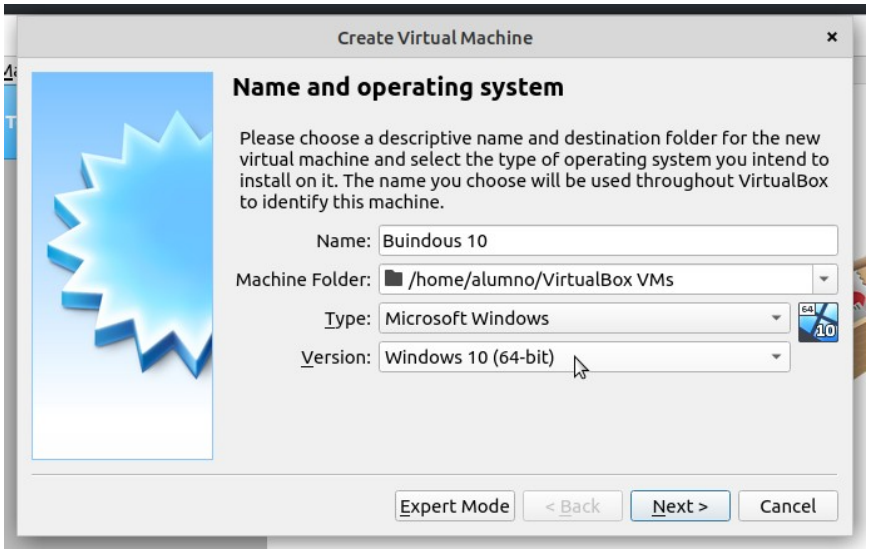
Exercises about OS installations

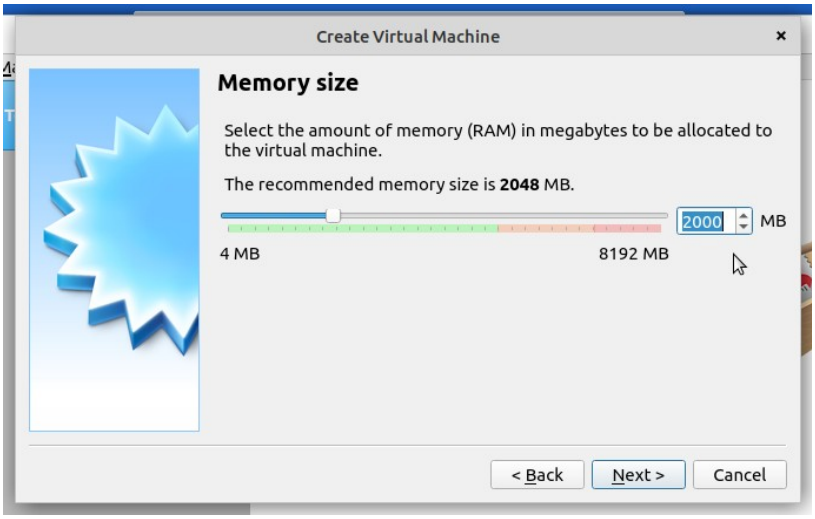
To solve the exercises, create a document with screenshots including the settings for each part.

1. **Create an empty virtual machine and configure the following settings:**

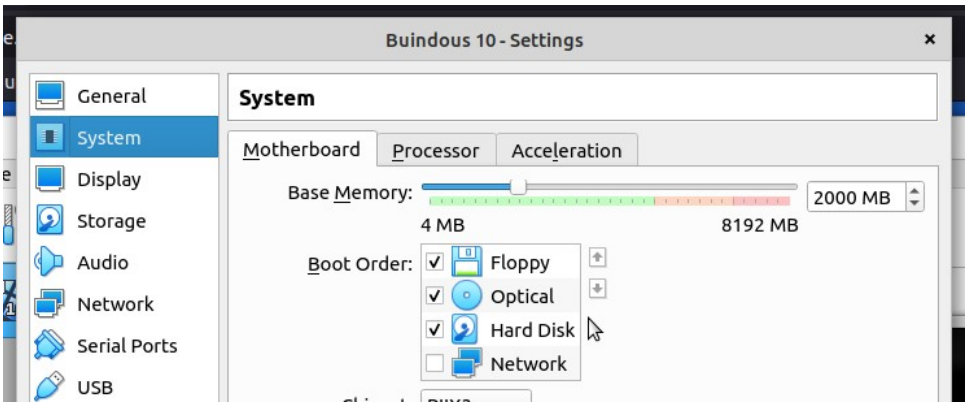
- For Windows 10 (64 bits, or 32 if you do not have enough RAM in your physical computer).



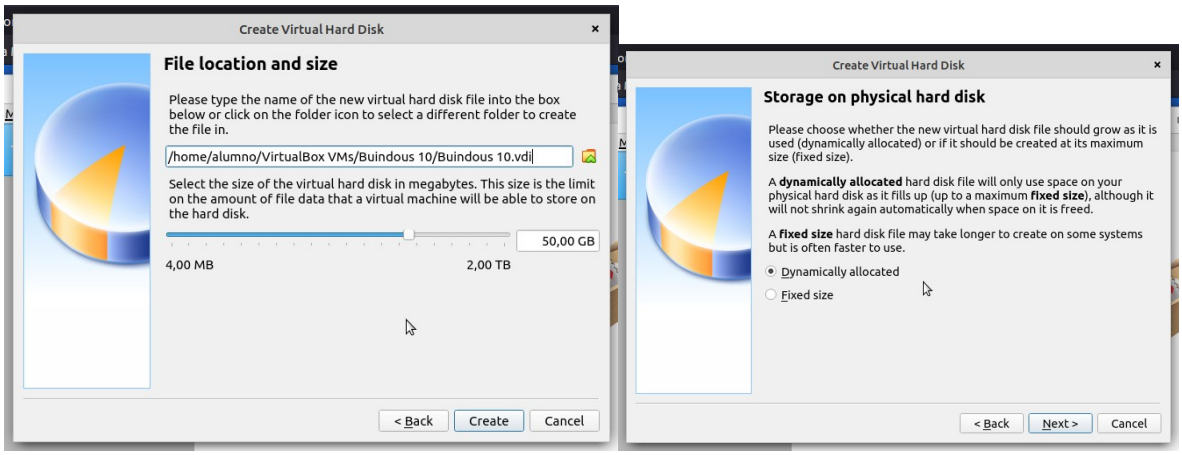
- 2GB of RAM memory.



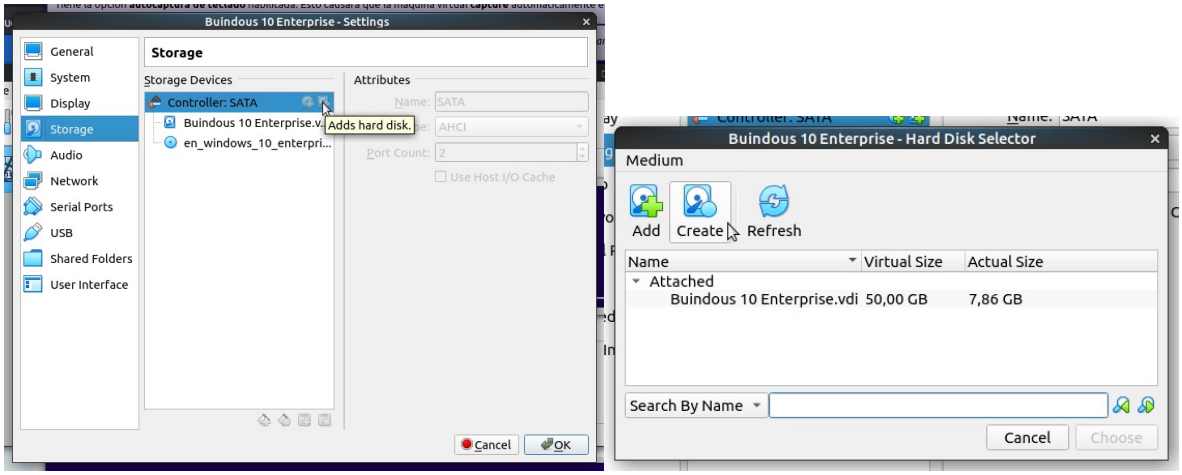
- Boot order (CD and hard drive).

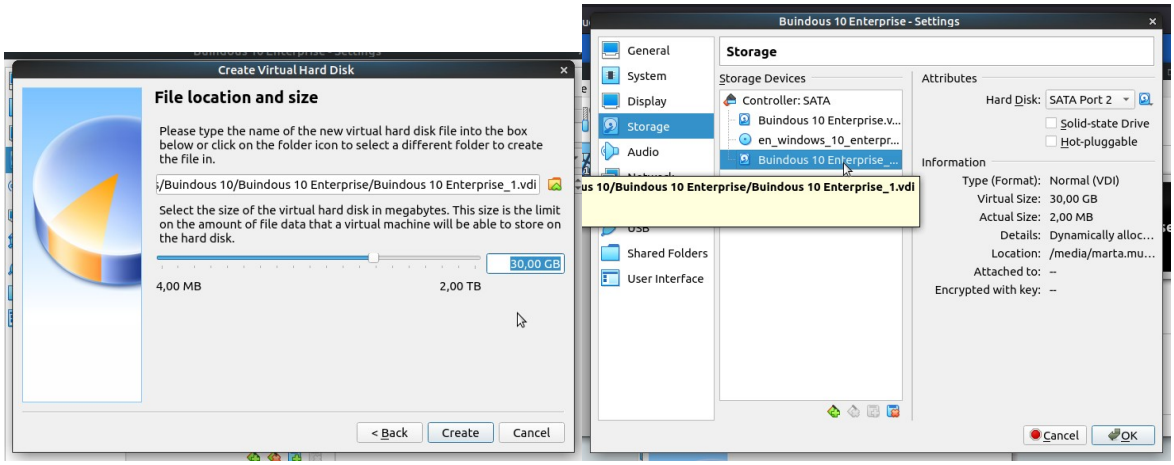


- Two hard drives: one with 50 GB for the operating system and another one with 30 GB empty. Select the type of disk that can dynamically increase.

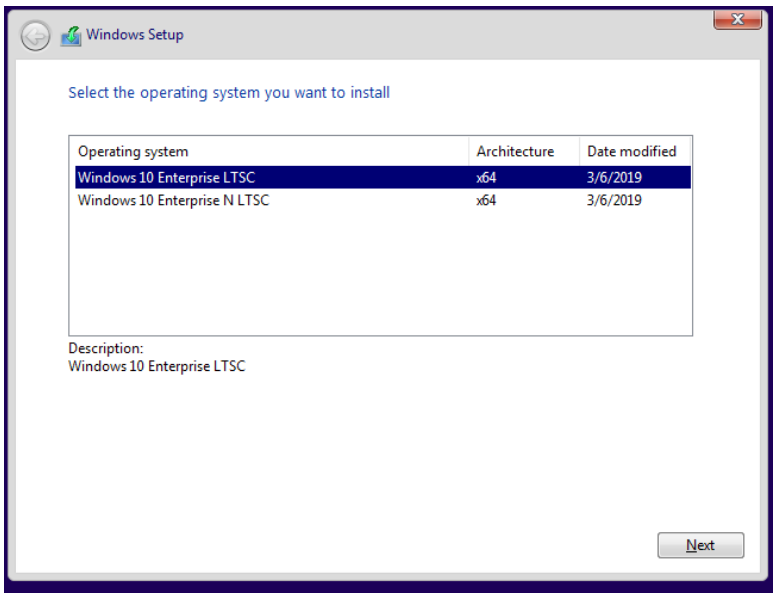


Once the first hard drive is created, I go to Controller: SATA in Settings> Storage and I add a new hard disk. In the next menu, I selected Create, and in FIie Location and size I choose 30 GB.

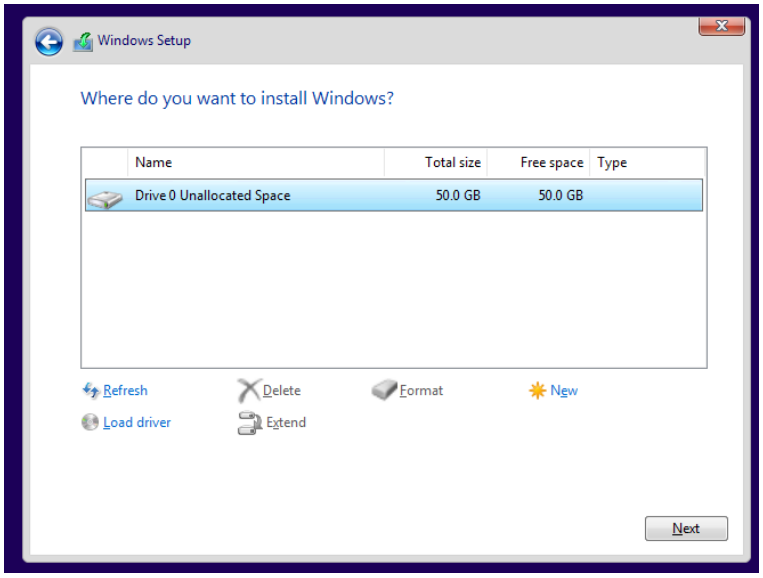


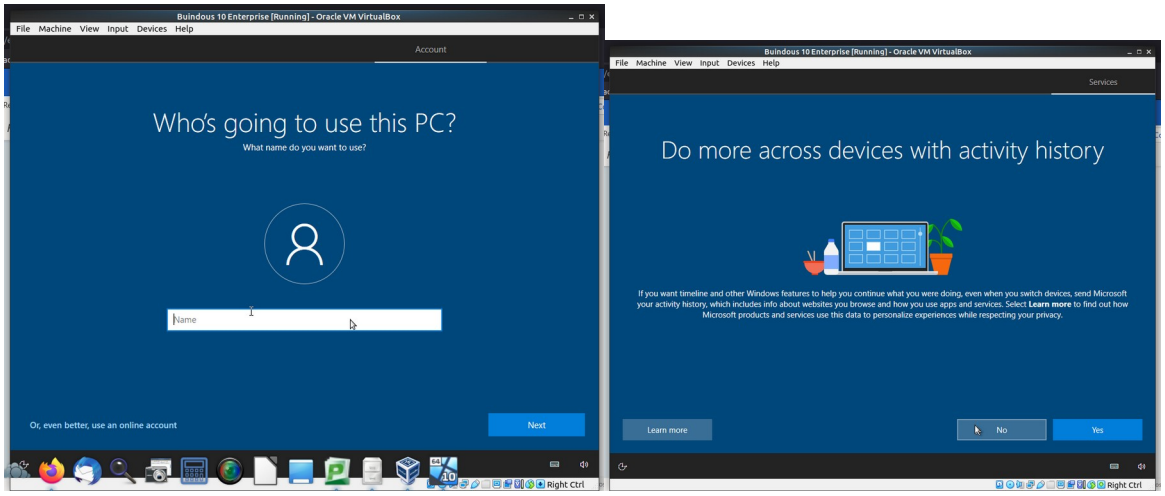


2. **Install Windows 10 in the virtual machine from exercise 1. You must add the following settings:**



I have installed it as Custom, in order to create Windows 10 and not to upgrade it from any data.

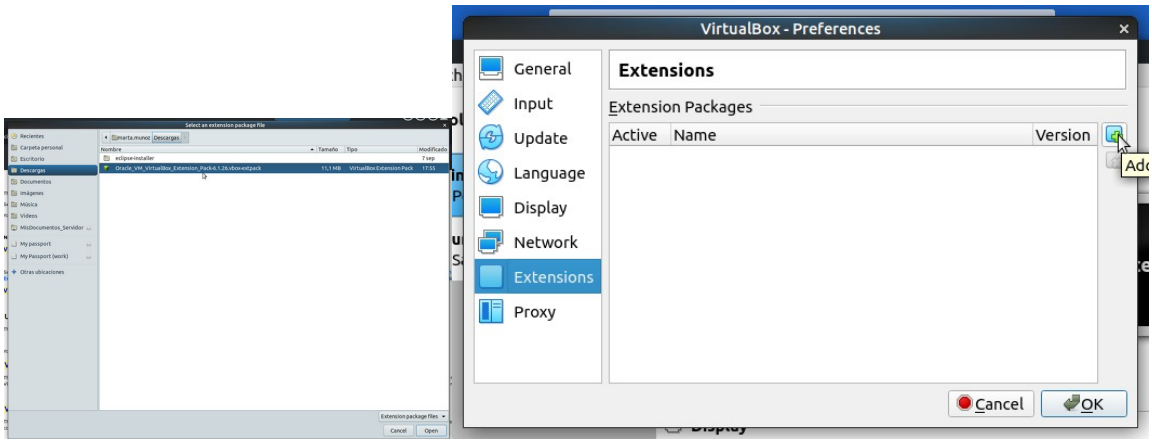




While setting all the features during the installation of Windows, I choose as few things as possible, in order to create the lightest installation of this OS.

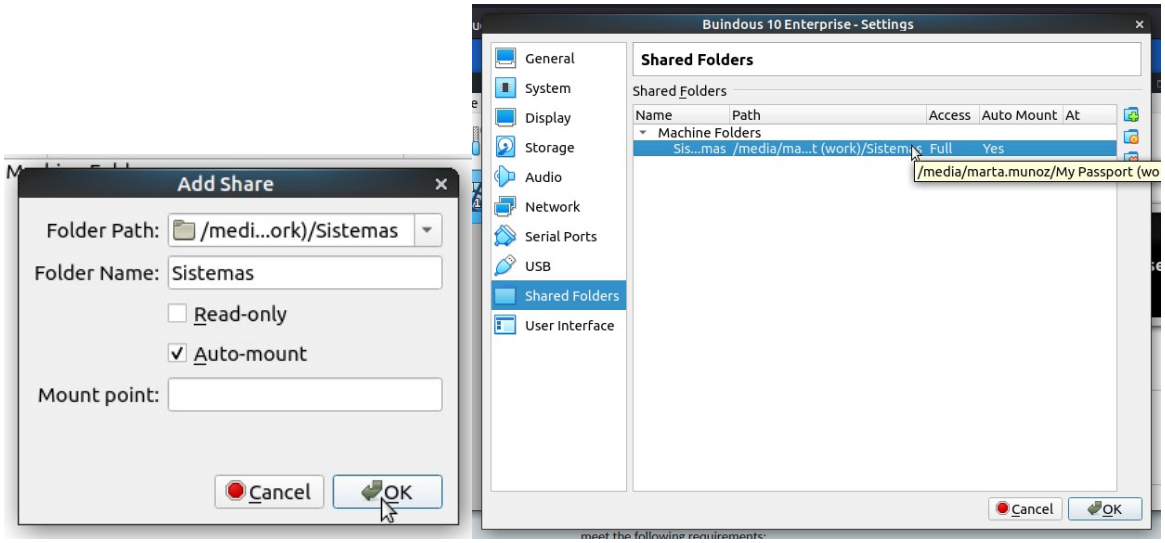
- USB 3.0 support.

I search for the extension in VM Virtual Box website (https://www.virtualbox.org/wiki/Downloads). Then, in File > Preferences, I add the package and install it.

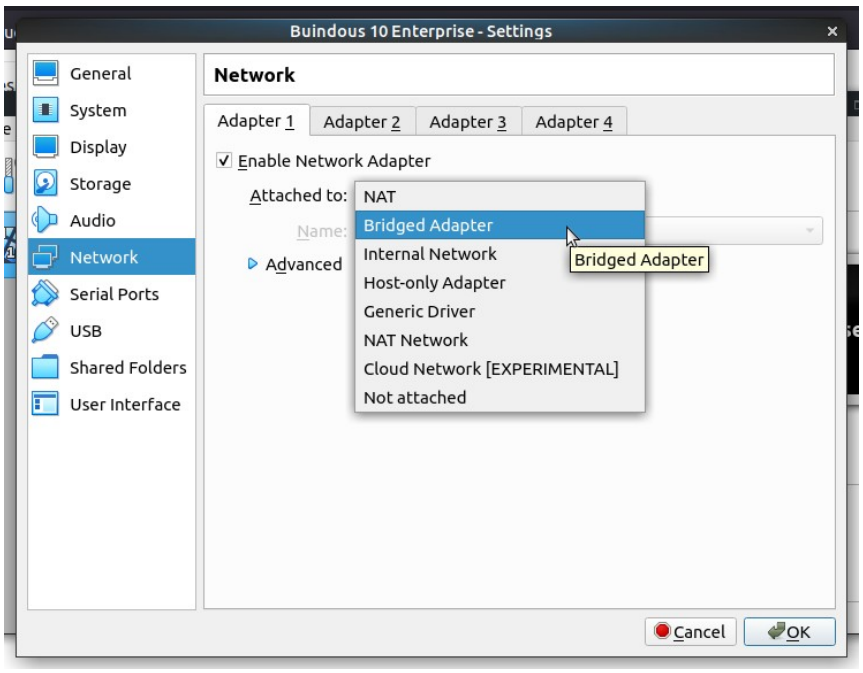


- Shared folders.

In Settings, from the OS, I selected Shared Folders and choose the following features:



- Internet connection including access to the rest of computers of the network.

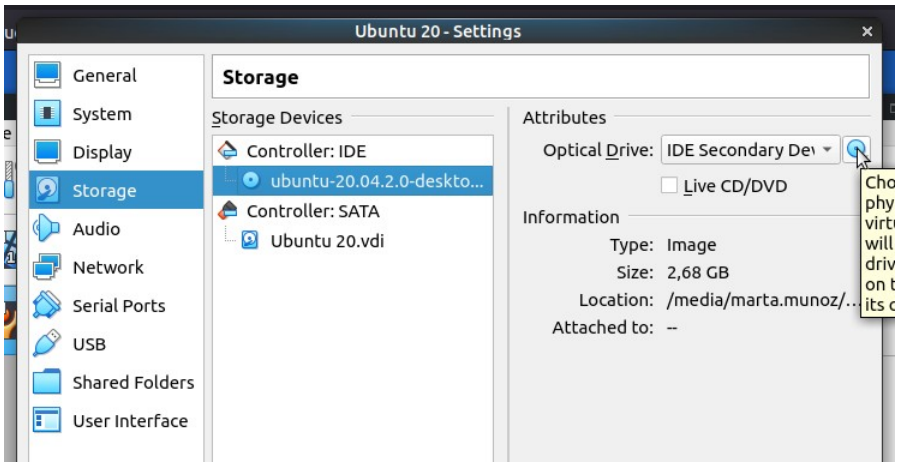


- You will be able to copy and paste from the host to the guest and vice versa.

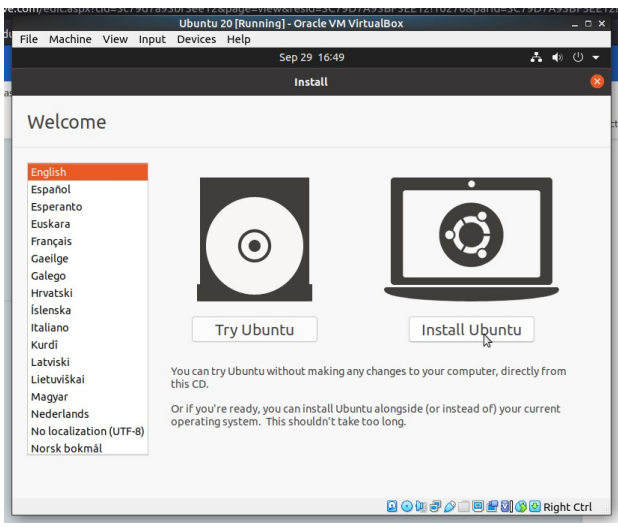
3. **Create another 64-bits virtual machine and install Ubuntu 16.04.**

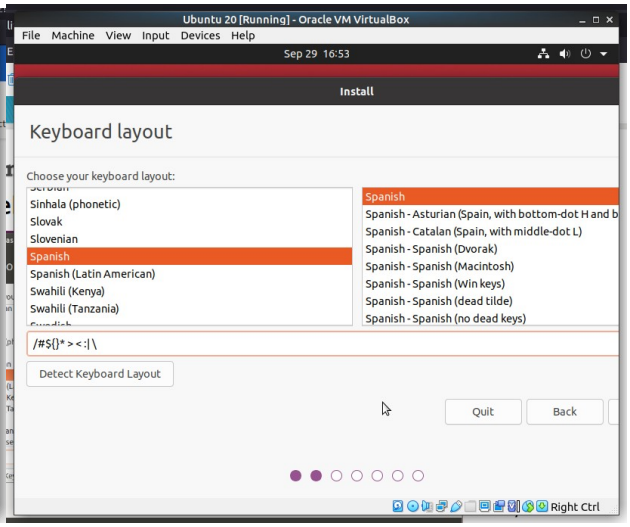
INSTALLATION PROCCESS OF UBUNTU:

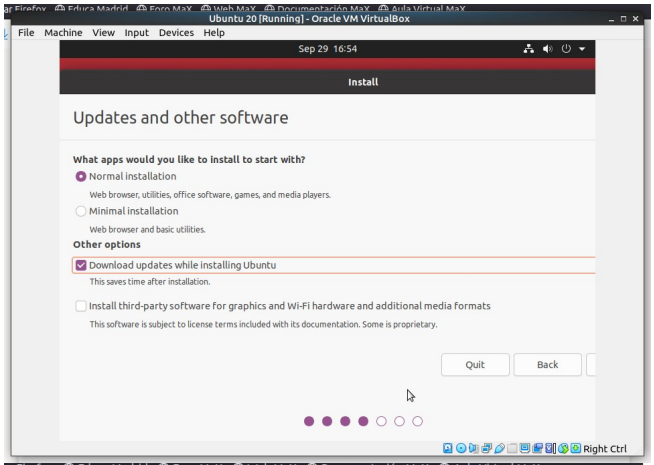
I choose the disk where the program is going to read the installation package of Ubuntu:

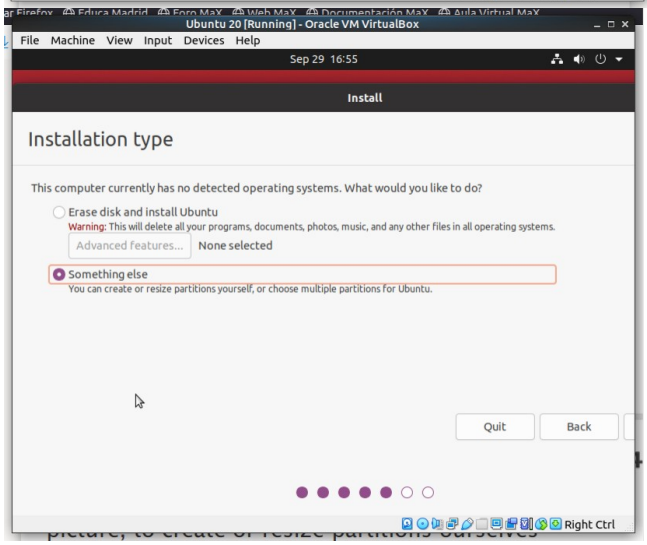


Then, I run Ubuntu:

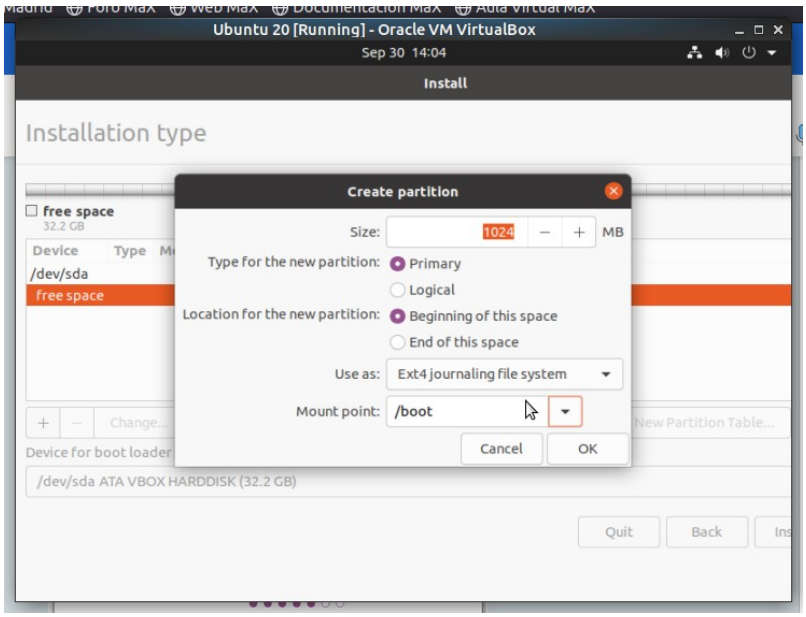




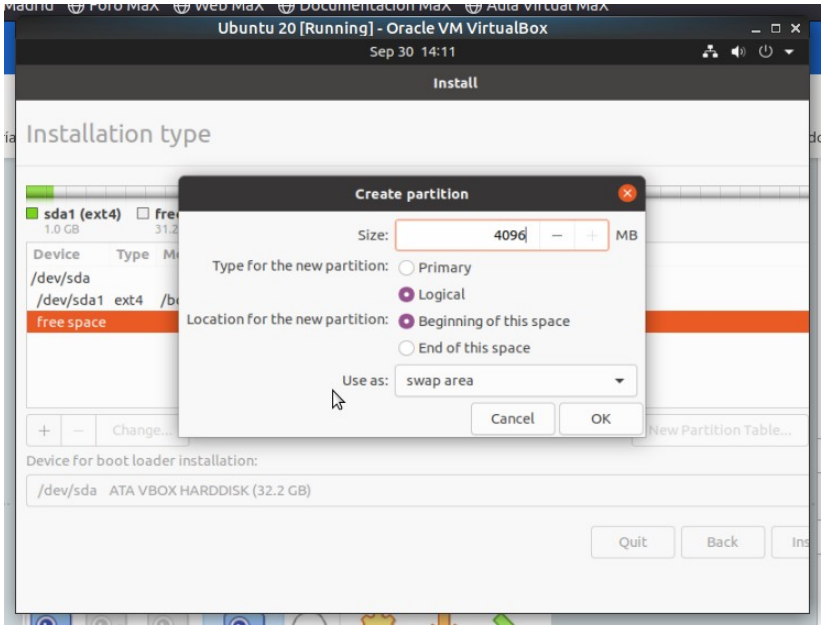




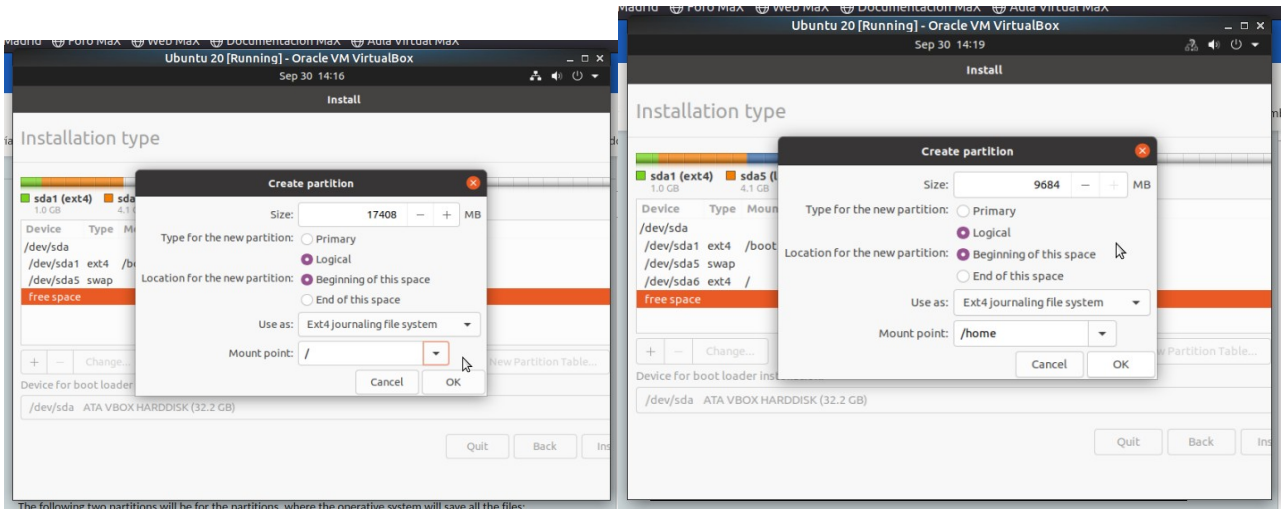
I create a new partition table, where I create a primary partition (MBR), for BOOT:



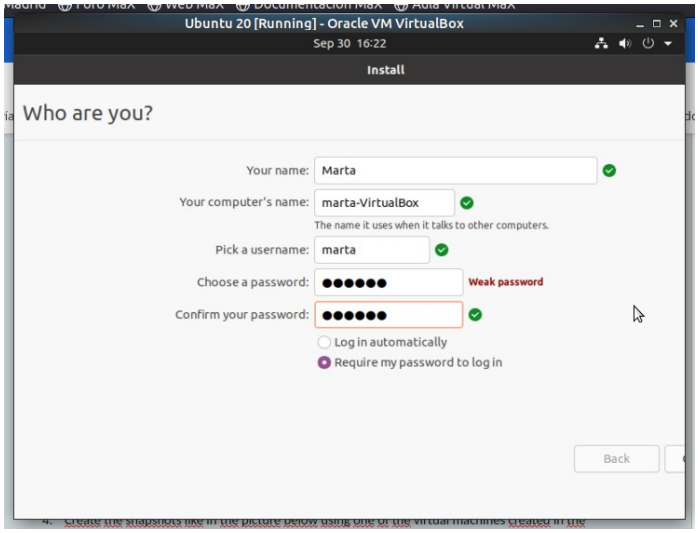
Then, I create another one, a logical partition specially dedicated to the RAM memory:



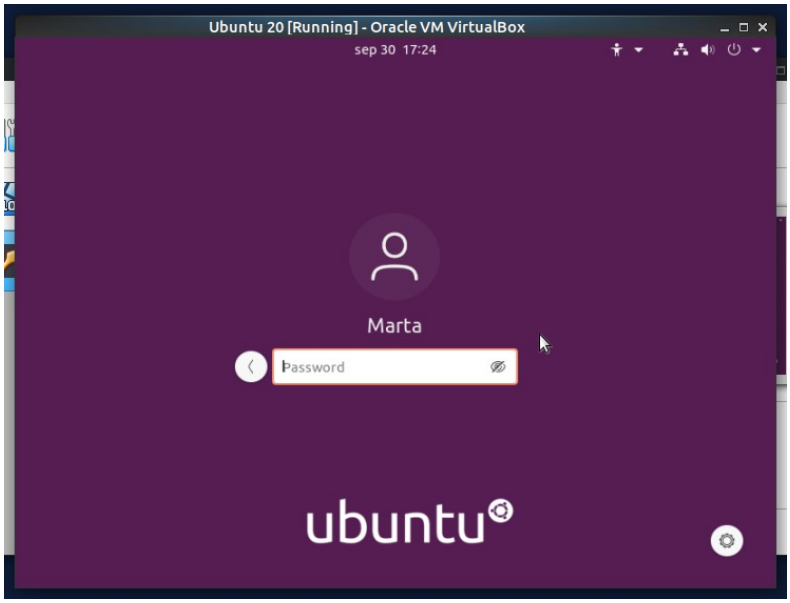
The following two partitions will be for the partitions, where the operative system will save all the files:



Then, while Ubuntu has created the partitions, I choose the time zone and then type my user's name:

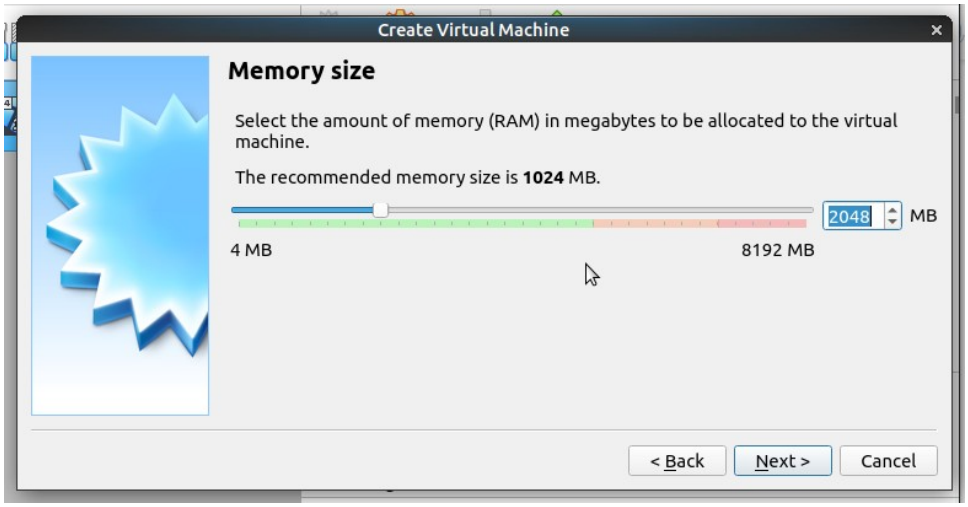


Ubuntu has been installed and it's ready!

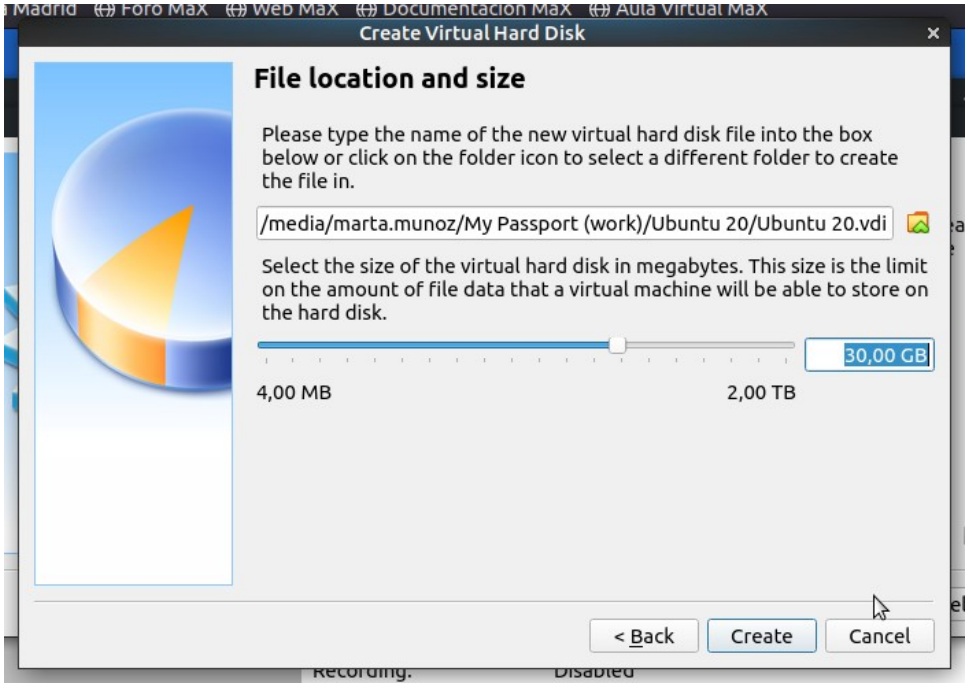


The virtual machine must meet the following requirements:

- 2 GB of RAM memory.

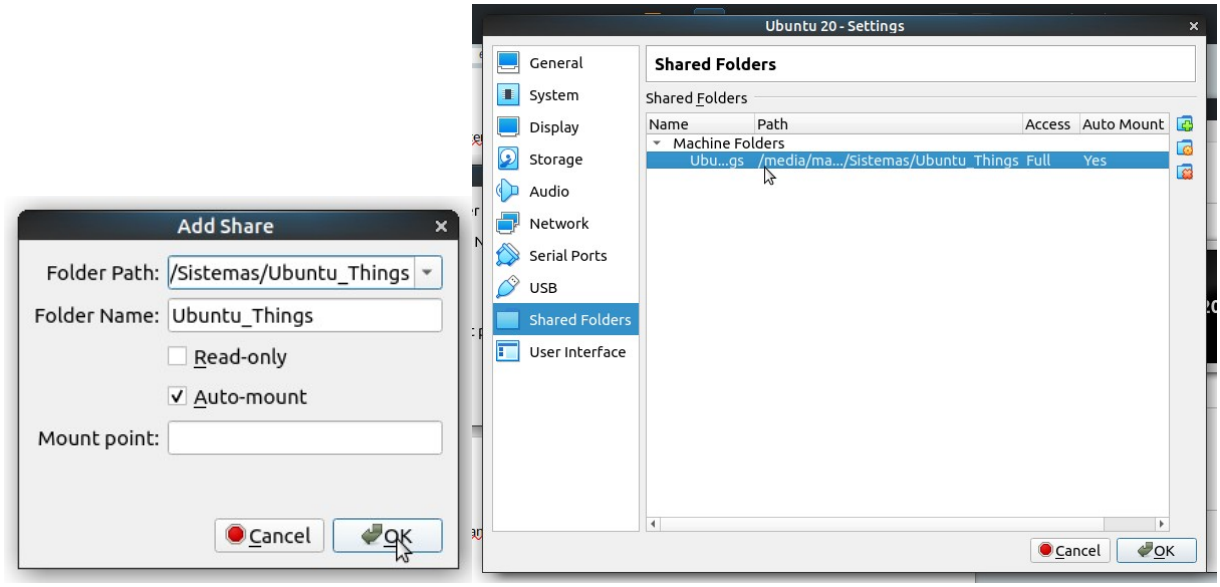


- Just one disk of 30 GB.



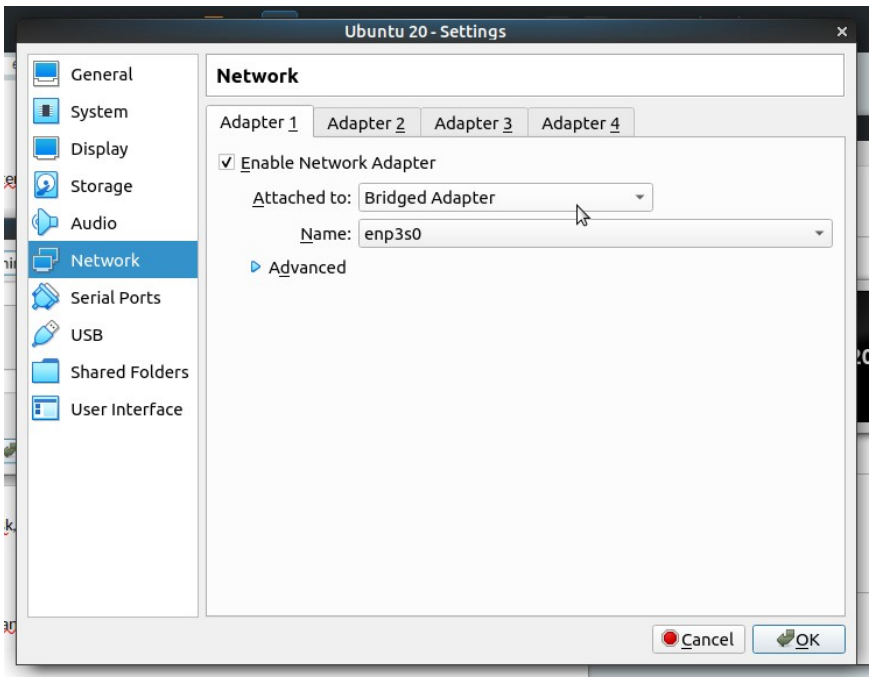
- A shared folder to an external disk.

I attached a folder to my external disk, where It's also installed.



- Internet connection.

I set in Settings > Network the attachment to a Bridged Adapter.



- You will be able to copy and paste from the host to the guest and vice versa.

In order to do this, I go to Settings > General > Advanced, and change the following settings to Bidirectional: