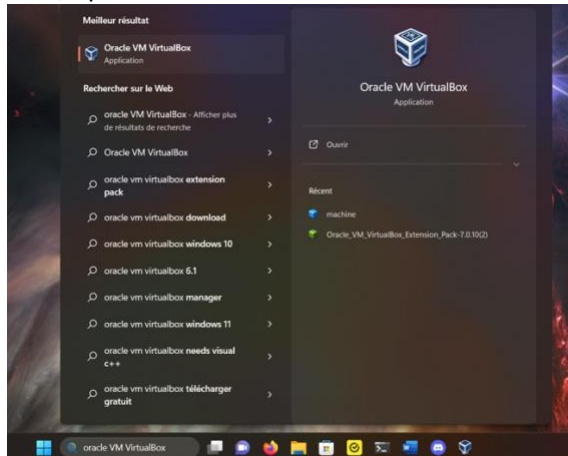
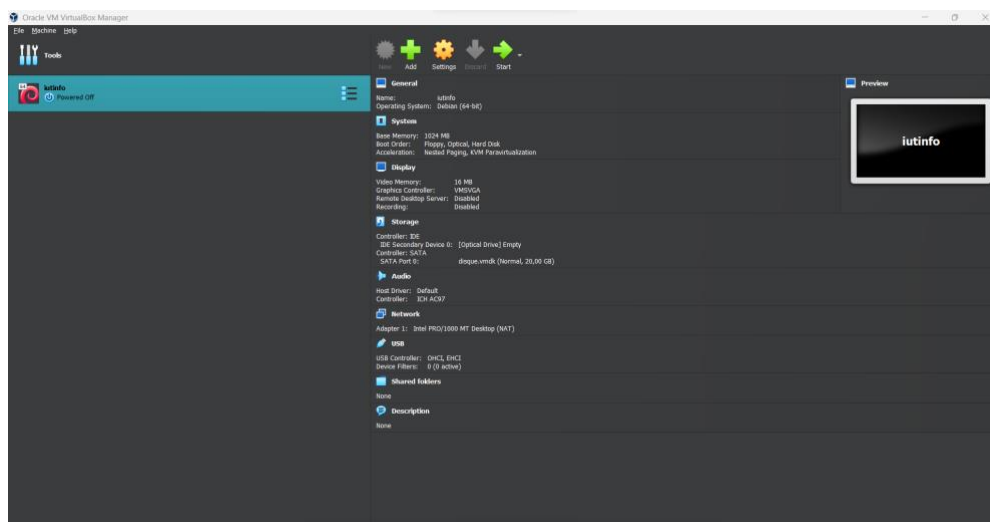


How to create and configure a virtual machine using Oracle VirtualBox

First, open VirtualBox.



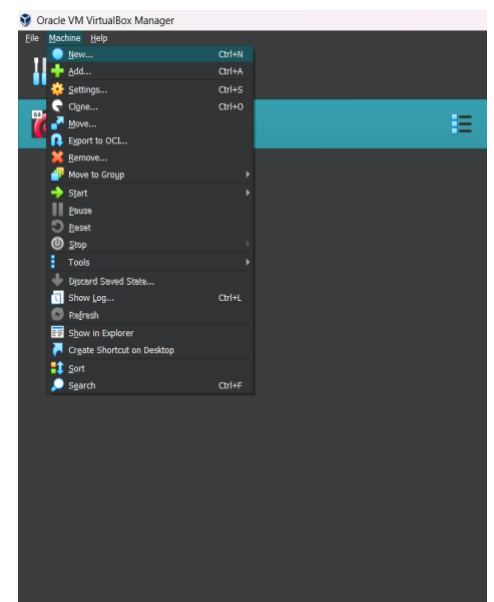
You will end up on the homepage of the software. Which look like this:

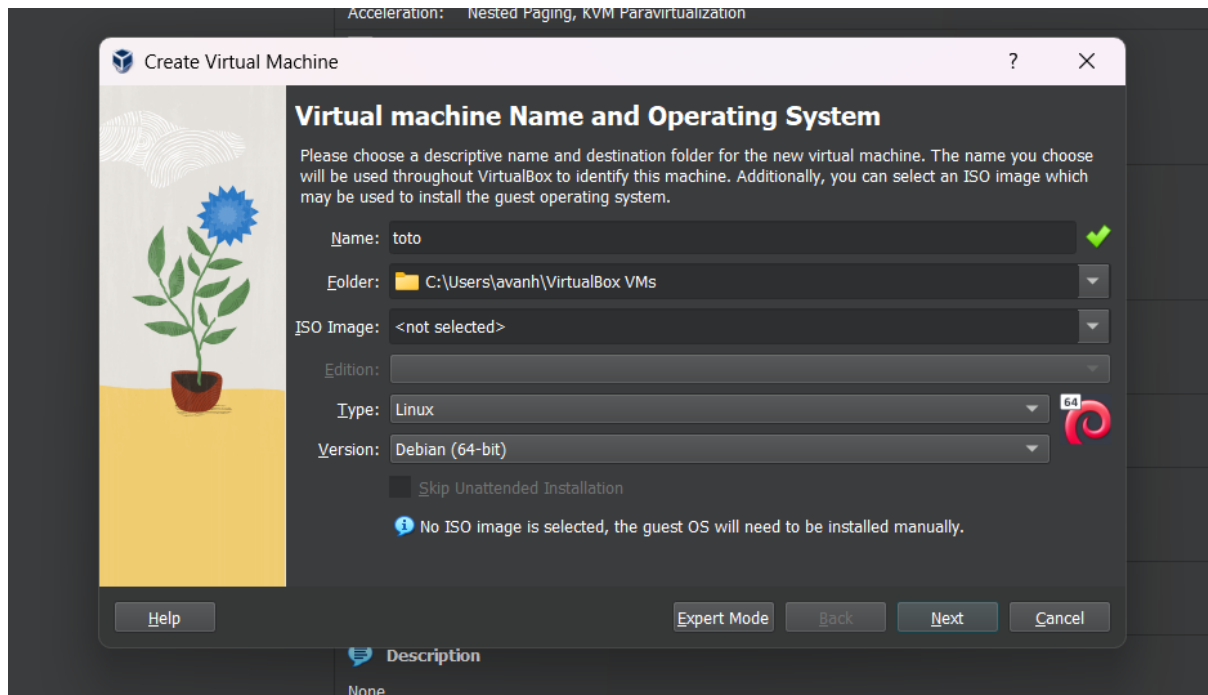


Do not pay attention to the existing machine called “iutinfo” on the left part of the homepage. Yours should be empty since you have not created any virtual machine (VM).

To create your first vm, just click on “Machine” on the top-left corner and click on “New”.

A new page will appear, with different fields you must complete to create your machine.





First, it will be the name of your machine, displayed on the main page of VirtualBox.

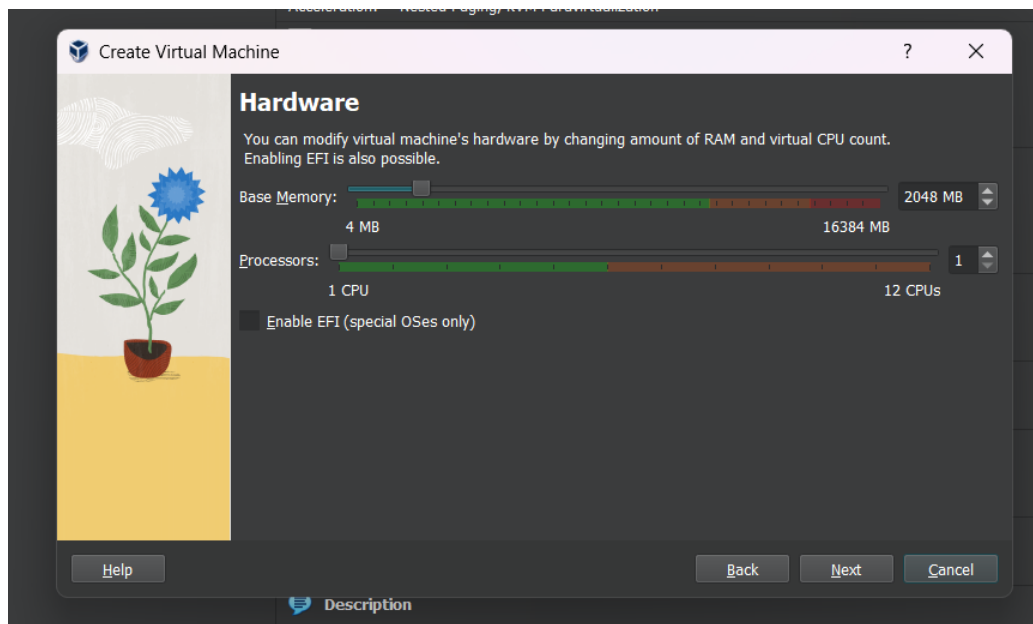
Then the folder, it's the folder in which your vm will be created.

And finally the ISO image will define the Operating System (OS) that your vm will run. You can find iso images for different OS on the Internet. Just find one for the OS you want to run on your machine.

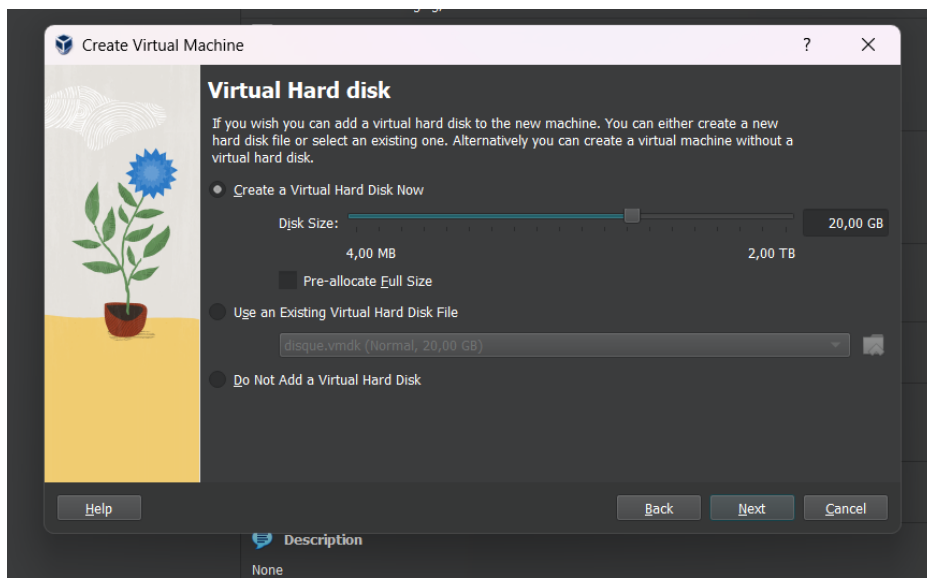
Here, we will be running an OS called Debian, which is a linux distribution.

All the next fields will be automatically filled up to match the ISO you selected.

Once you have completed all the fields, you can click on the "Next" button on the bottom-right corner.



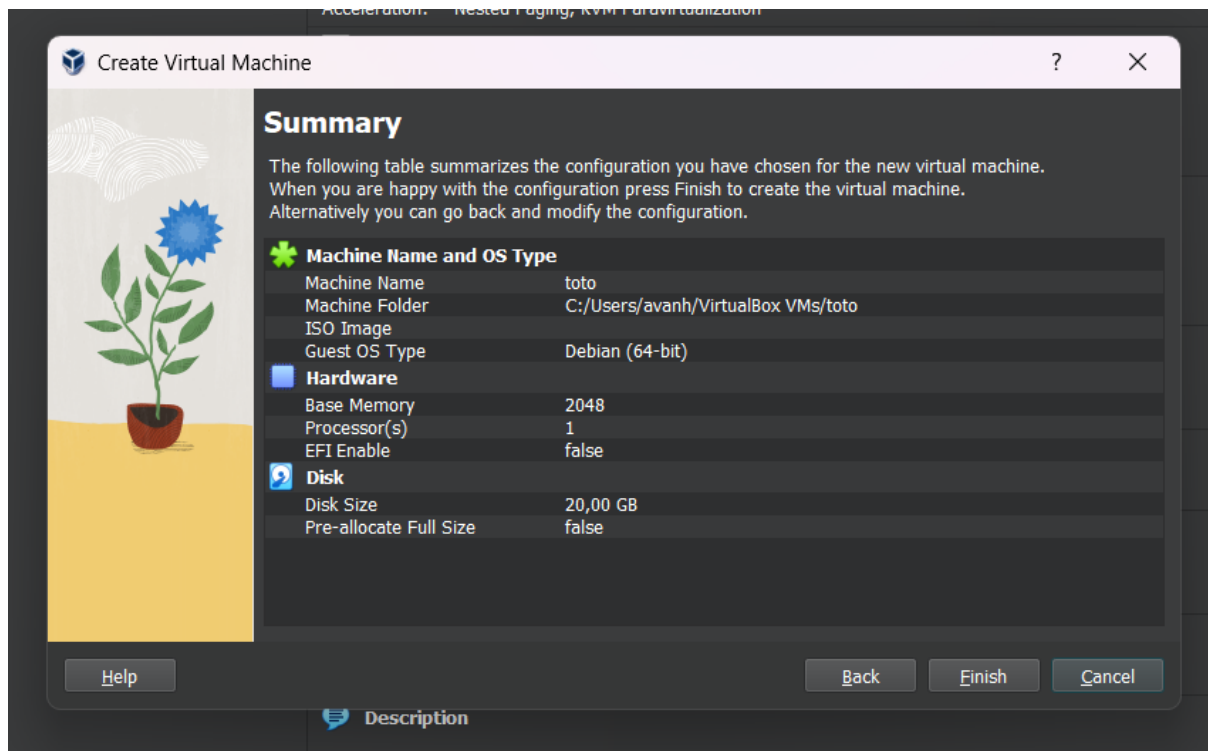
VirtualBox asks you how much RAM you want in your vm. It depends on the OS you selected. Since we will run a linux distribution which does not need many resources, we will keep on 2048 MB (2GB). You can also keep the processors on 1 CPU and click next again.



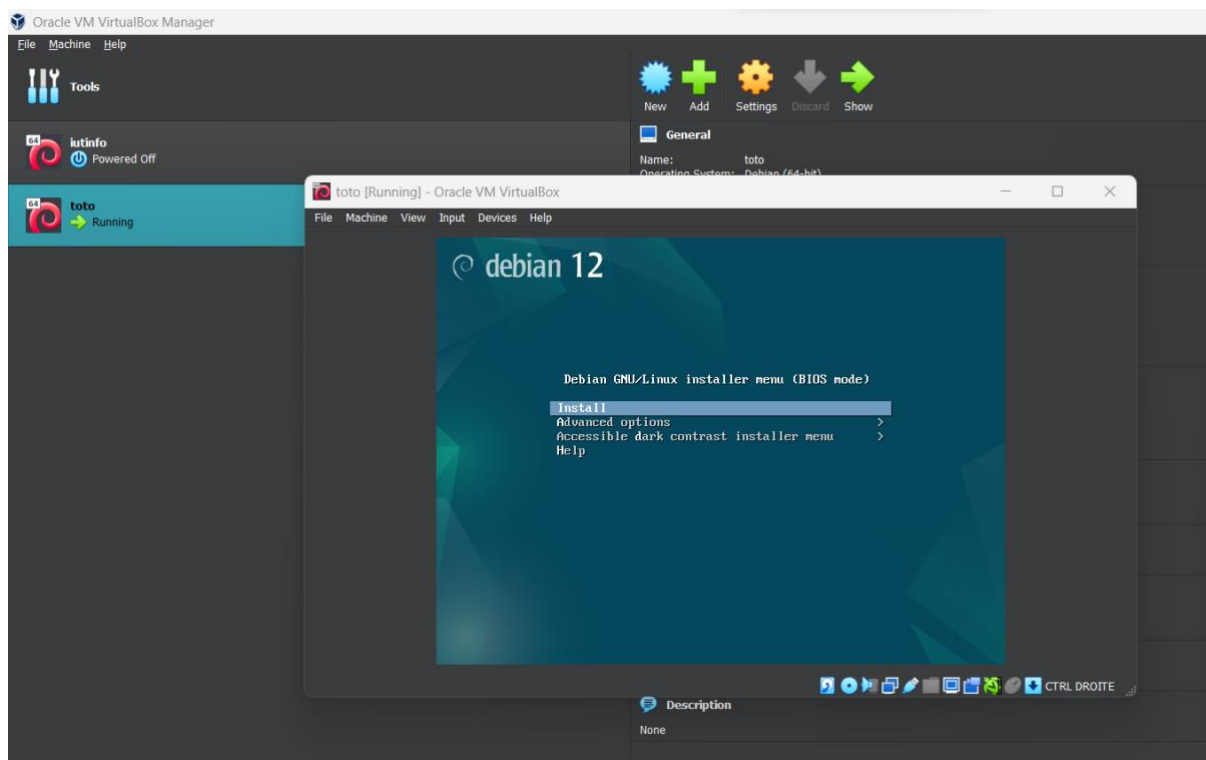
Here, you have to state how much storage you want in your vm. We will keep on 20 GB but you can put more or less. Then, you will find a tick box to Pre allocate full size, we recommend to let this box unticked.

You can now click next.

You will find a summary of all the configurations you made. Check if you made any mistakes, if not you can click on Finish and your vm is created and ready to run.

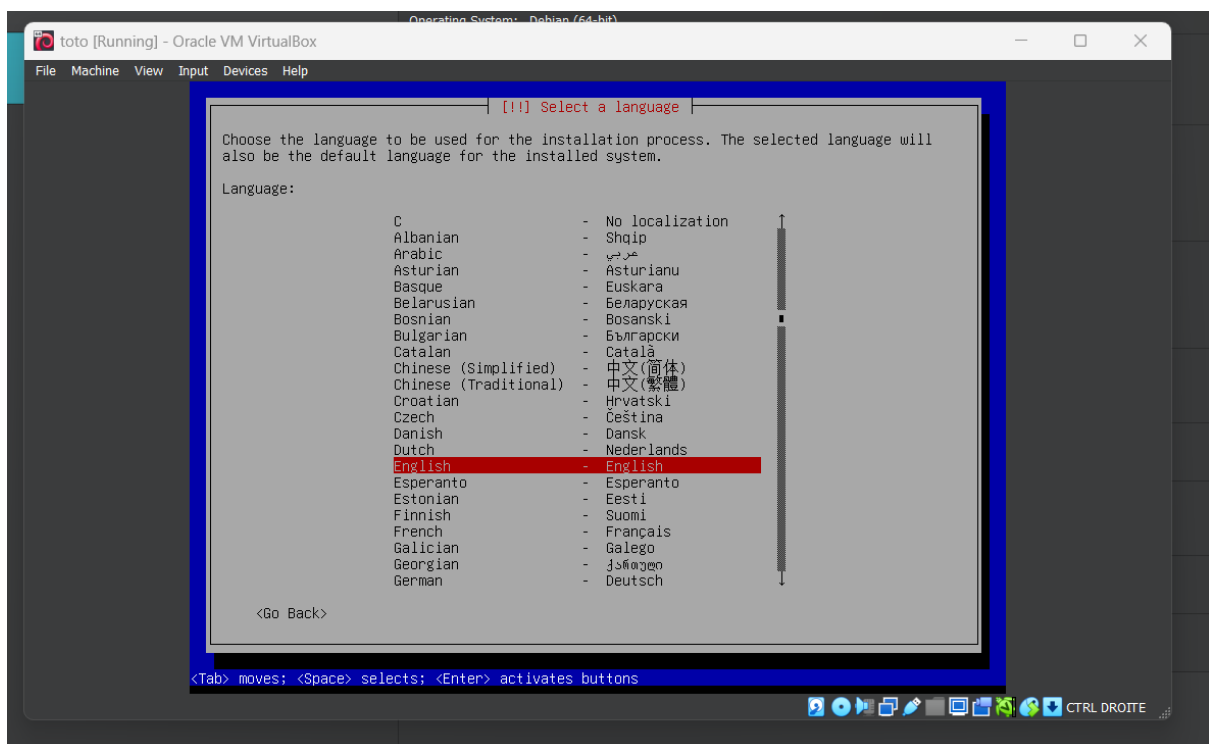


So you can click on your vm and on the start button.
You should get an interface like this:

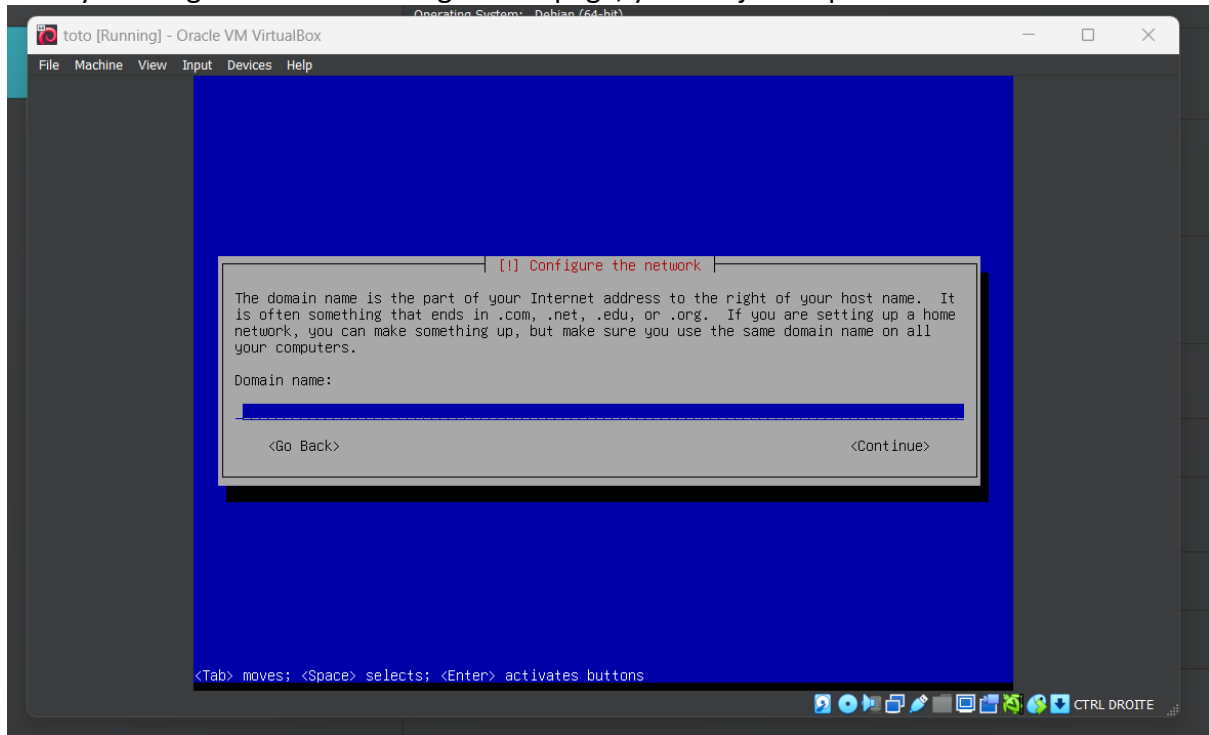


You can press Enter to install your OS.

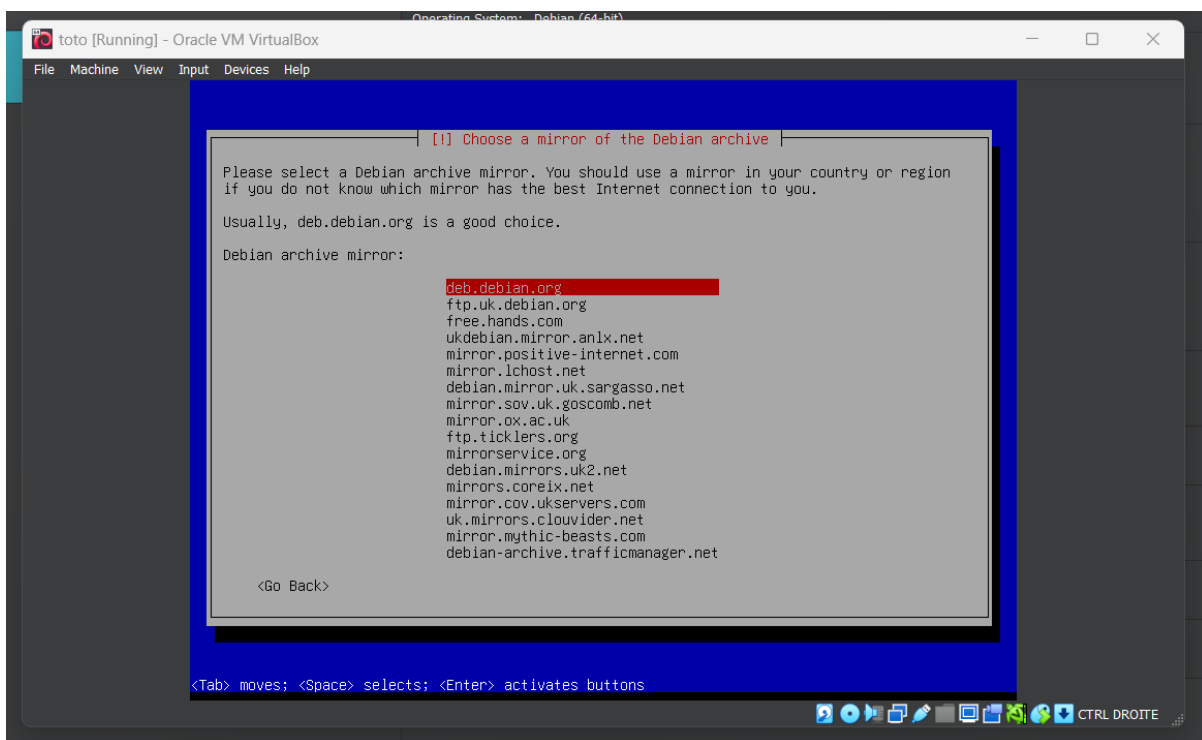
For the next 3 pages you can select what suits you the most since it's the language of the system and the keyboard configuration.



Then you will get a network configuration page, you can just skip this one.



The next one is pretty important, you have to select your location and the mirror which will be used to install your updates and softwares. We will use deb.debian.org as recommended by Debian. You can also skip the next page about the proxy.

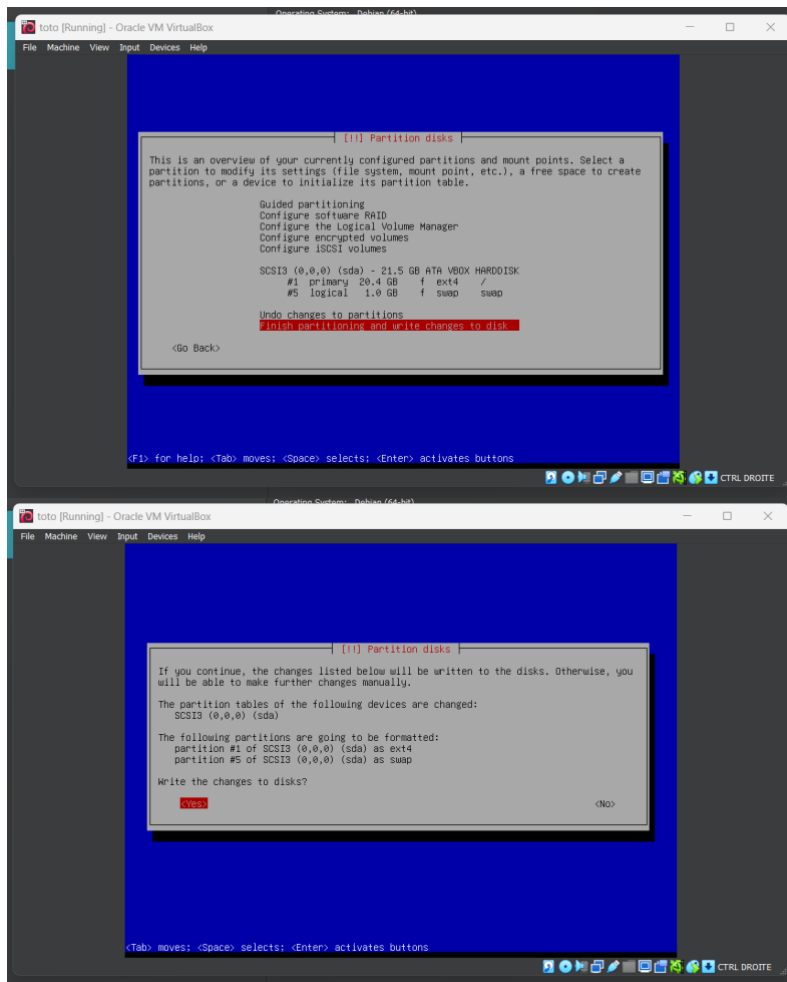


Next is the user configurations with the root and the common user. You will have to set a password for both and a username for the common user.

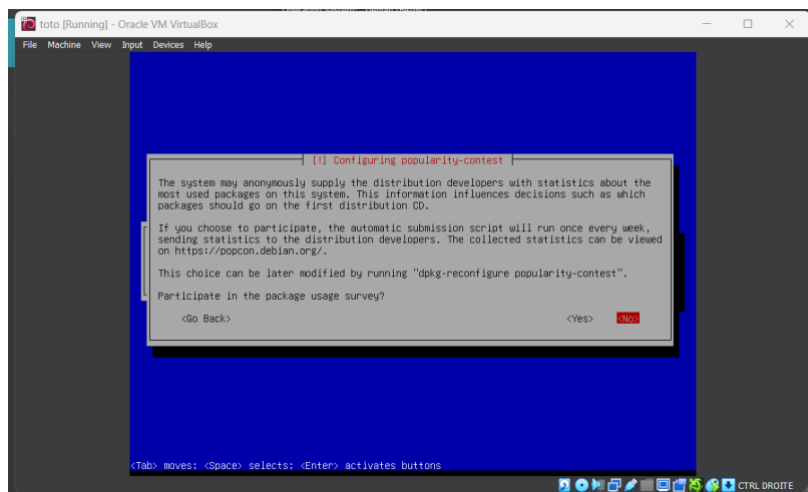


Next, we have to partition our disk. You can select the first partitioning method, select your disk and use the first partitioning scheme, finish the partitioning and then write the changes on the it.

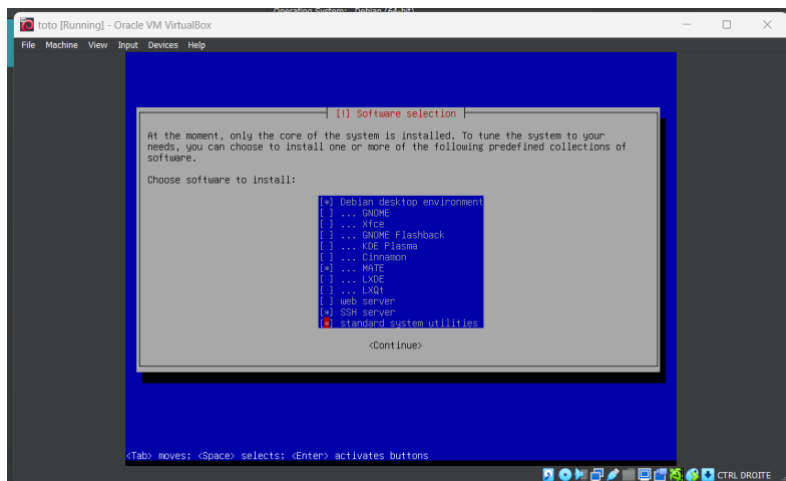




The last part is the installation of different software.
First you can choose to participate or not to a survey.

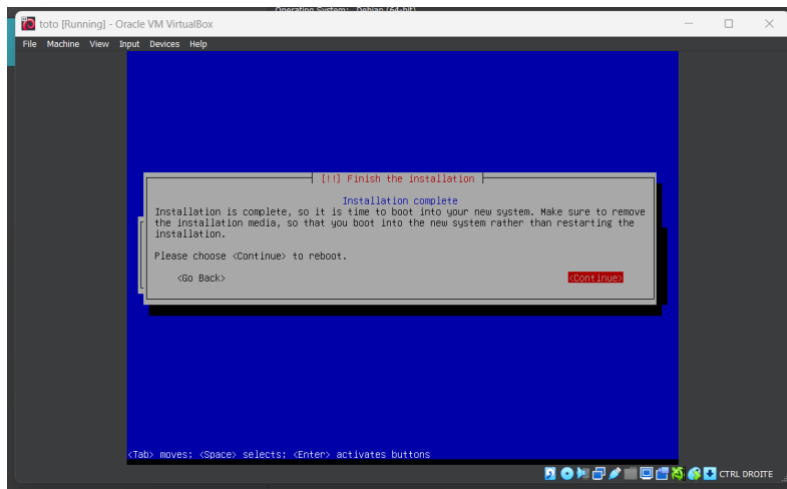


Then you have to select which software you want to install, we recommend these ones :

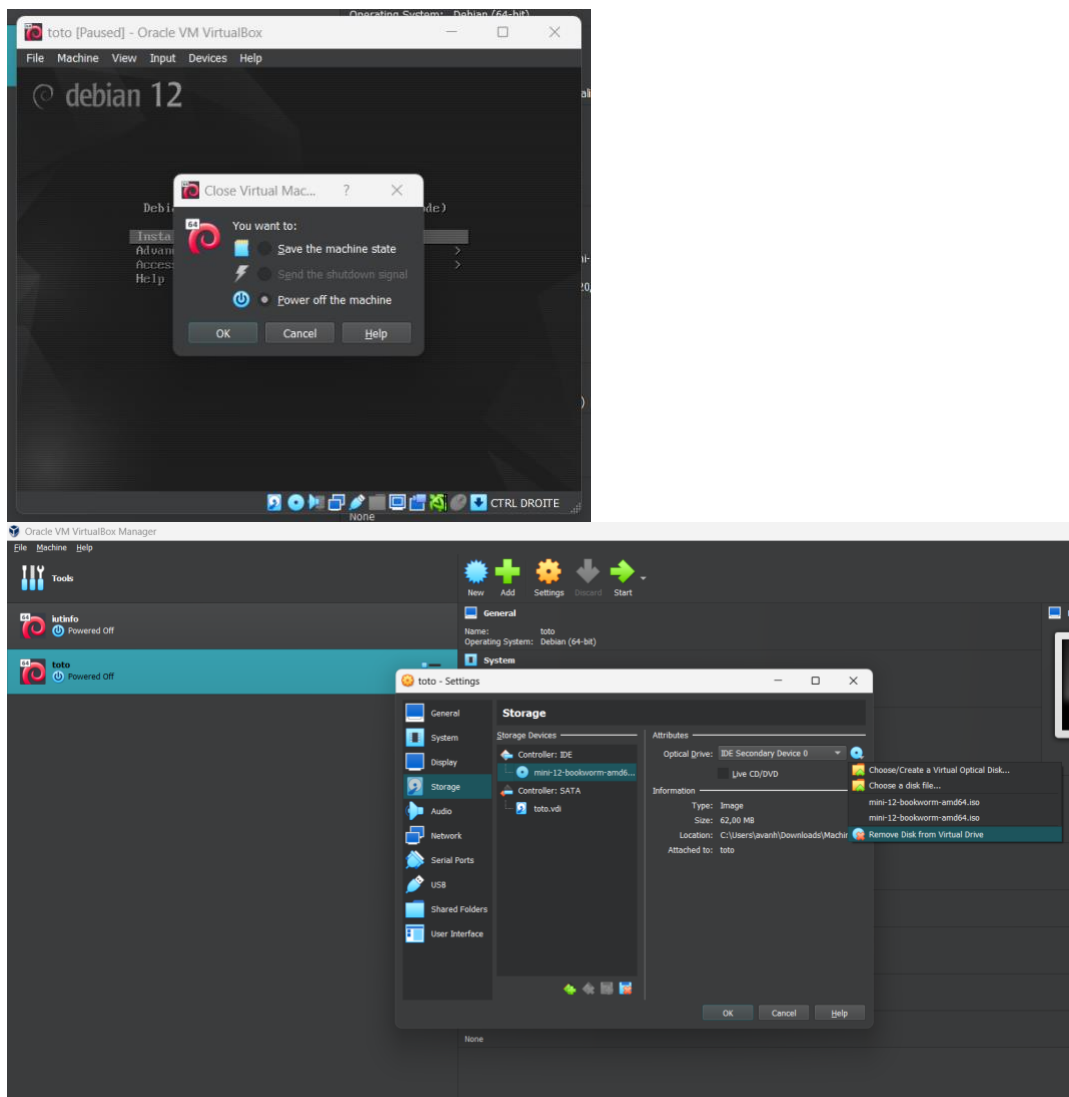


Now you have to install grub bootloader, so it can load your OS when you start your VM.





You can now power off your VM and eject the ISO in the settings. And then restart your VM.



You can now enjoy your first VM !
Word count : 596 words.