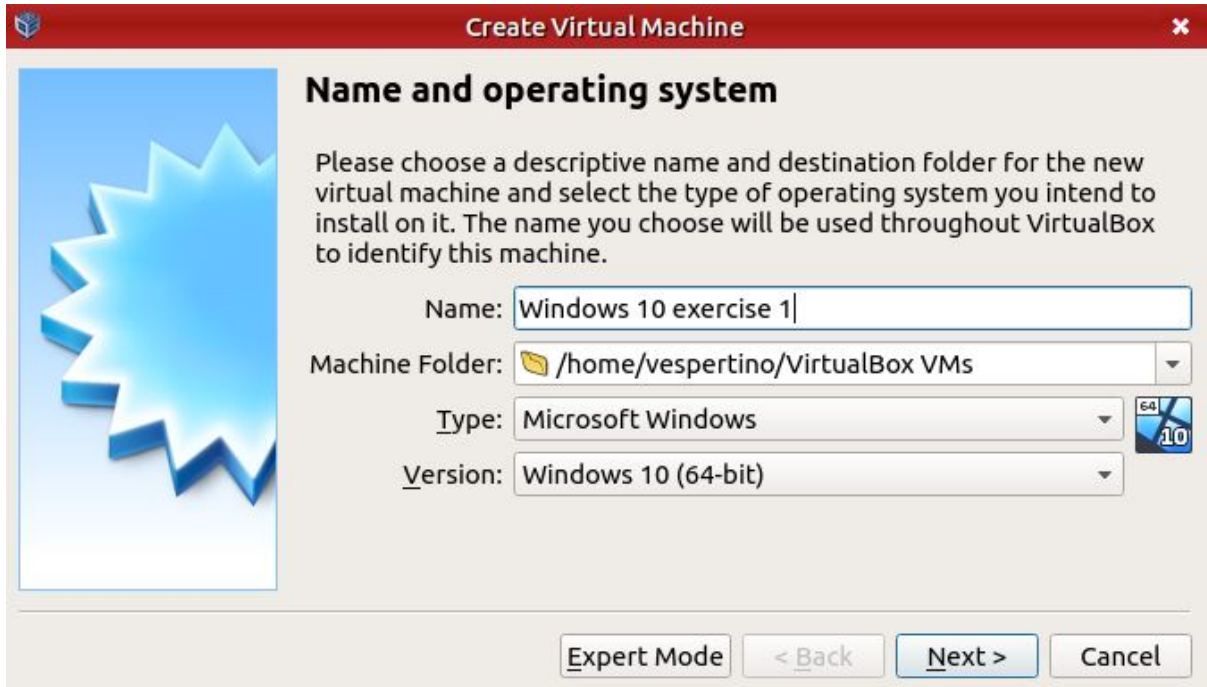


## Exercise 1:

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.

Step 1: We have to choose the OS that we want in this case Windows 10



The screenshot shows the 'Create Virtual Machine' window with the 'Name and operating system' tab selected. The window has a red title bar and a blue star icon on the left. The main area contains instructions and input fields for the VM name, folder, type, and version. The 'Name' field is 'Windows 10 exercise 1', 'Machine Folder' is '/home/vespertino/VirtualBox VMs', 'Type' is 'Microsoft Windows', and 'Version' is 'Windows 10 (64-bit)'. At the bottom are buttons for 'Expert Mode', '< Back', 'Next >', and 'Cancel'.

**Create Virtual Machine**

**Name and operating system**

Please choose a descriptive name and destination folder for the new virtual machine and select the type of operating system you intend to install on it. The name you choose will be used throughout VirtualBox to identify this machine.

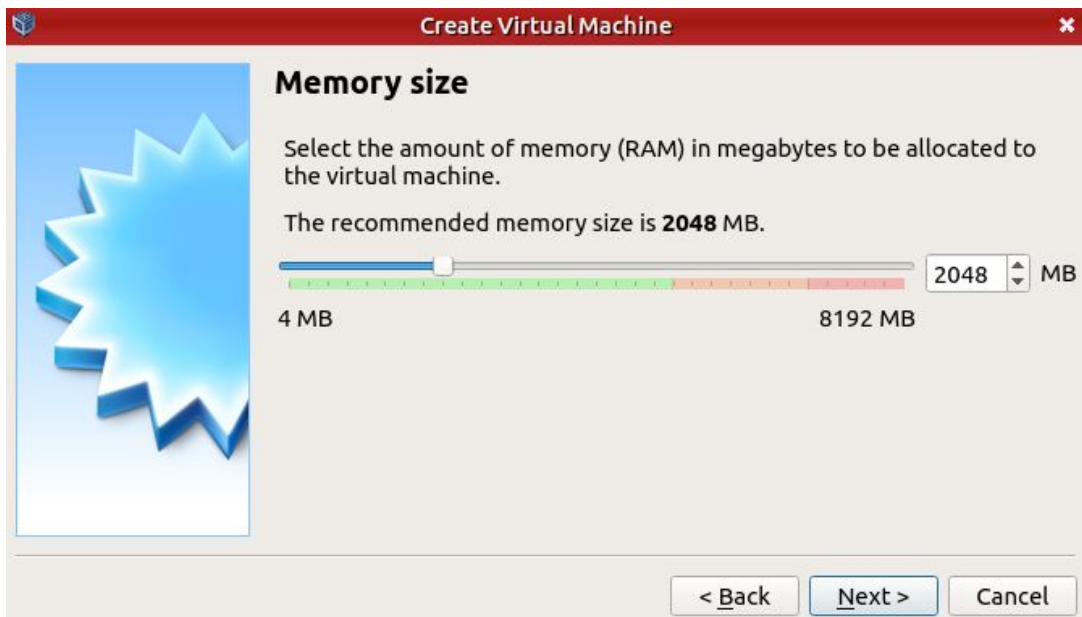
Name:

Machine Folder:

Type:

Version:

Step 2: The exercise say that we have to put 2GB of Ram so we are going to put this size in this window:



The screenshot shows the 'Create Virtual Machine' window with the 'Memory size' tab selected. The window has a red title bar and a blue star icon on the left. The main area contains instructions and a slider for memory allocation. The recommended memory size is 2048 MB. The slider is set to 2048 MB, with a range from 4 MB to 8192 MB. At the bottom are buttons for '< Back', 'Next >', and 'Cancel'.

**Create Virtual Machine**

**Memory size**

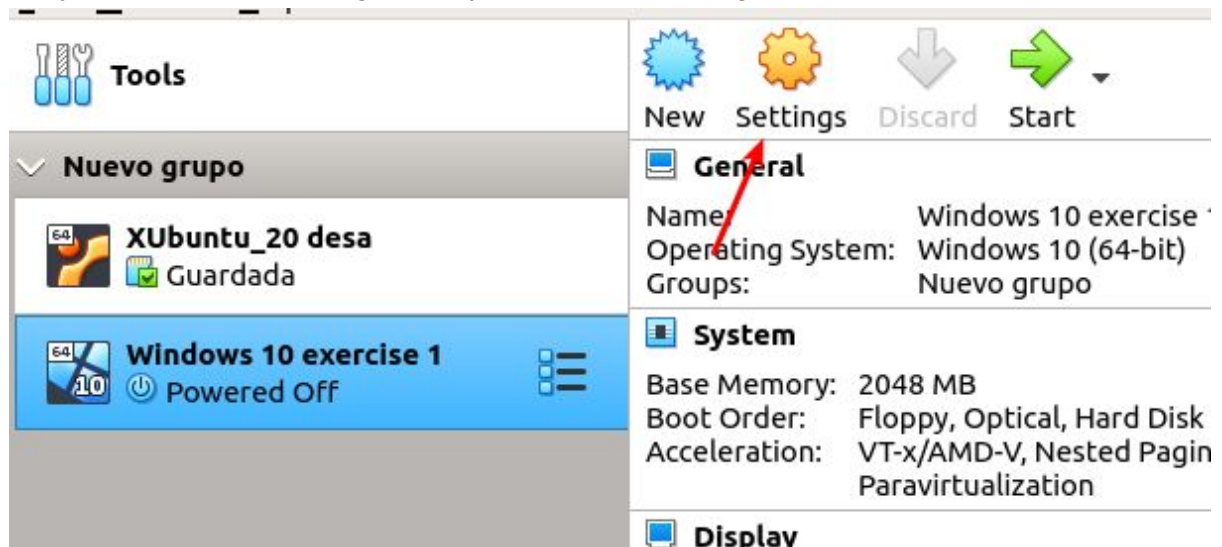
Select the amount of memory (RAM) in megabytes to be allocated to the virtual machine.

The recommended memory size is **2048 MB**.

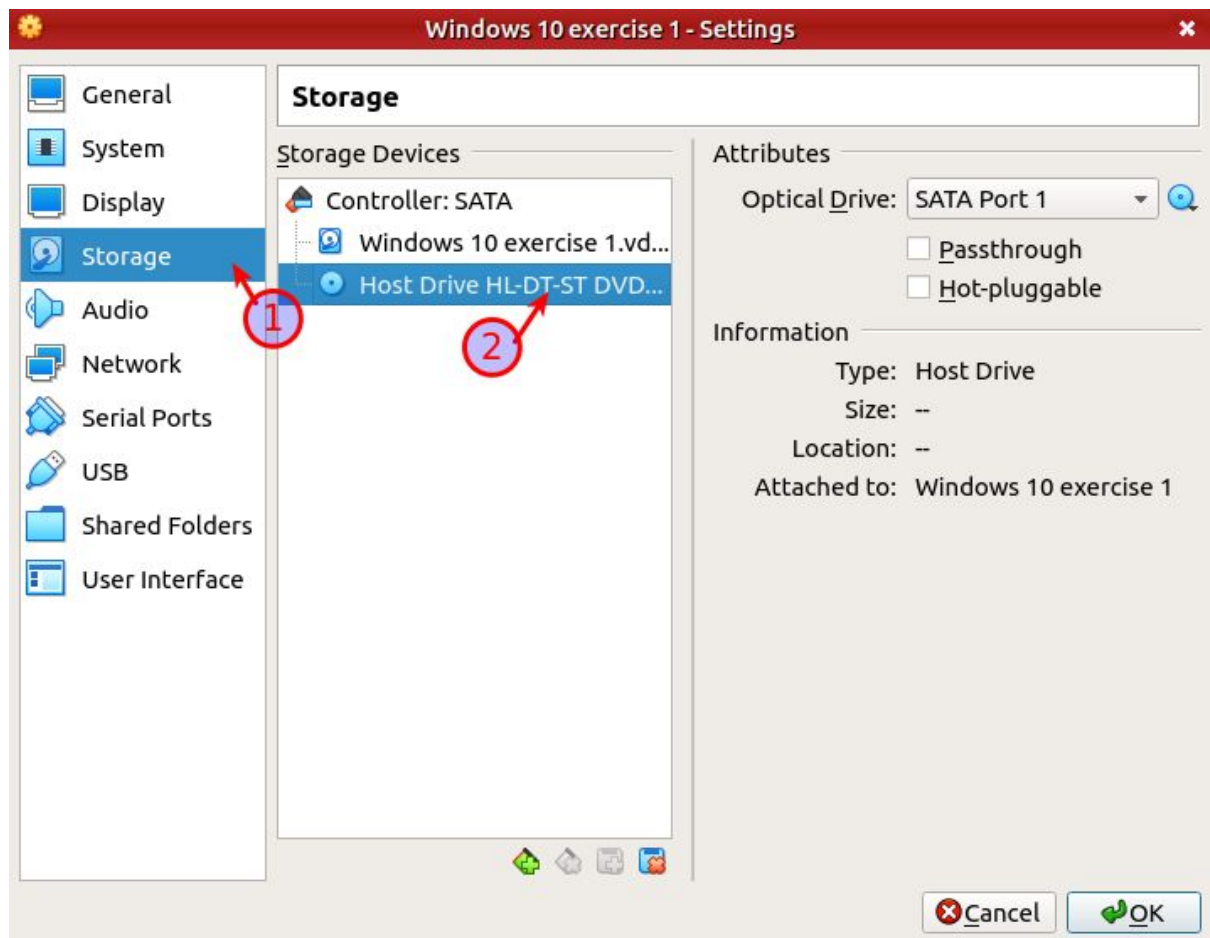
MB

4 MB 8192 MB

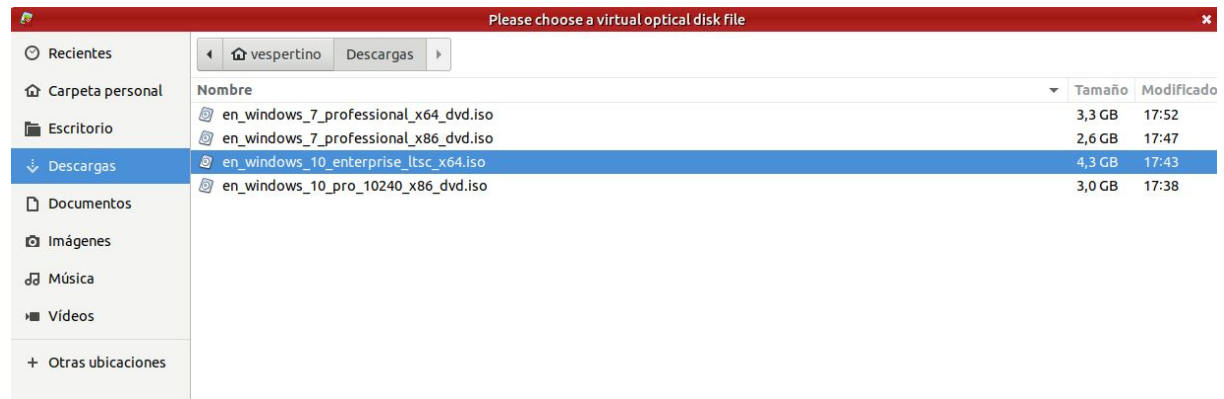
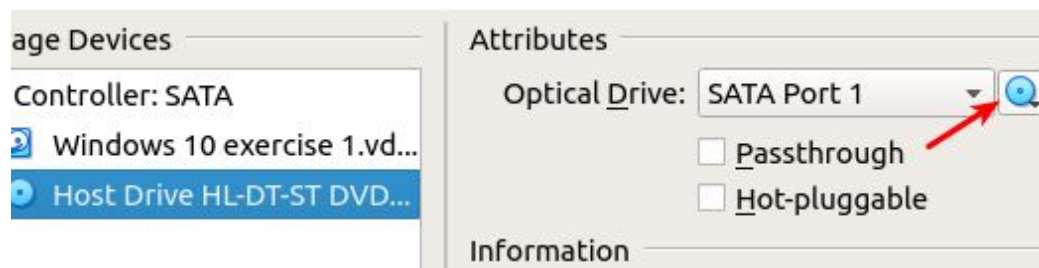
Step 3: For the boot of the OS you have to put the ISO first in the configuration window, for this you have enter in configuration you can enter clicking here:



Step 3.b: When you are in settings you are going to “Storage” . then you are going to select the disk with the name “Host Drive...”



Now you have to click here and select the ISO that you want to use:

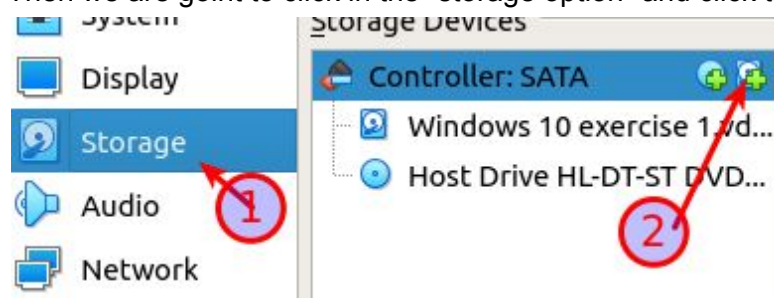


In this case we are going to use this version of Windows 10

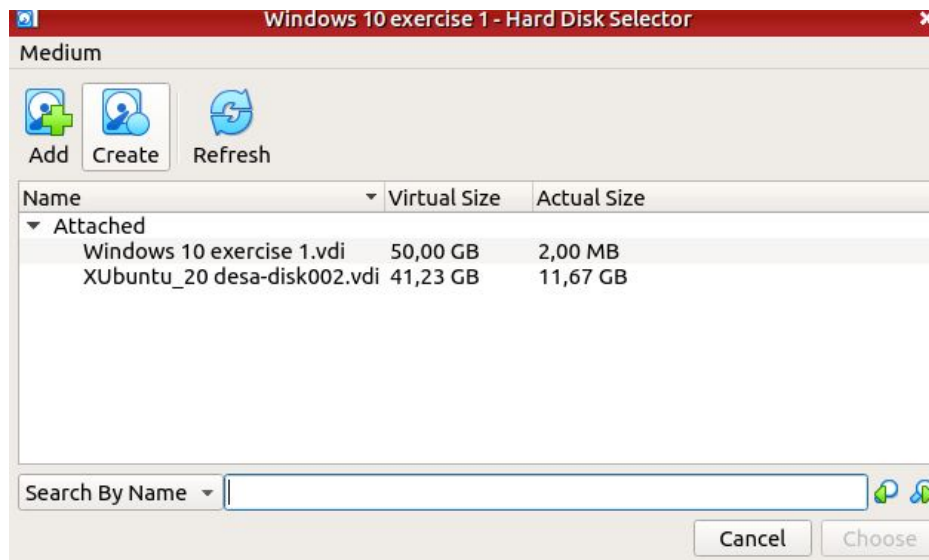
Step 4: Now we have to put another dynamic disk with 30GB for this, we are going again to configuration:



Then we are going to click in the "storage option" and click the next option:



Now this window will open and we have to choose “Create” to add a new disk:




This window will open and you have to select first the hard disk file type, next if you want a dynamic or fixed size and then the size that we want in the disk:

1:



2.



### Storage on physical hard disk

Please choose whether the new virtual hard disk file should grow as it is used (dynamically allocated) or if it should be created at its maximum size (fixed size).

A **dynamically allocated** hard disk file will only use space on your physical hard disk as it fills up (up to a maximum **fixed size**), although it will not shrink again automatically when space on it is freed.


A **fixed size** hard disk file may take longer to create on some systems but is often faster to use.

☒ Dynamically allocated

☐ Fixed size


< Back Next > Cancel

3.




### File location and size

Please type the name of the new virtual hard disk file into the box below or click on the folder icon to select a different folder to create the file in.

s:\Nuevo grupo/Windows 10 exercise 1/Windows 10 exercise 1\_2.vdi 

Select the size of the virtual hard disk in megabytes. This size is the limit on the amount of file data that a virtual machine will be able to store on the hard disk.

 30,00 GB

4,00 MB 2,00 TB

< Back Create Cancel

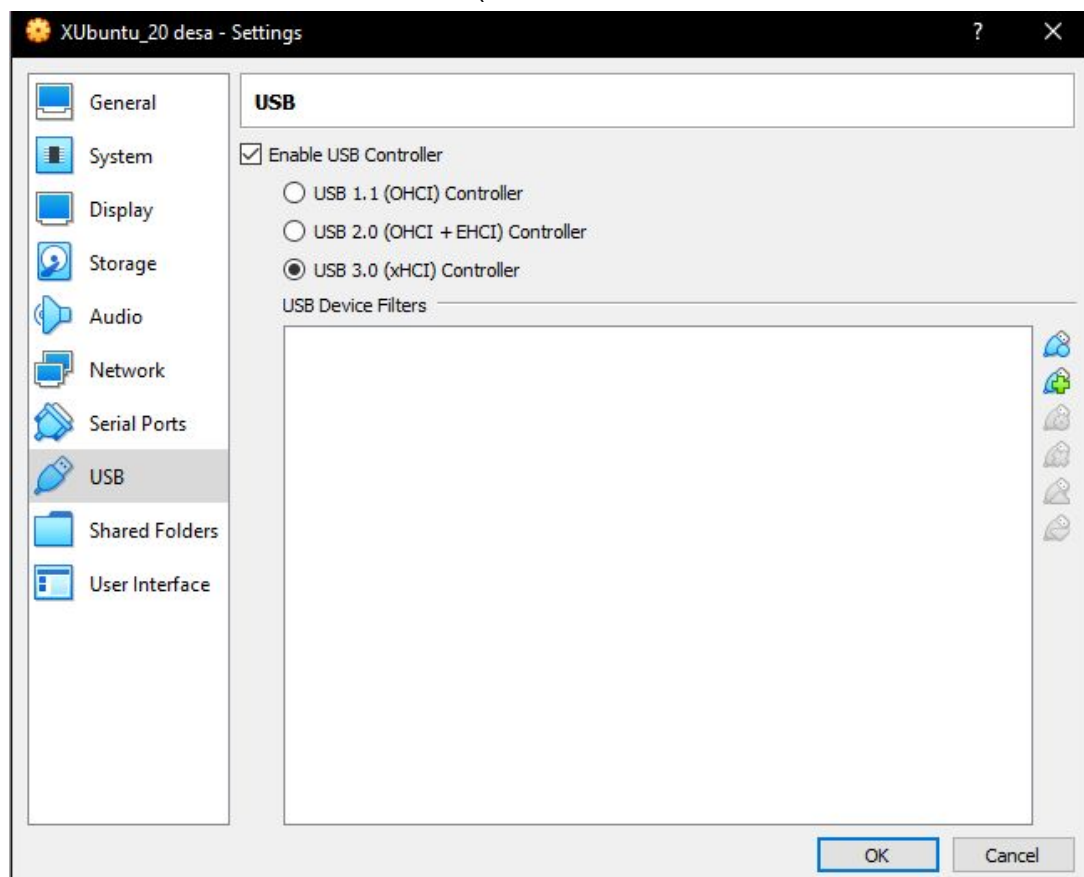


Then we have to click the create button, and now we have to select the disk that we have create and click the choose button:

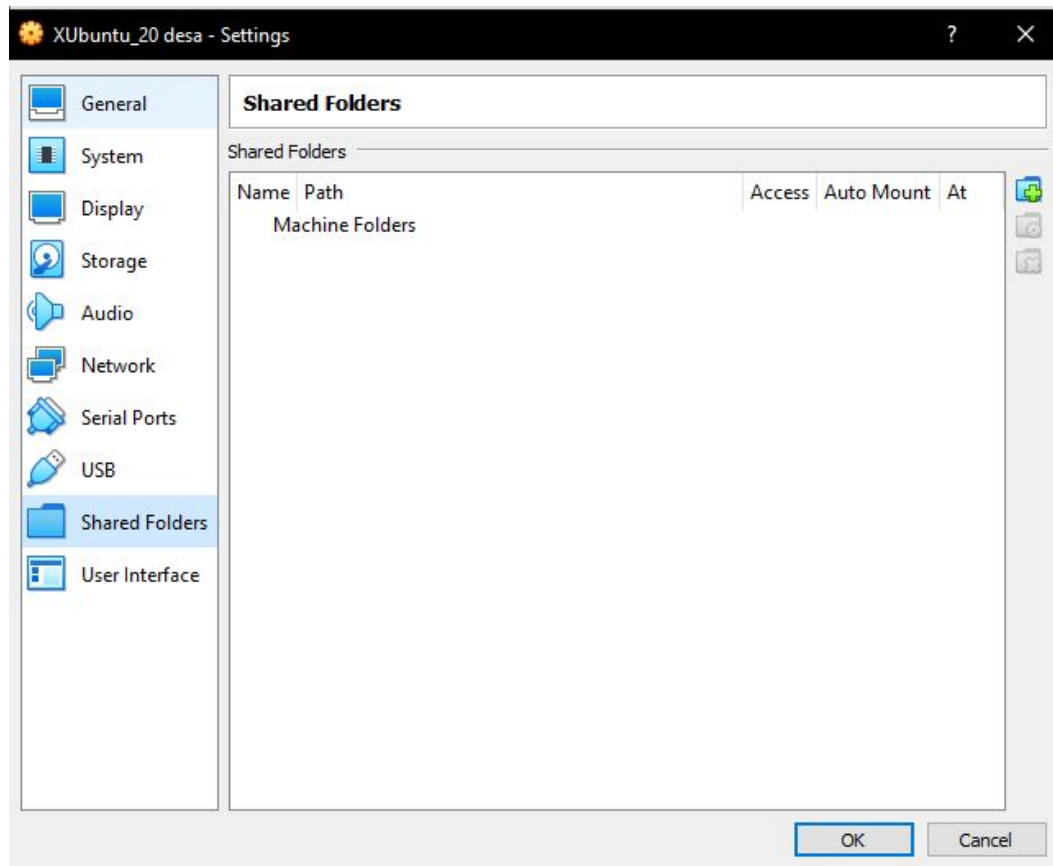


and that's all

Now we have to put the USB 3.0 support to do this we go to the settings and click in the usb section and select the 3.0 controller (all of this before the installation of the extension pack)



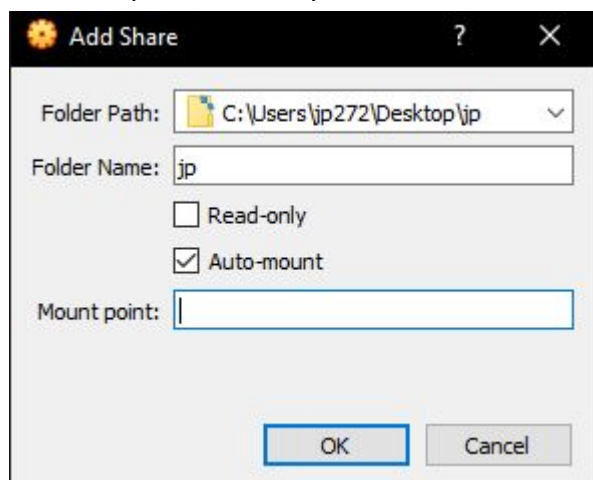
For share folders we have to go to the “shared folders” option:



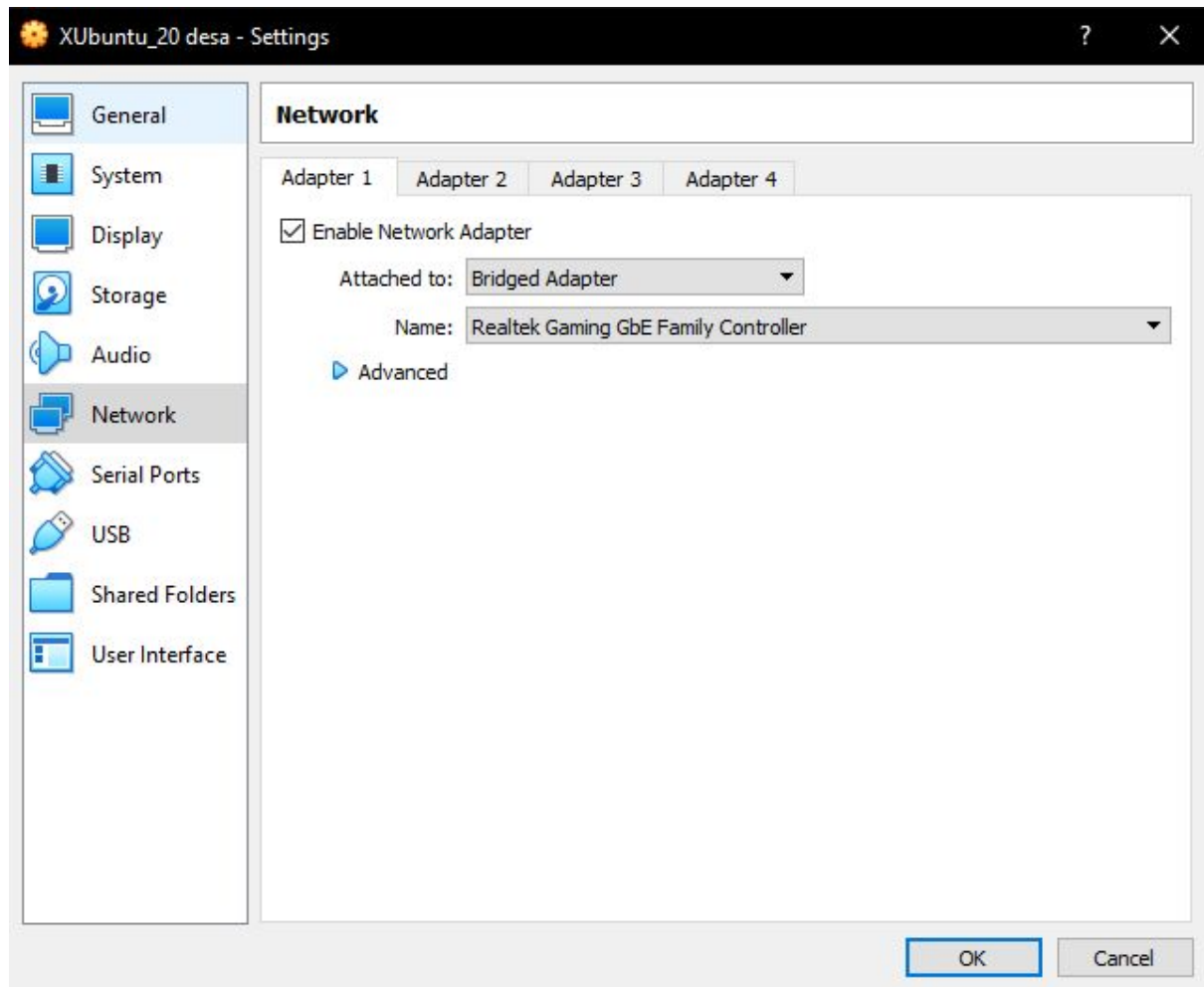
Now we click this button



And then put the folder path, folder and click the auto-mount option:

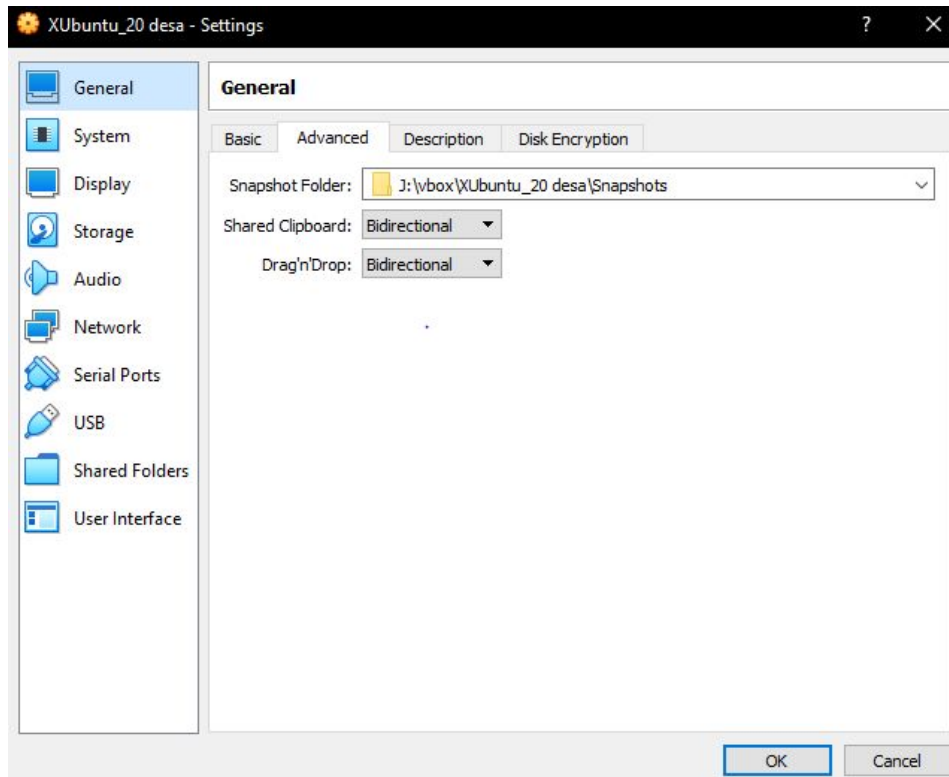


Now we need to change the network adapter to establish the connection with others computers we have to put the bridge adapter:





Now we have to configure the settings to copy and paste from the host to the guest:



Let's check if it works