NETWORKING & SYSTEM ADMINISTRATION LAB

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Roll No:54

Batch:3

Date:22/3/2022

Experiment No.: 3

Aim:

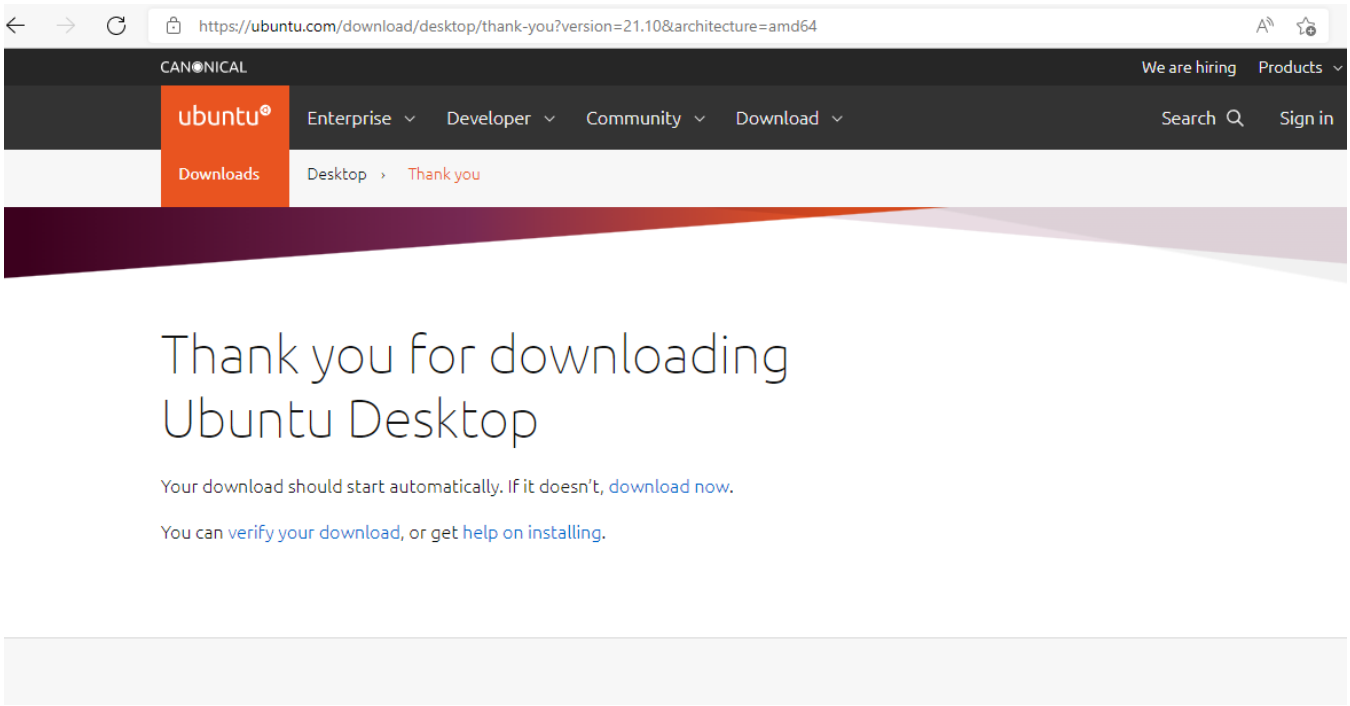
You are given a computer with very low hardware resources. It is to be used as a KIOSK, identify and install a suitable LINUX distribution. You can simulate it in a virtual environment.

Procedure:

Virtual Box is a tool which will enable us to run different operating systems virtually on our host operating system. In this case my host operating system is Windows 10 and I've installed virtual box on my windows 10 OS and then this virtual box will enable me to run different operating systems virtually on my windows 10 OS.

Here are the steps following:-

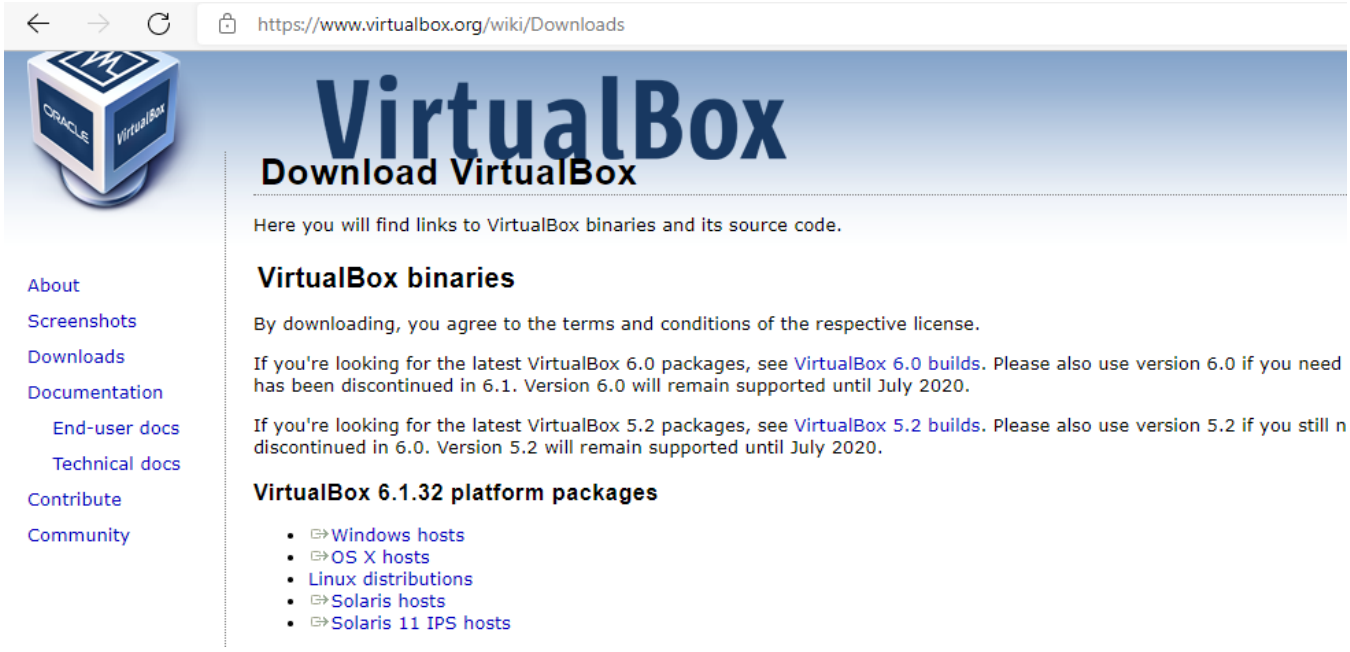
Download Ubuntu latest version for windows



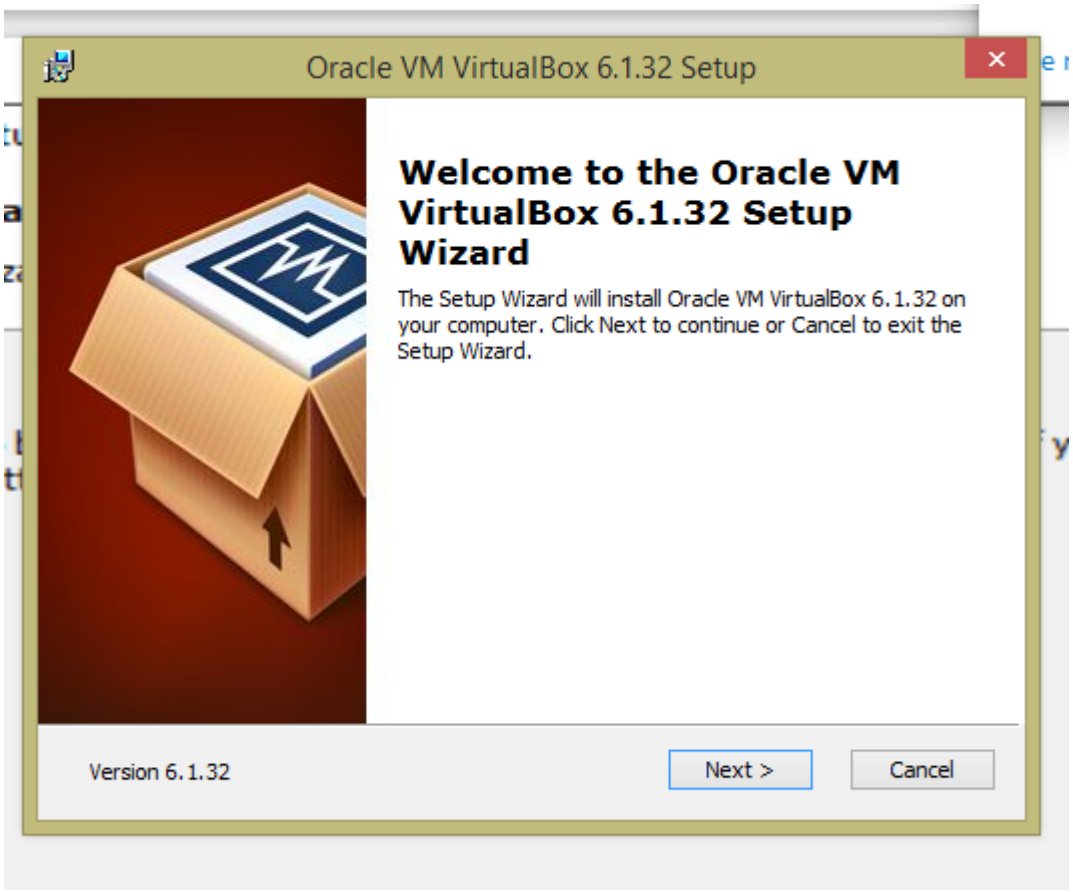
Launch Virtual Machine

Create new virtual machine followed by choosing Ubuntu distribution then choose virtual machine location, Proceed to next.

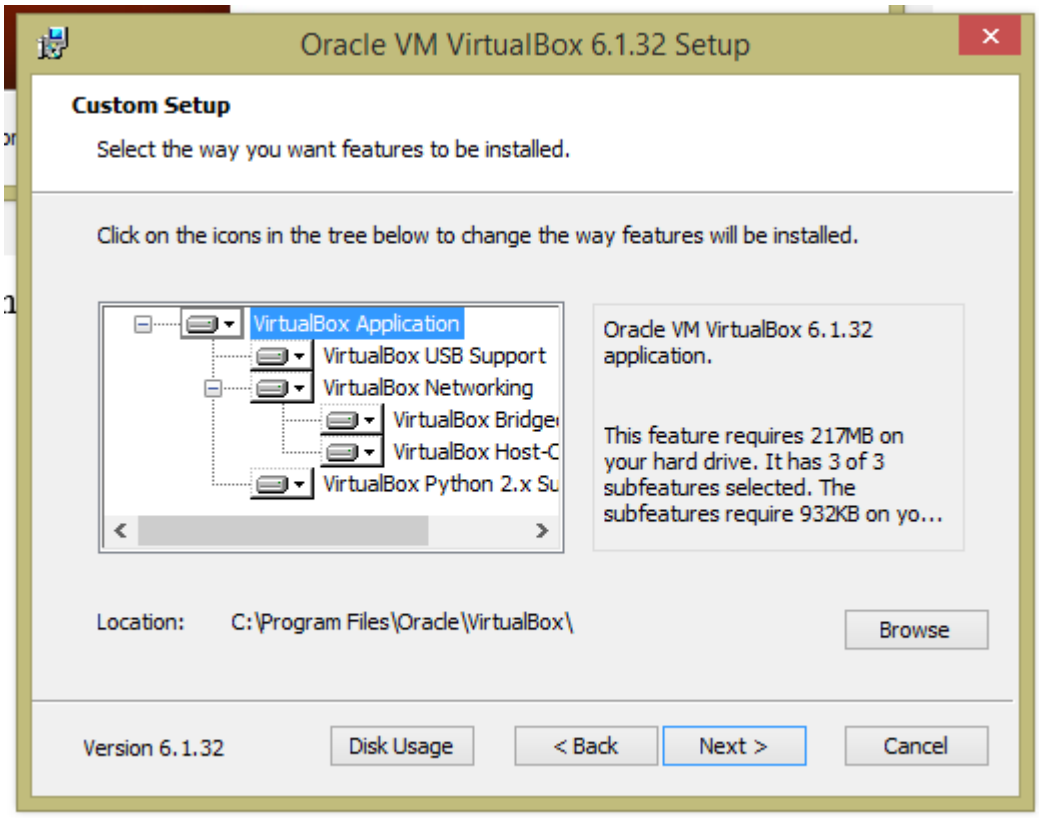
Step 1: Download latest virtual box for windows hosts



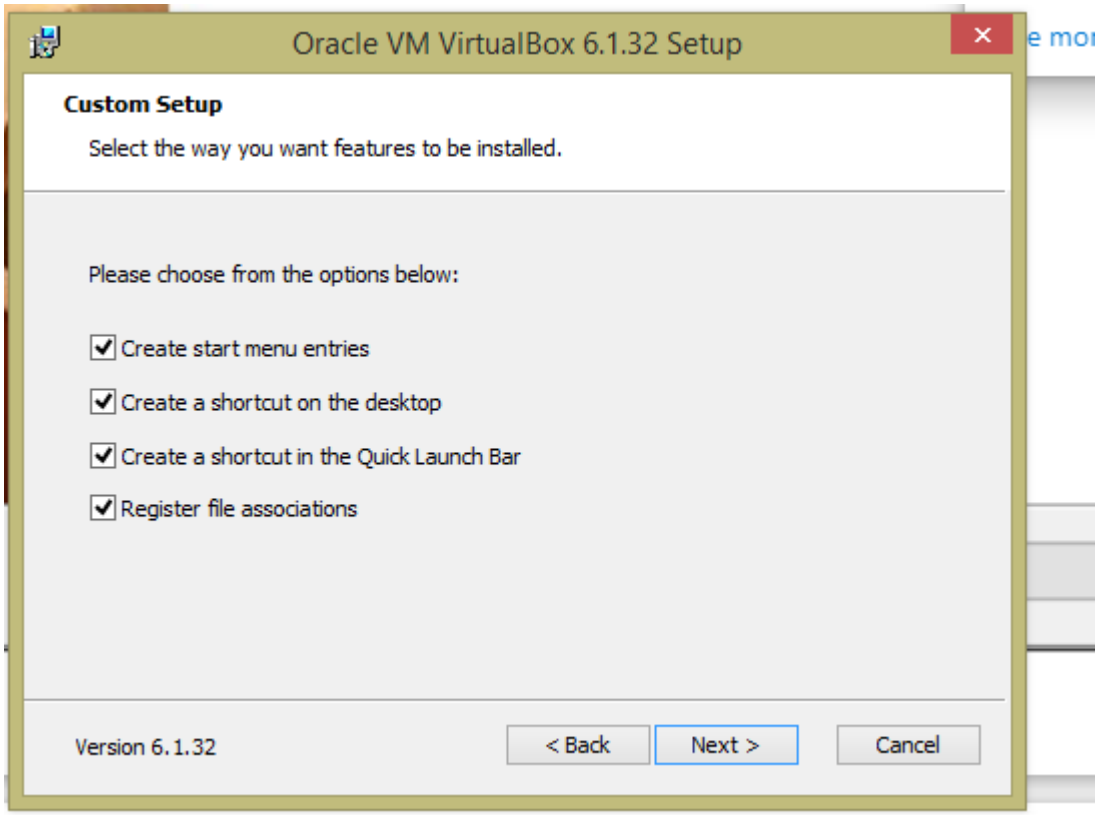
Step 2: Install the downloaded virtual box



Step3: Change the destination of folder if needed

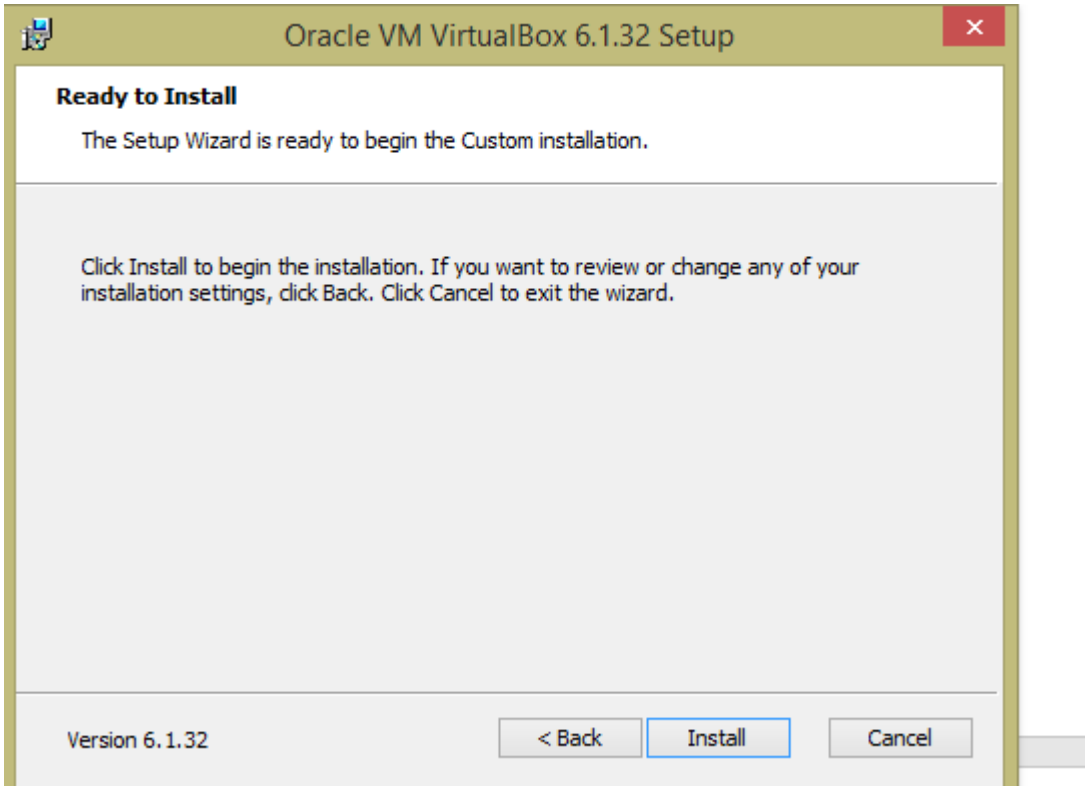


Step 4: Custom setup and proceed to next

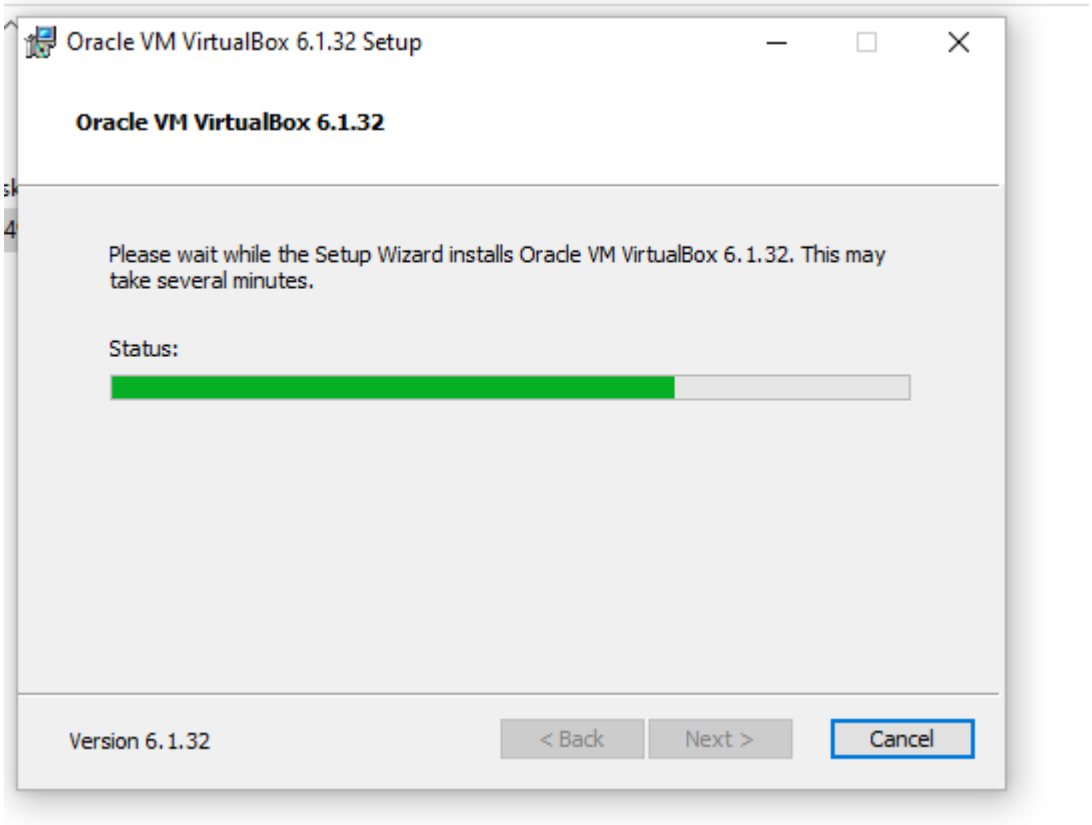


Step 5: Asking to proceed with installation-> click yes

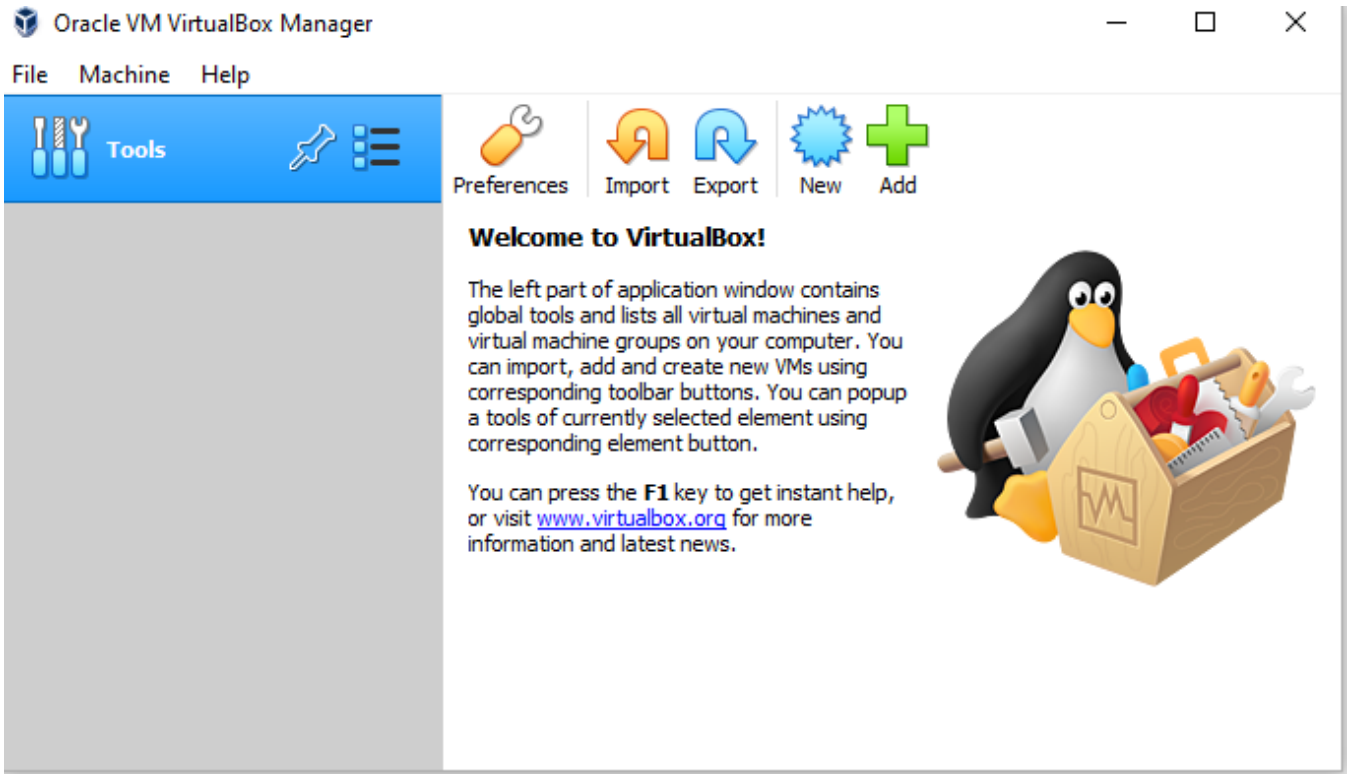
Step 6: Asking for installation->click install



Step 7: Waiting for installation to complete setup

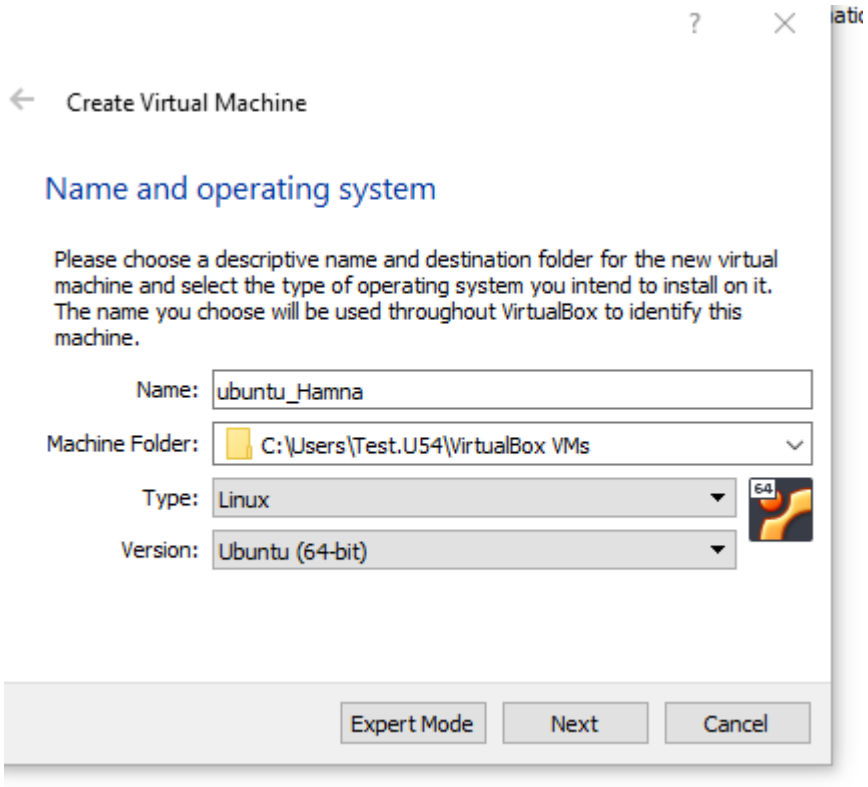


Step 8: Oracle Virtual Box has now opened up-> Click on new to add OS(Ubuntu) to VirtualBox

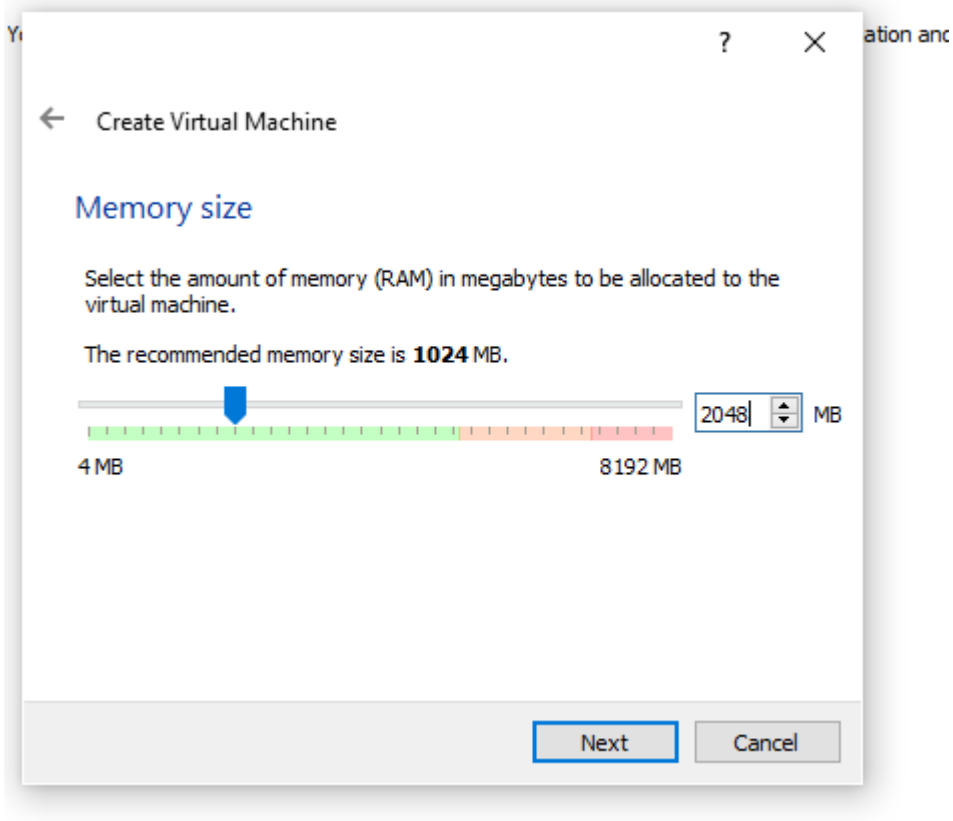


Step 9: Name of the new machine you want to create

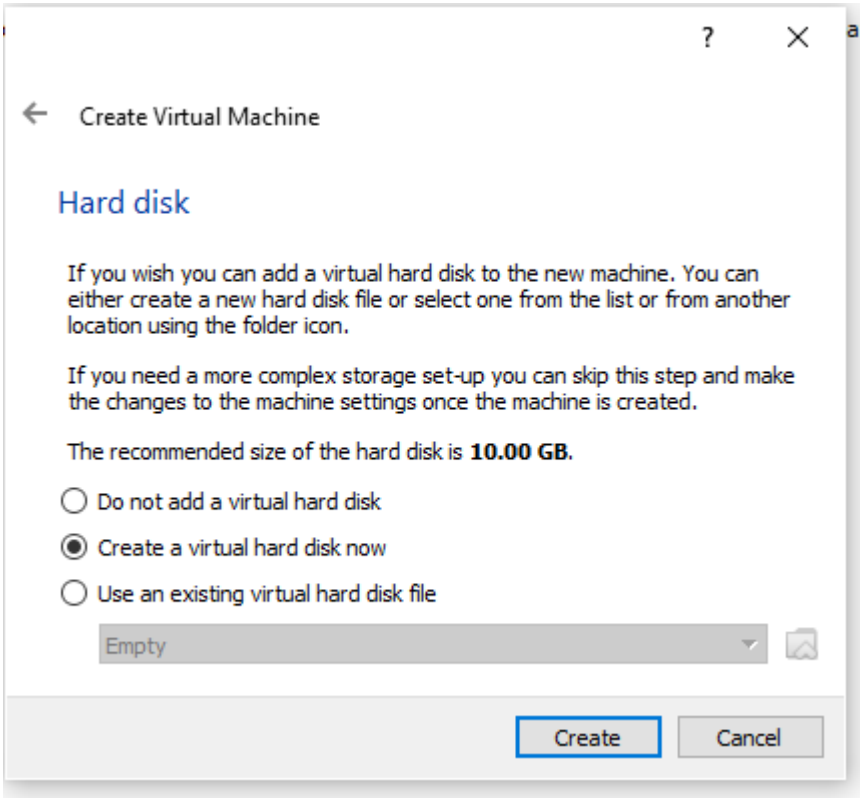
In Machine Folder, all the virtual box related files will be downloaded and saved on your windows operating system. Type is LINUX and version Ubuntu (64-bit).



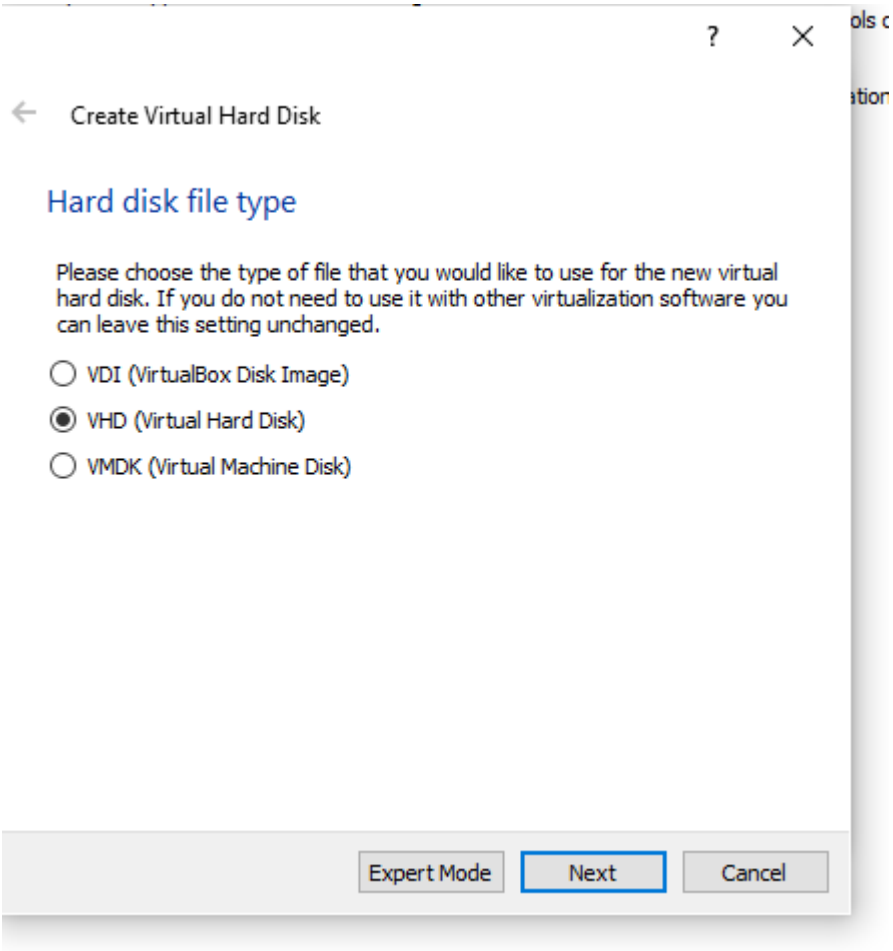
Step 10: Allocate memory size from 1024 MB to 2048 MB



Step 11: Here nothing we're changing, click create

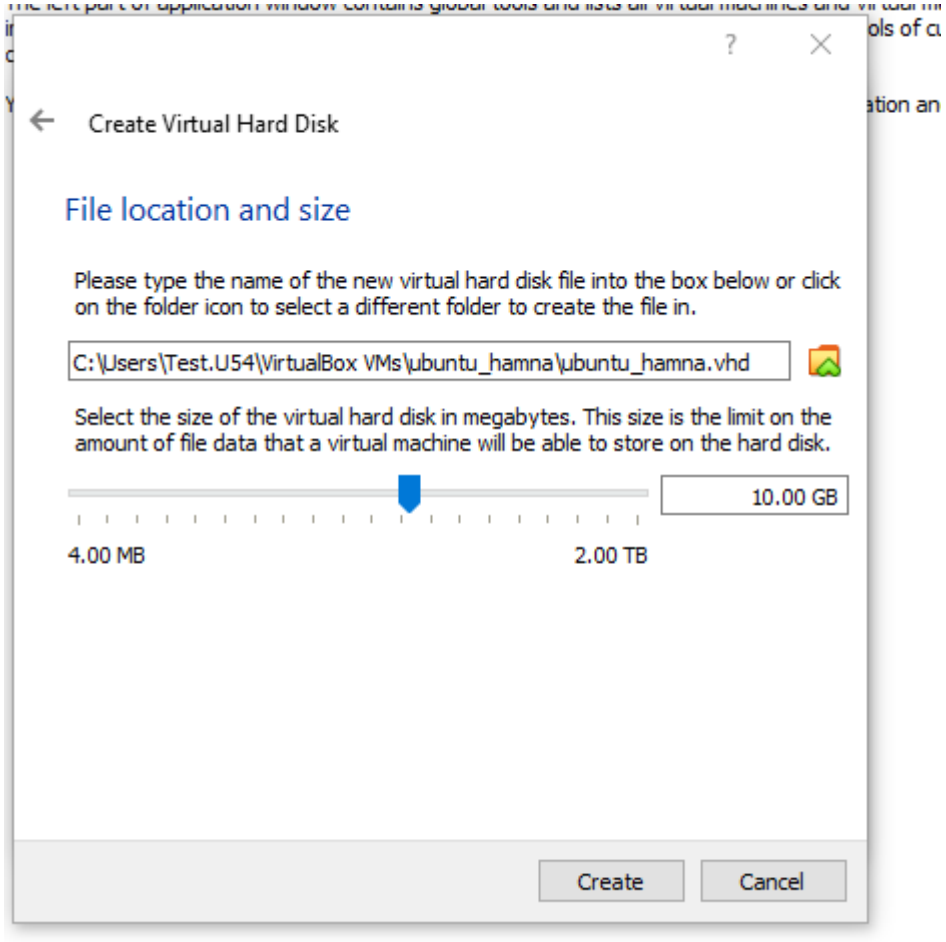


Step 12: choose VHD(Virtual Hard Disk) -> Next

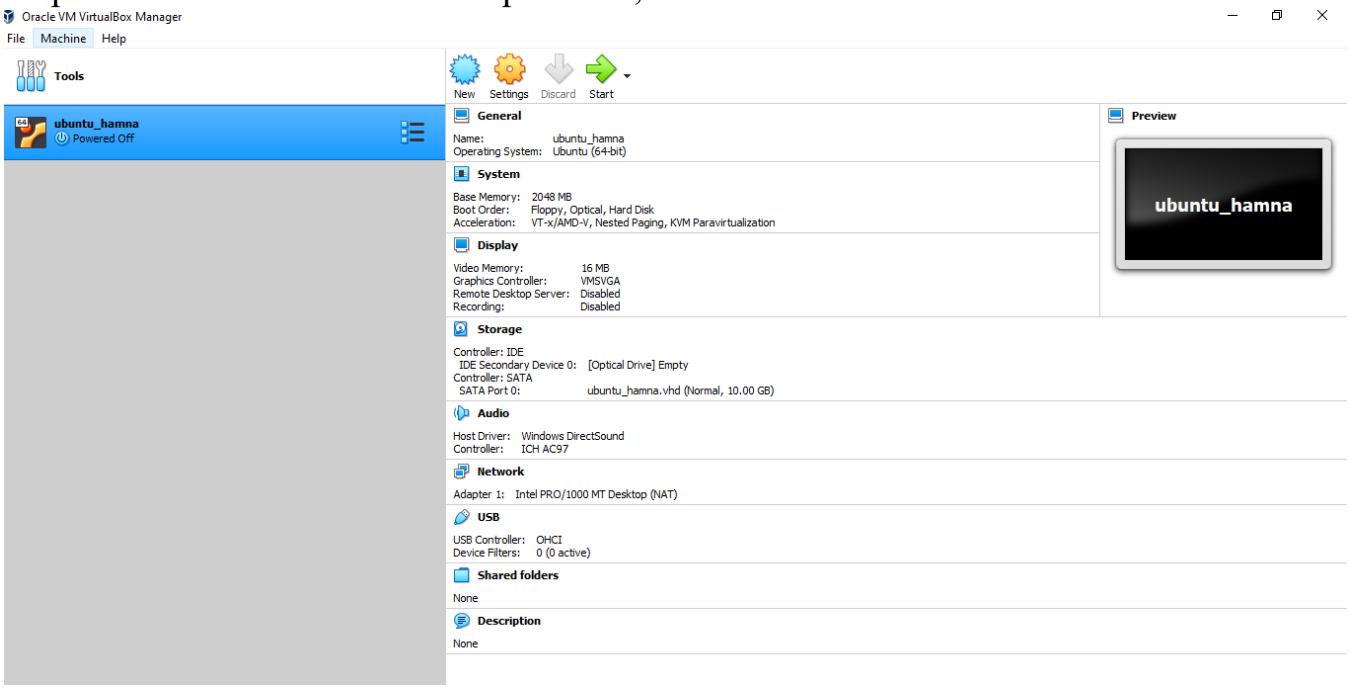


Step 13: Dynamically allocated

Step 14: Choose file location. It remains by default and making no changes.

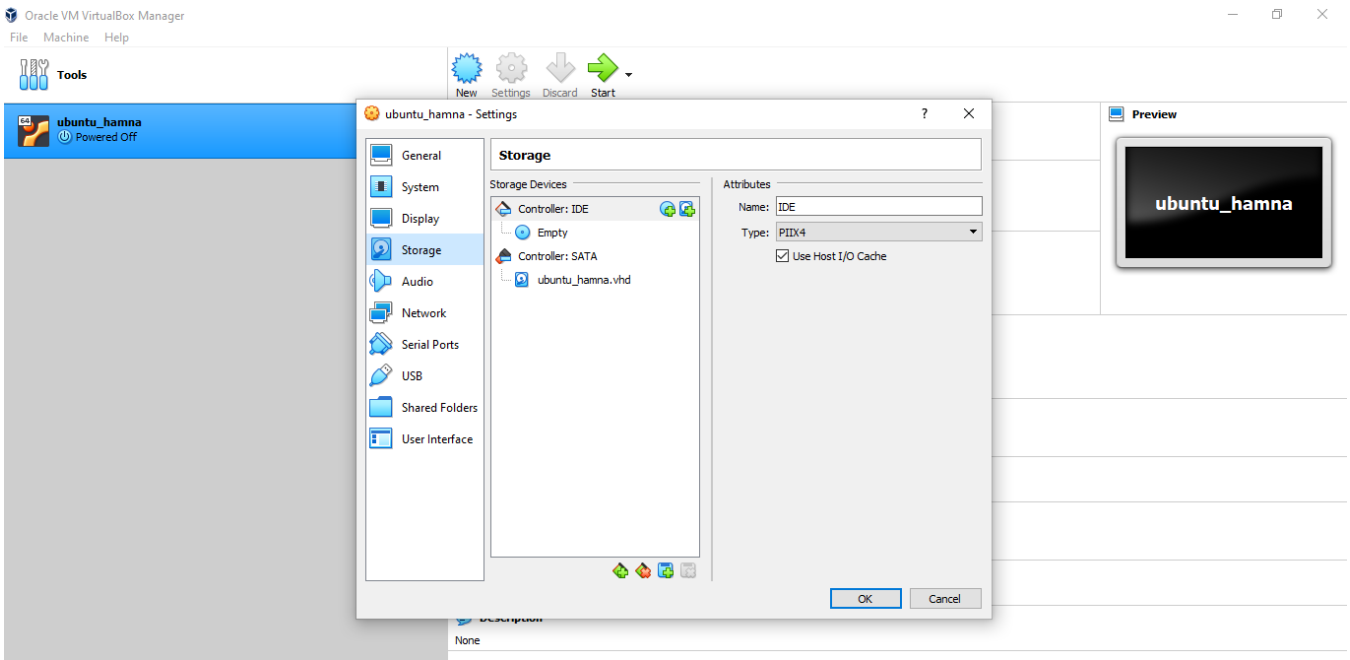


Step 15: Once the above steps done, we'll be able to see the new machine.

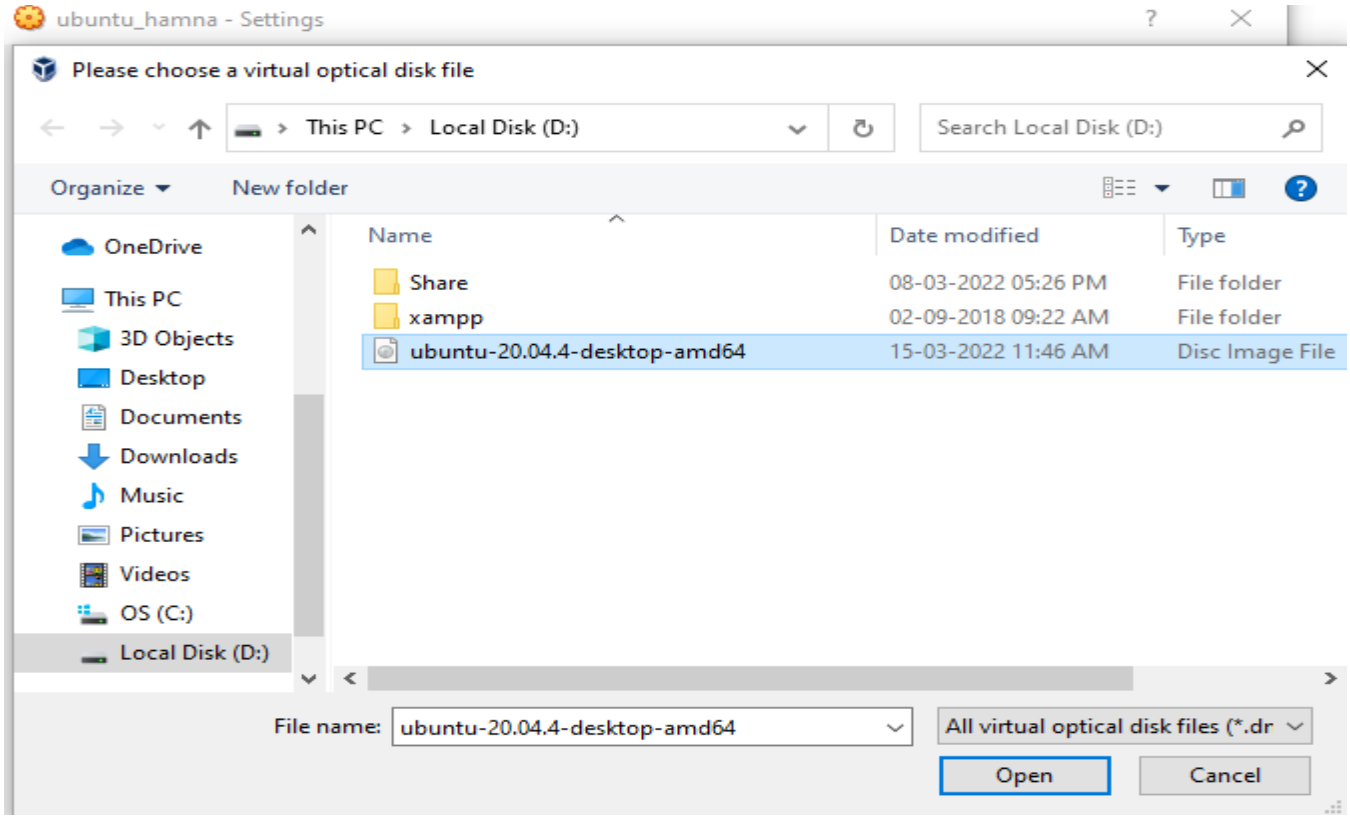


Step 16: Select the new machine being created and then click on the settings option. On settings click on storage.

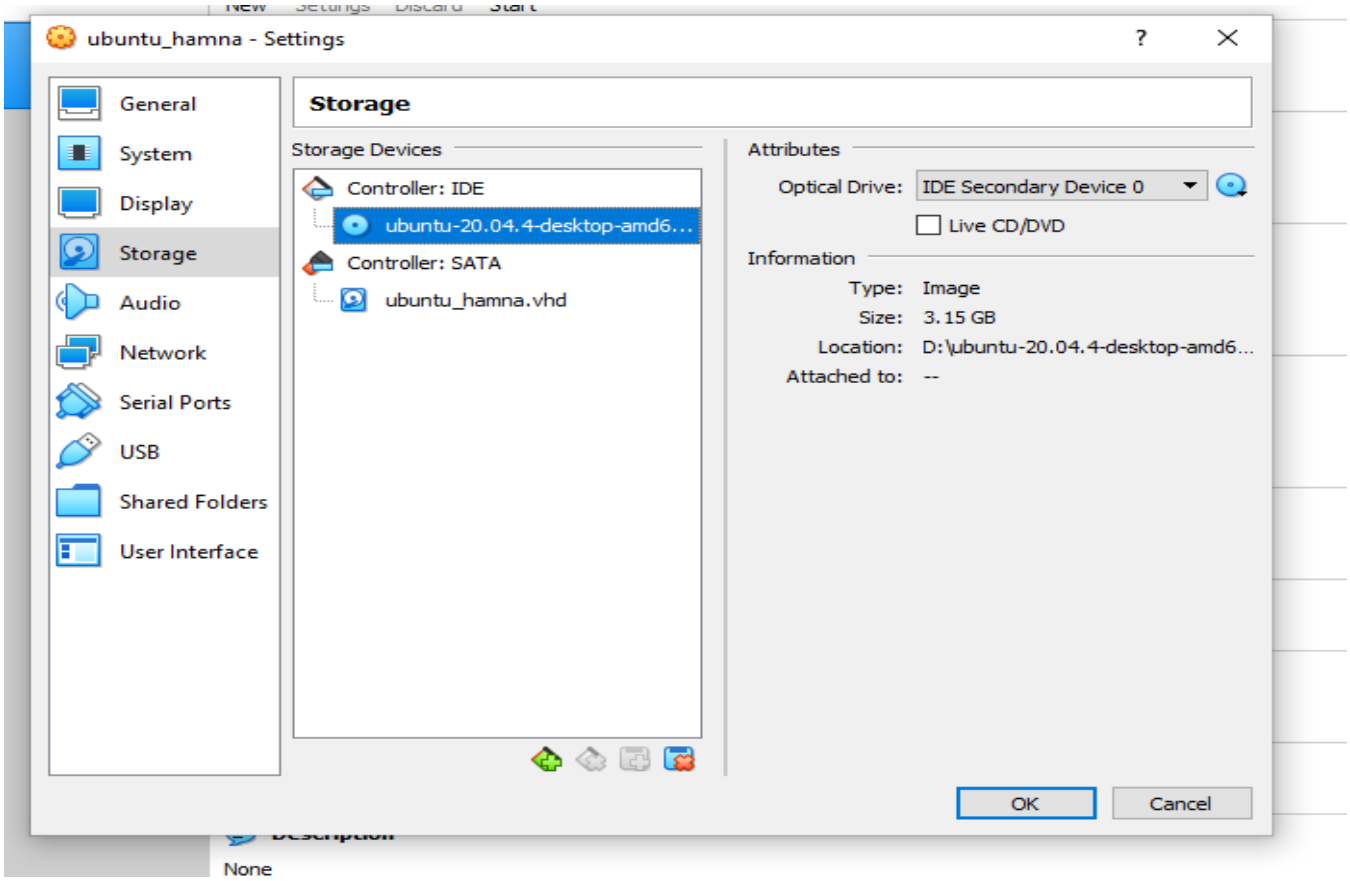
Click on Empty disk under Controller:IDE – choose iso image file of Ubuntu then Disk image on right side(Optical drive option)



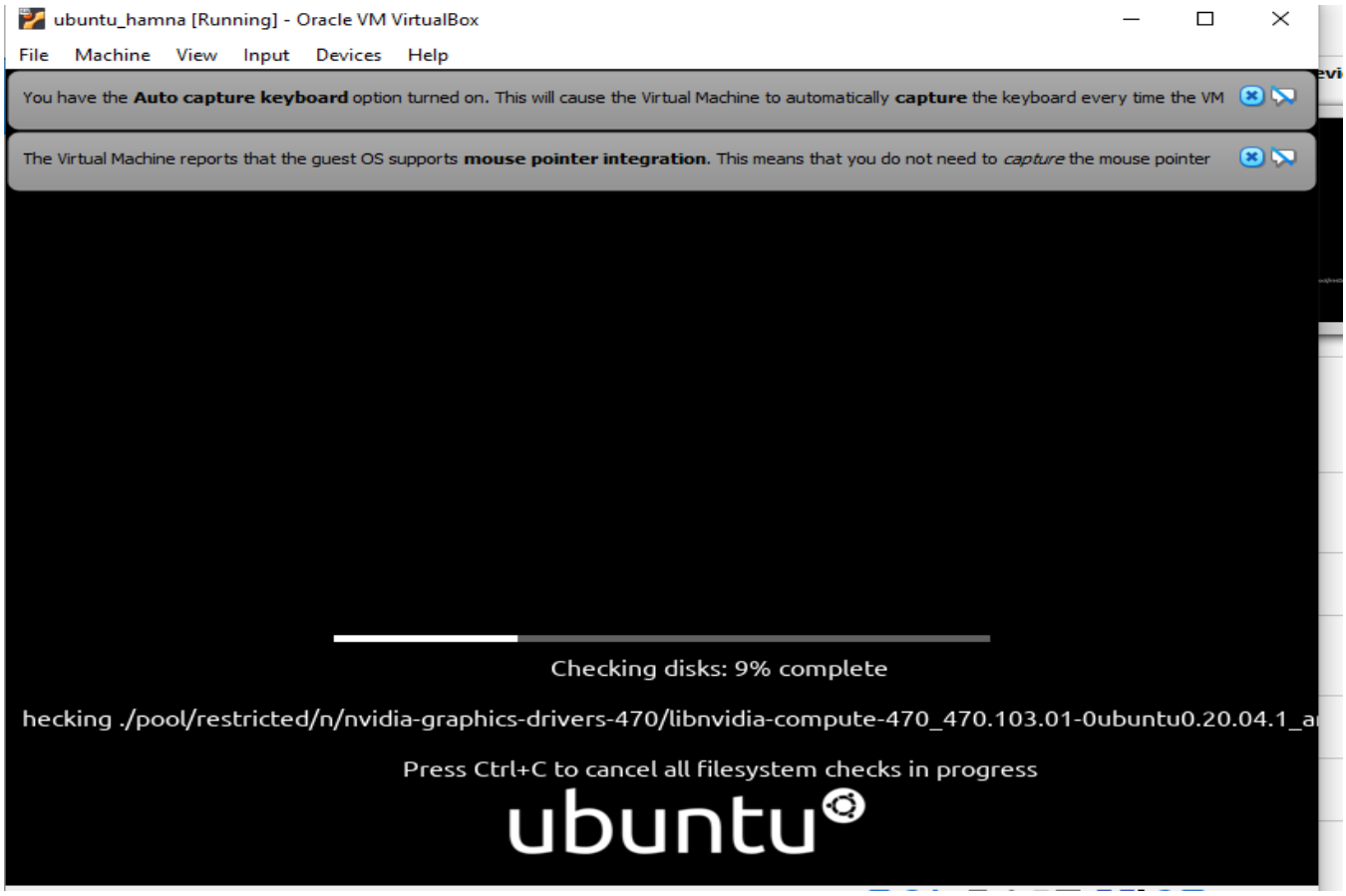
Step 15: Browse to the location where you've downloaded the Ubuntu iso image file



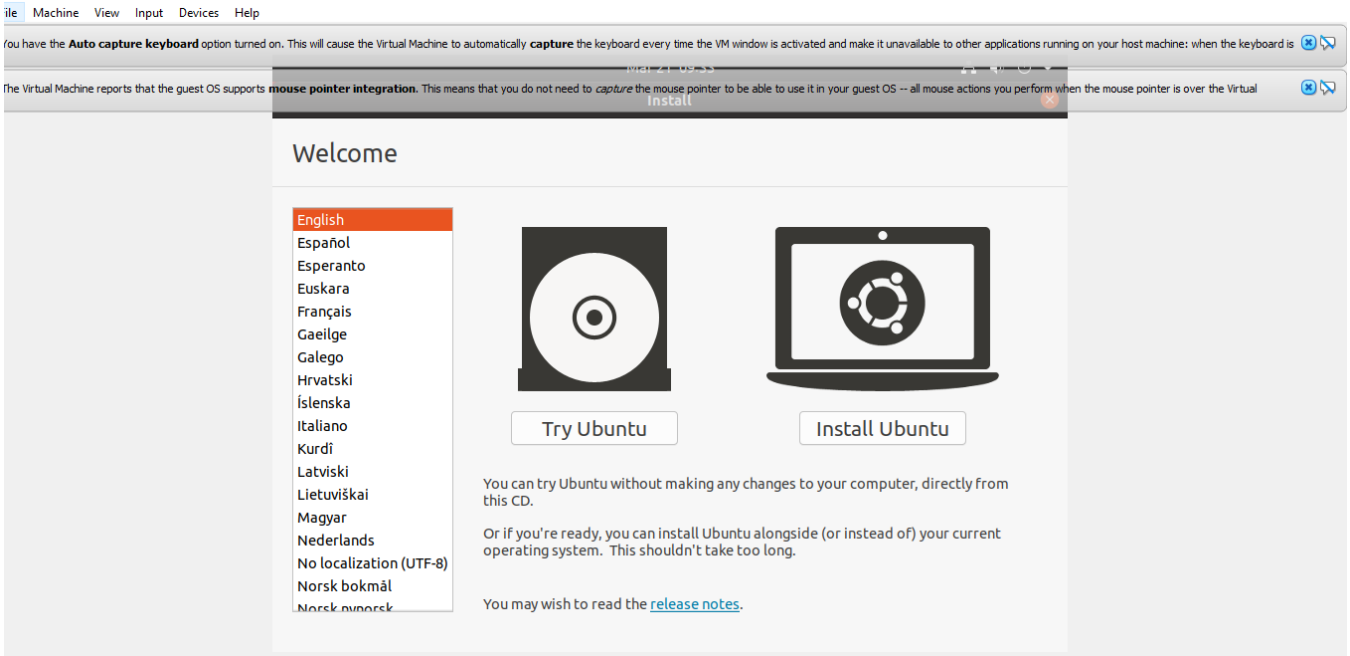
Step 16: Open the Ubuntu iso file. Now the name of the Ubuntu iso file is visible->OK



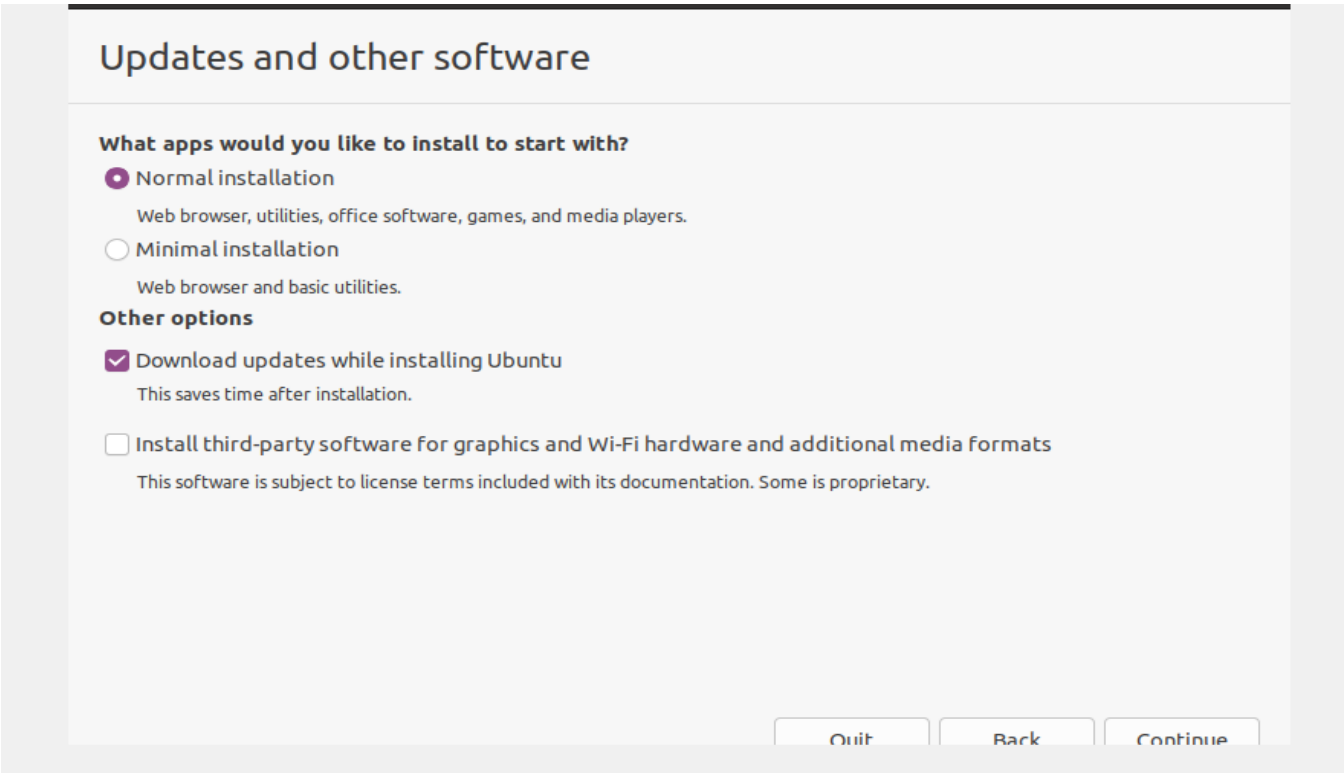
Step 17: Setup is complete and on clicking Start we get:-



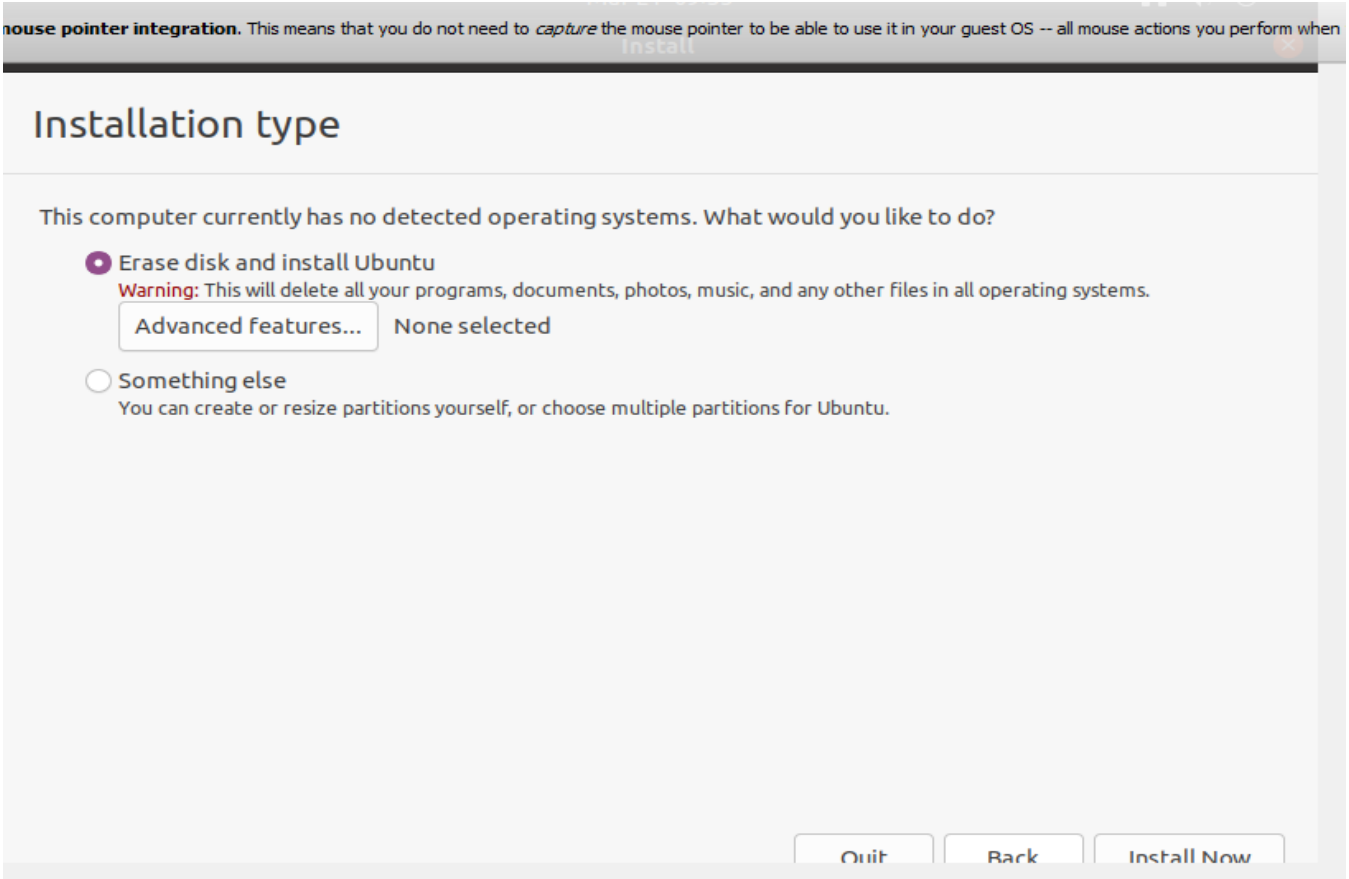
Step 18: Click on Install Ubuntu



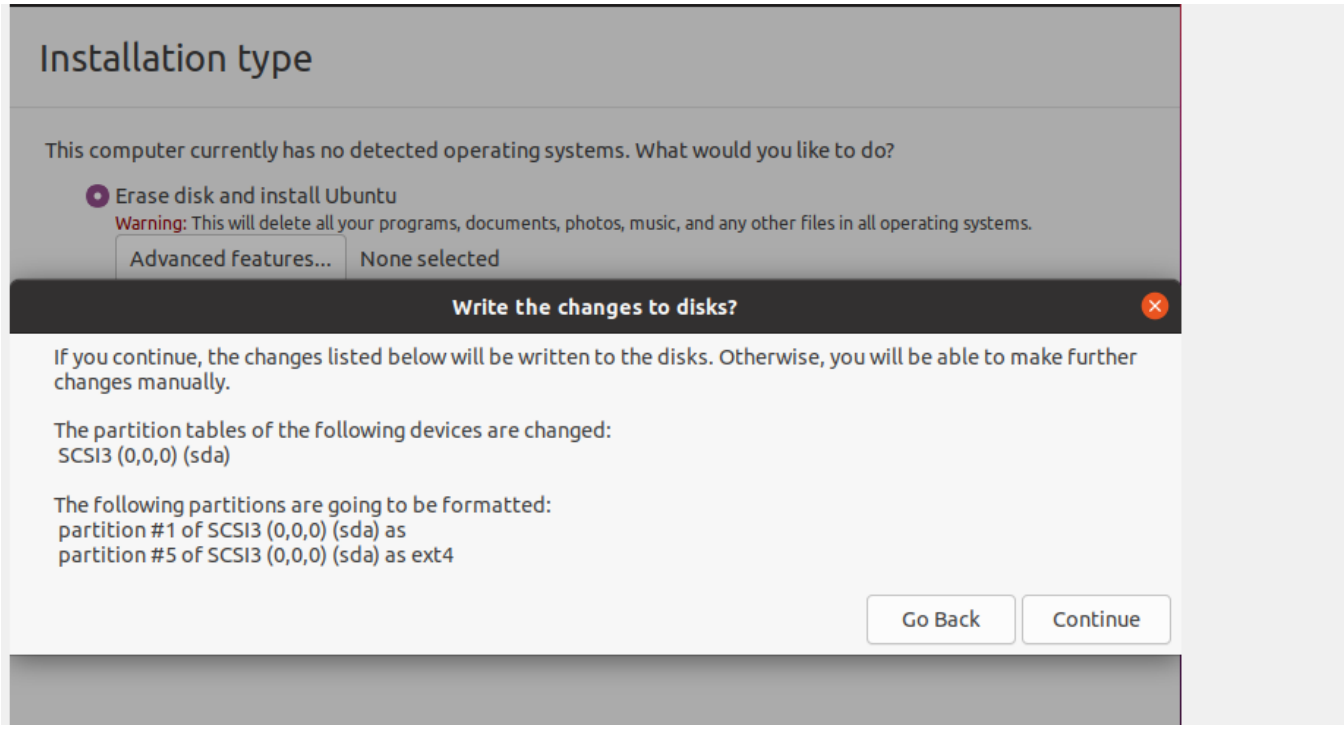
Step 19: Keyboard layout chosen to be English(US) and by default we leave it as it is and click Continue



Step 20: We're making no changes here and click on Install now

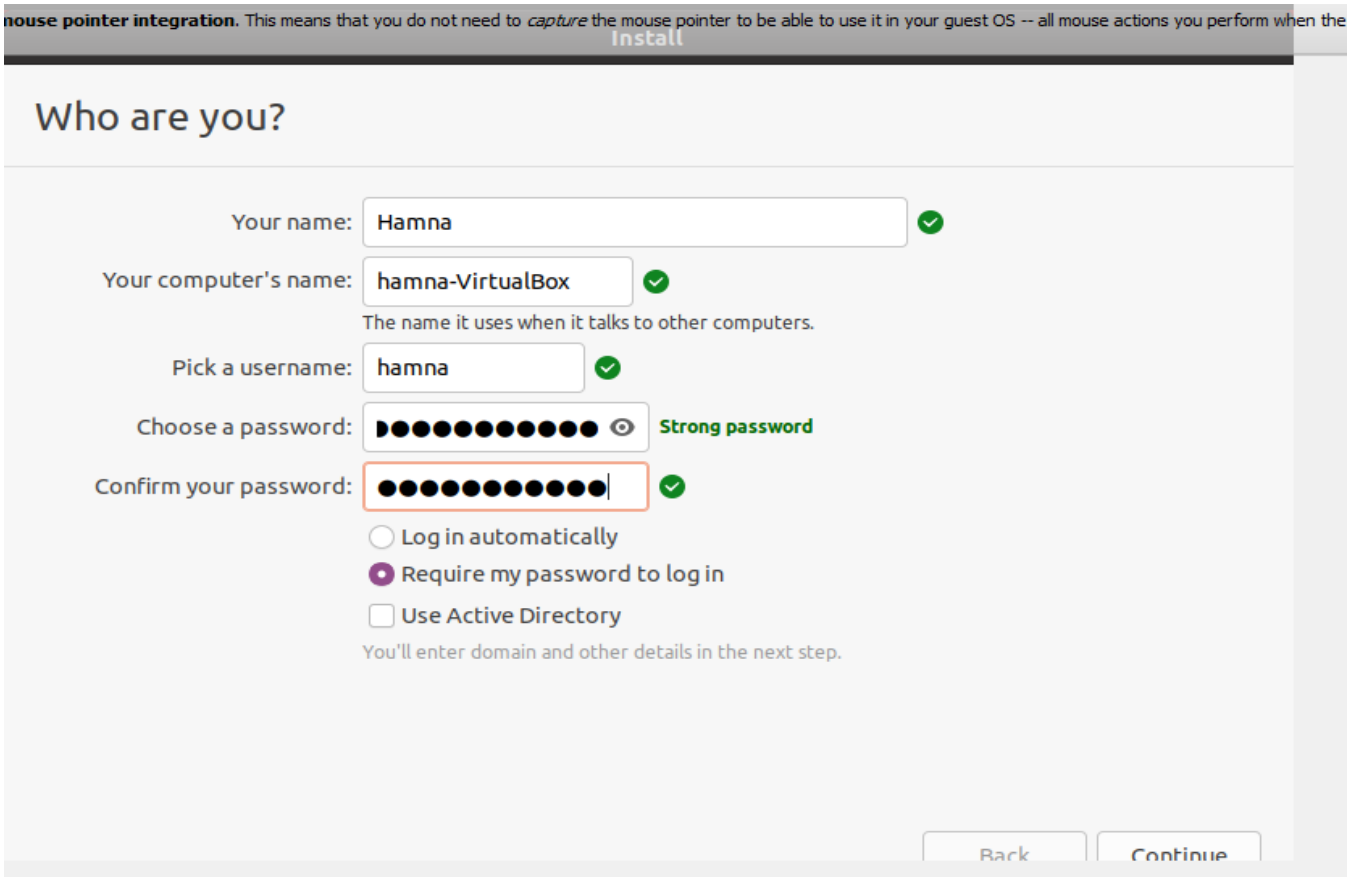


Step 21: Click continue

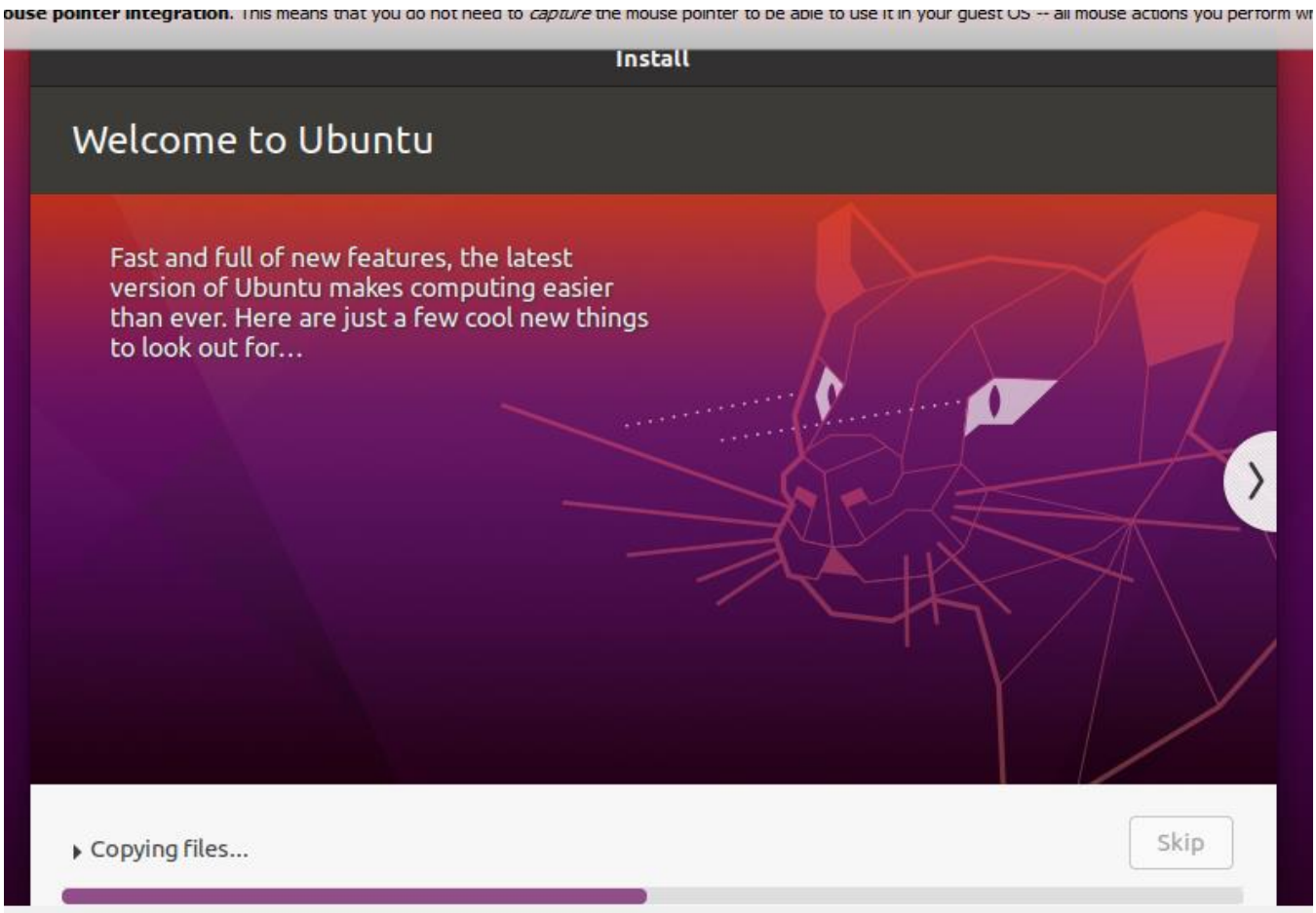


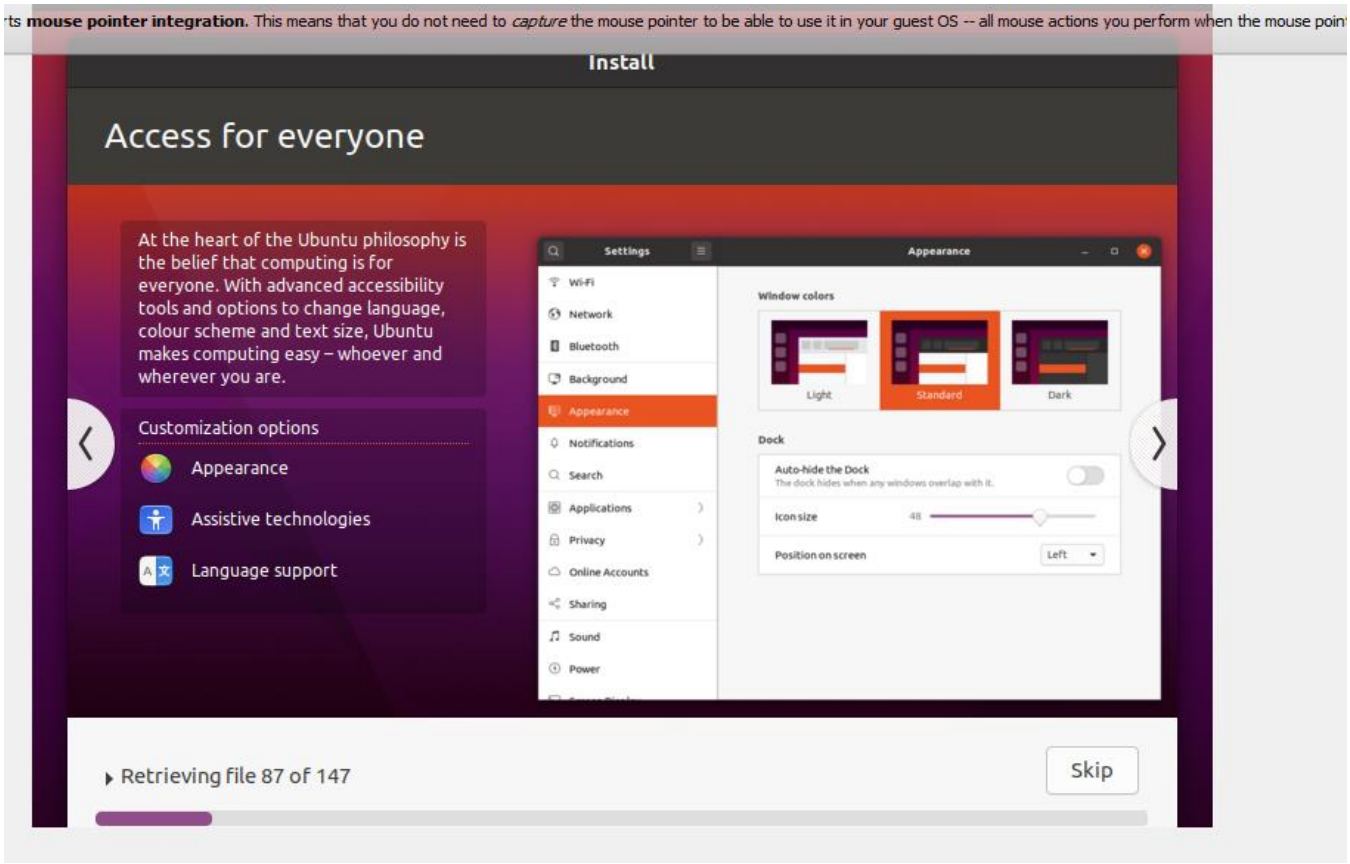
Step 22: Choose your location and click on continue

Step 23: Write name, computer's name, pick username and confirm password->Continue

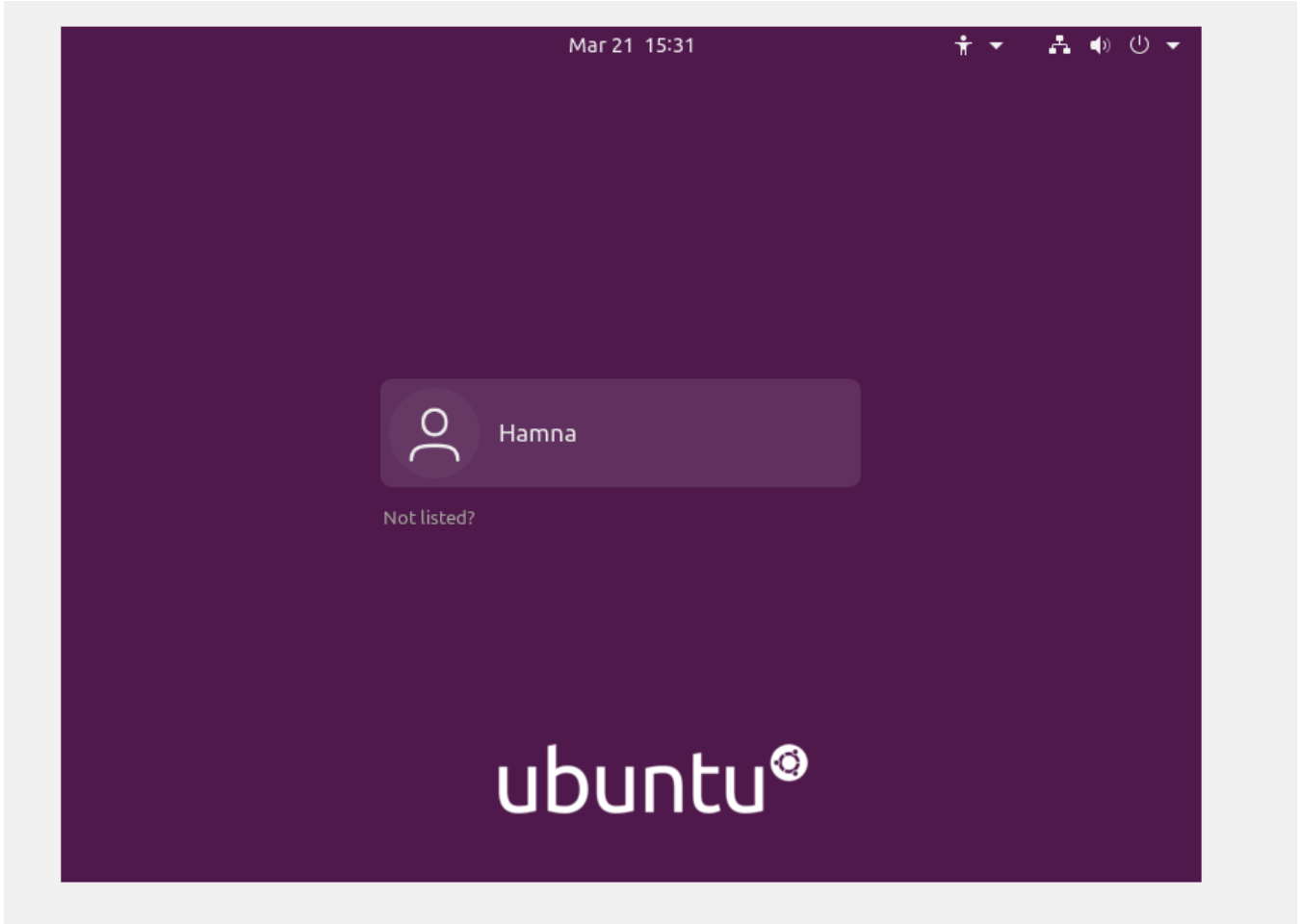


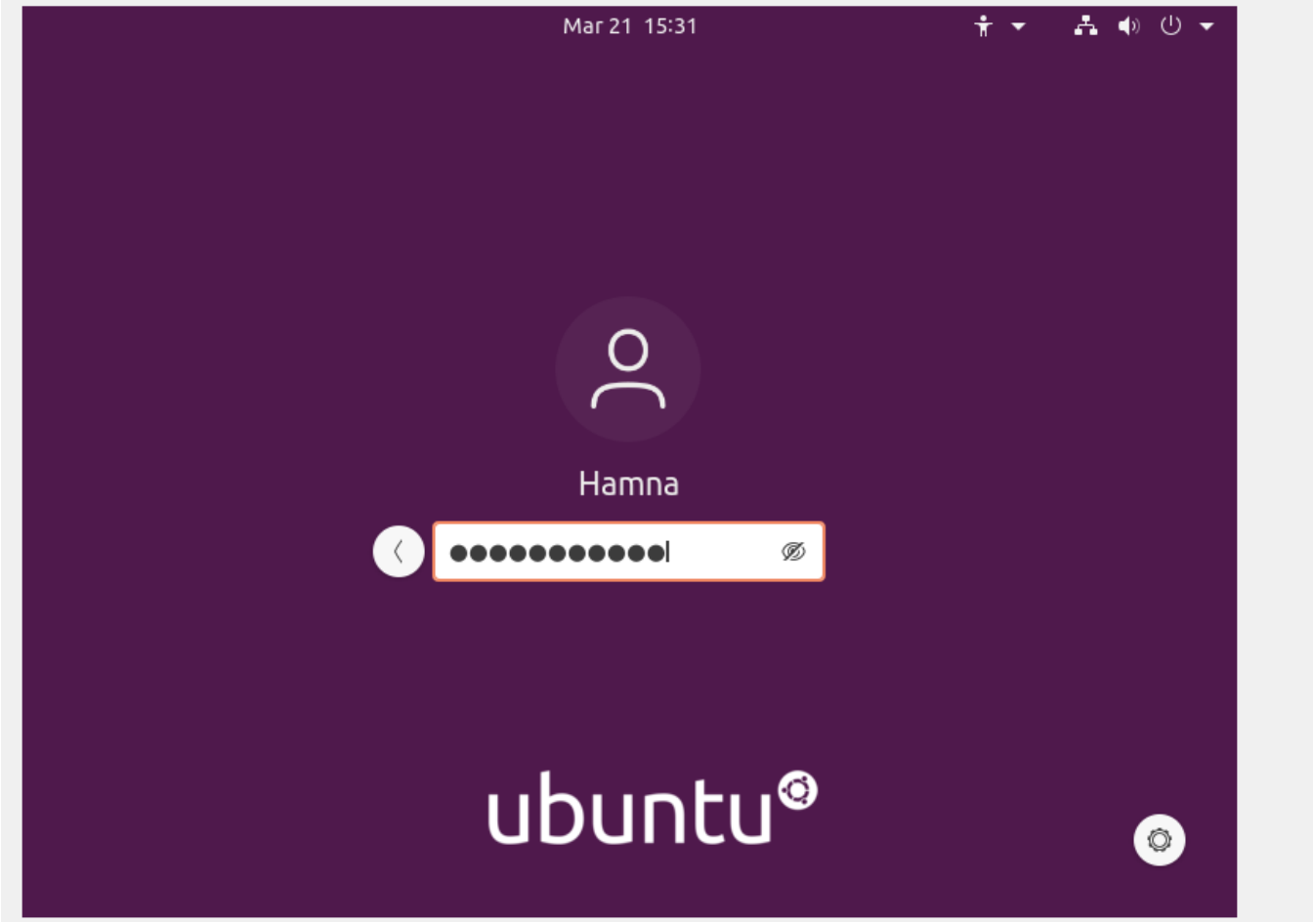
Step 24: Now installation of Ubuntu will start on your virtual box

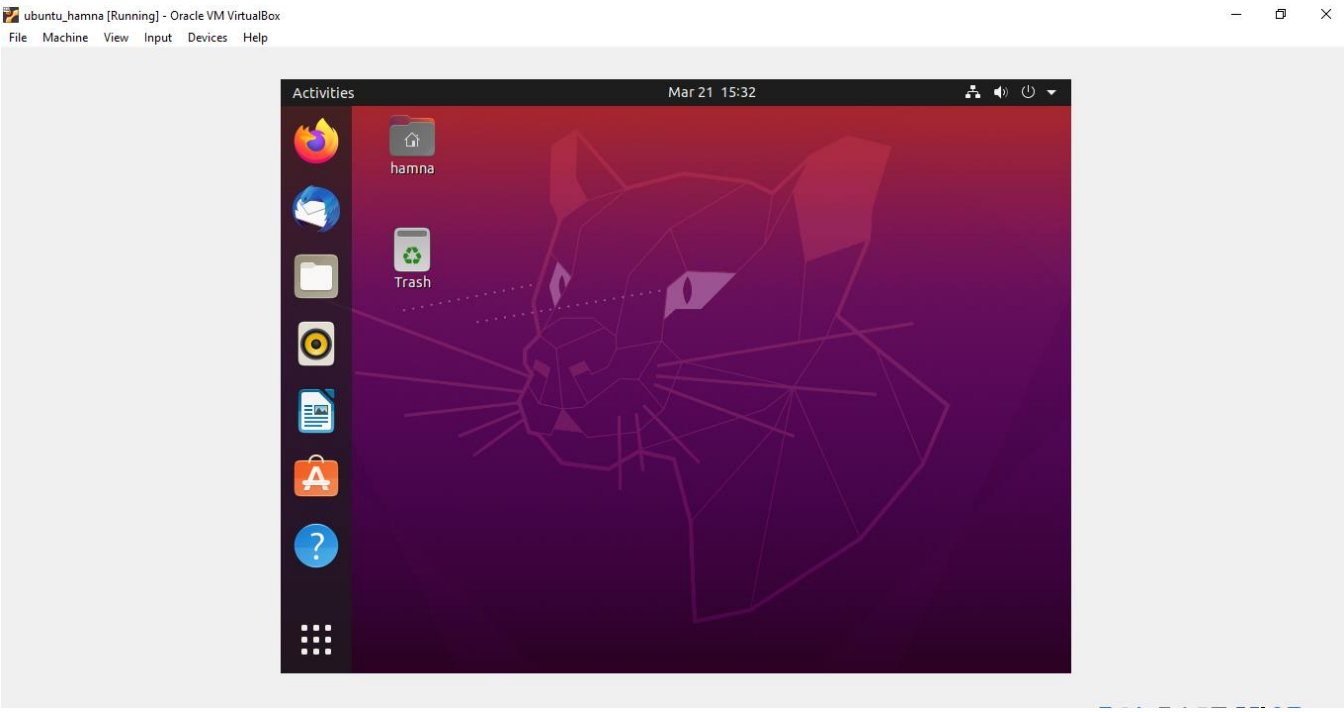




Step 25: Restart and Login window visible, now provide password







INSTALLATION COMPLETE!!!