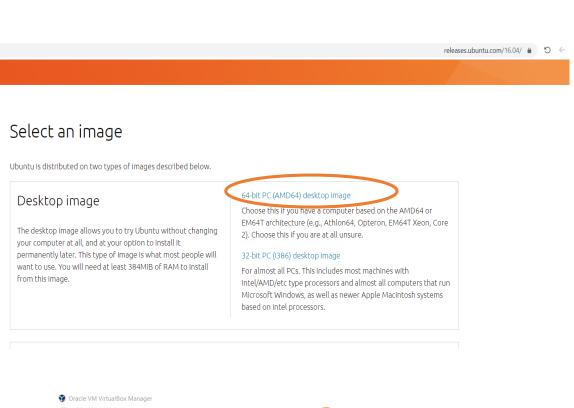
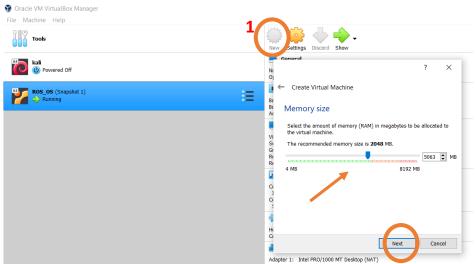
How to install ubuntu and ROS using virtual box

Step 1: we have to download the virtual box in order to run another operating system in your laptop, from the link below

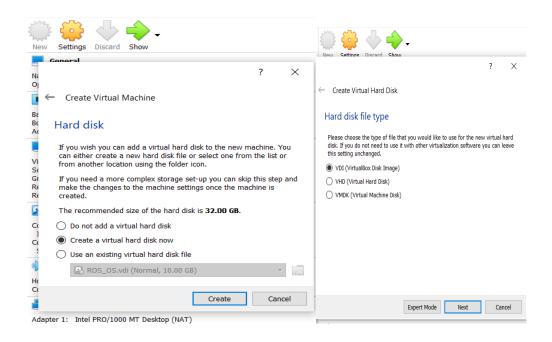
https://www.virtualbox.org/wiki/Downloads

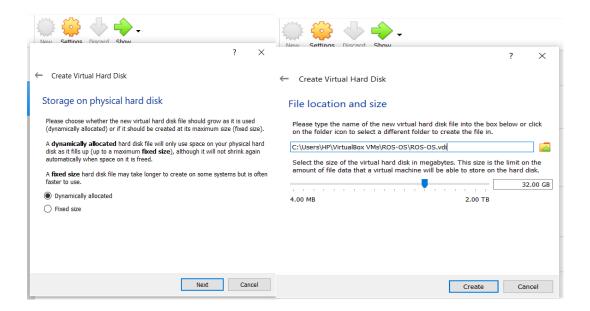
Step2: now we can download Ubuntu OS version 16.04 from this link https://releases.ubuntu.com/16.04 (https://releases.ubuntu.com/16.04/)/ you can choose any version, follow the illustration please



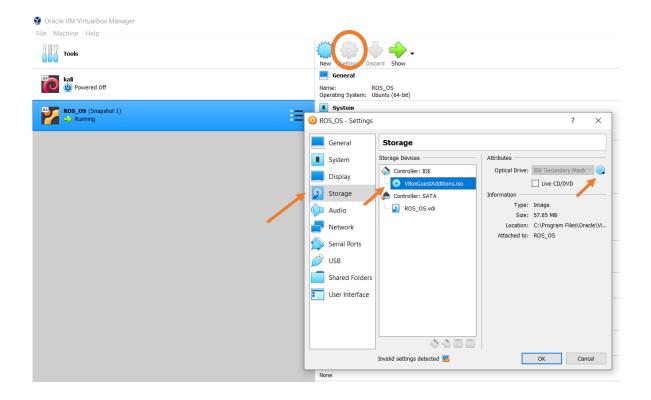


You can press next button and leave them as default

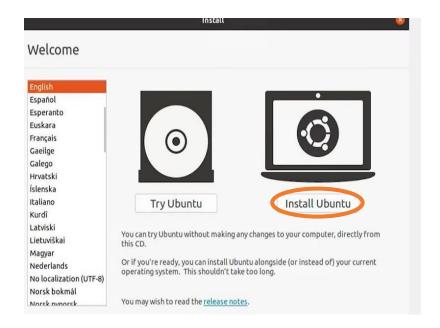




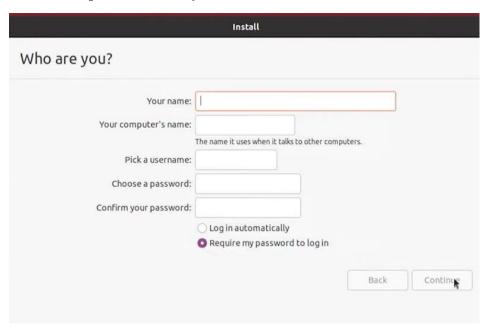
As shown in the picture you have to put your Ubuntu file that you download (.iso) from **Setting>storage> then follow the steps in the picture**



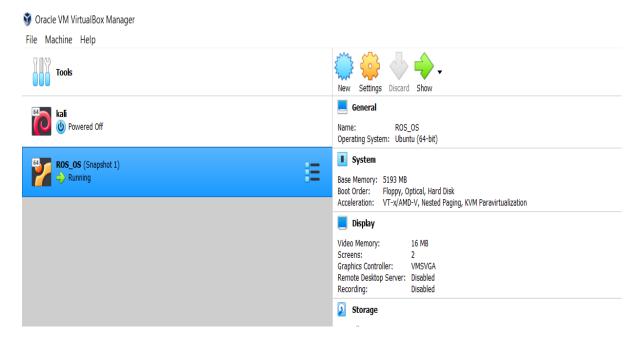
Step 3: press start to run the Ubuntu and to complete your installation.



Then press continue for the rest steps, Write your name, for username and set a password and make sure you remember it because you are going to use it as a permission key on Ubuntu.



Press continue and we are almost done, I downloaded successfully



Step 4: after the restart, to install ROS on Ubuntu we have to write some command in the terminal which are in this link:

https://s-m.com.sa/ros.txt

note that:

- after writing some command it's going to ask for your password that you have assigned.
- write "Y" if it asked to allow to continue the operation

you can also visit this link and follow the steps:

http://wiki.ros.org/noetic/Installation/Ubuntu

As it is shown it works correctly and launch the project!

