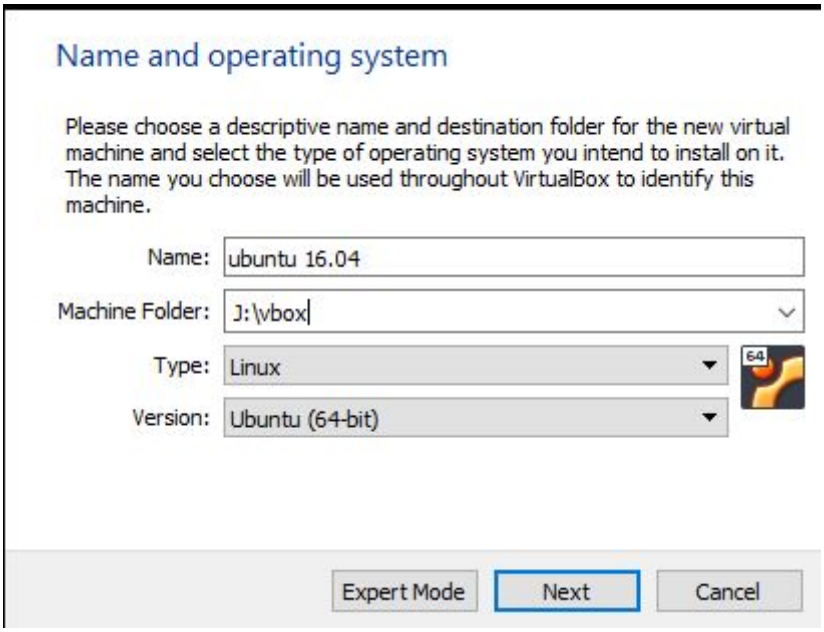
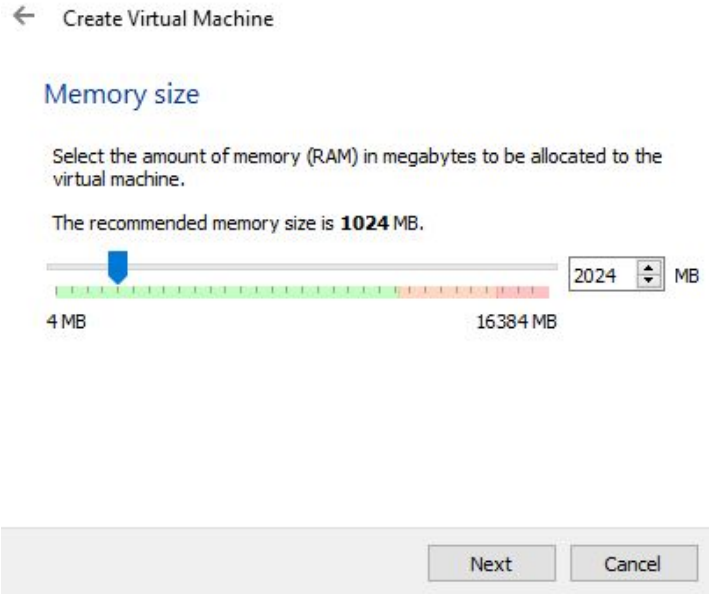
Firstable we have to open our software of virtualization, in our case is VirtualBox:

Then when we opened the application we are going to click in this icon:

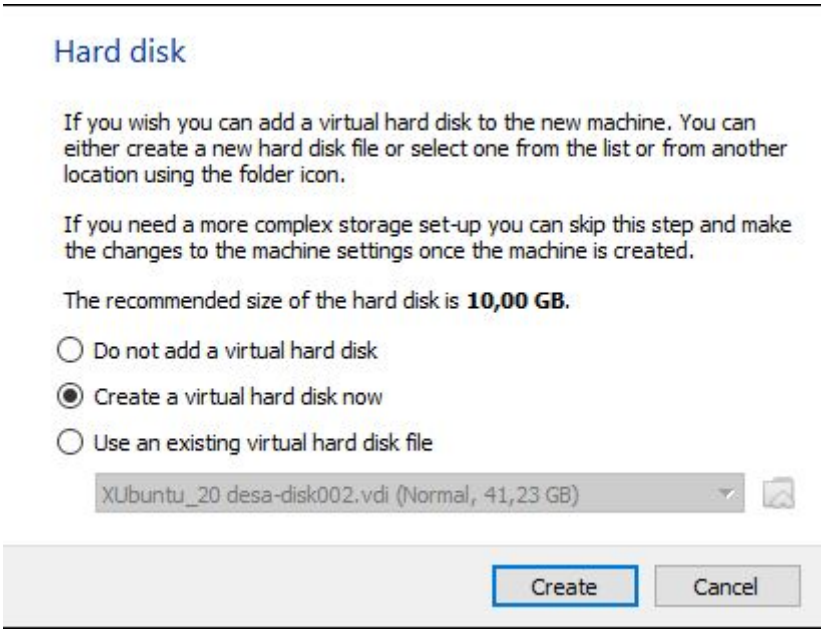
In this window we have to put name for the OS, the machine folder, the type of de OS and the version of this one:



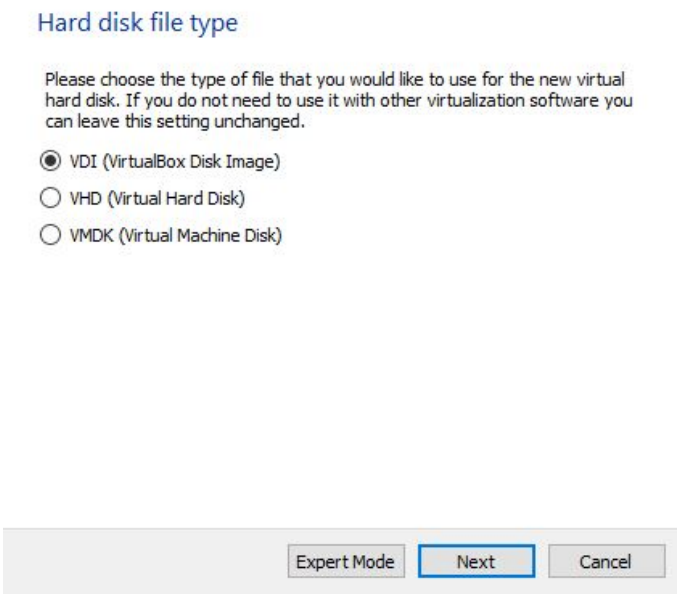
Then we have to select the amount of memory that we want to use:



Now we are going to choose if we want to use a new disk or we want use a already created disk

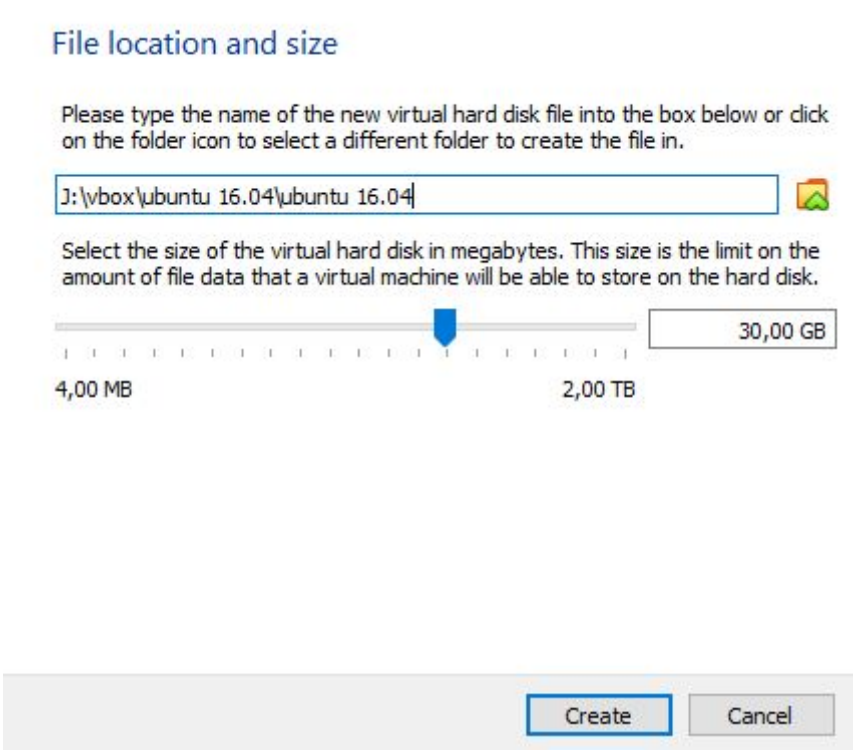


Next we are going to select the type of hard disk file:



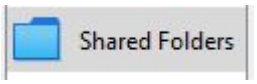
Now have to choose if we want a dynamic o fixed size

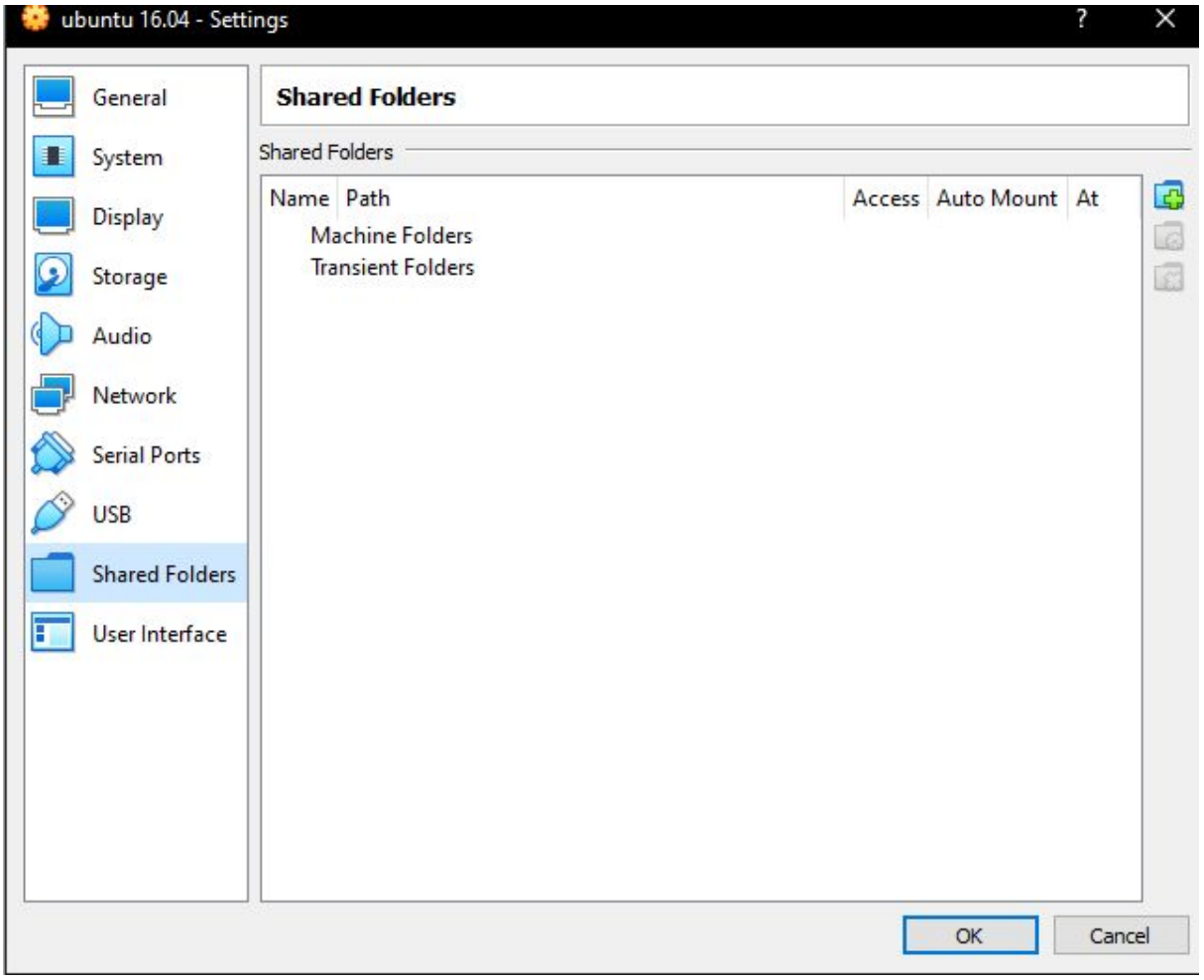
Then we are going to select the size of the disk



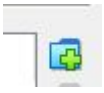
and that's all

Now we have to share folder, for that we have go to settings and here we have to click in the shared folder option:

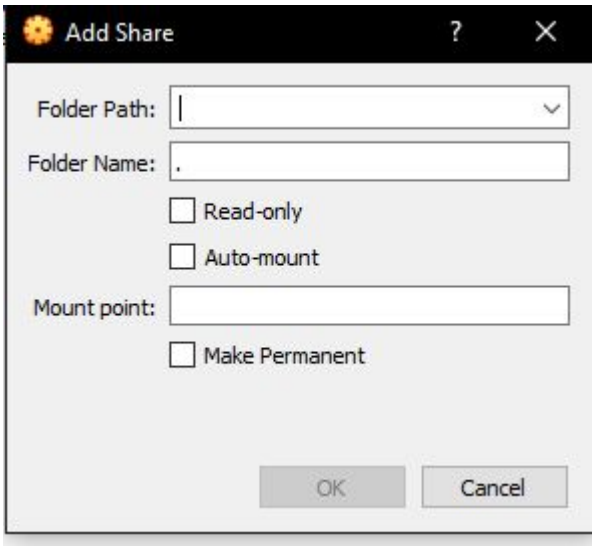




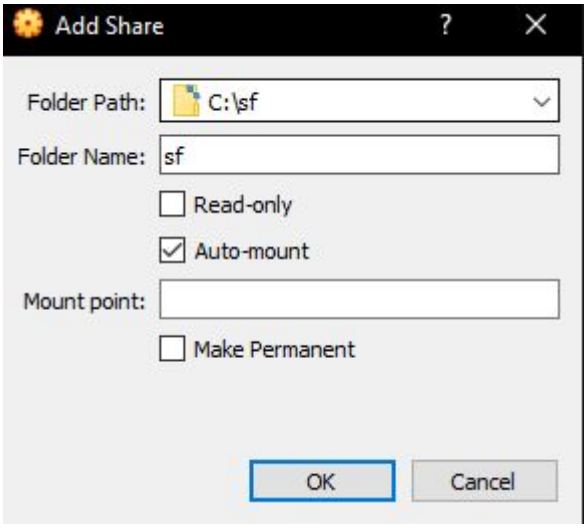
Here we click in this icon for add a folder to share:



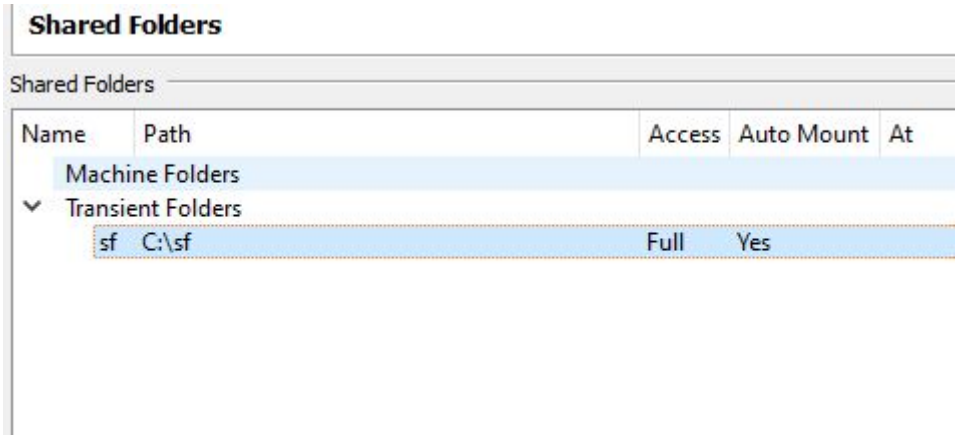
Then the window open we have to put the followings options:



In folder path we have to select the path of the folder that we want to share



Next click the ok button and we will see this:

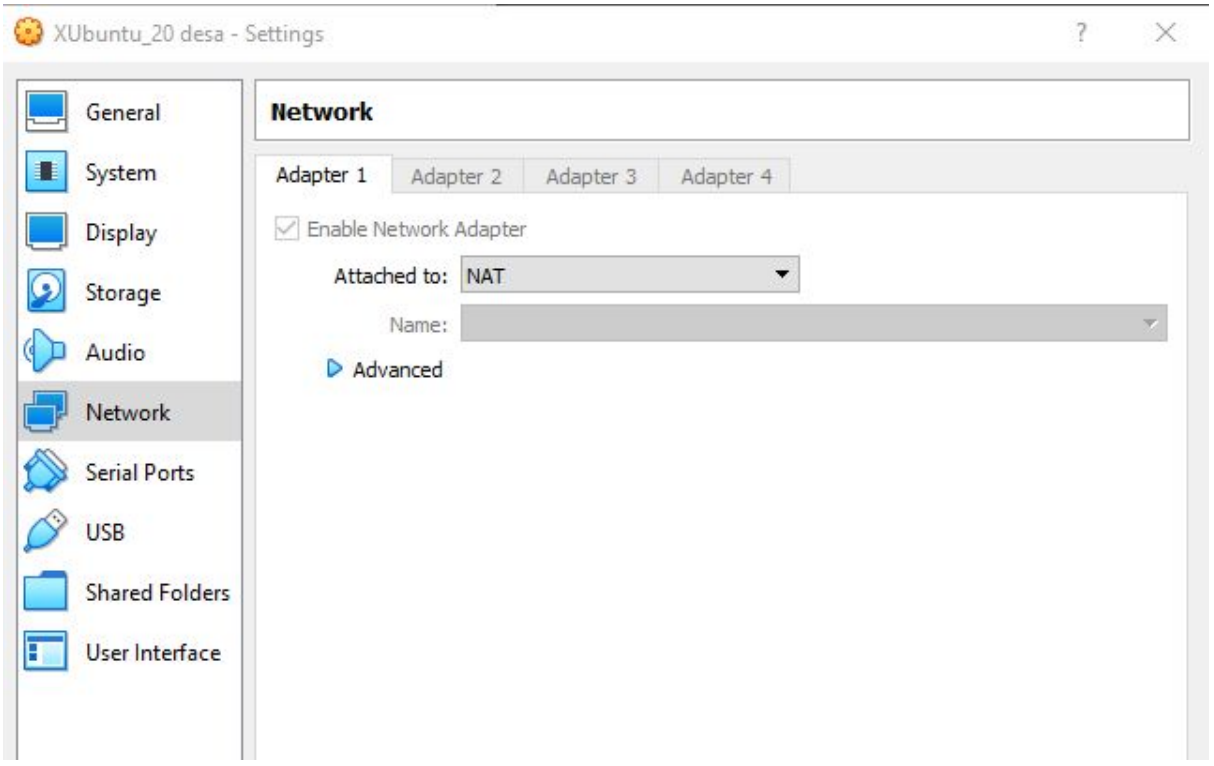


home 11 root 13 boot swap 2

Important: if u want see the share folder and you can't. You just have to put this command

```
student@student-VirtualBox:~$ sudo adduser student vboxsf
```

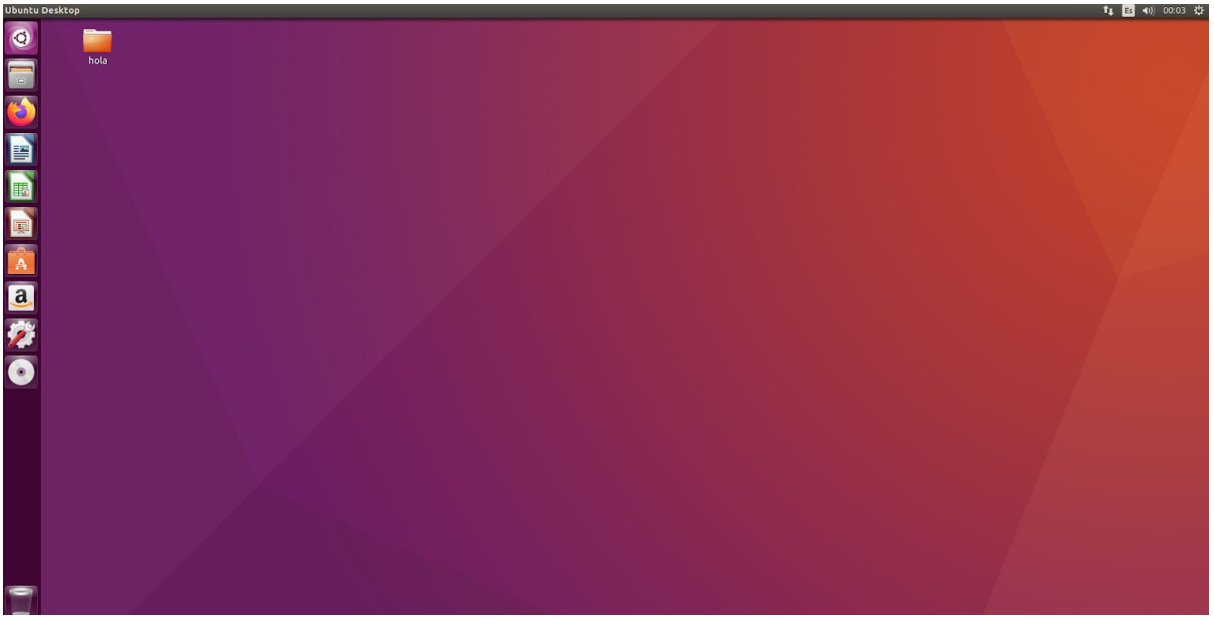
Now we have to configure the internet connection:
For this we have to go to the network option in settings.



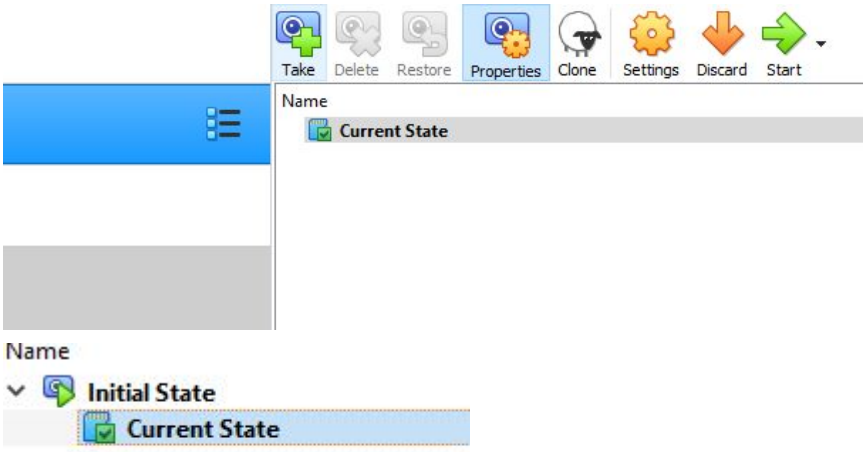
Then in “attached to”: we select the option called NAT “Bridget adapter” :

4. Create the snapshots like in the picture below using one of the virtual machines created in the previous exercises. Before each snapshot, you must change something in the operating system. This tool is normally used when performing a critical action or installing software. But, in this case, you can do something so easy as creating a new file to study the different states.

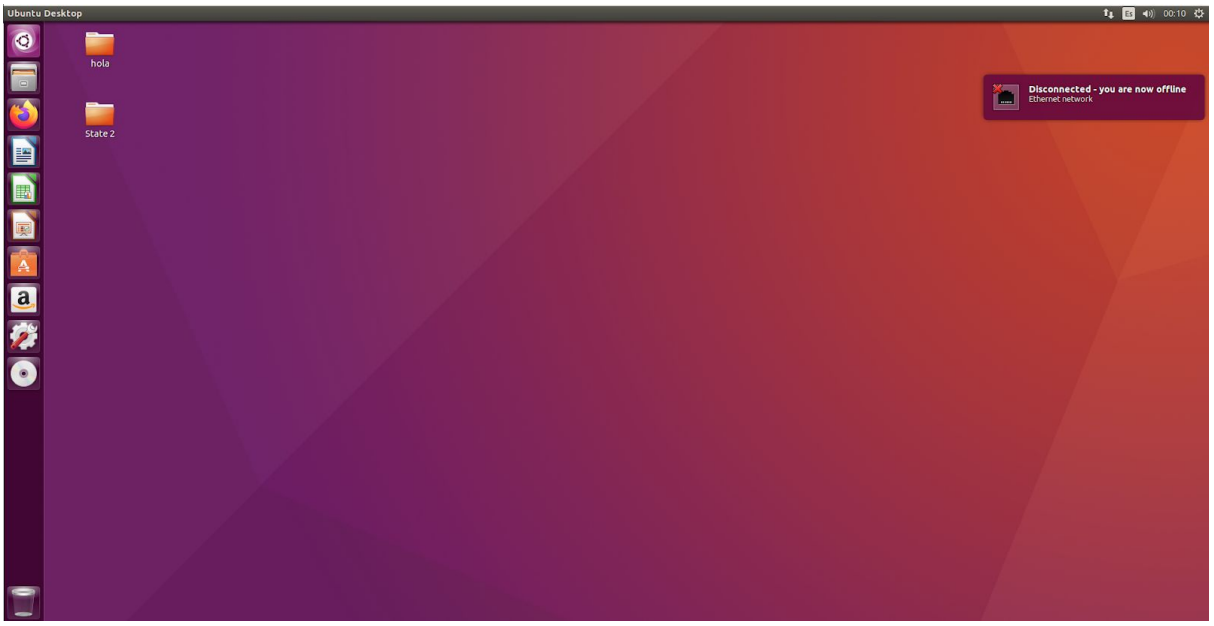
We are in the actual state



Now we have to take a snapshot



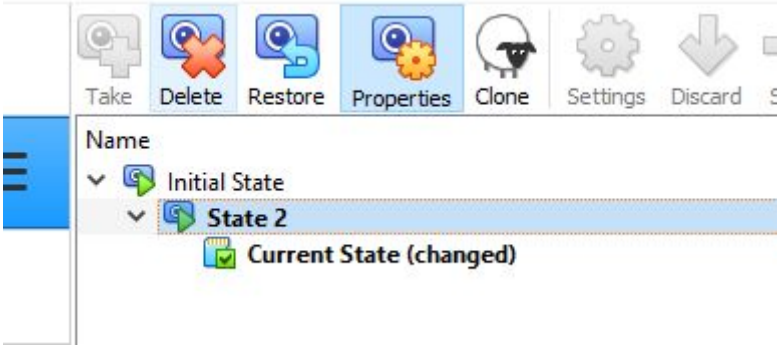
Then we have to create the State 2 modifying something for check in the following steps:



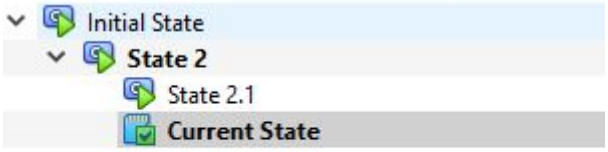
Let's take the snapshot State 2:

Now we are going to delete the folder that we create in the before step

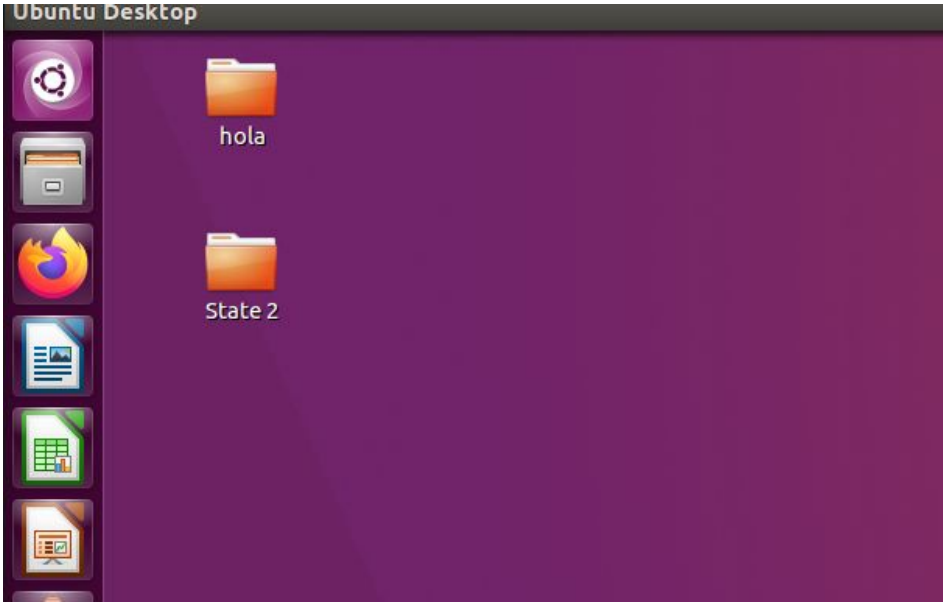
Now to do the State 2.1 we have to restore in the State 2:



and this should looks like this:



And you can see that we recover the folder that has been eliminated in the before steep:



Next we are going to create again another snapshot with the name State 2.2: