



USE UBUNTU 22.04 LTS IN WINDOWS

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BSC

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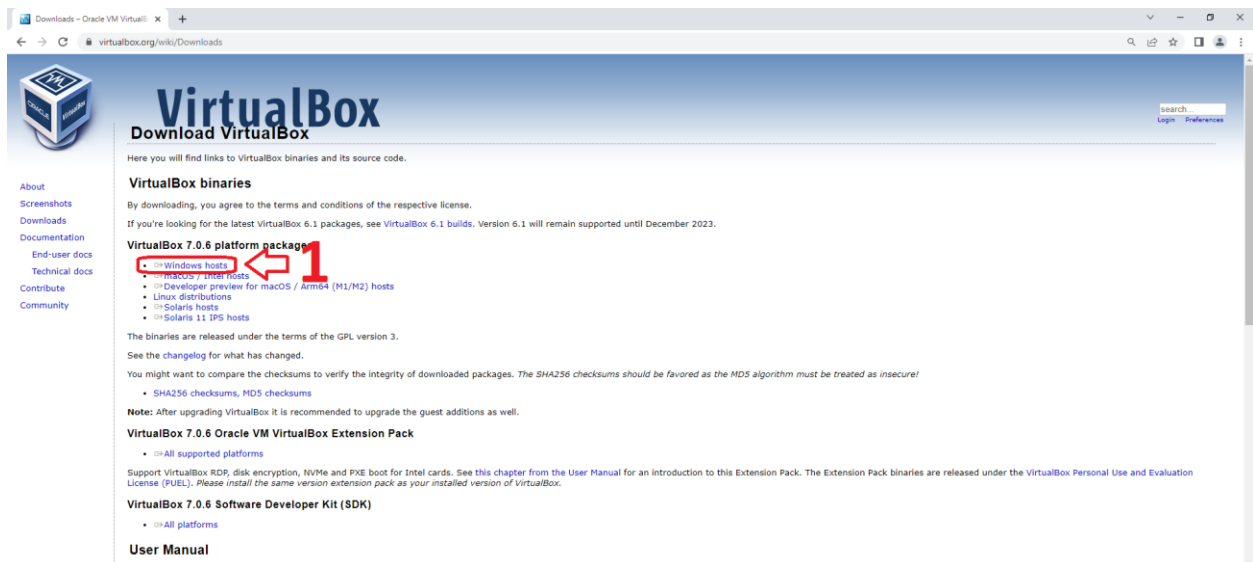
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1 IMPORTANT INFORMATION:

- To use Ubuntu 22.04 LTS in Windows we will use Oracle VM VirtualBox. Is a program to emulate a system to another system.
- Make sure that your laptop has the virtualization enabled (Check this only if you have problems to open the virtual machine):
 - [DELL](#)
 - [Lenovo](#)
 - [Acer](#)
 - [Asus](#)
 - [HP](#)
- You do not need to create the virtual machine. The virtual machine is already created and you only need to download it and import it.
- Credentials for the virtual machine:
 - **User:** vmuser
 - **Password:** vmuser.01

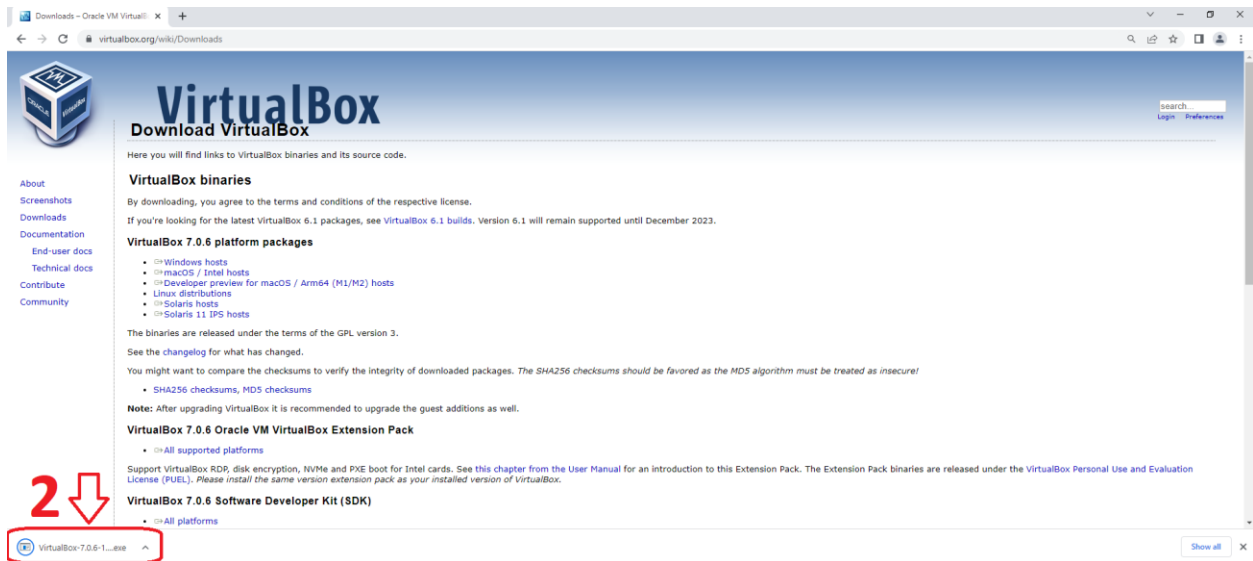
2 INSTALL VIRTUAL BOX

VirtualBox is the program that we will use to run Ubuntu 22.04 LTS. The first thing that we need to do is go in this [link](#) and click in “Windows hosts”.

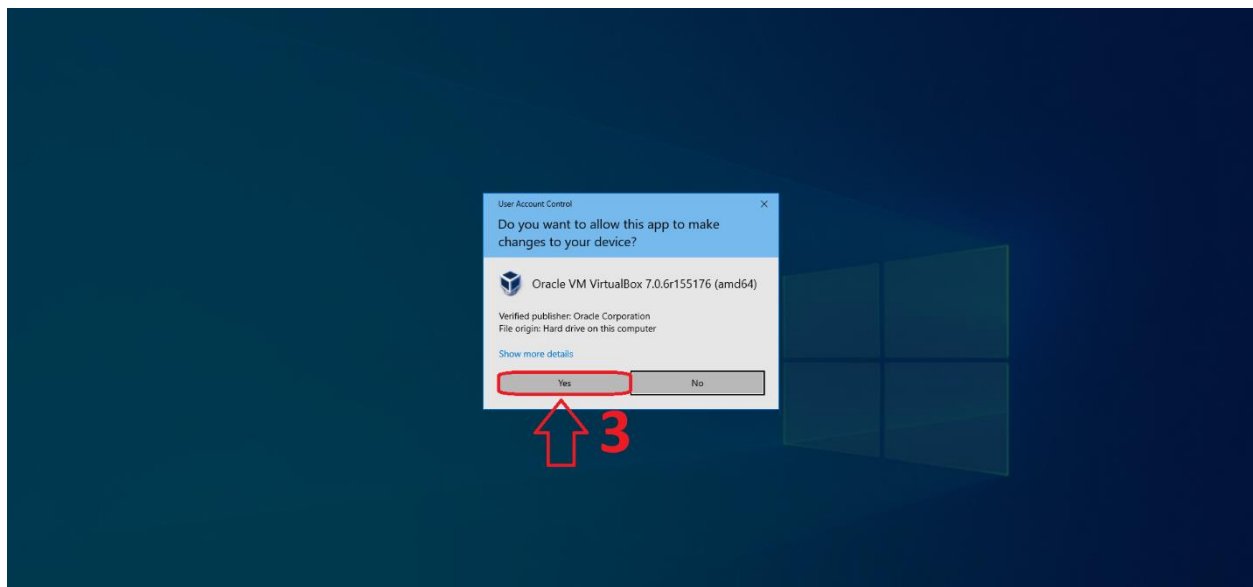


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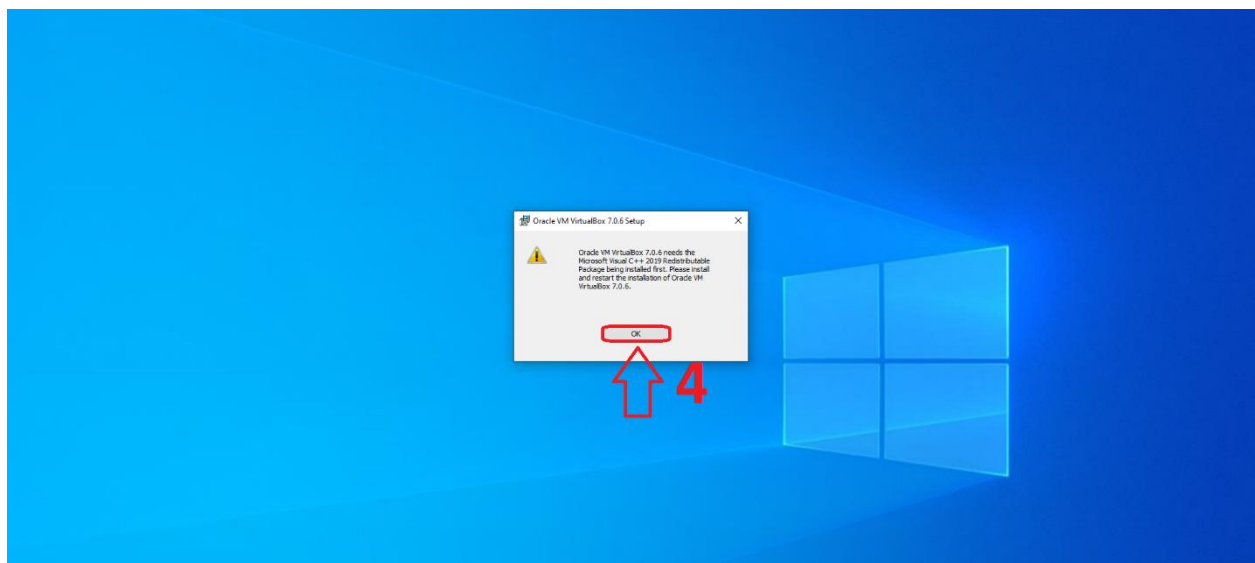
Click on the downloaded file.



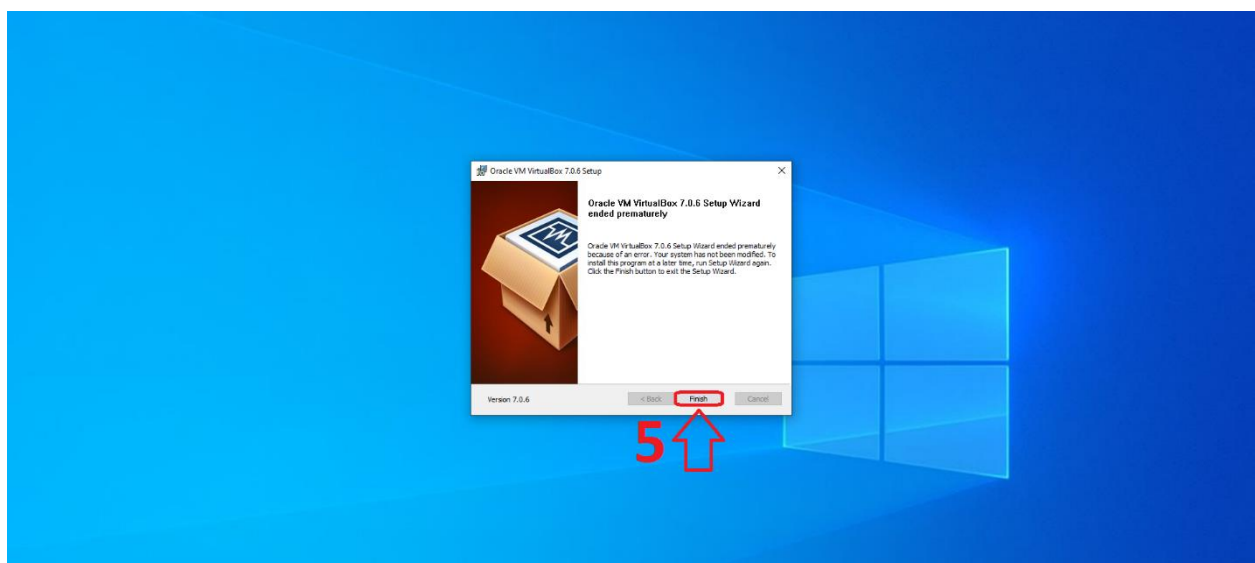
Click in "Yes".



If appear this error click in “Ok”. If not appear this error, go to the step 11.

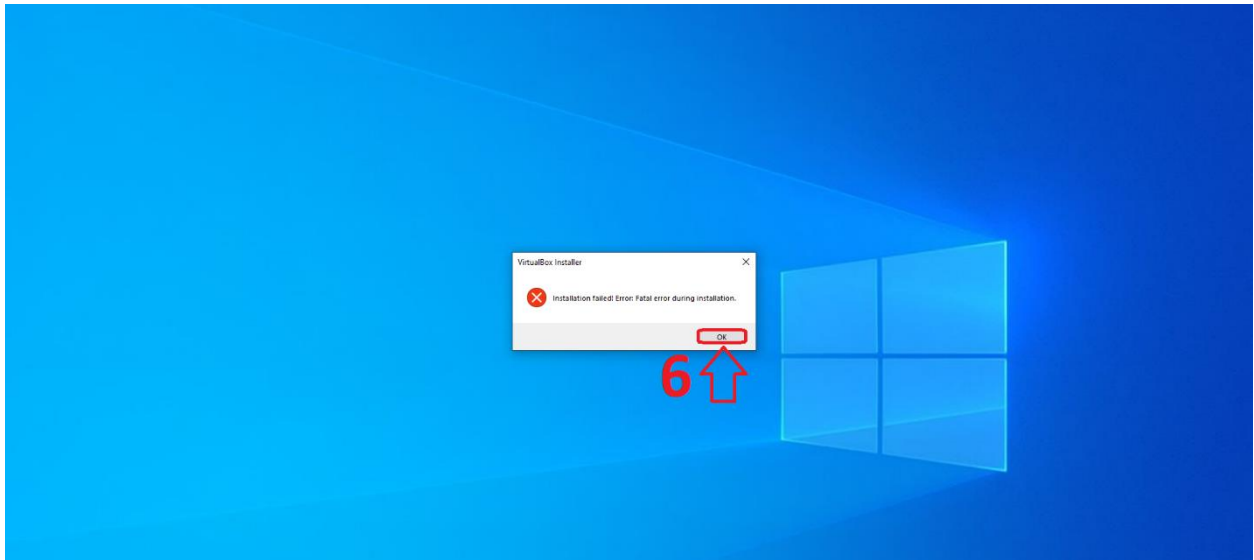


Click in “Finish”.

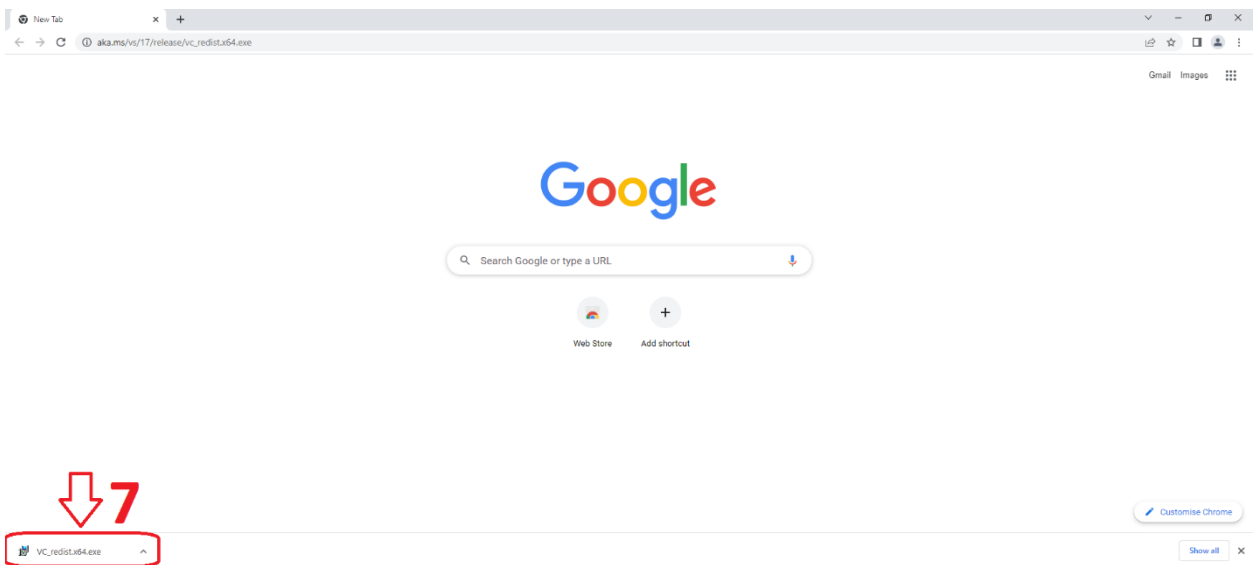


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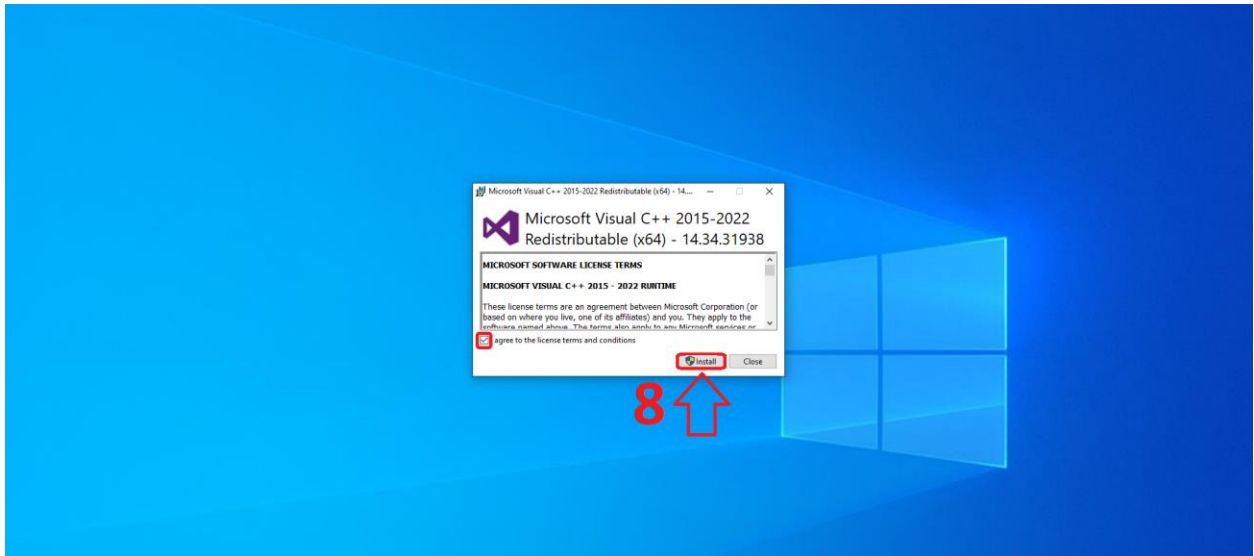
Click in “Ok”.



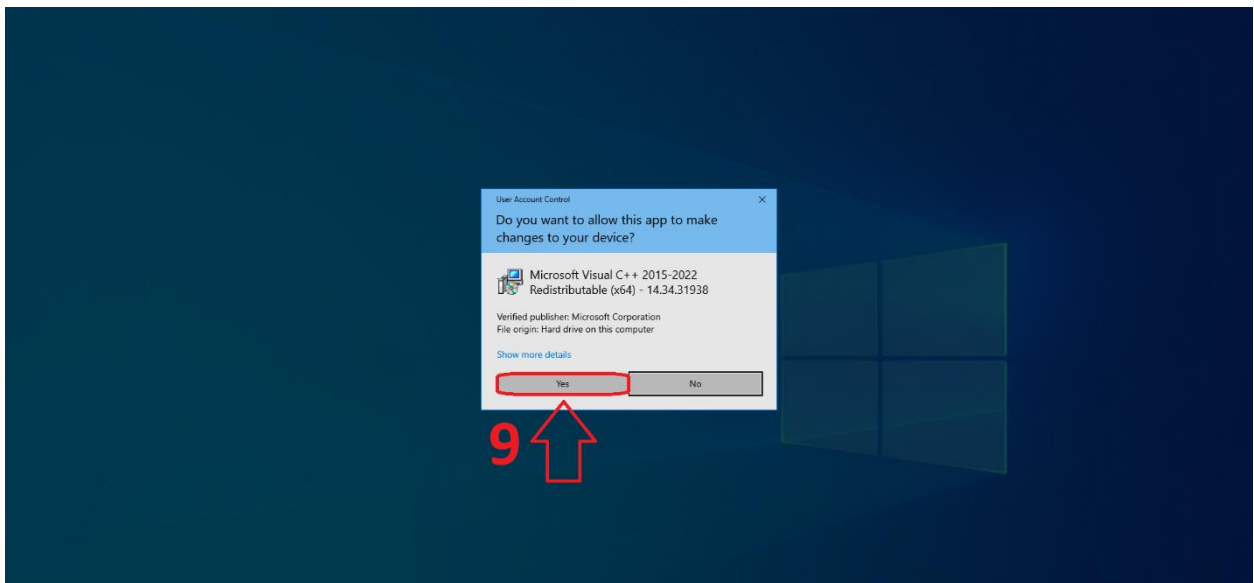
Go in this [link](#) and click on the downloaded file.



Check the box and click in “Install”.

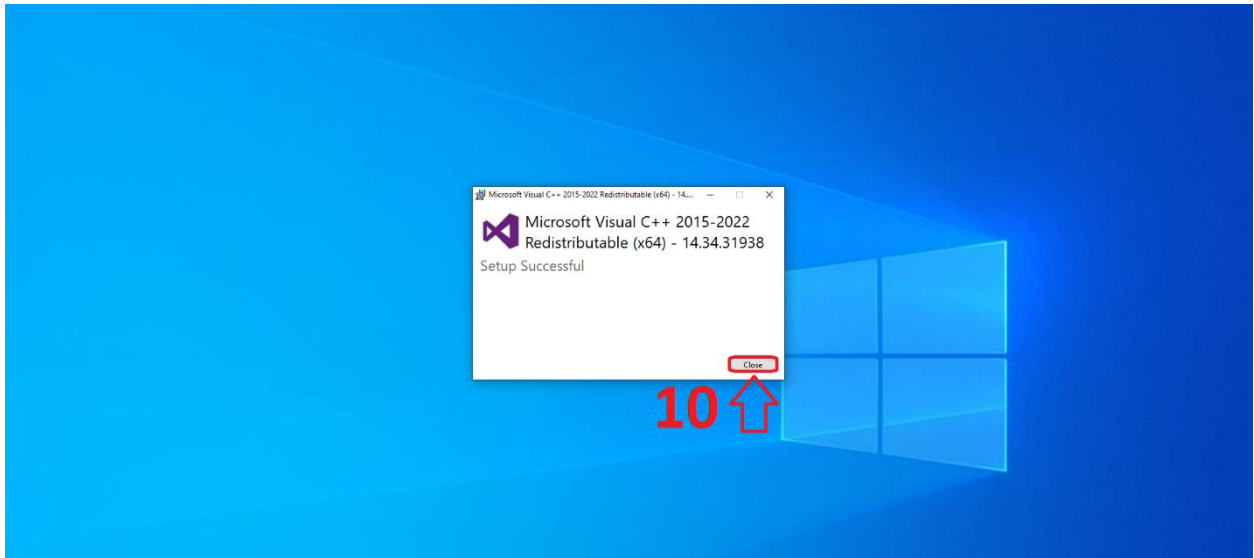


Click in “Yes”.

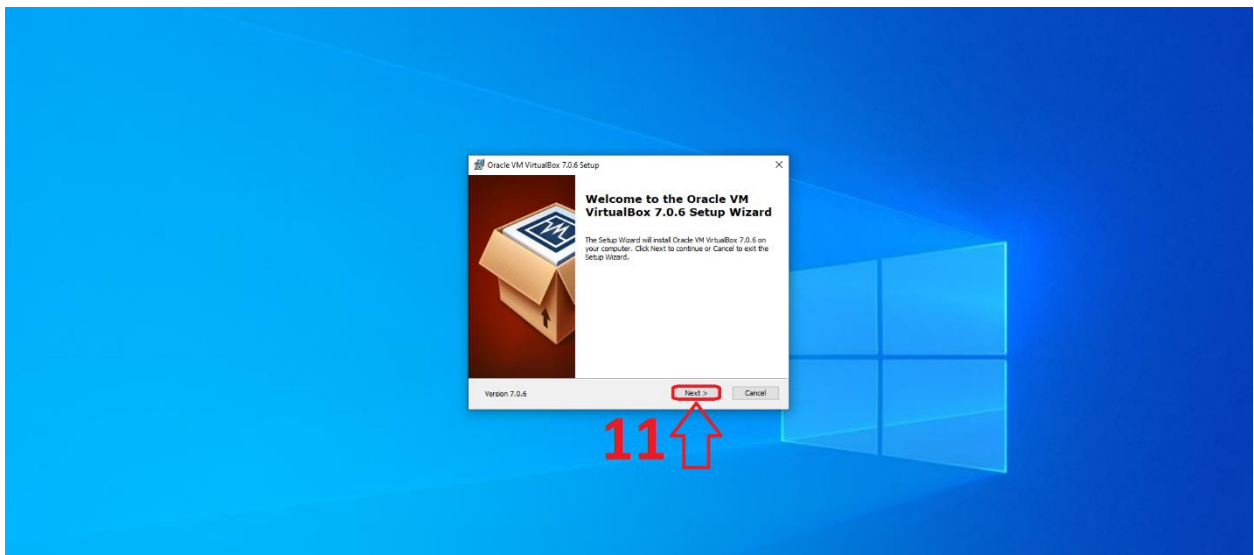


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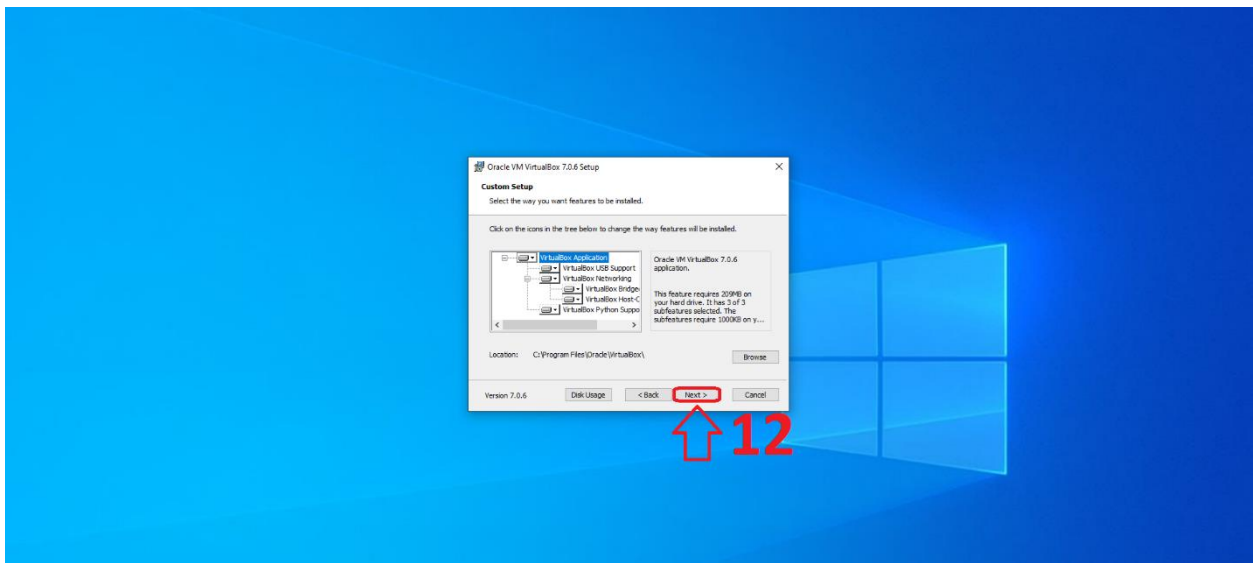
Click in “Close”.



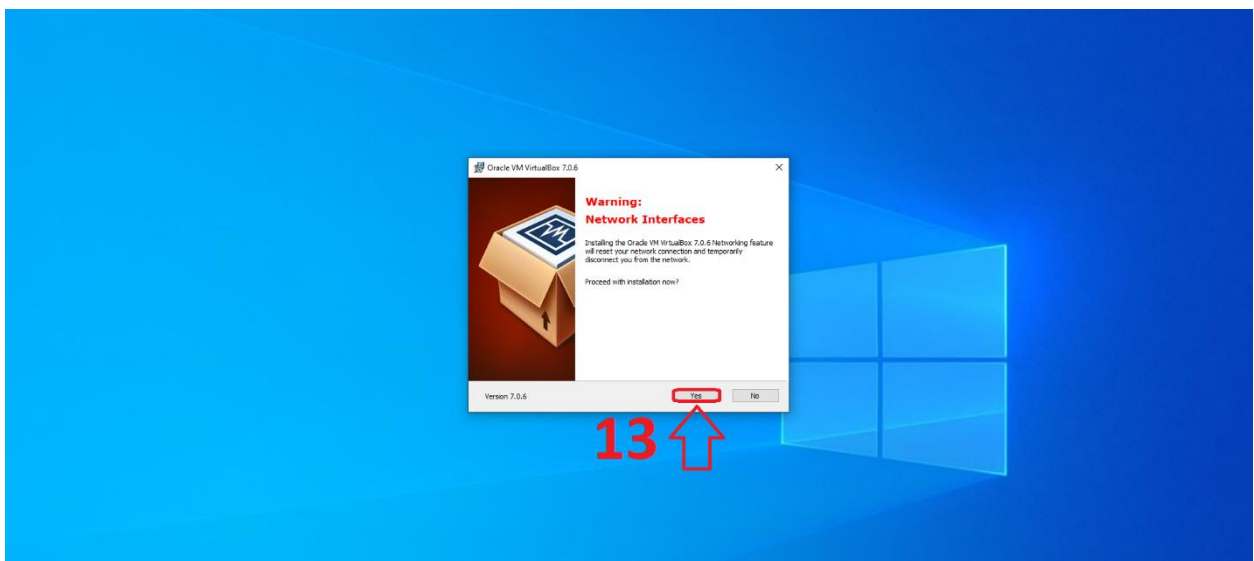
Now, open again the VirtualBox installer and click in “Next”.



Click in “Next”.

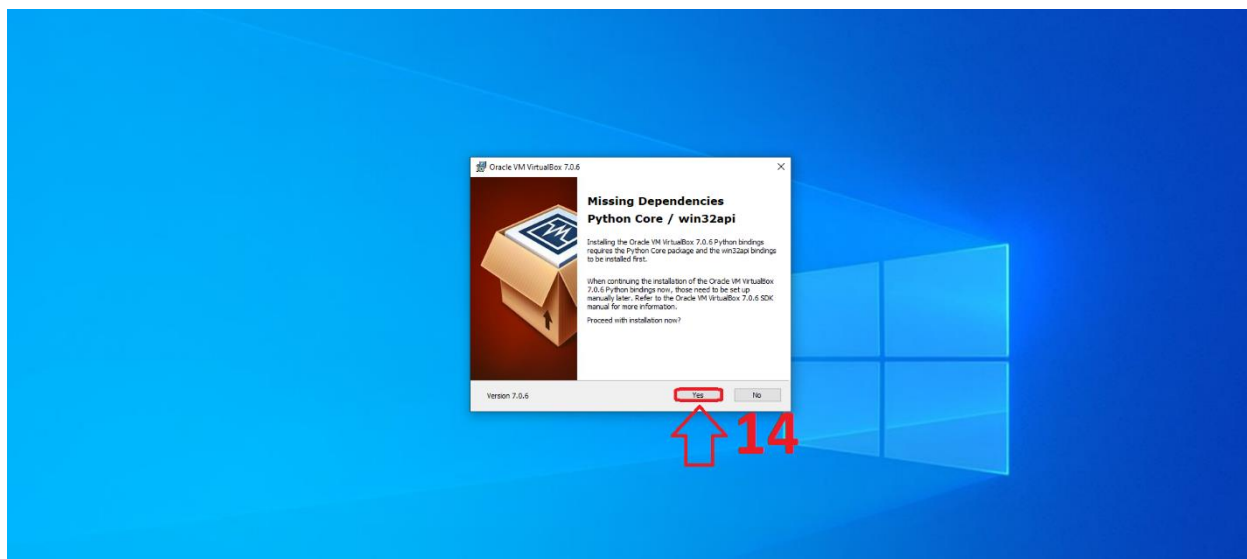


Click in “Yes”.

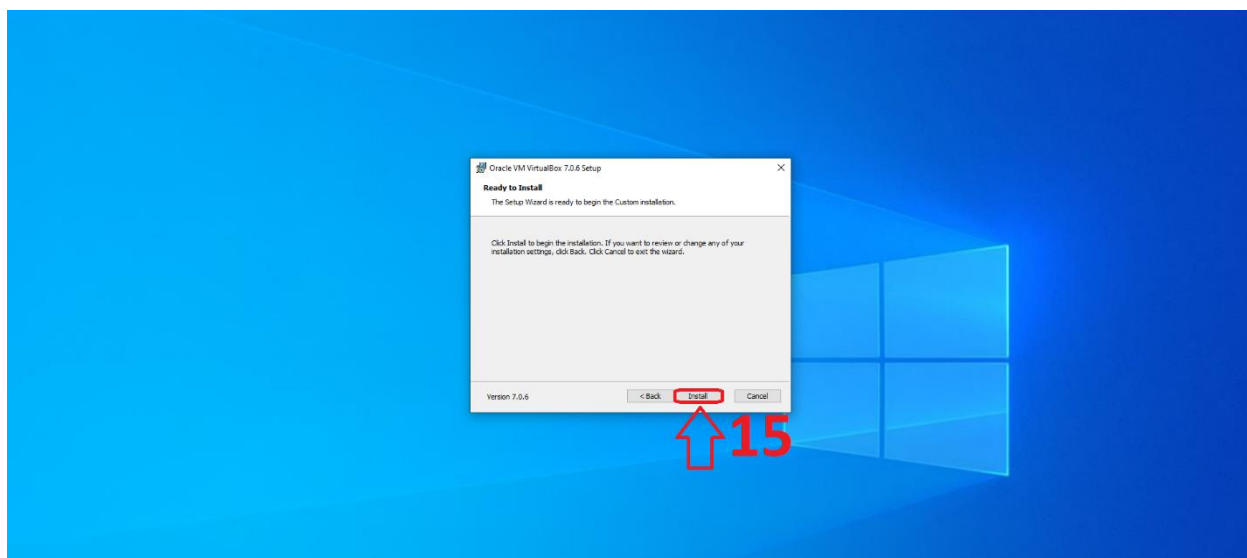


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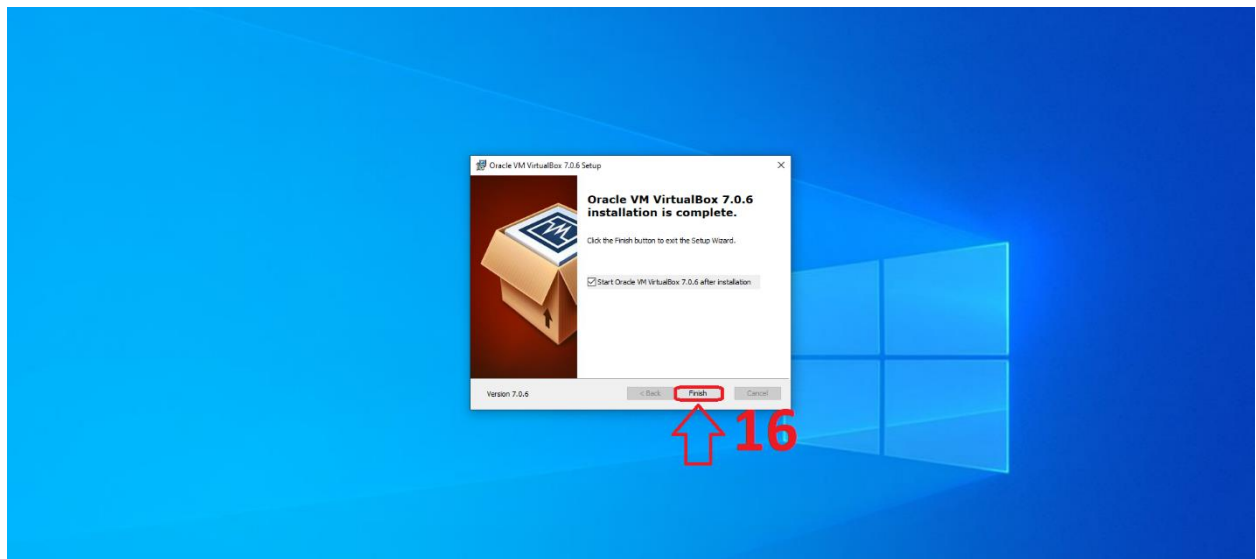
Click in “Yes”.



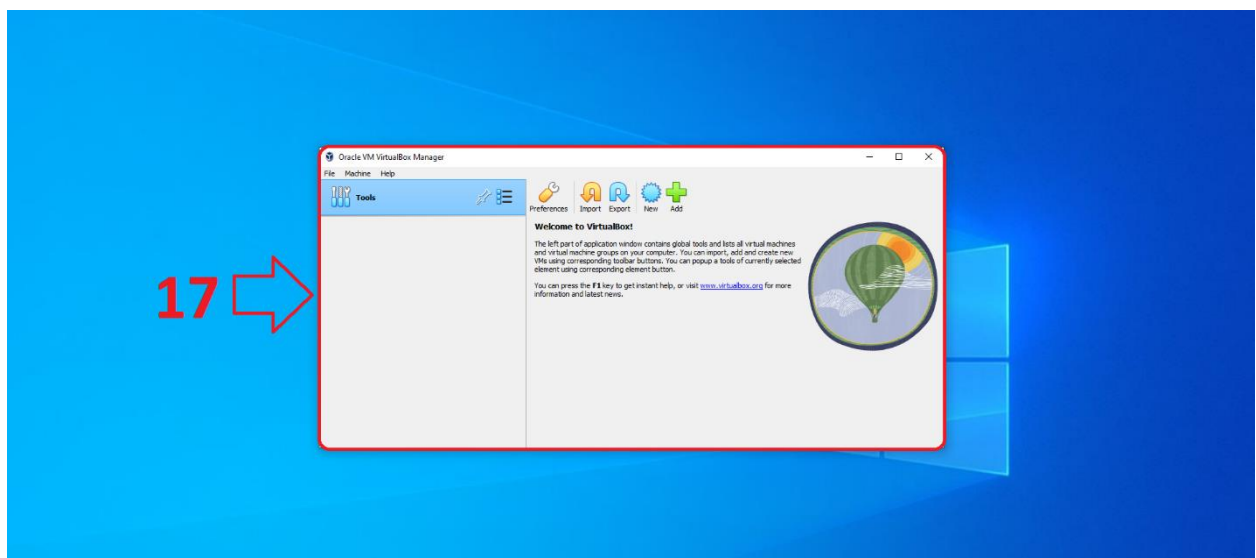
Click in “Install”.



Click in “Finish”.



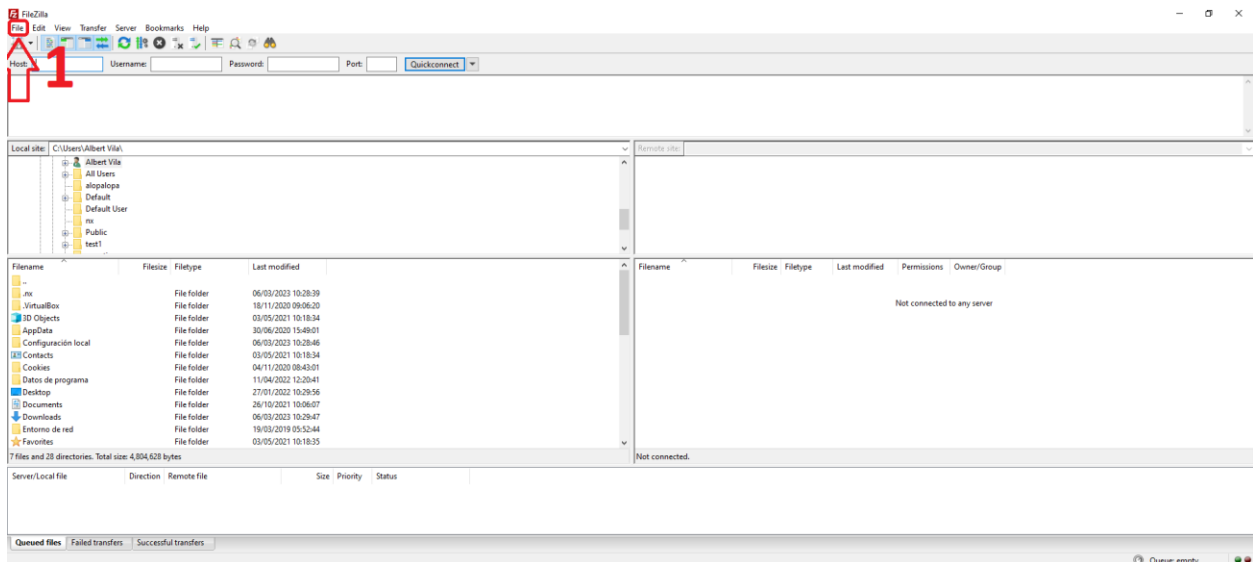
Now, we have VirtualBox installed.



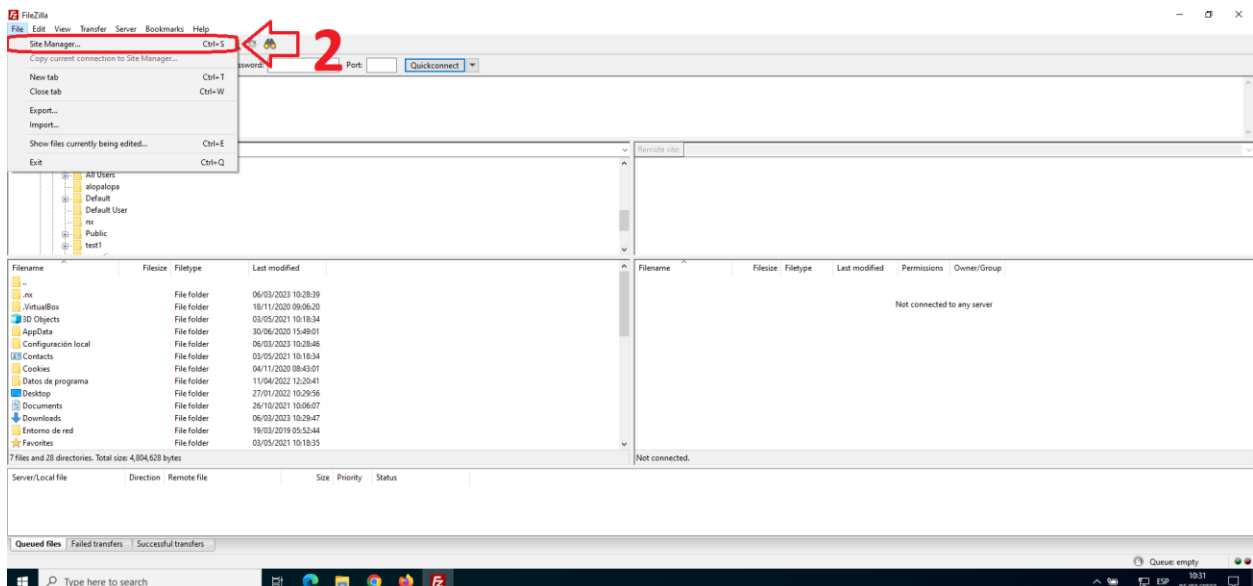
3 DOWNLOAD THE VIRTUAL MACHINE

To access in the FTP service to download the virtual machine, install the “[Filezilla](#)” client in your device and follow the next instructions.

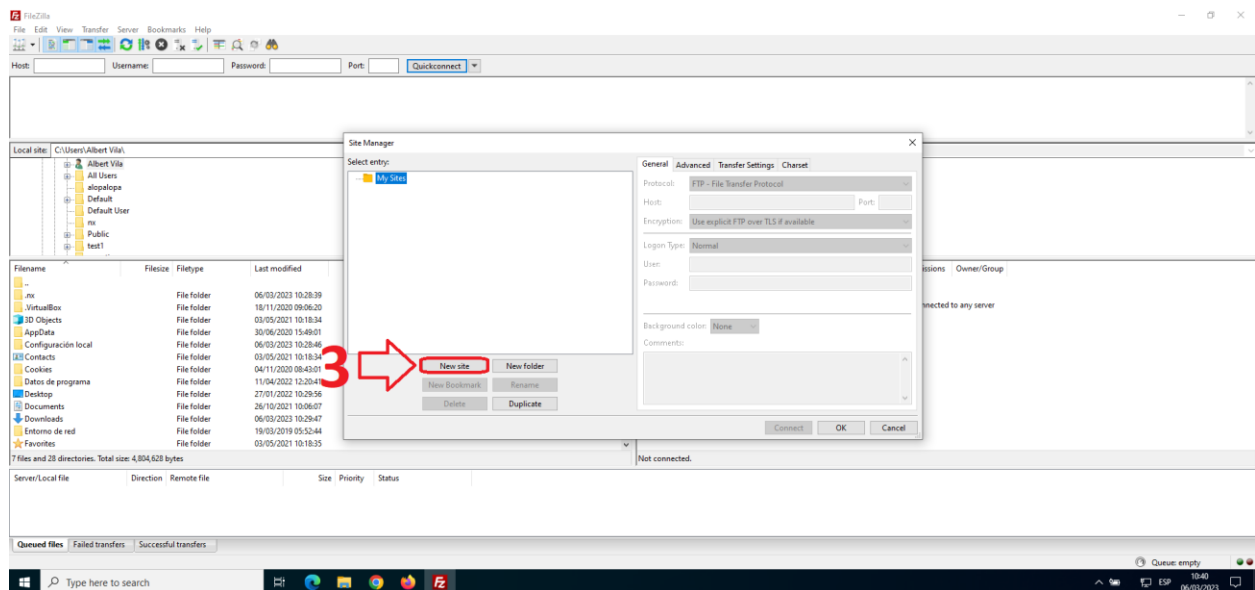
Open “Filezilla” and click in “File”.



Click in “Site Manager...”.

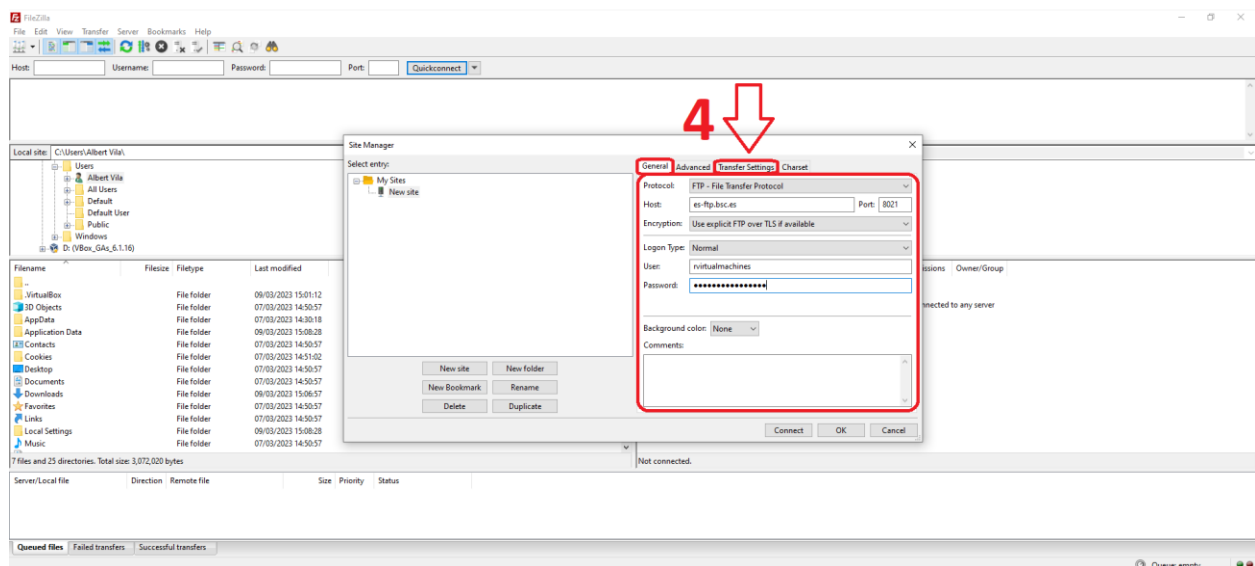


Click in “New site”.



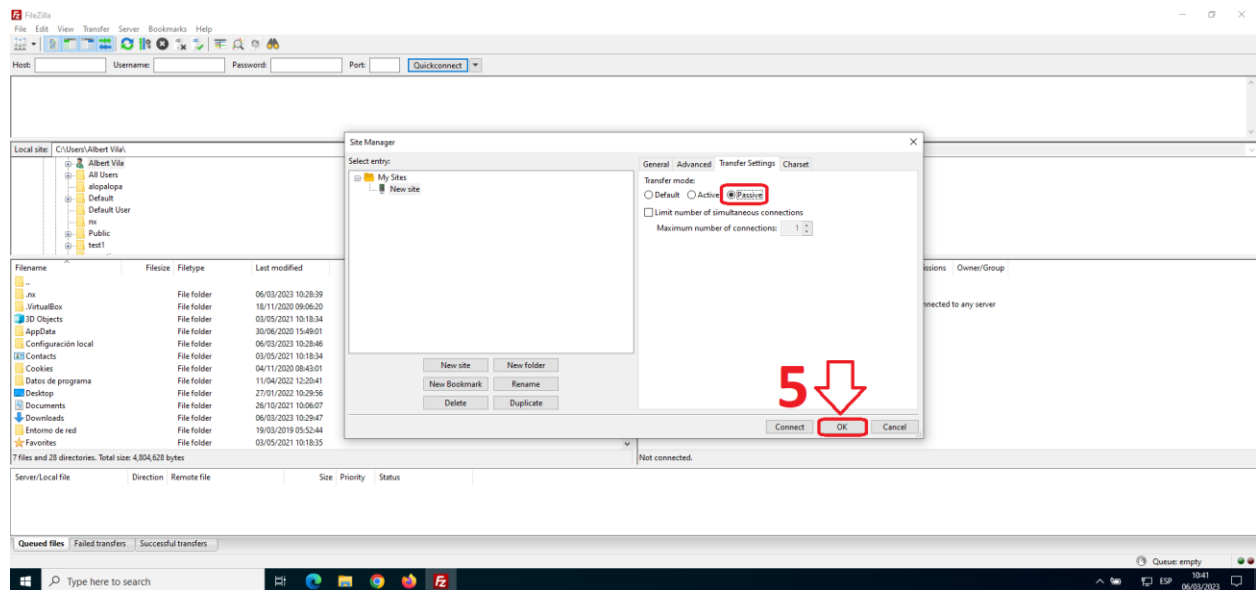
Here, in “General”, introduce the following configuration and click in “Transfer Settings”:

- **Host:** es-ftp.bsc.es
- **Port:** 8021
- **Username:** rvirtualmachines
- **Password:** FSXHkw18BjO3SQ6+

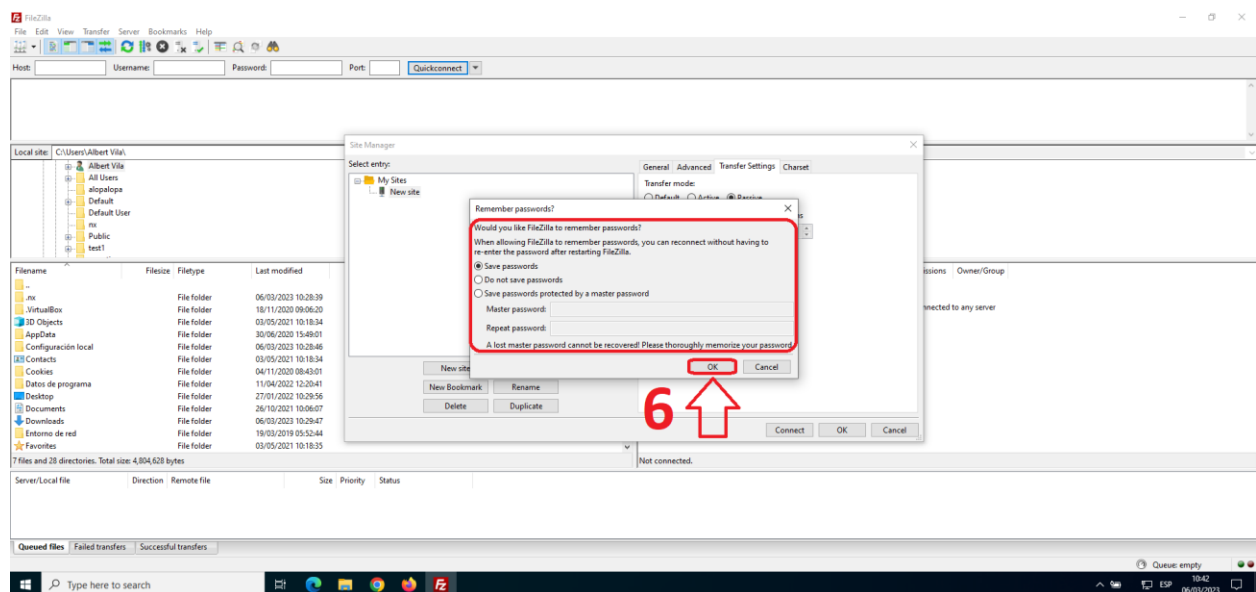


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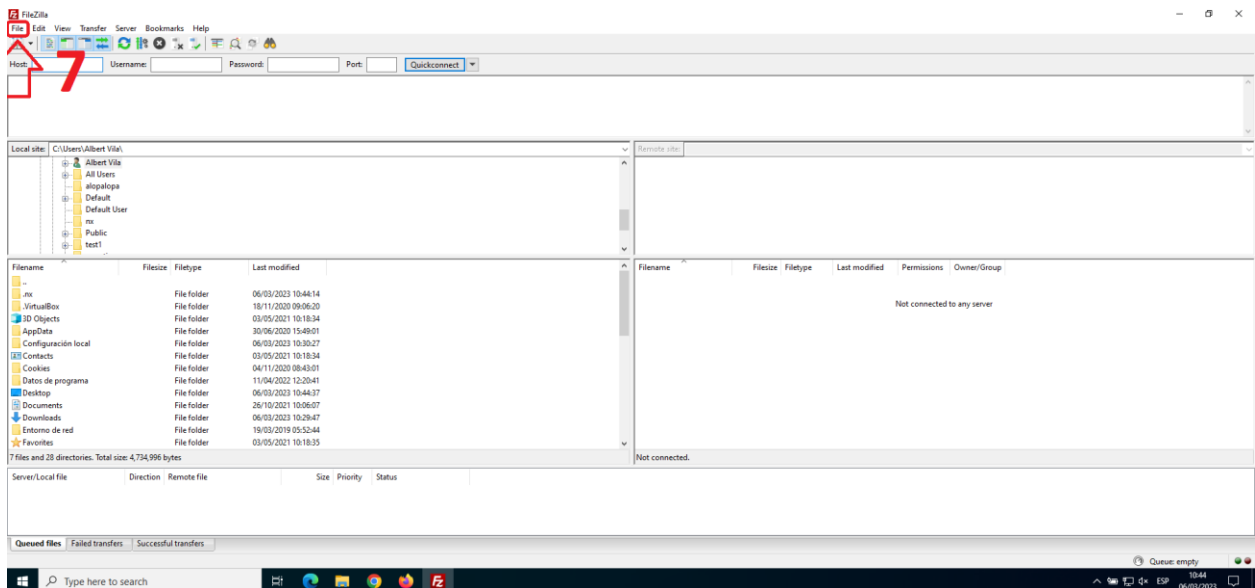
Select “Passive” and click “Ok”.



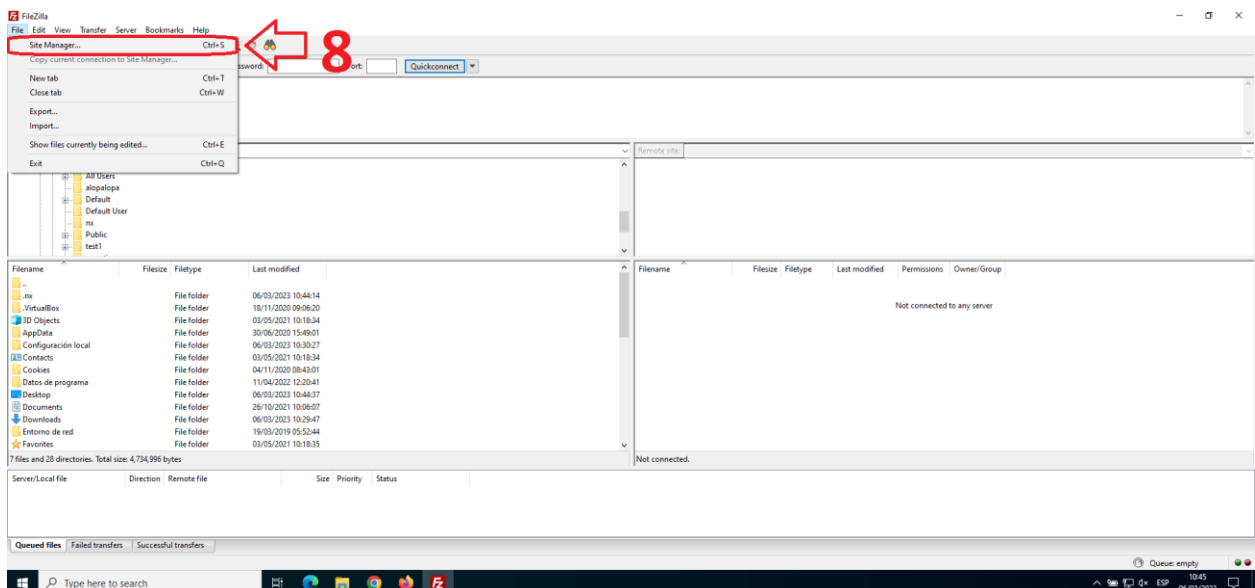
Here, you can chose the option that you want and click in “Ok”.



Click in “File”.

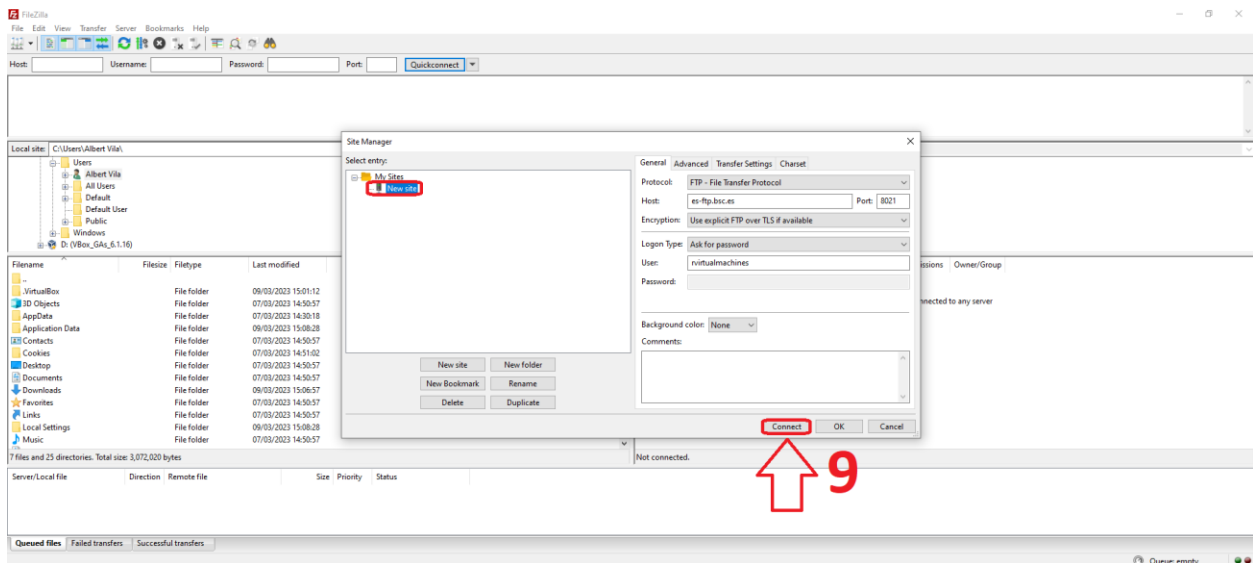


Click in “Site Manager...”.

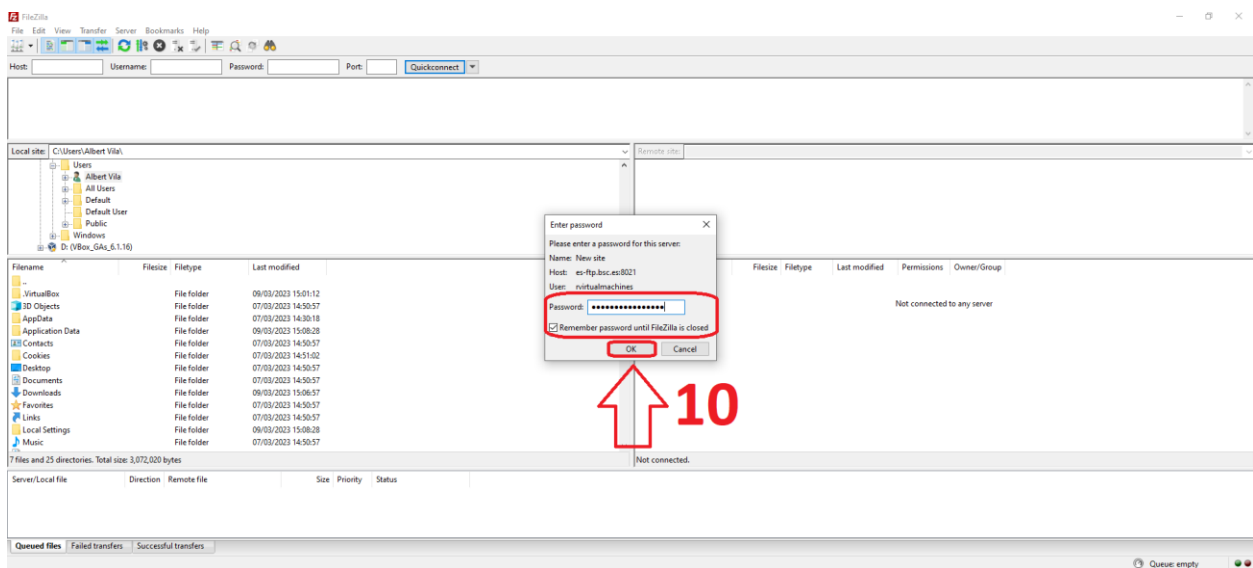


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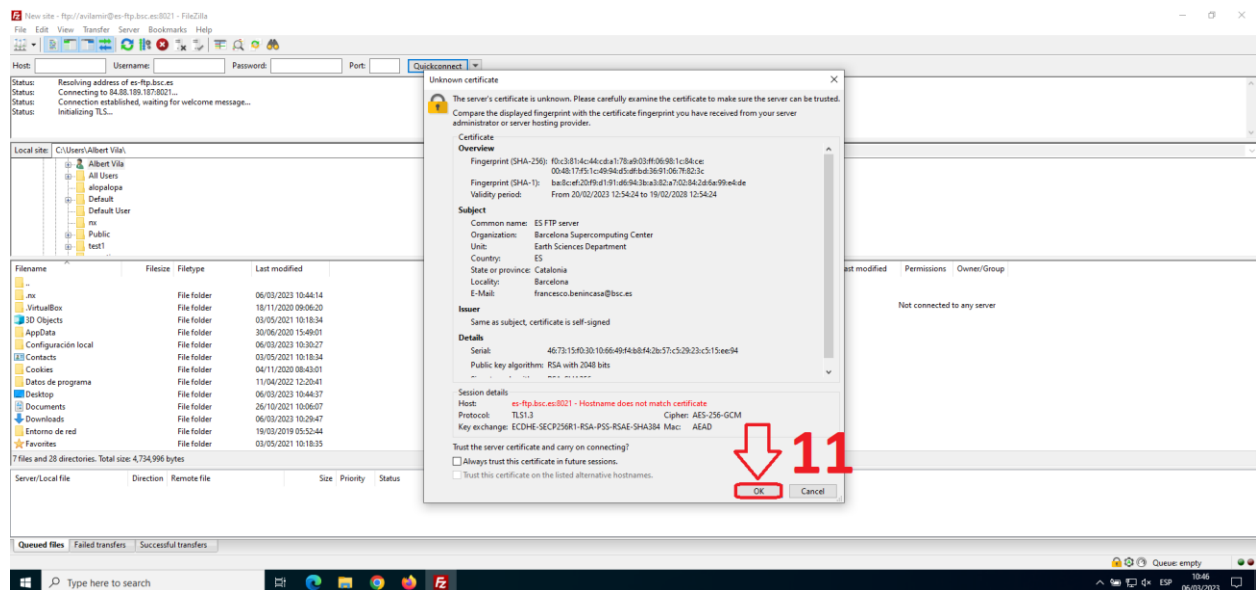
Click on your created site and click in “Connect”.



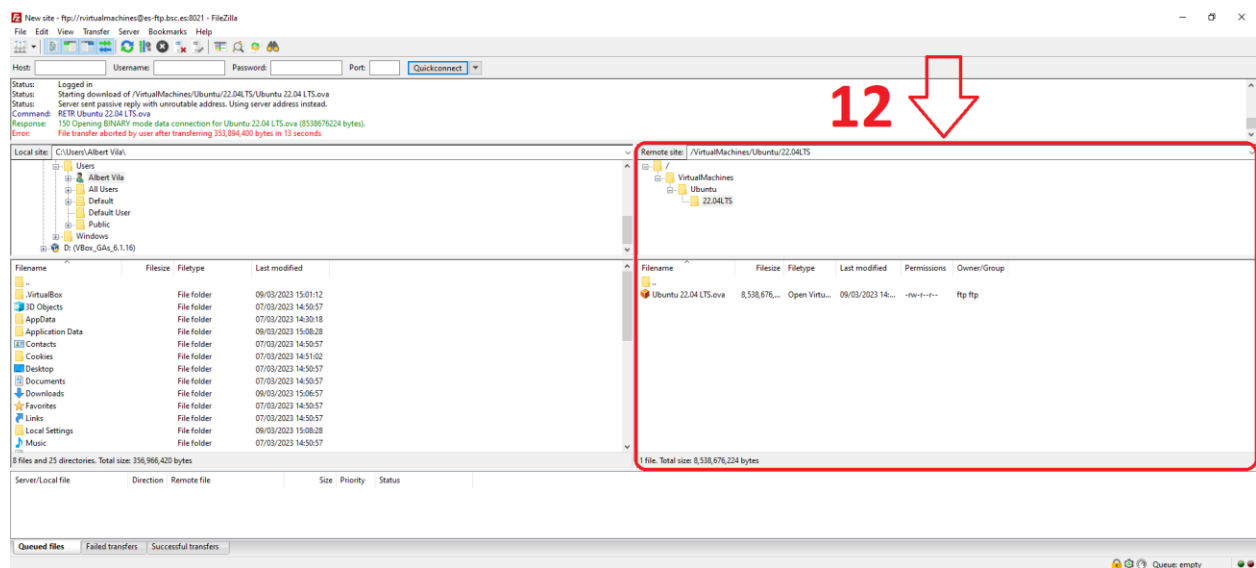
Introduce your password and click in “Ok”.



Click in “Ok”.

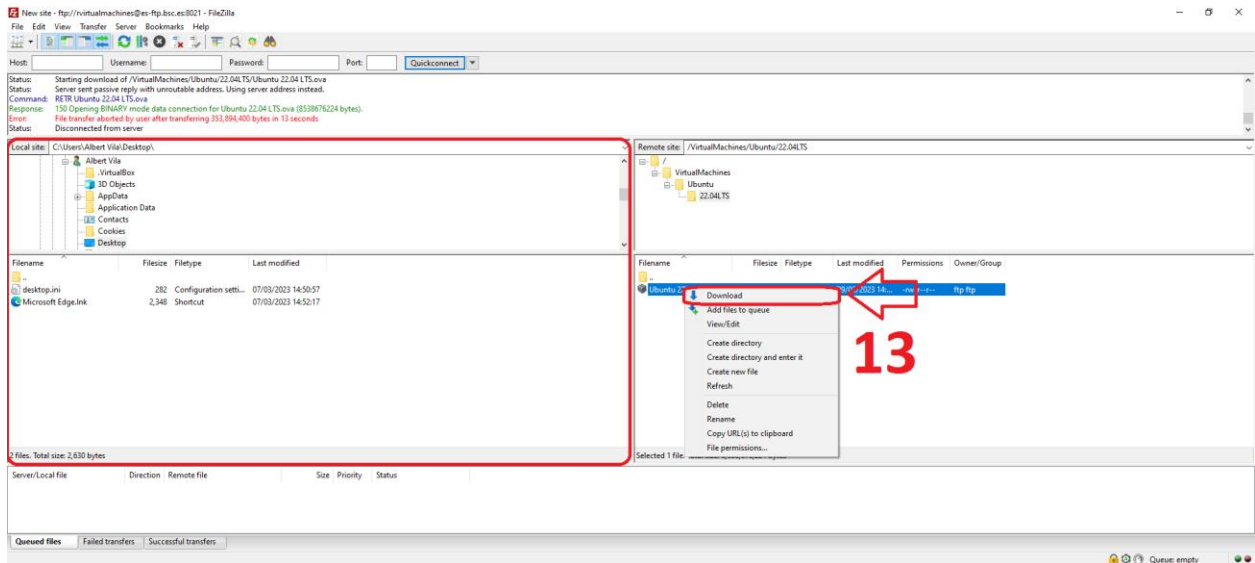


Go to the path /VirtualMachines/Ubuntu/22.04LTS and you will see the virtual machine file.

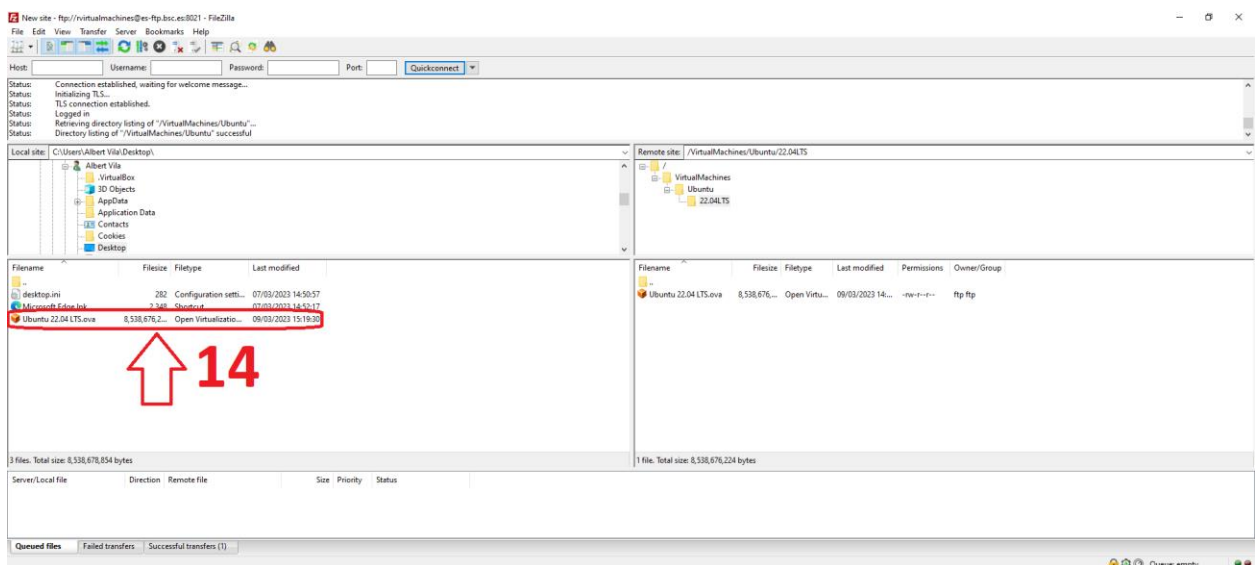


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On the left put the location that you want to save the virtual machine file, make right click on the file and click on “Download”. You need to wait until the download finish.

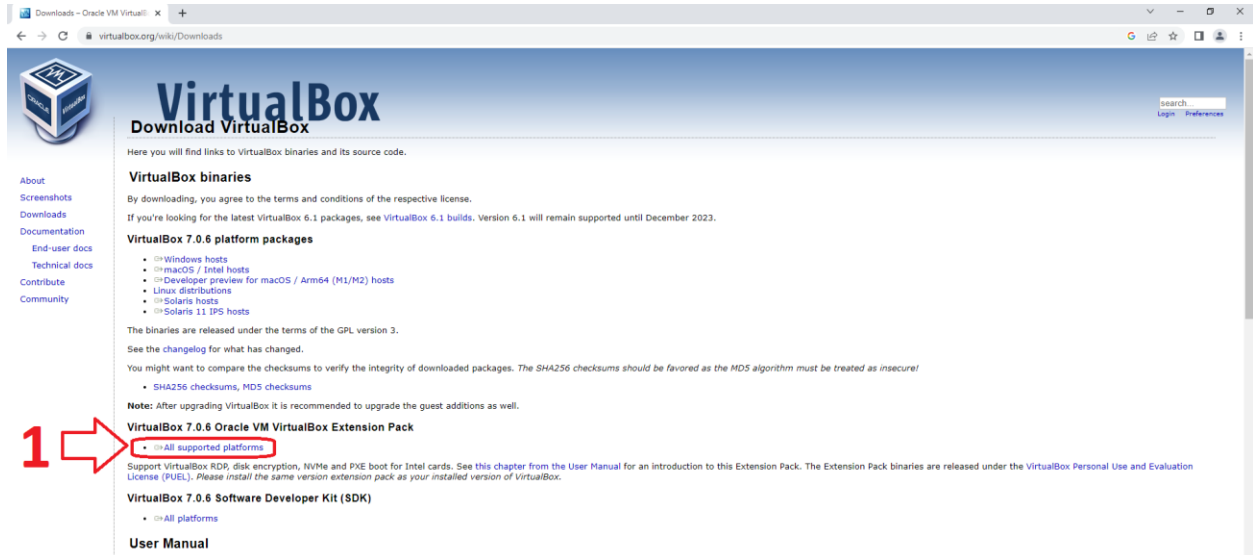


Now we have the file downloaded.

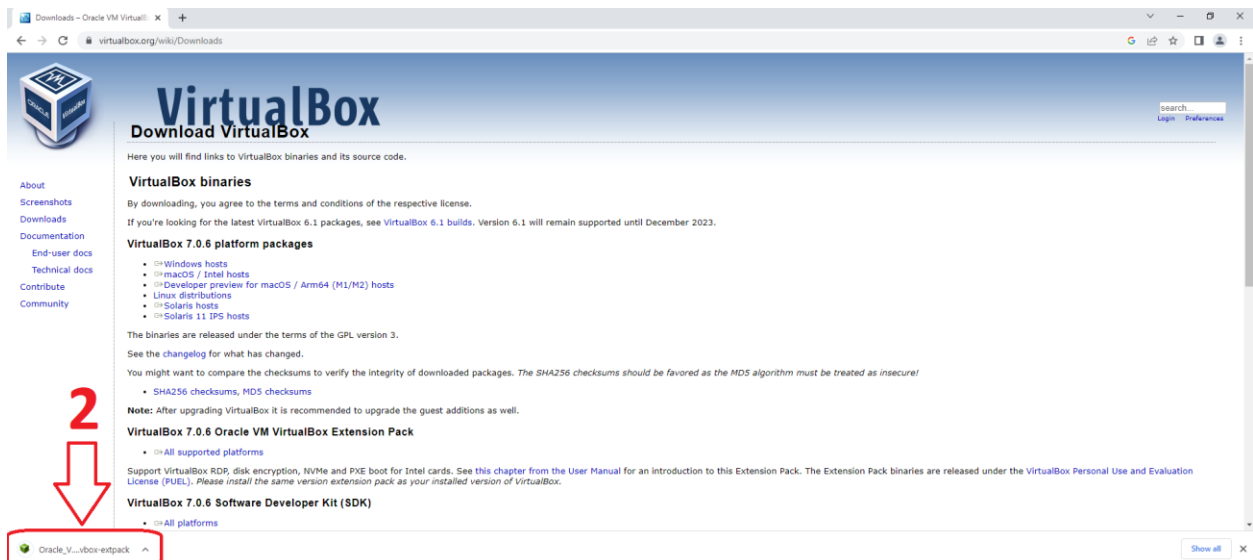


4 INSTALL VIRTUALBOX EXTENSION PACK

Now, we need to install the VirtualBox extension pack. To do this, go in this [link](#) and click on “All supported platforms”.

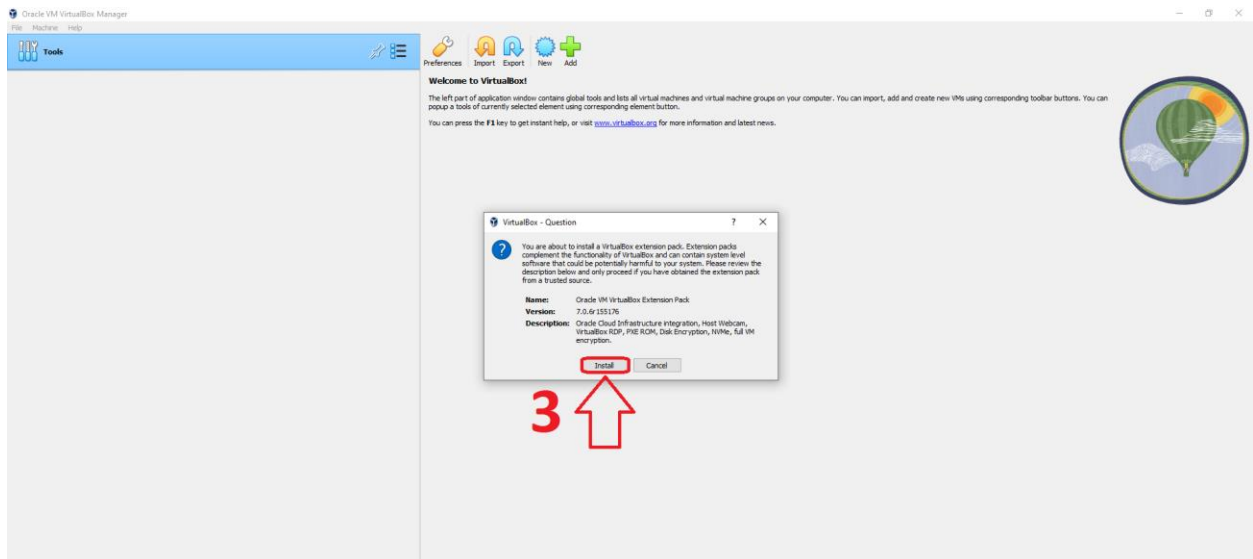


Click on the downloaded file.

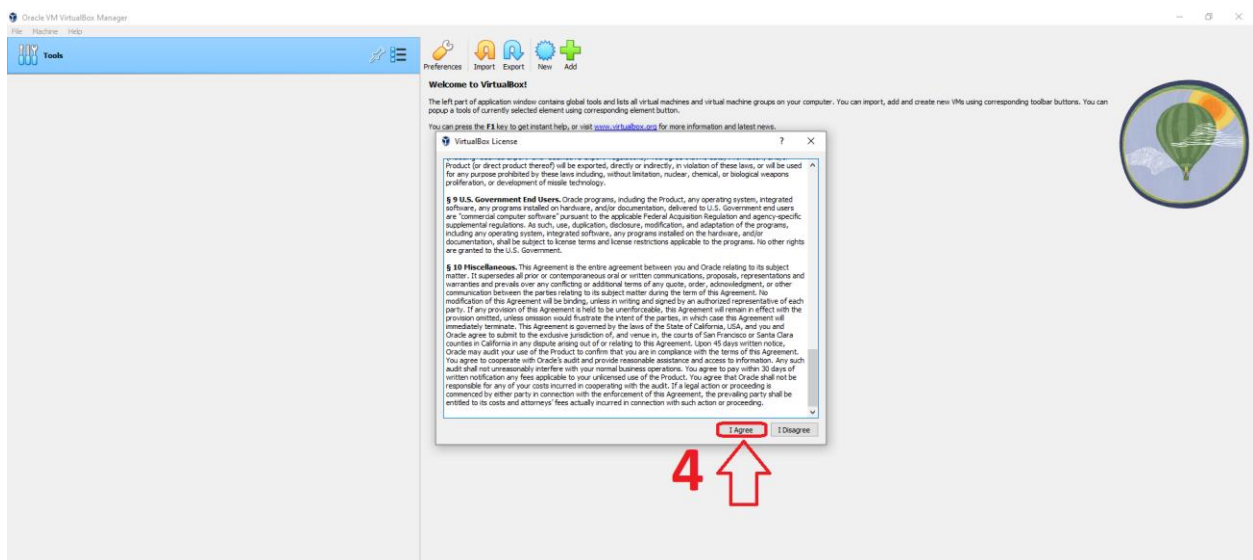


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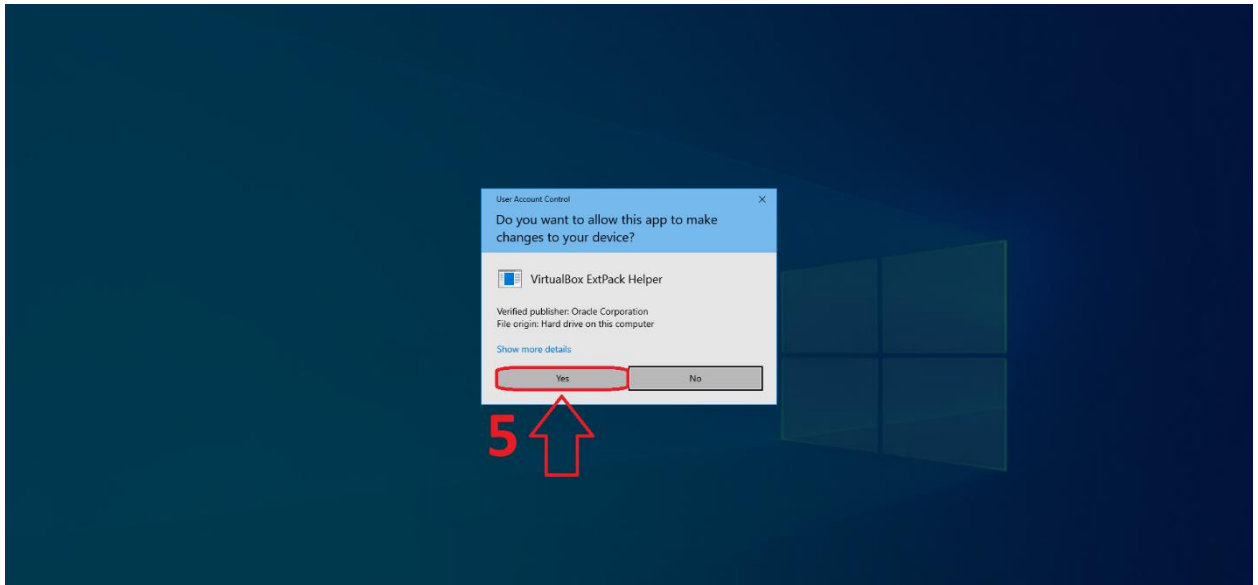
Click in “Install”.



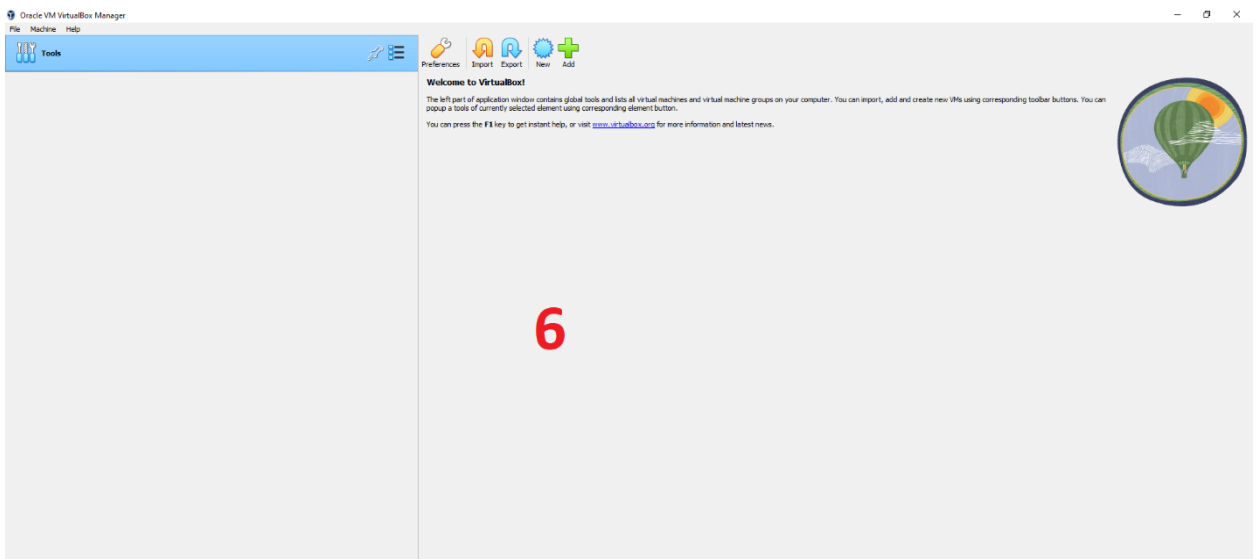
Click in “I agree”.



Click in “Yes”.

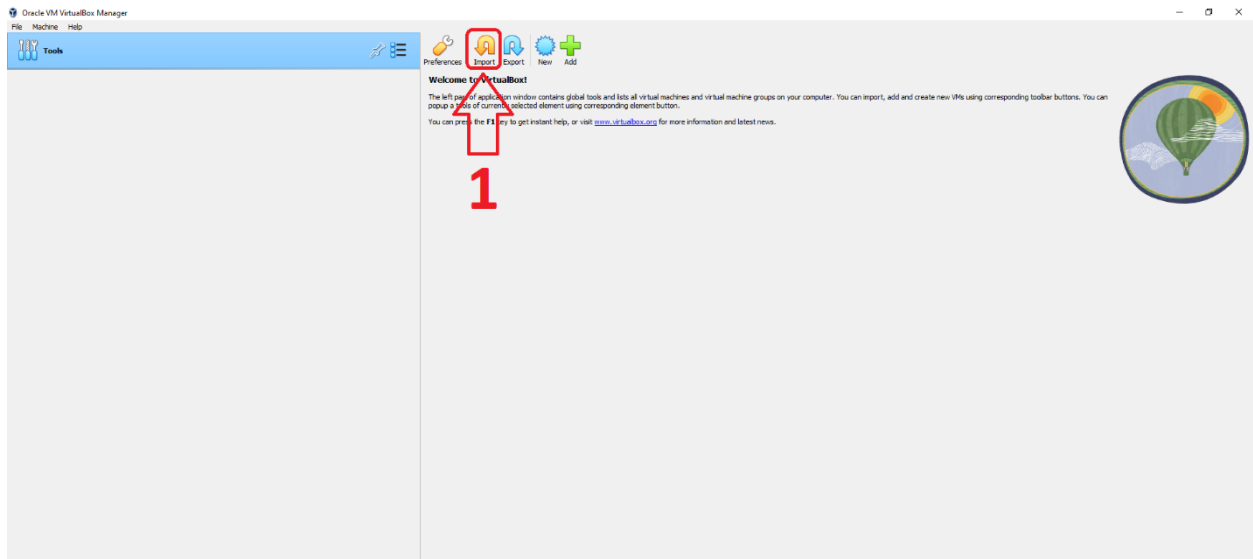


Now, we have the package installed.

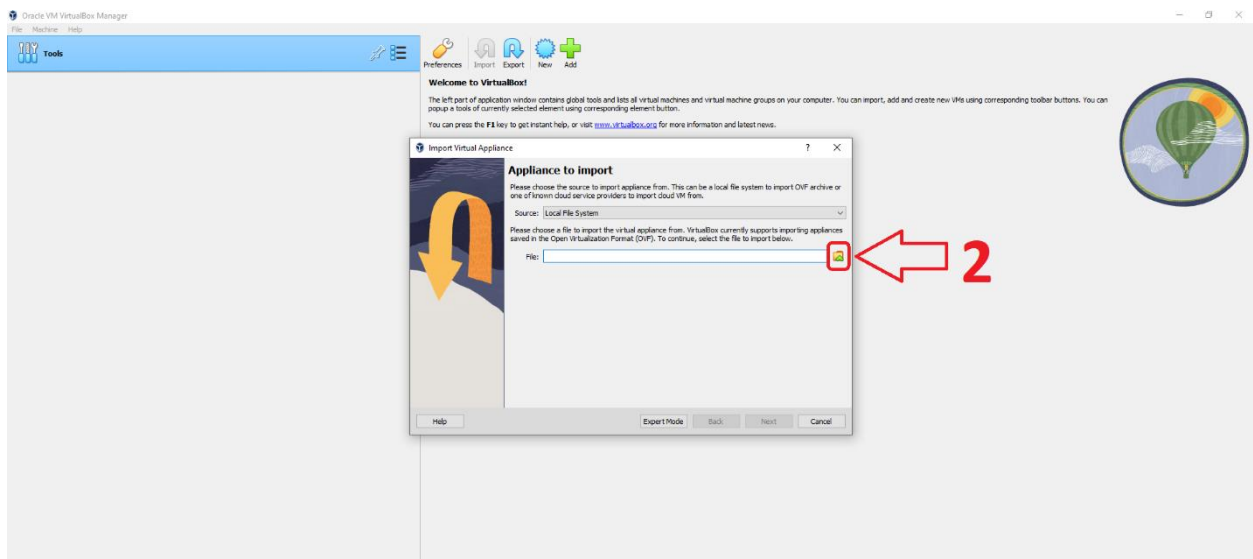


5 IMPORT THE VIRTUAL MACHINE

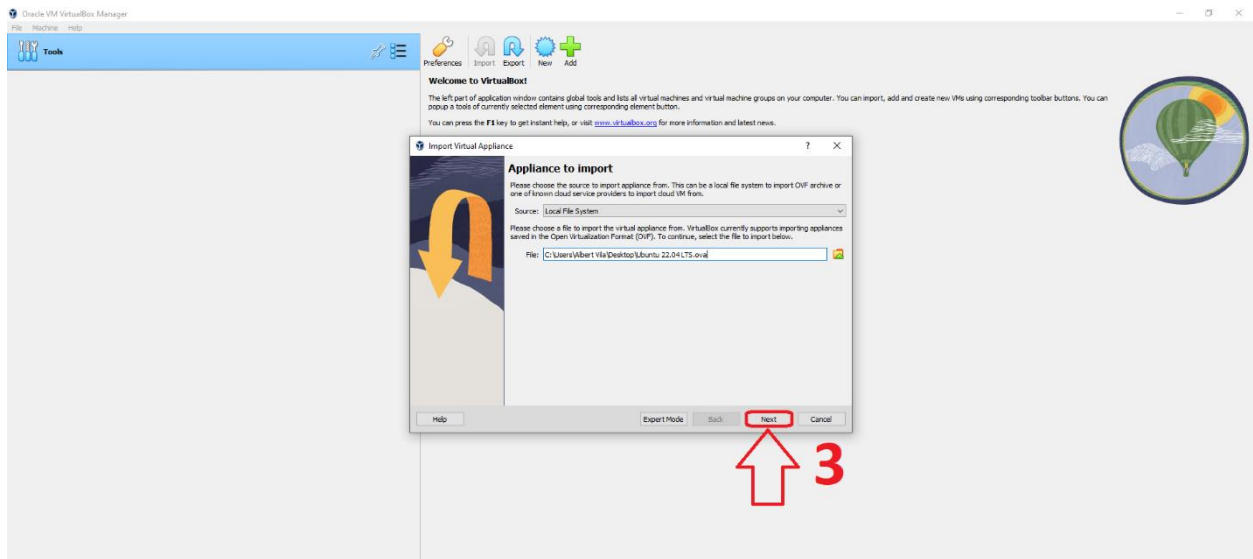
To import the virtual machine, open VirtualBox and click in “Import”.



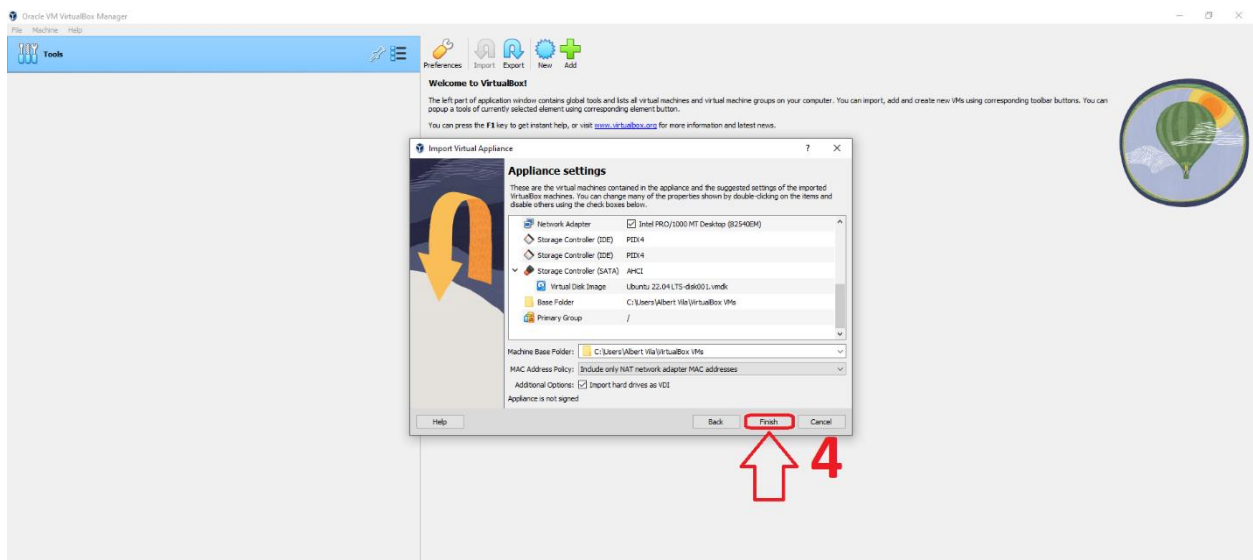
Click in the folder to search the downloaded file form filezilla.



Click in “Next”.

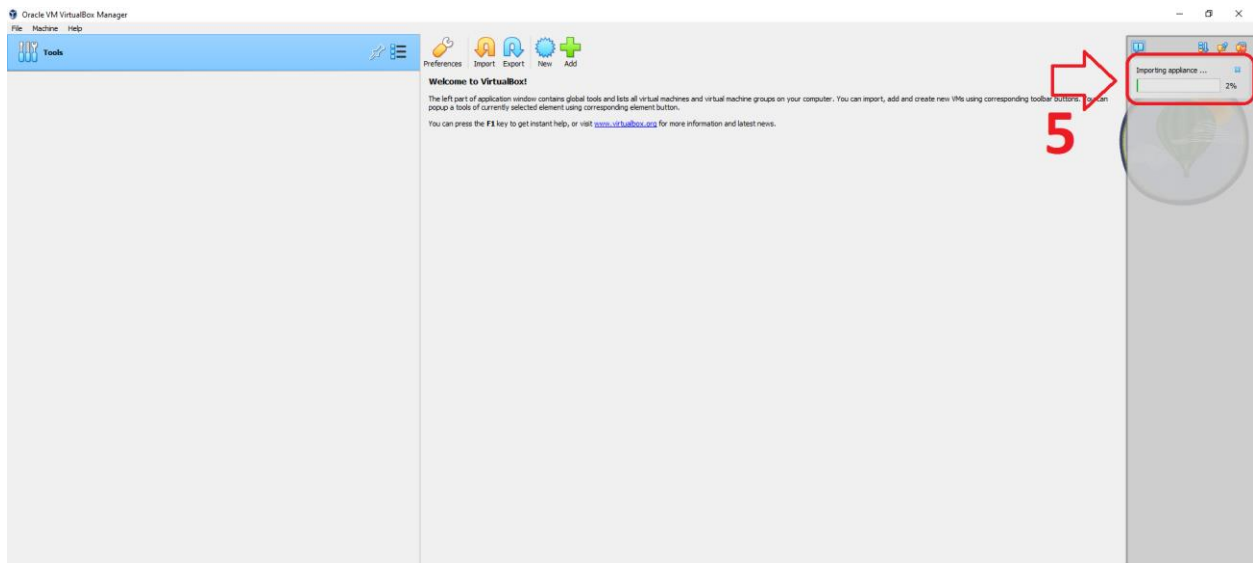


Click in “Finish”.

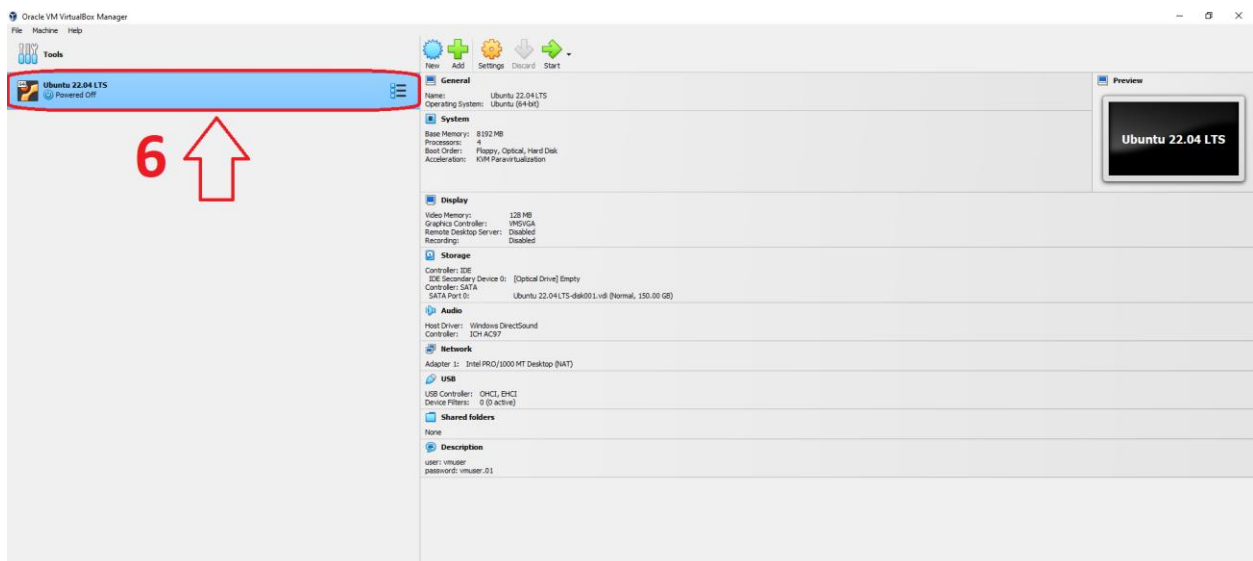


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Now, wait until VirtualBox import the virtual machine.

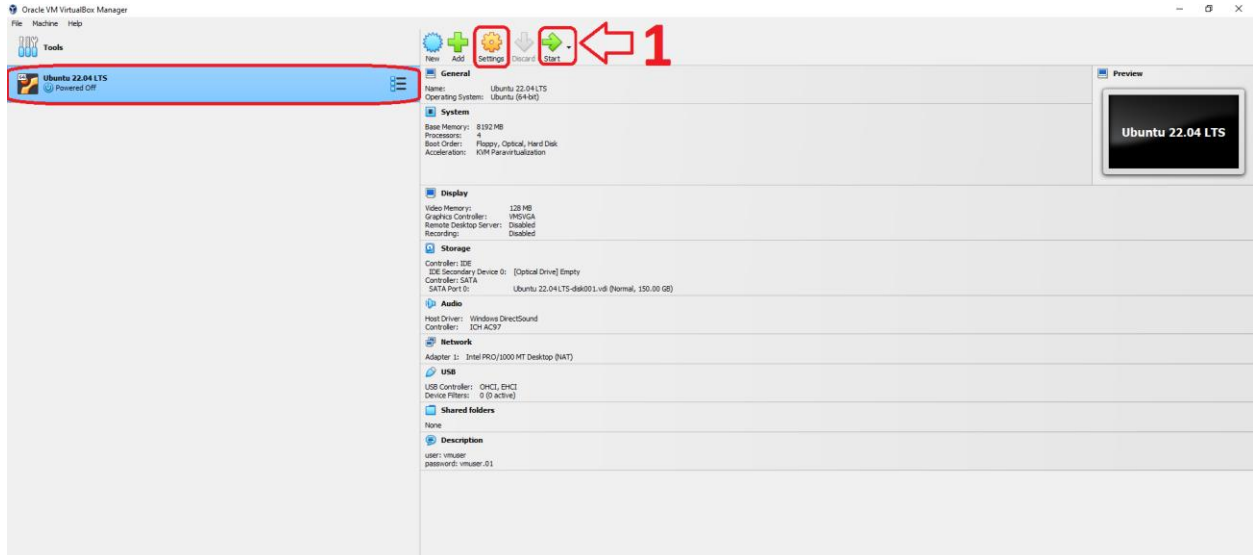


Now, you have the virtual machine imported. If you want, you can delete the file downloaded from the FTP.

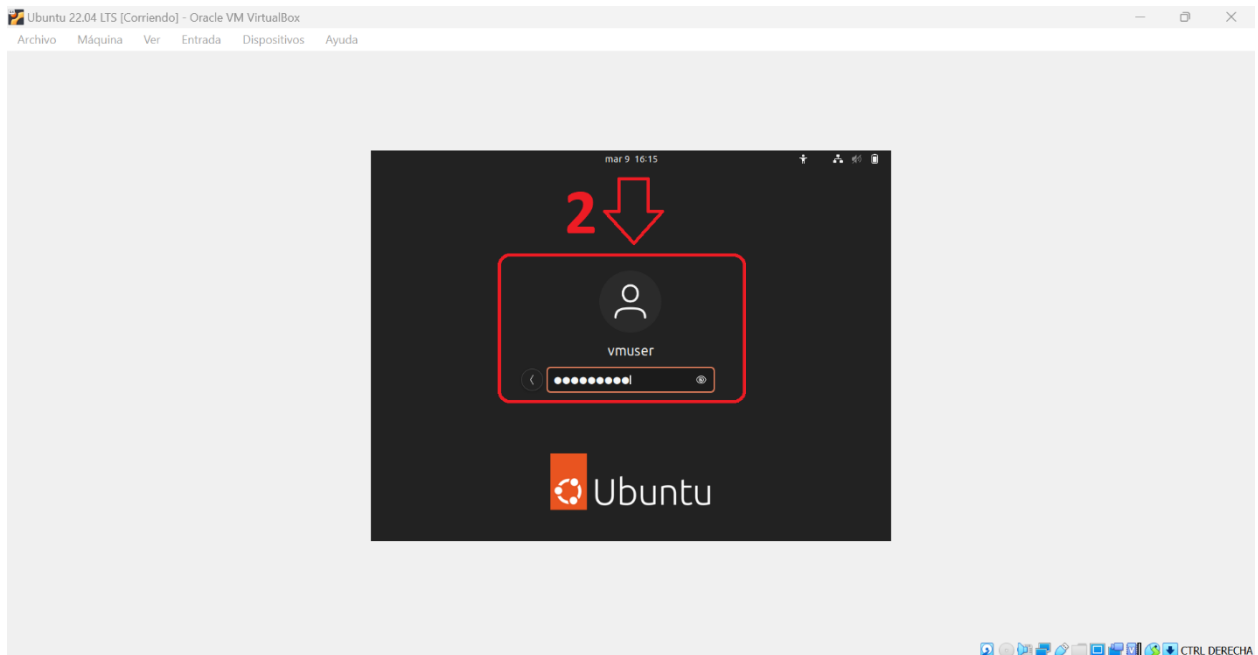


6 OPEN AND CONFIGURE THE VIRTUAL MACHINE

To open the virtual machine, open VirtualBox, click the virtual machine and click in “Start”. If you need it, you can click in “Settings” and adapt the virtual machine requirements for your laptop.

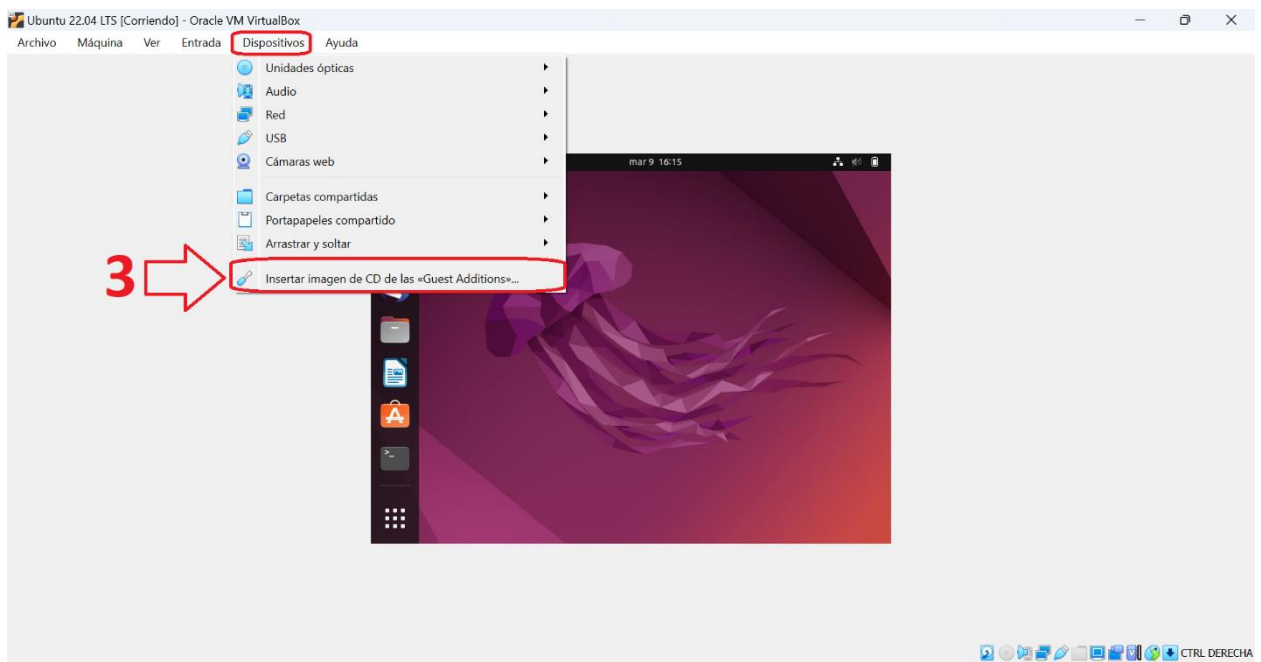


Now, click the user, put the password (vmuser.01) and make enter.

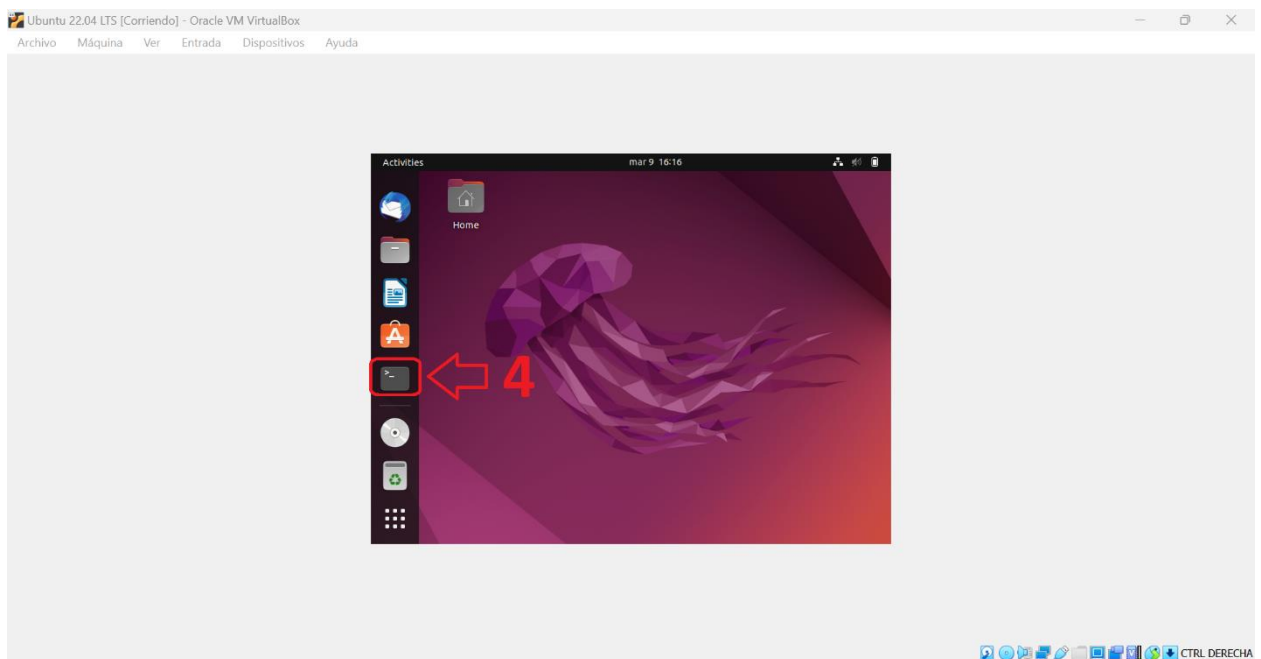


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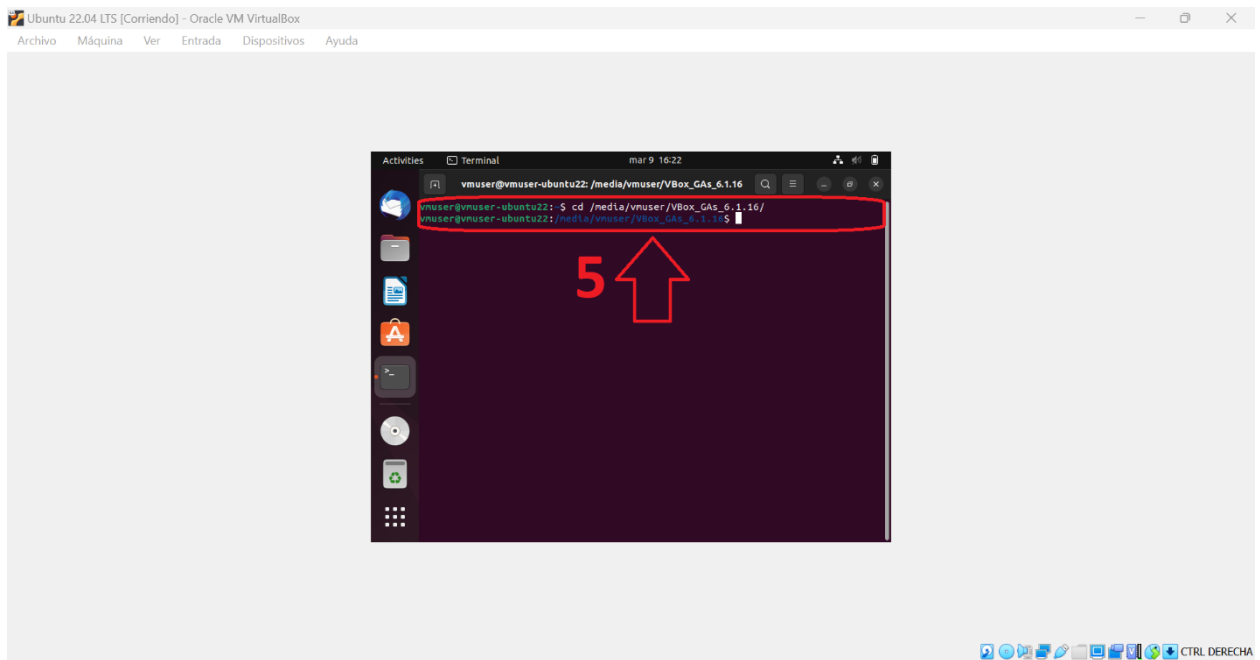
Click in devices and click in “Insert Guest additions”. This is to have the full screen.



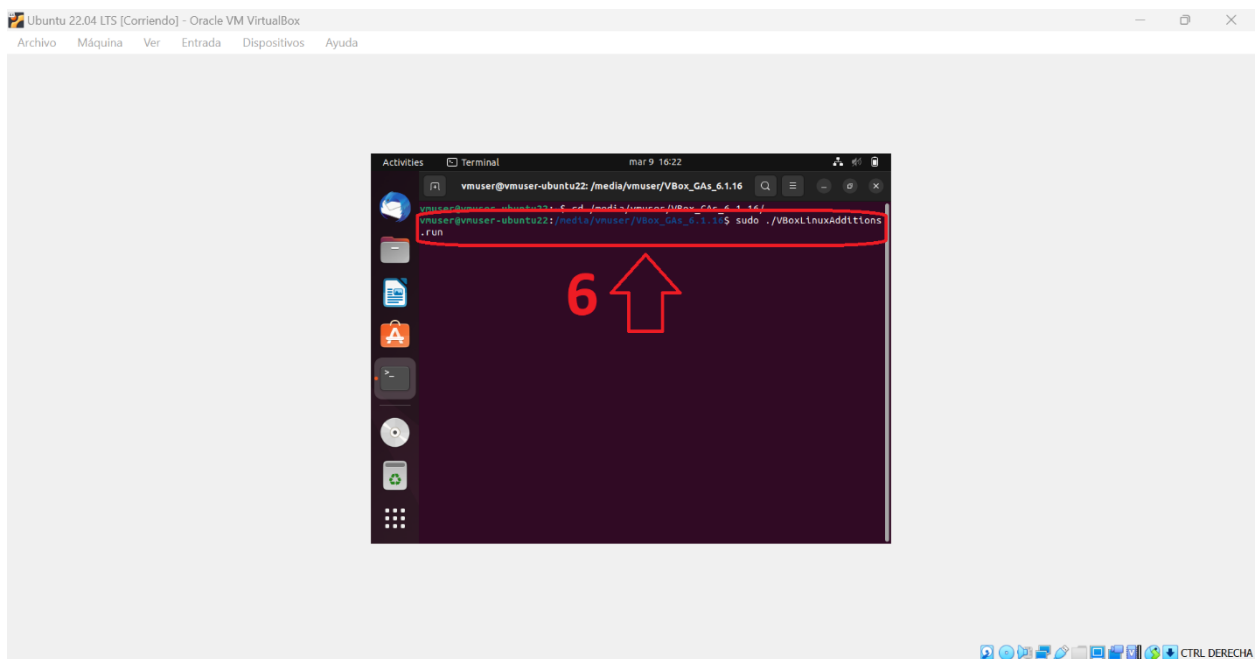
In the applications bar, scroll down and click the terminal.



In the terminal, put `cd /media/vmuser/VBox_GAs` , press tab and enter.

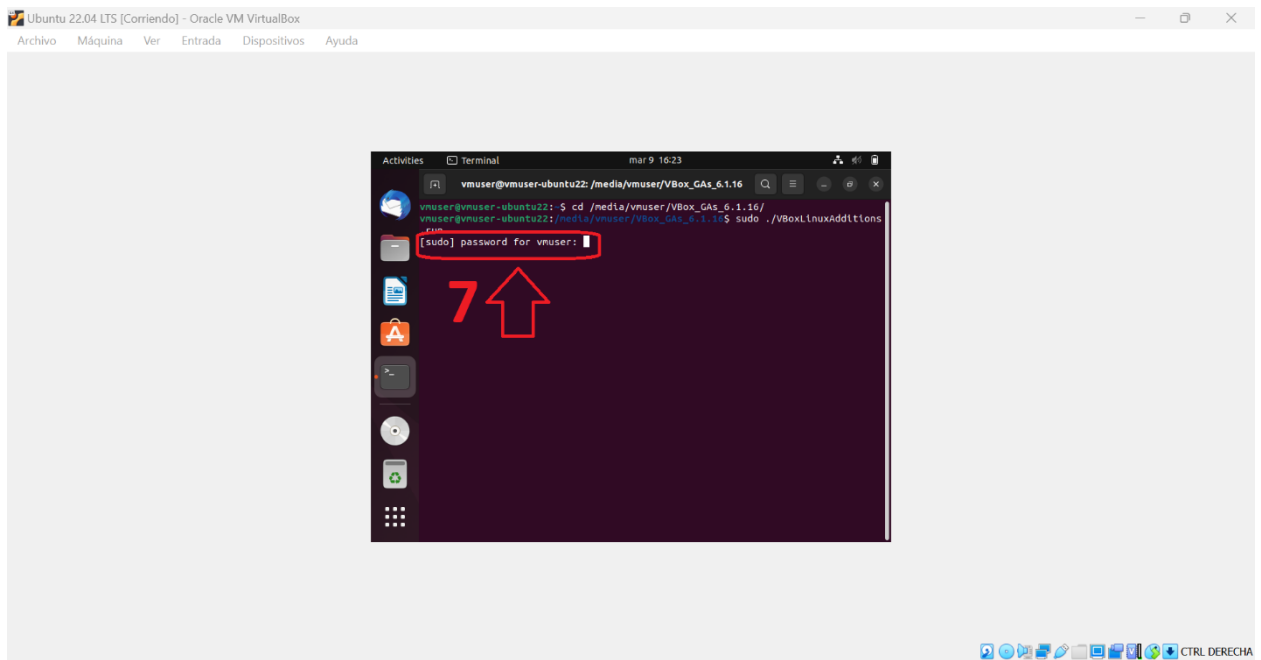


Now, put `sudo ./VBoxLinuxAdditions.run` and make enter.

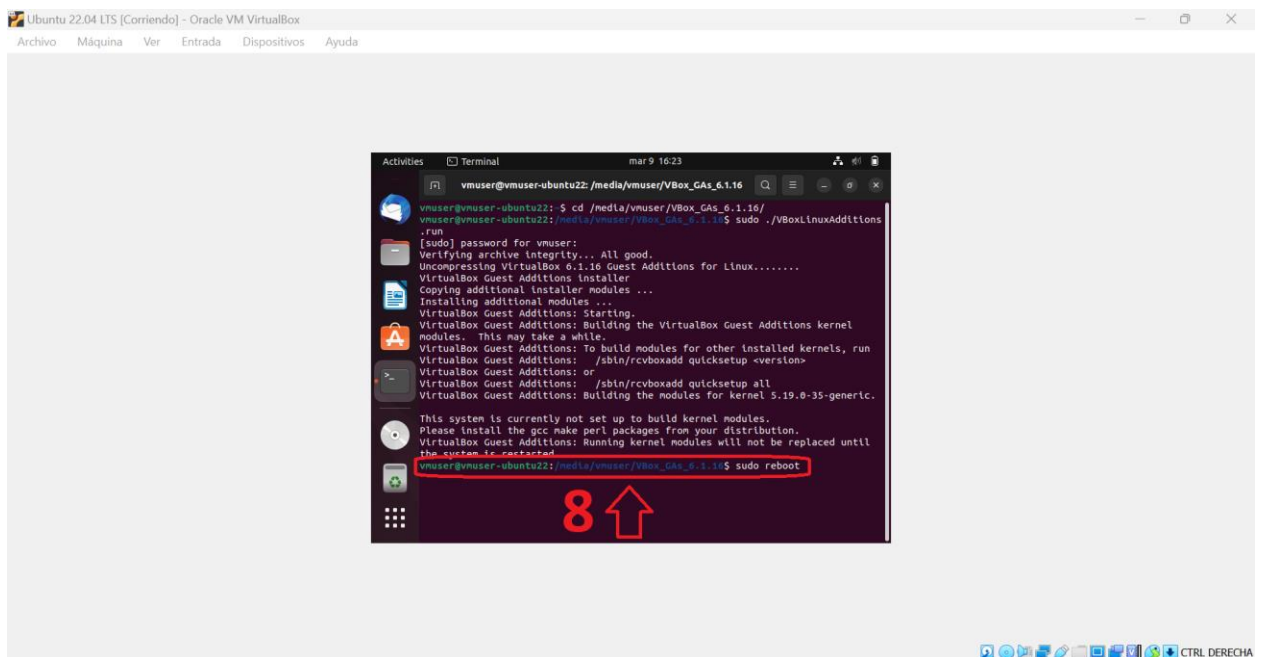


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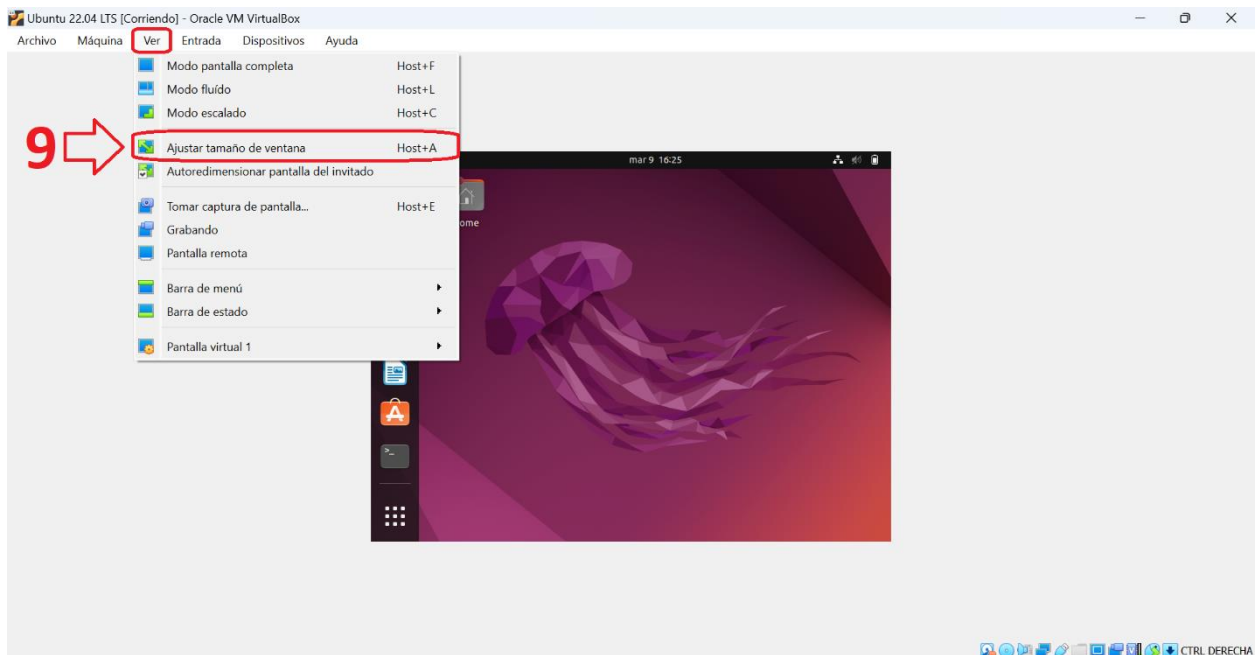
Introduce the password (vmuser.01) and make enter.



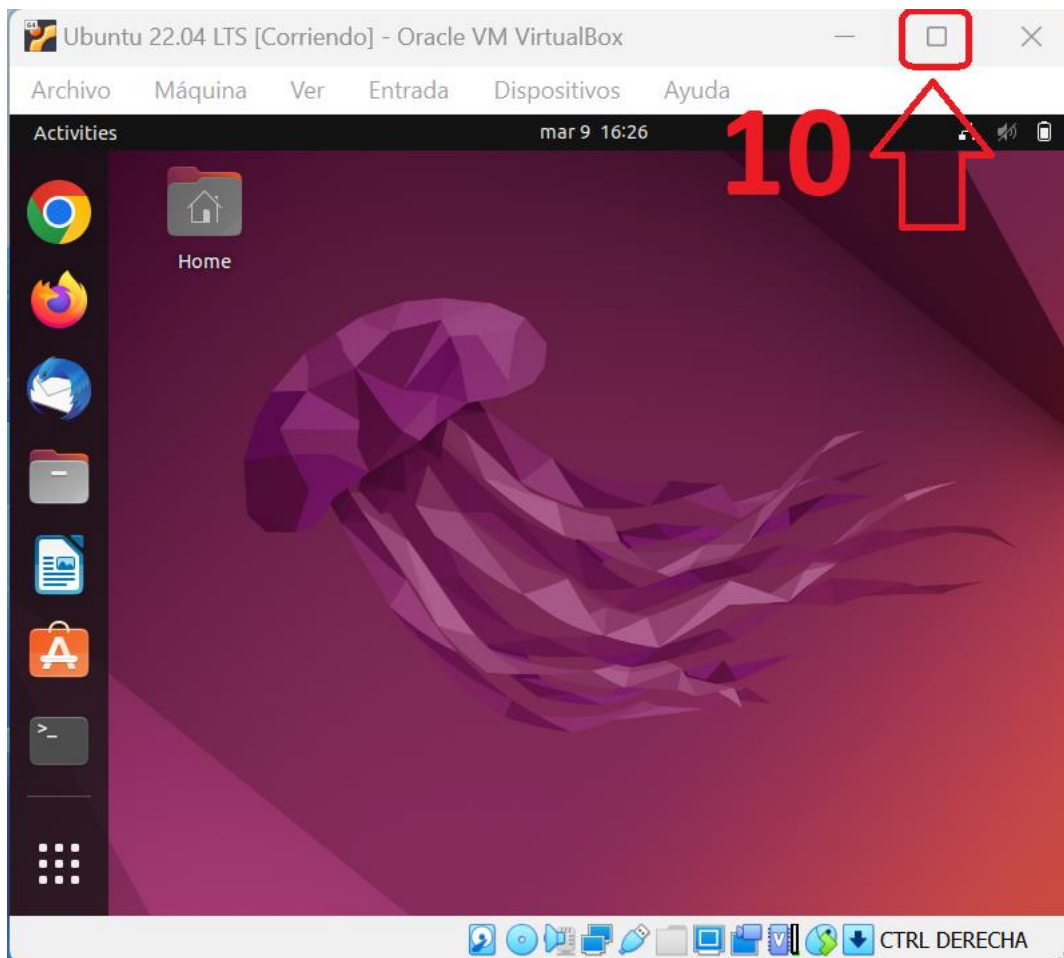
Now, put sudo reboot to reboot the system and sign in again.



Click in “See” and “Adjust window size”.

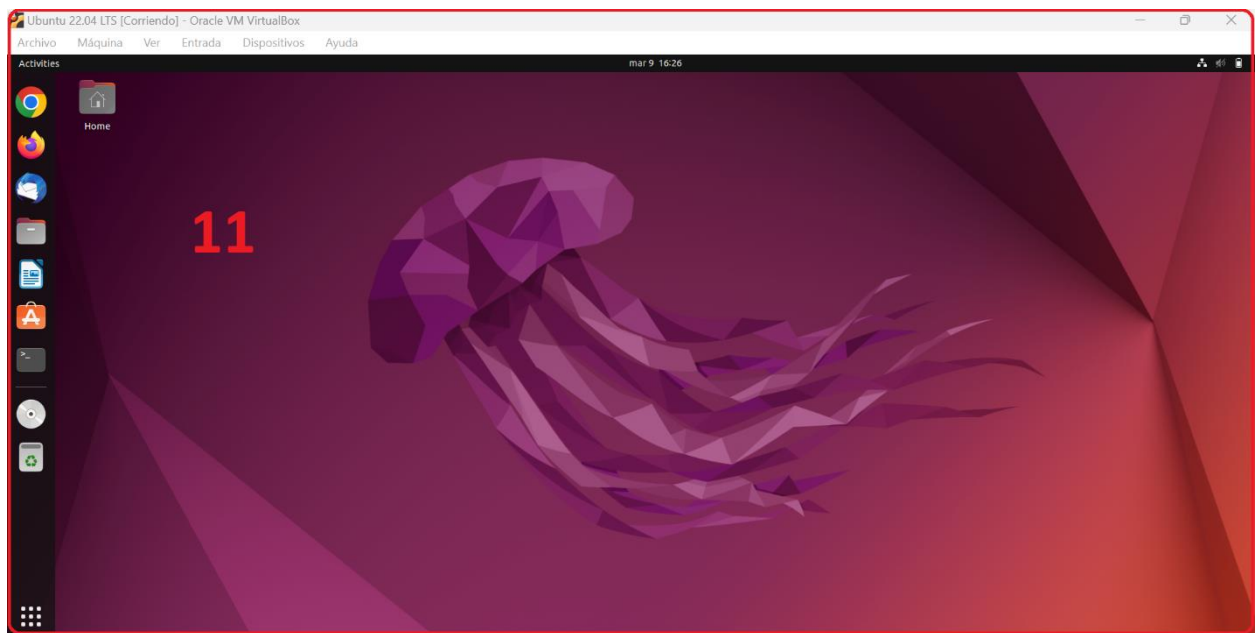


Click this icon.

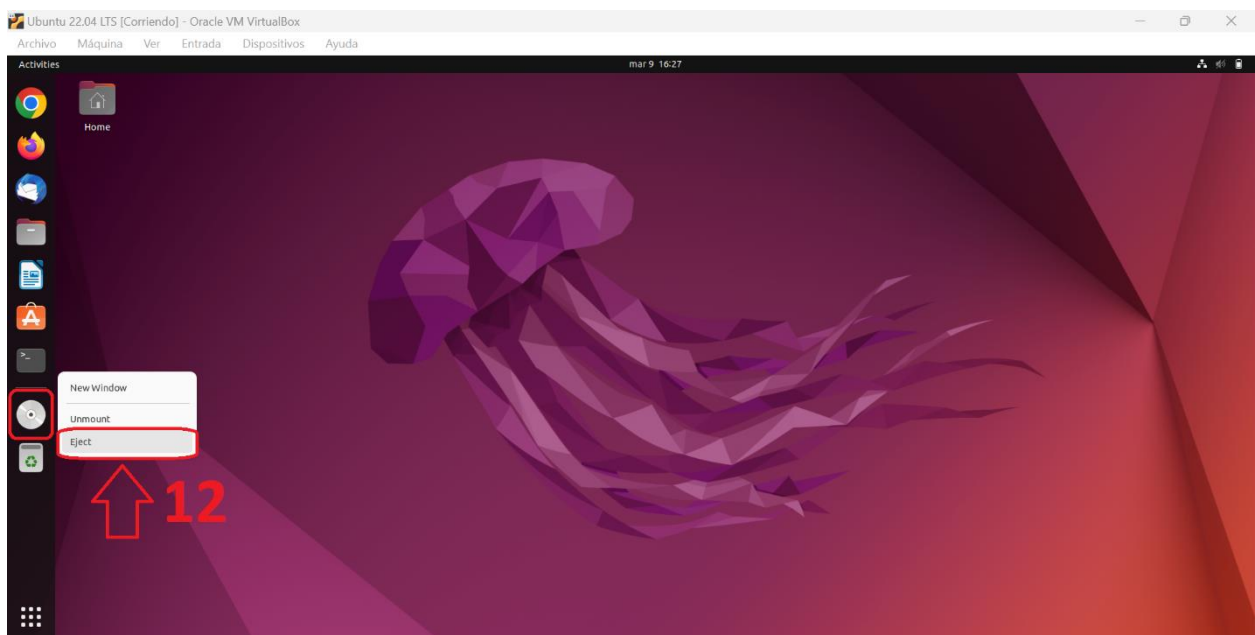


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Now we have full screen.



Make right click in the CD and click in “Eject”.



Now, we have the virtual machine ready to use.

