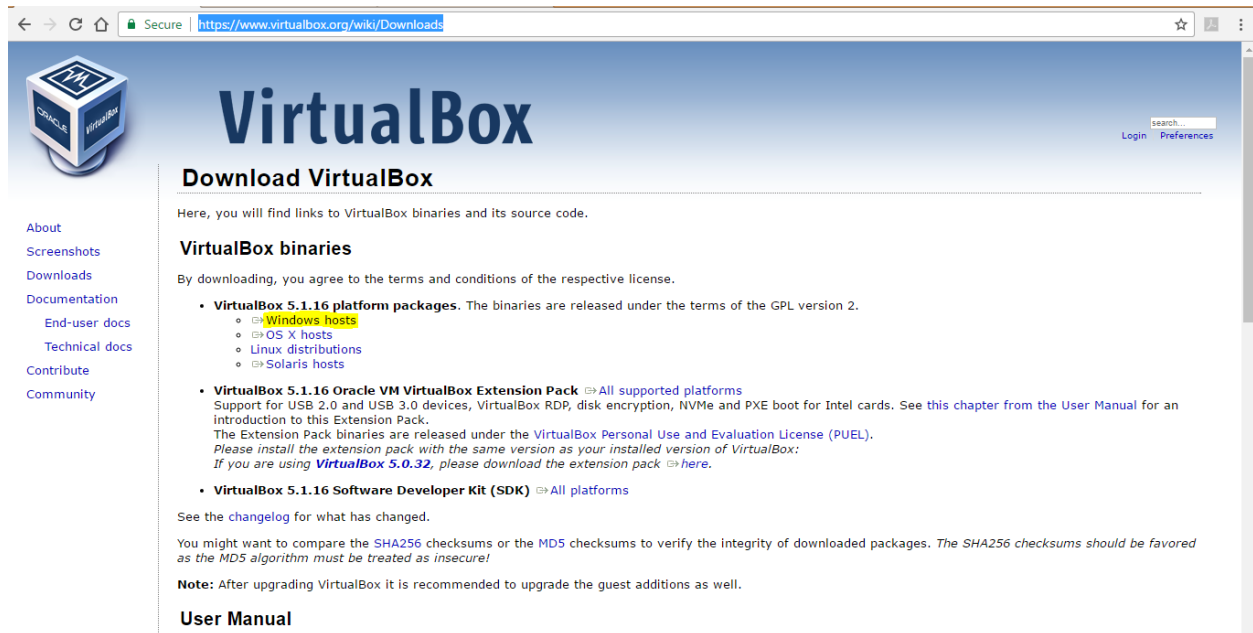


Instructions to install virtual box and Ubuntu Operating System:

Assumptions: Throughout this manual I am assuming that you are using windows 64 bit operating system. If you are using any other operating system, feel free to contact the grader for any help.

The first step is to install the Oracle Virtual Box. To install the same, visit,

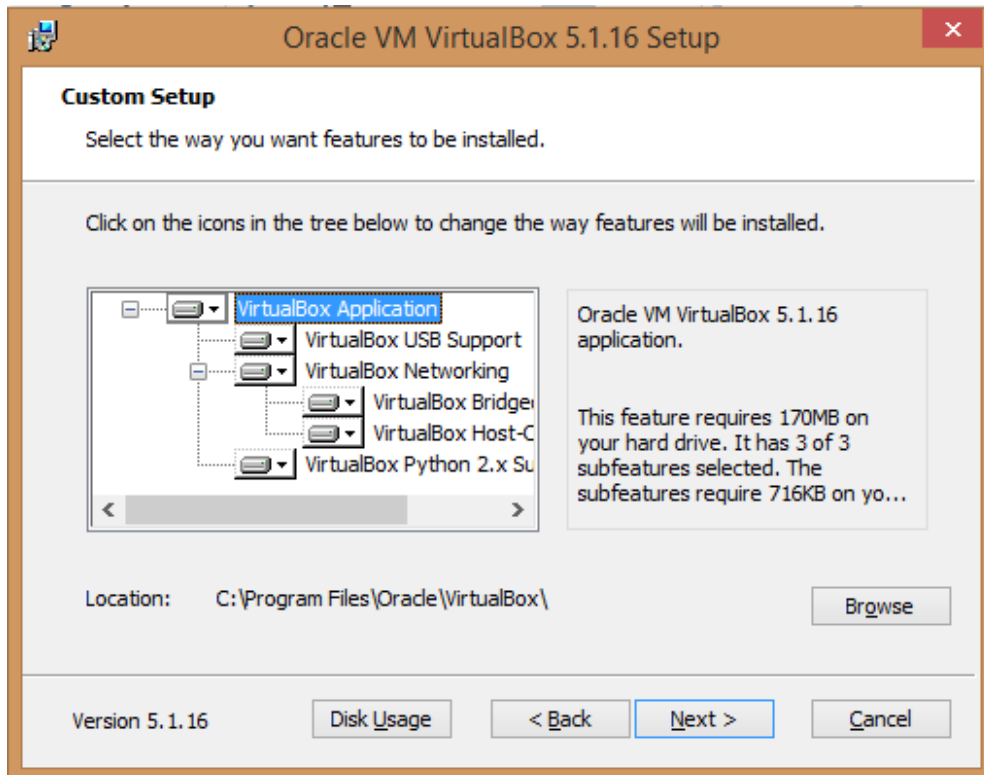
<https://www.virtualbox.org/wiki/Downloads>



The click on the Windows Hosts. That should download the Virtual Box on your system. The follow the following screenshots to install the virtual box.



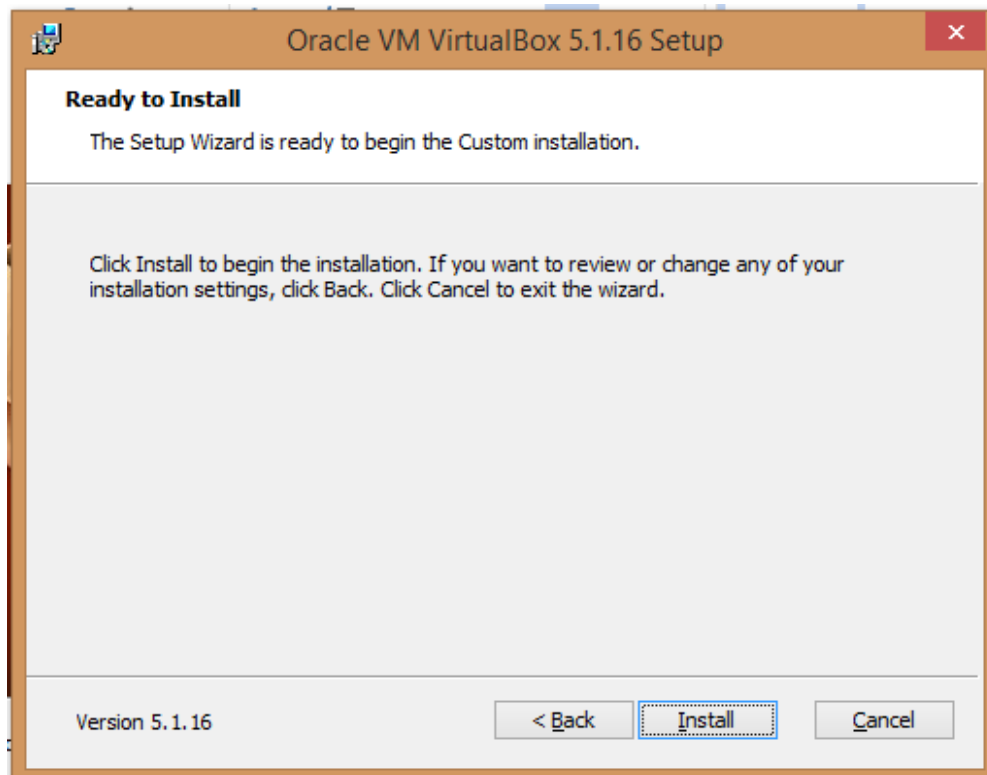
Click on Next.



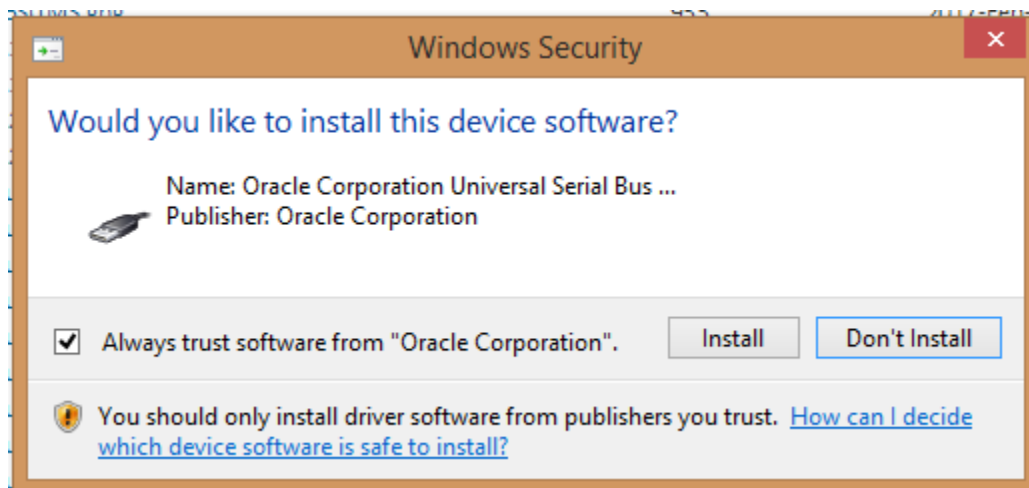
Click on Next 2 times.



Choose Yes



Choose to install. That should install Virtual Box on the system.



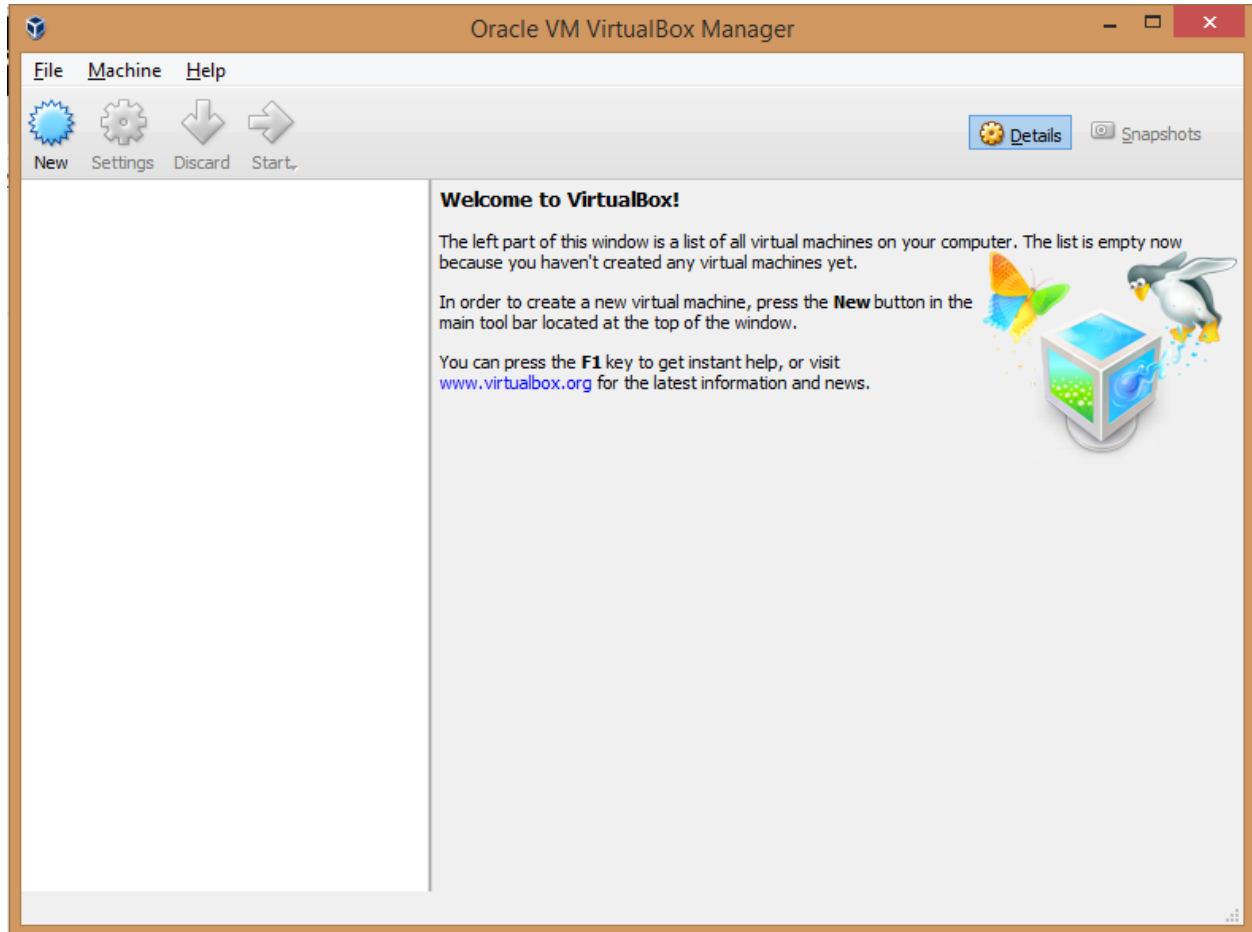
Choose Install.



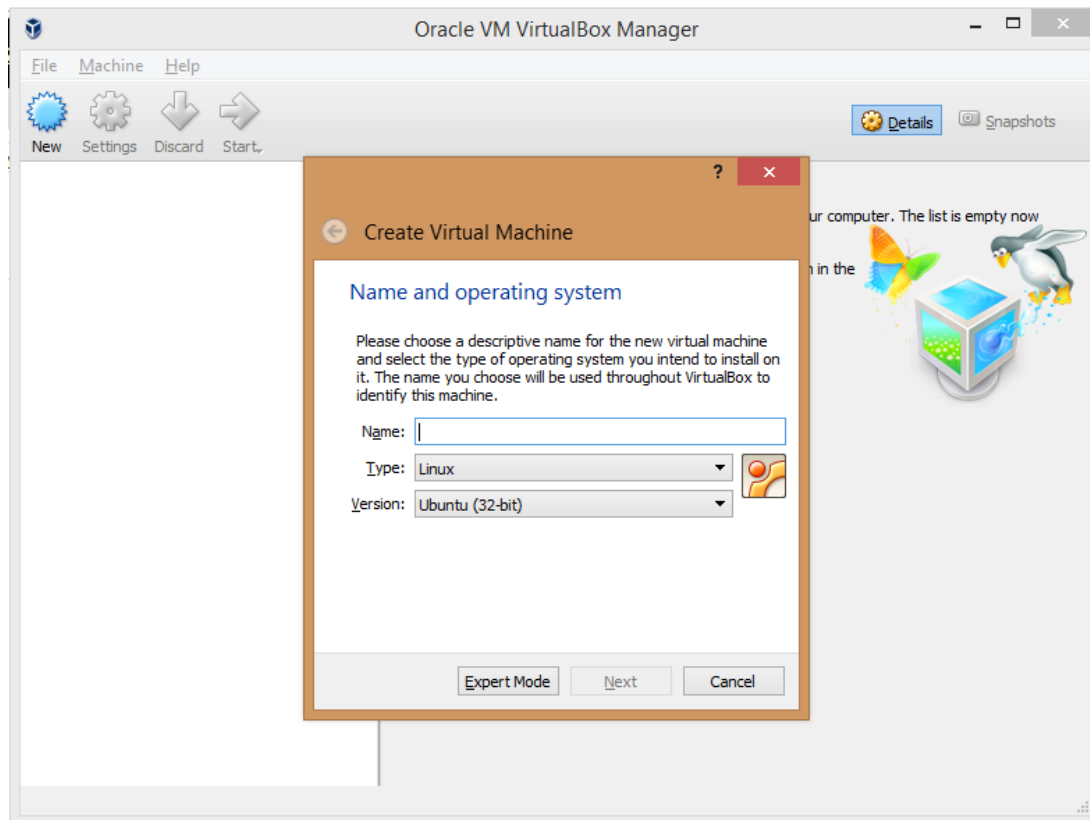
Hit Finish. Now Virtual Box has been successfully installed on your computer.

Now Download Ubuntu linux on your computer. For this class I recommend to use the XUbuntu as its faster compared to the original Ubuntu. Thanks to its minimal graphics. But you are free to use any Ubuntu based linux distributions. It should work fine. But please do not use something like LUbuntu as that limits the choice of software you can install on your system. You can ofcourse expand its scope but it involves modification of few files and you can go ahead with your own risk.

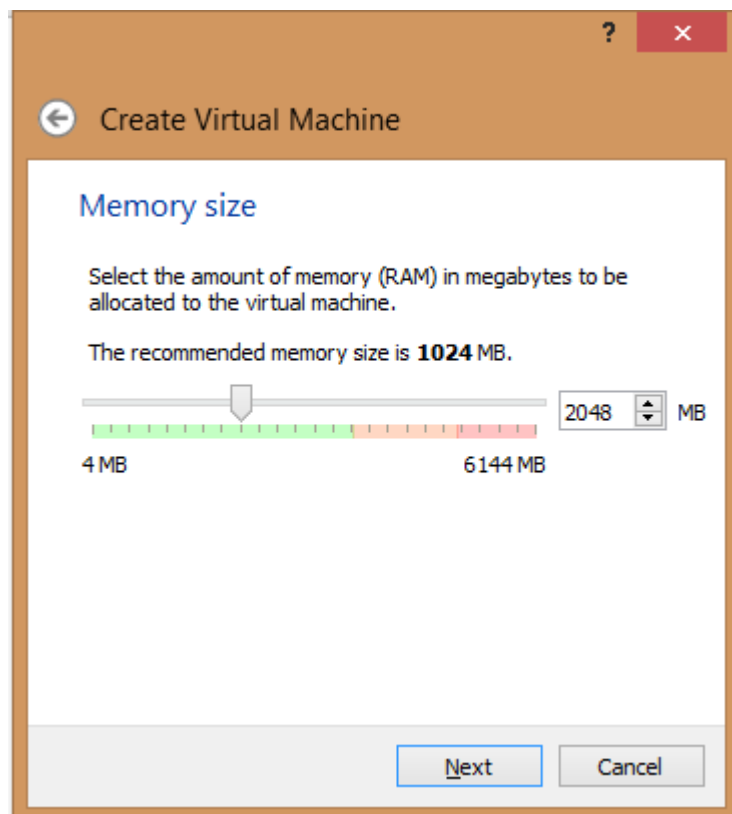
To install XUbuntu, visit, <http://mirror.us.leaseweb.net/ubuntu-cdimage/xubuntu/releases/16.04/release/> and choose [xubuntu-16.04.2-desktop-i386.iso](#) to download the XUbuntu operating system. We chose that file because Virtual Box supports only 32 – bit operating systems.



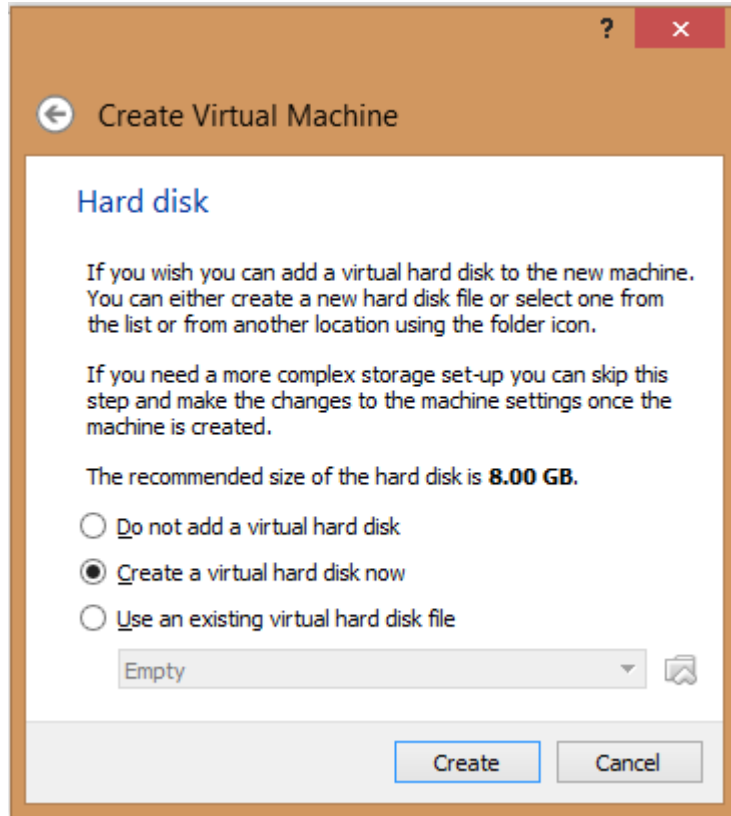
Click on New Button on the top left corner.



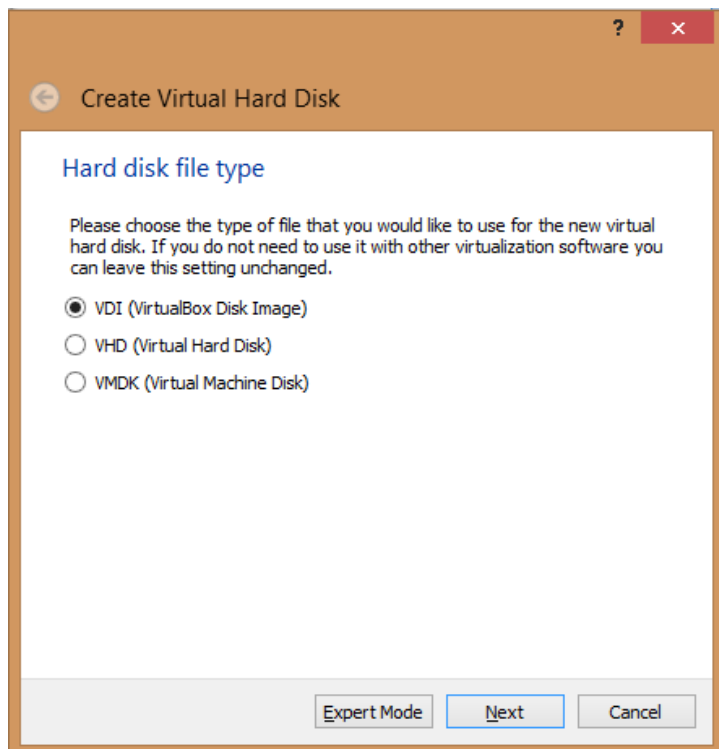
Enter a name of your choice for the operating system and click next.



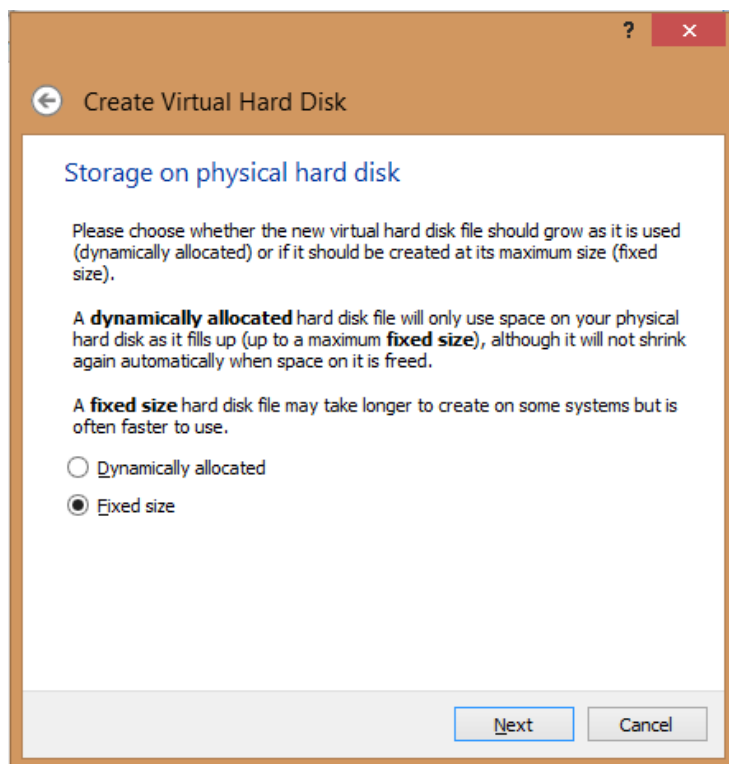
Choose the size of the RAM for your virtual operating system. I have 6 GB of RAM in my personal laptop so I chose 2 GB for my virtual environment. If you have more RAM on your desktop you can have the privilege to allocate more RAM to the virtual environment. Once you chose the size of your RAM, hit next.



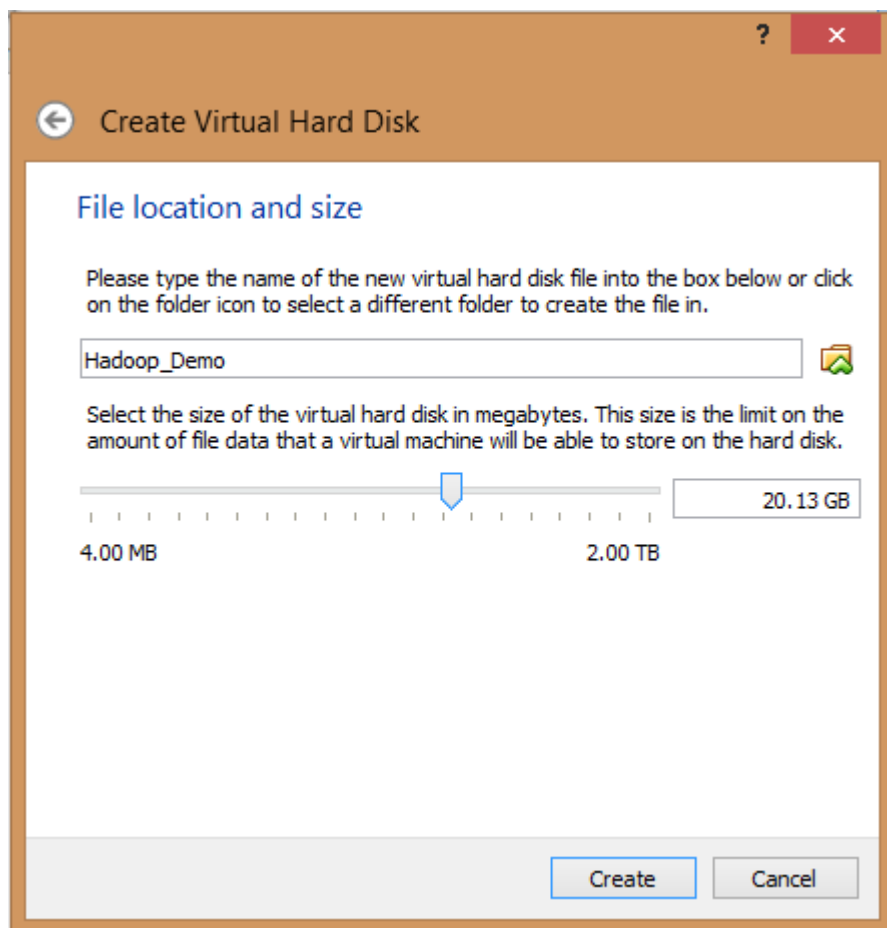
Click Create.



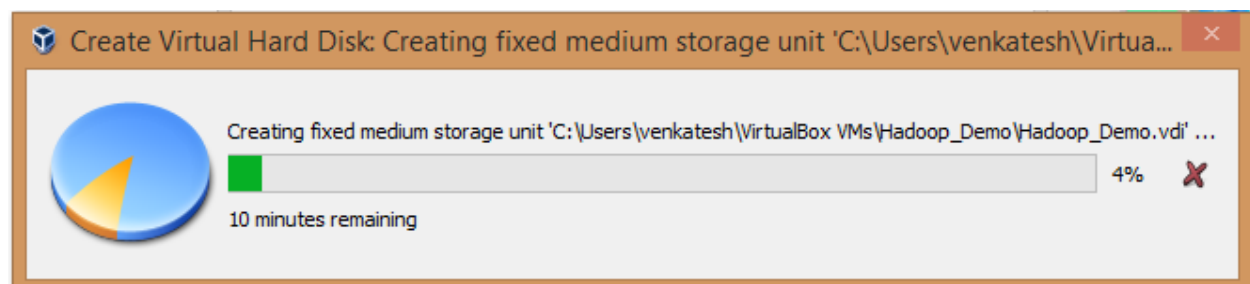
Hit Next.

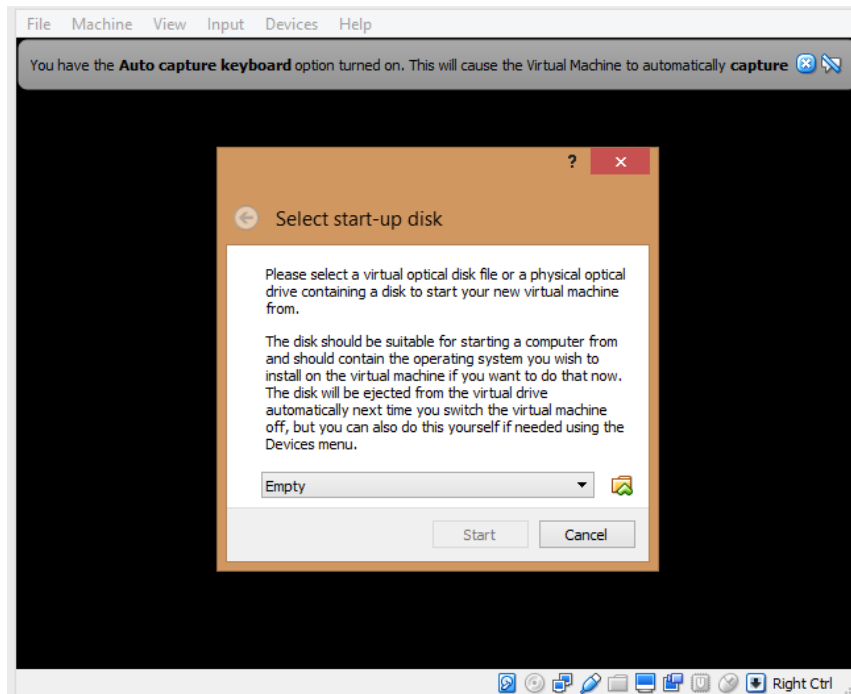


Choose Fixed size, as it is faster, but again, decision is up to you. It works even if you choose dynamically allocated option.

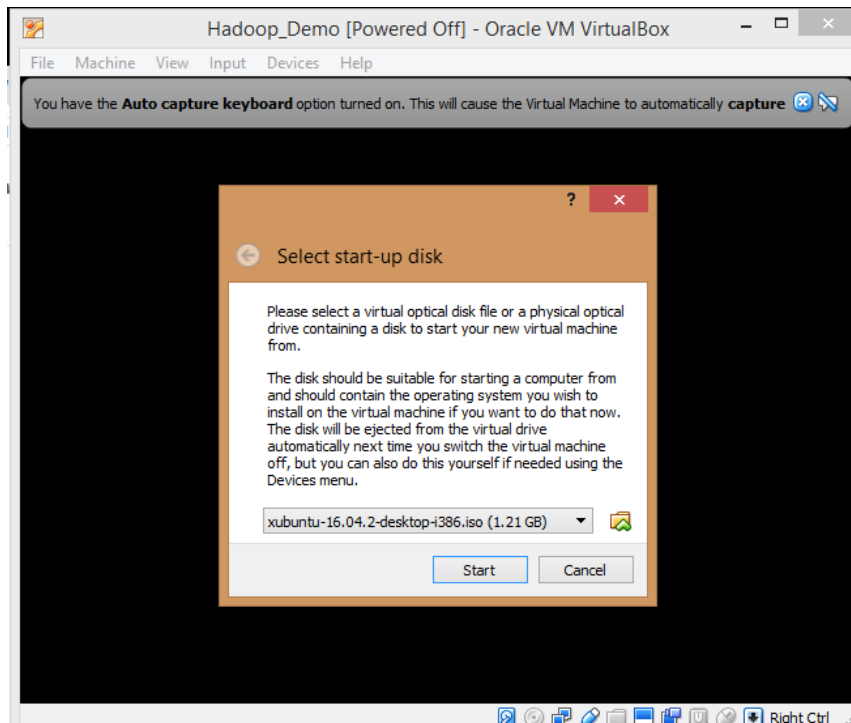


I recommend to choose around 20 GB but if you plan to use the virtual box in future, you are welcome to choose something more and hit create.

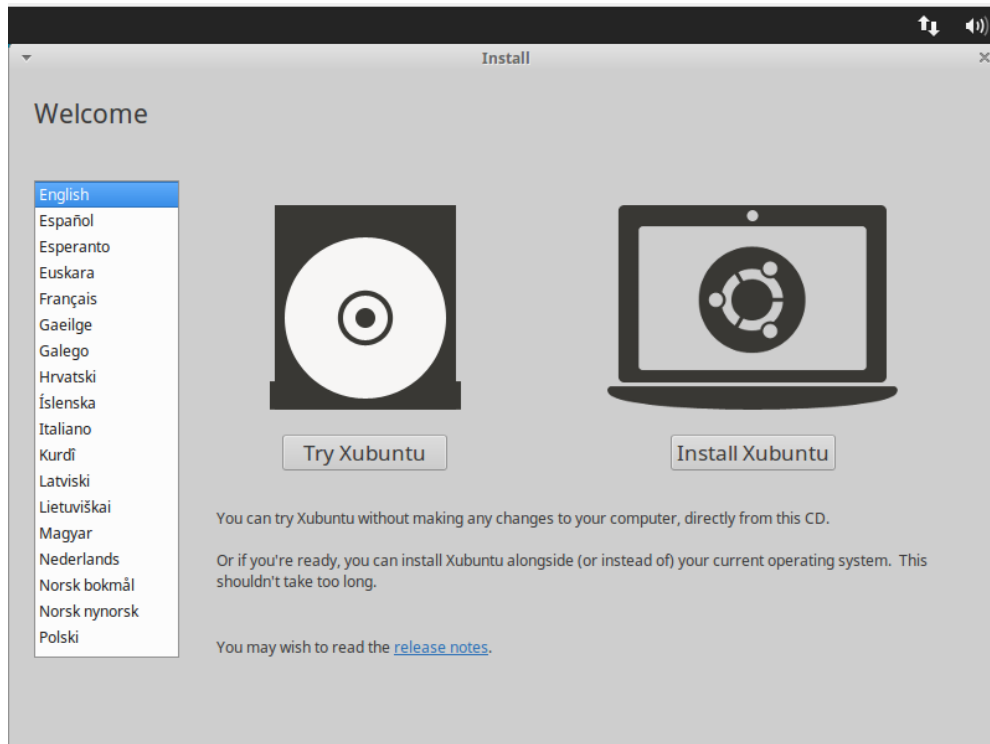




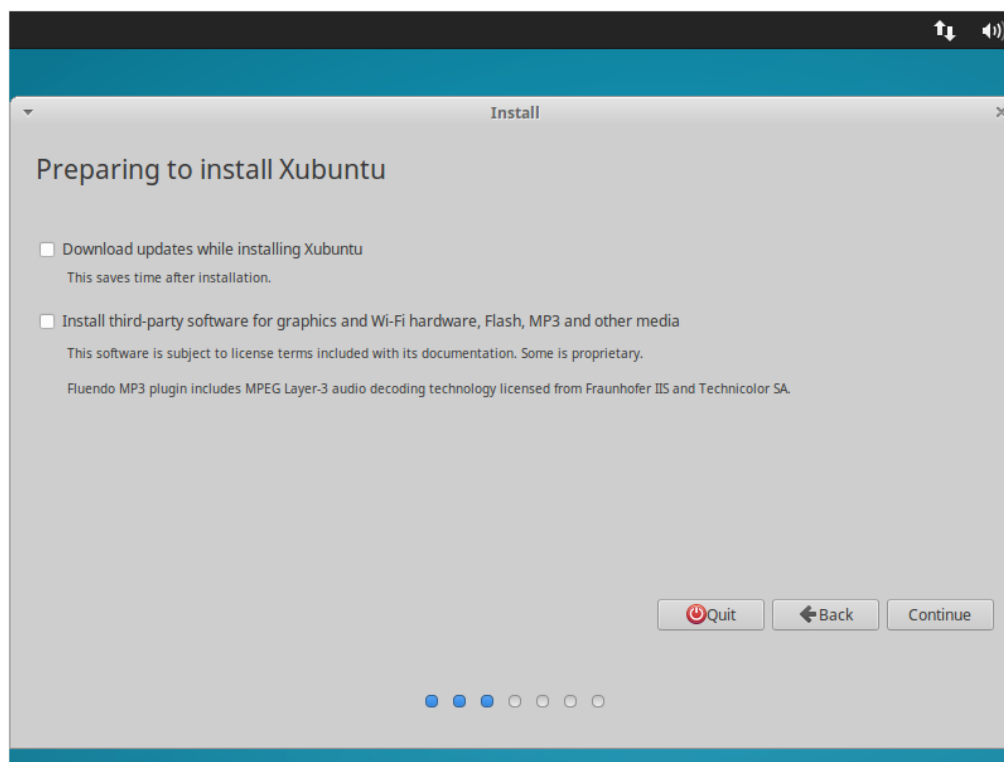
Click on the selector beside the dropbox and choose the downloaded linux operating system on your system.



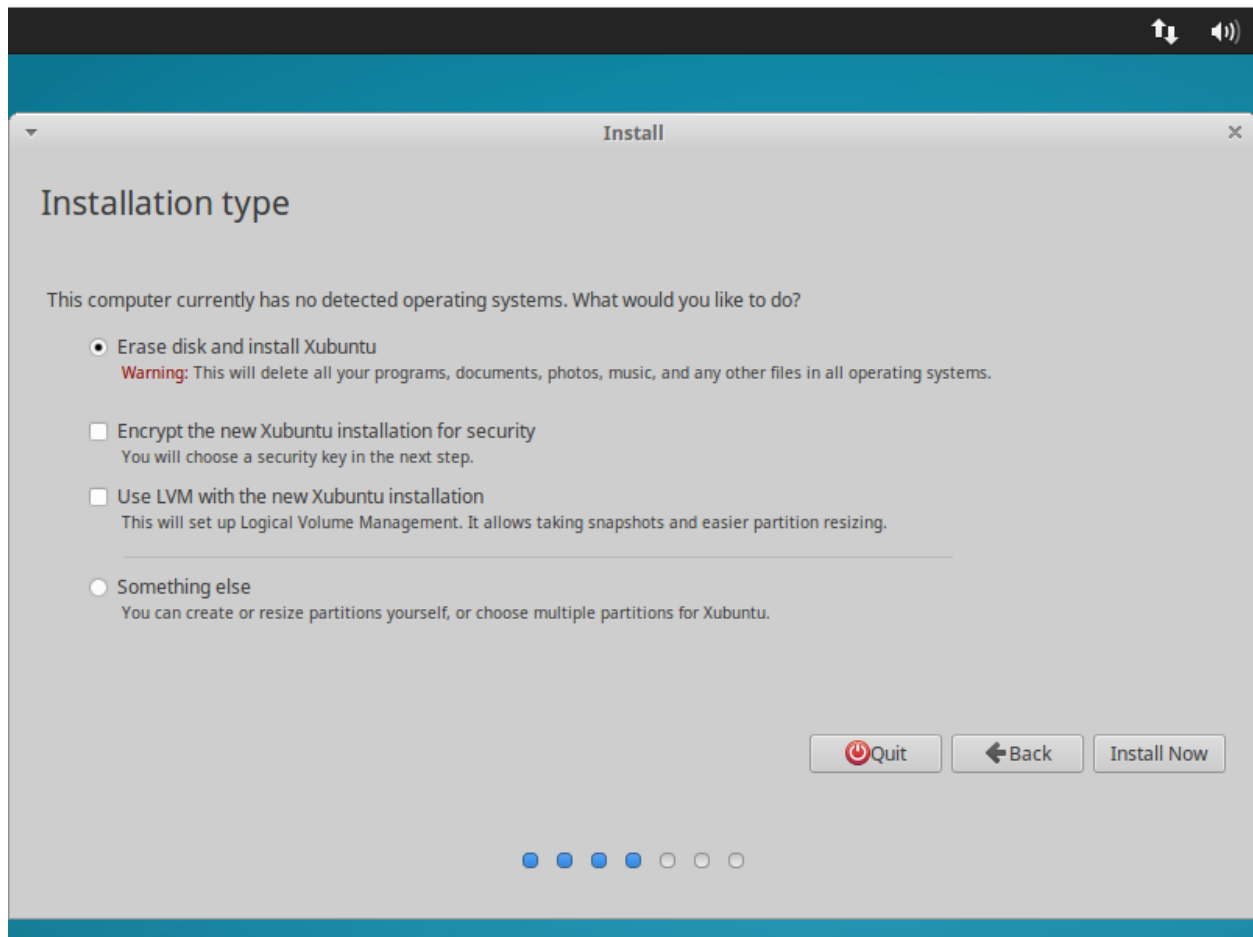
Click on start. If you run into issues, please reboot your system and try again.



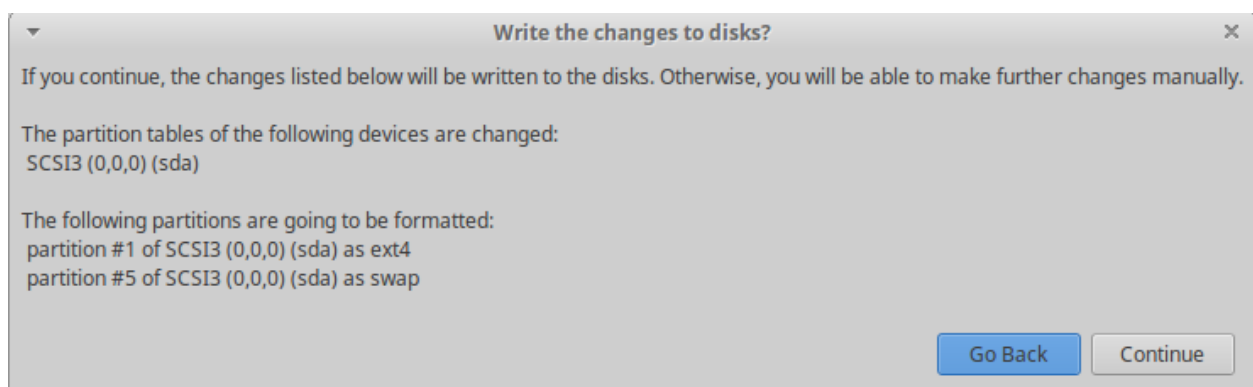
Click on the Install Xubuntu.



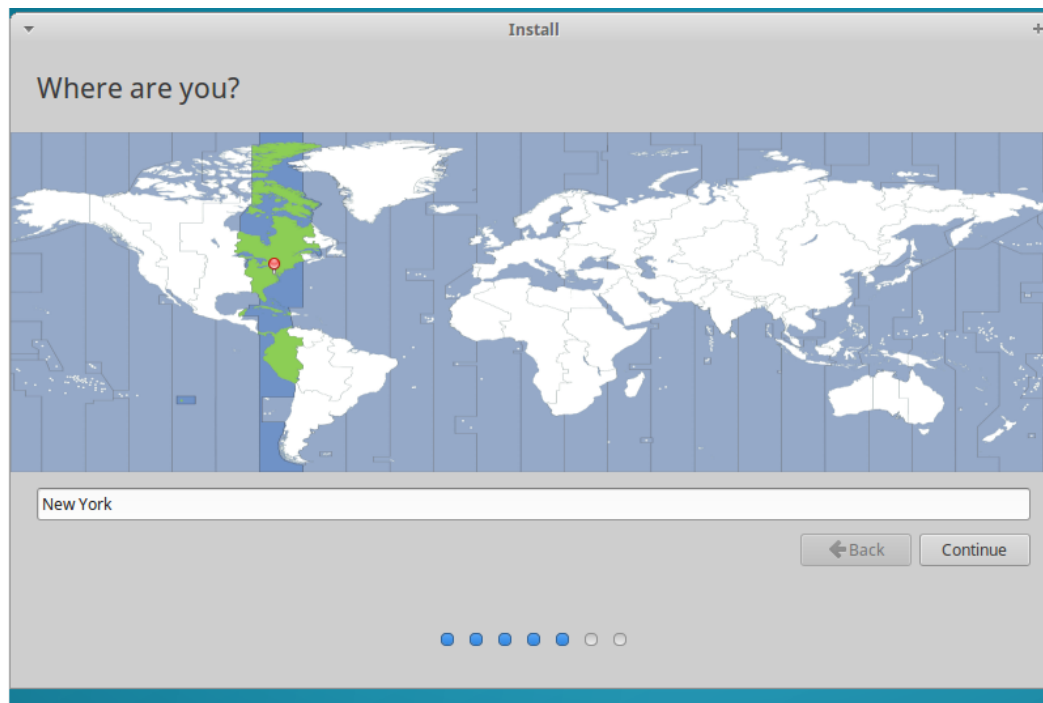
Hit Continue.



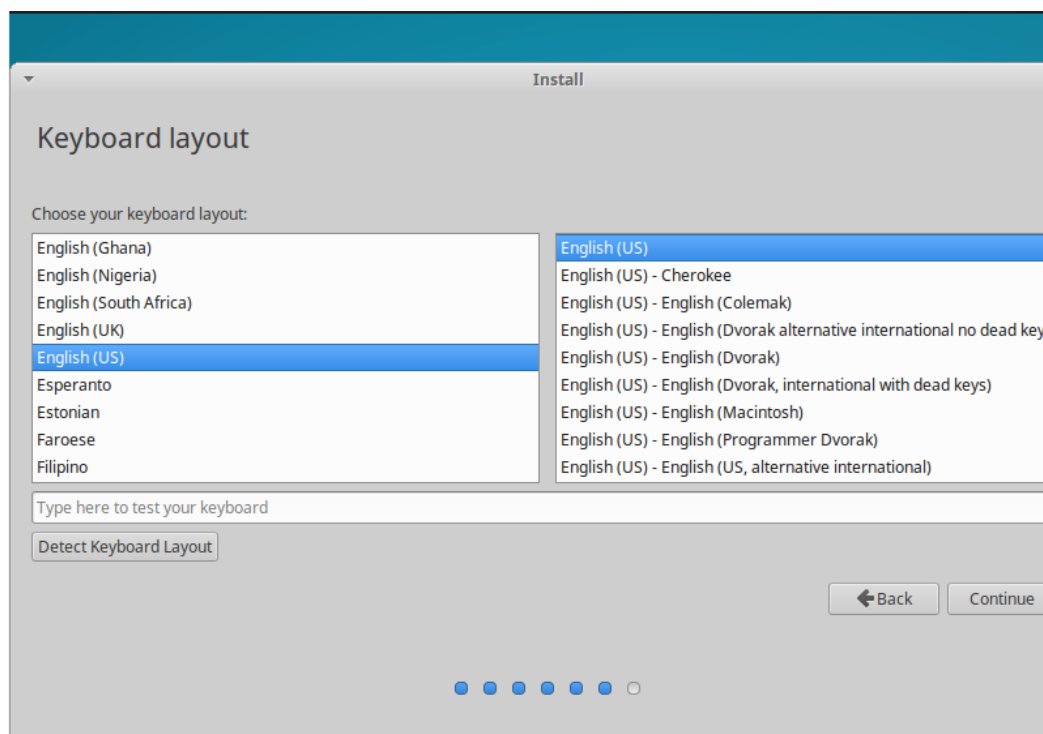
Choose Install Now.



Confirm by selecting continue.



Select Continue



Install

Who are you?

Your name: ✓

Your computer's name: ✓
The name it uses when it talks to other computers.

Pick a username: ✓

Choose a password: Fair password

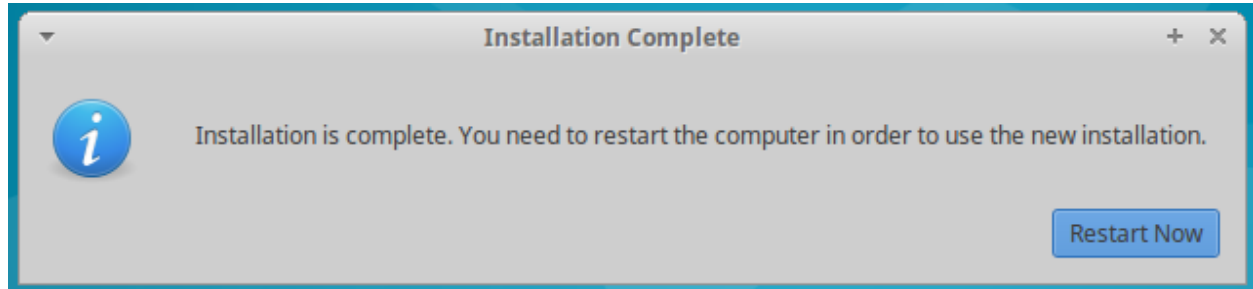
Confirm your password: ✓

☐ Log in automatically
☒ Require my password to log in
☐ Encrypt my home folder

◀ Back Continue

• • • • • • • •

Enter your details and hit continue.



After the installation is done, restart your system.

Once the system reboots, login into the system with your credentials and you are done.