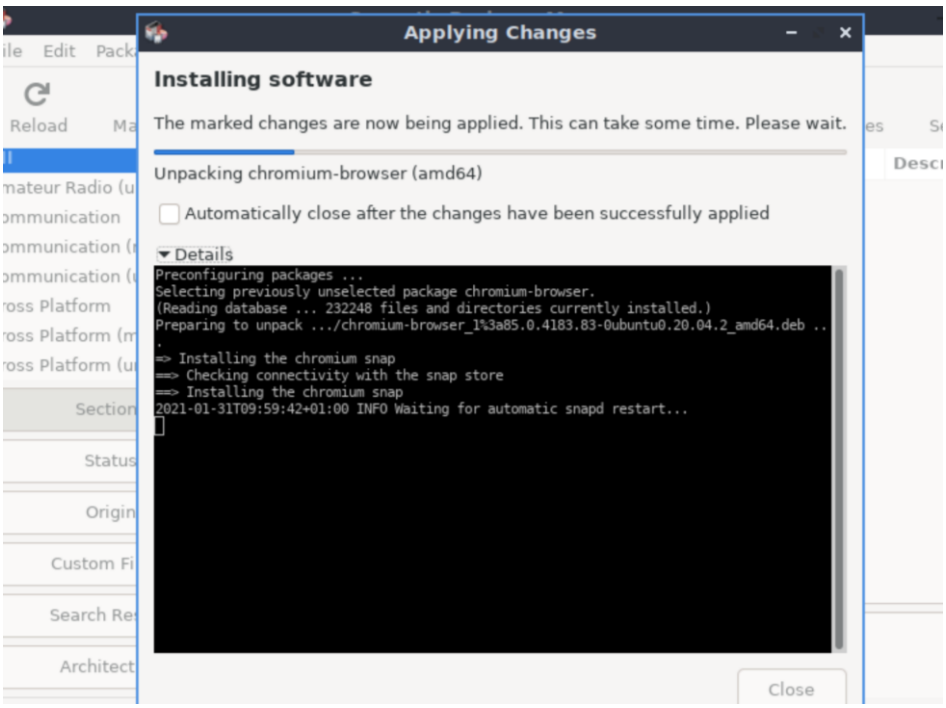
```
profesor@profesor-virtualbox:~$ sudo apt-get install gedit
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  docbook-xml gedit-common gir1.2-gtksource-4 gir1.2-peas-1.0 libamtk-5-0
  libamtk-5-common libgspell-1-2 libgspell-1-common libgtksourceview-4-0
  libgtksourceview-4-common libpeas-1.0-0 libpeas-common libtepl-4-0
  libyelp0 python3-gi-cairo sgml-base sgml-data xml-core yelp yelp-xsl
Suggested packages:
  docbook docbook-dsssl docbook-xsl docbook-defguide gedit-plugins
  sgml-base-doc perlsgml w3-recs opensp libxml2-utils debhelper
The following NEW packages will be installed:
  docbook-xml gedit gedit-common gir1.2-gtksource-4 gir1.2-peas-1.0
  libamtk-5-0 libamtk-5-common libgspell-1-2 libgspell-1-common
  libgtksourceview-4-0 libgtksourceview-4-common libpeas-1.0-0
  libpeas-common libtepl-4-0 libyelp0 python3-gi-cairo sgml-base sgml-data
  xml-core yelp yelp-xsl
0 upgraded, 21 newly installed, 0 to remove and 279 not upgraded.
Need to get 2.294 kB of archives.
After this operation, 17,3 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

- Using **synaptic,** install: *(if it's not installed in System Tools, you can install it with -apt-get install synaptic. In the Search box type "Synaptic".*
  - Chromium

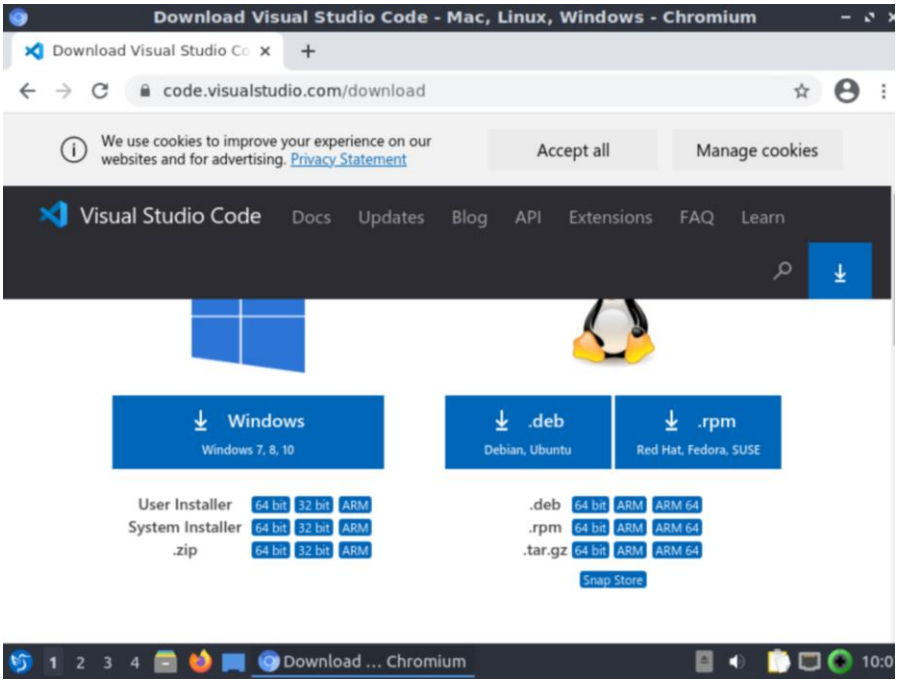


And click on *Apply.*

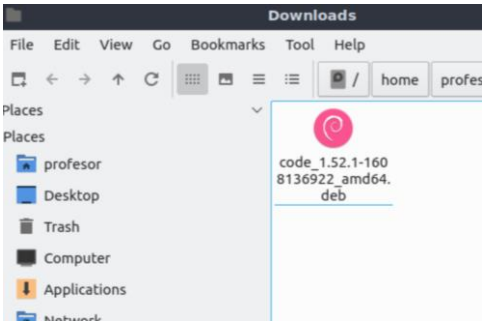


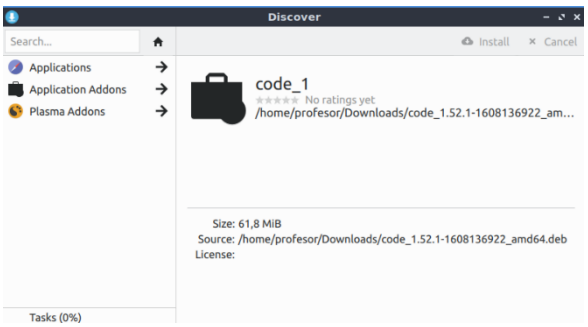


- Using the **package**, install
  - Visual Studio Code https://code.visualstudio.com/download . Download .deb file.



When the download finishes, just double click on it and install the application. You'll be prompted to type the sudo password.





As a future programmer 😉 you must test it, so launch Visual Studio Code to verify it works.

1.3 Activity 3

- Create in your home a file text called *MyFirstLinuxFile*.txt. Open it and write the text *I Like Linux*.
- Create in your home a file text called m*yFirstLinuxFile*.txt. Open it and write the text *Wow Linux is case sensitive.*

1.4 Activity 4

- Read about *General Public License, Apache License and BSD License* and explain in the forum what the main differences are.

Try this link: https://resources.whitesourcesoftware.com/blog-whitesource/open-source-licenses-explained