Ex. No: 1	Install Virtualbox/VMware/ Equivalent open source cloud
Date:	Workstation with different flavours of Linux or Windows OS on top of windows 8 and above.

AIM:

Find procedure to Install Virtualbox/VMware Workstation with different flavours of linux orwindows OS on top of windows7 or 8.

PROCEDURE:

STEPS TO DOWNLOAD AND INSTALL VIRTUALBOX
To download the VirtualBox, follow the instructions below.

Step 1
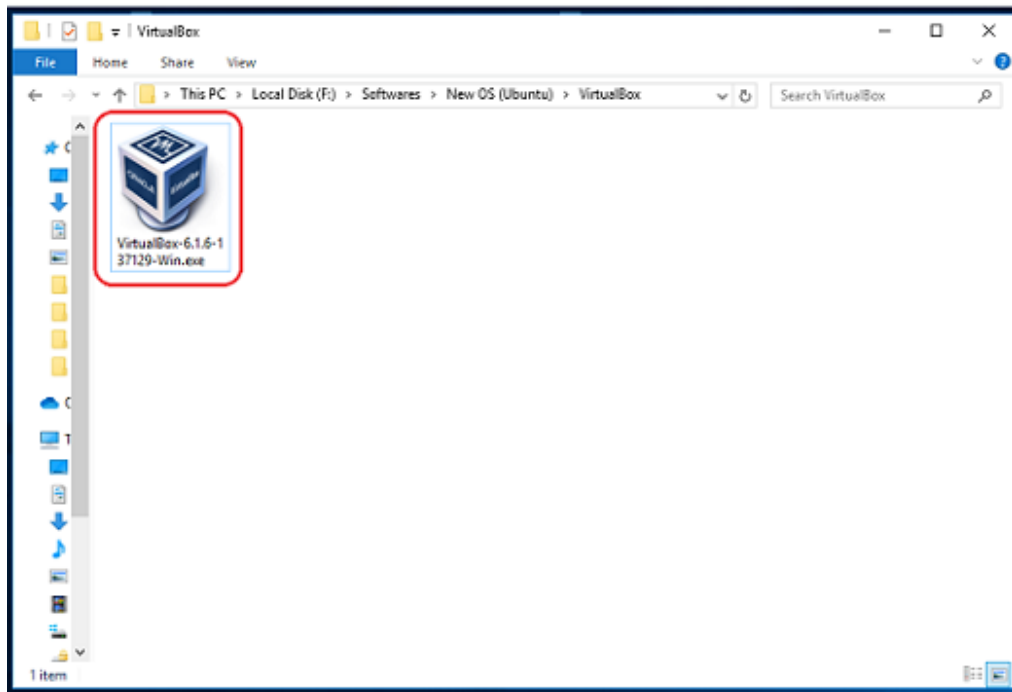To download the latest version of VirtualBox, visit the official VirtualBox website in your web browser.
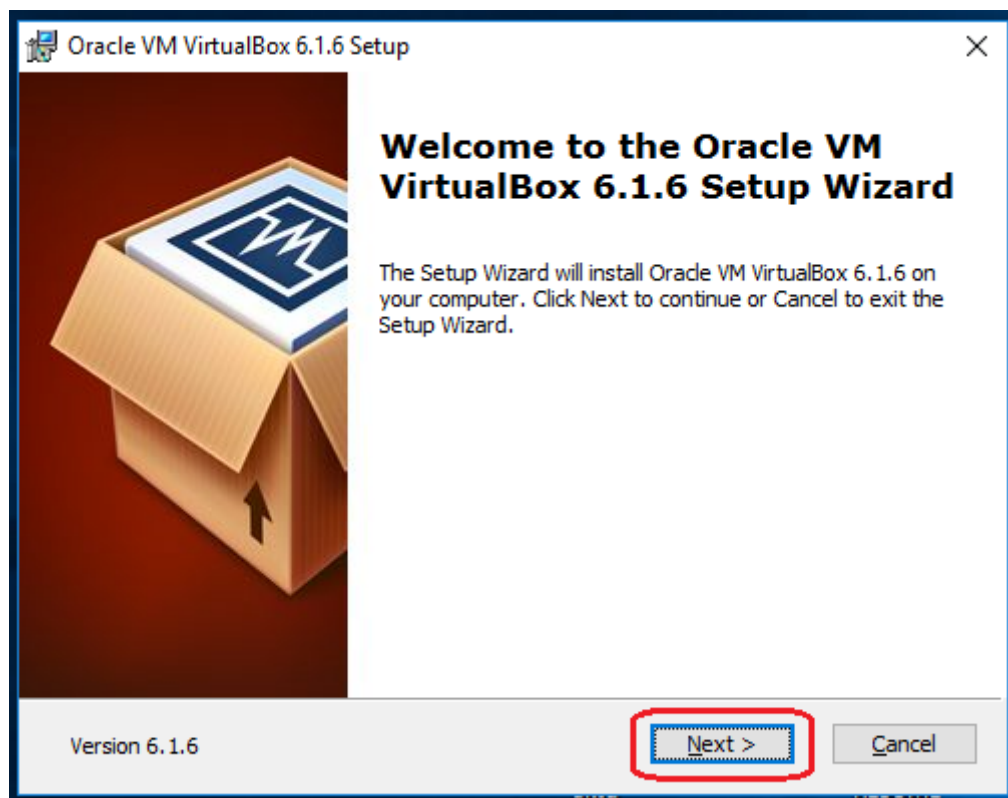
Step 2
Now, download the VirtualBox from here.

Step 3
Navigate the folder where you have downloaded your VirtualBox and double-click on the downloaded "VirtualBox" file to run it.
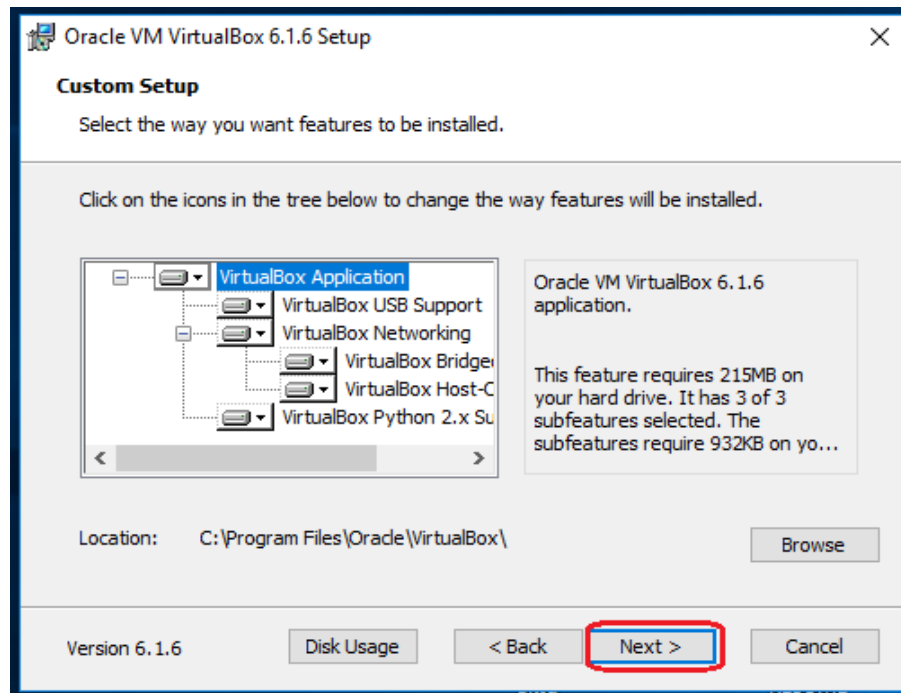
Step 4

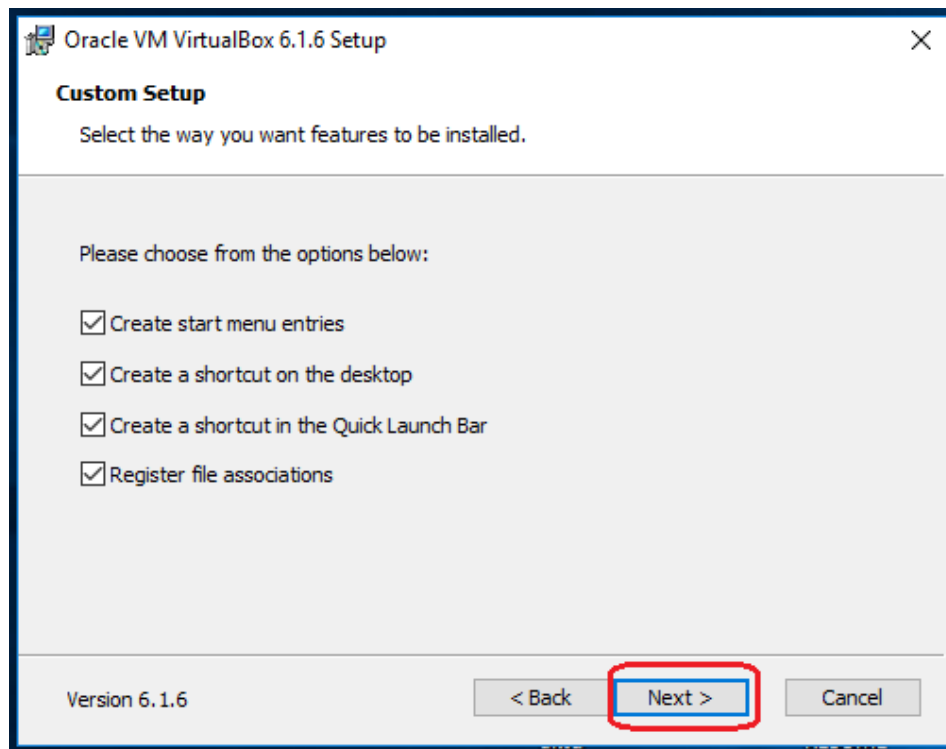"Oracle VM VirtualBox 6.1.6 Setup" window will appear on the screen and click on the "Next" button to proceed.

Step 5

Choose location where you want to install the VirtualBox and click on the "Next" button to proceed.

Step 6

Choose the options as per your choice and click on the "Next" button.

Step 7

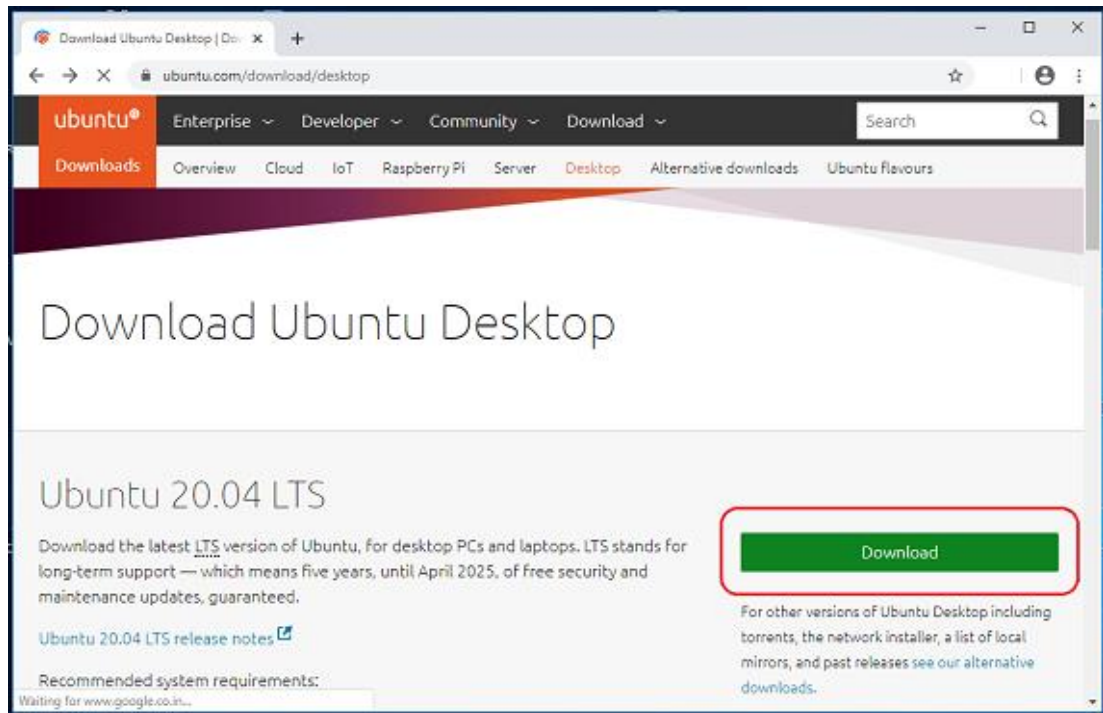Click on the Yes button and then the "Install" button.

Download Ubuntu

Follow the instructions below to download the Ubuntu ISO file.

Step 1

To download the latest version of Ubuntu, i.e. Ubuntu 20.04 LTS, visit the official Ubuntu website in your web browser.

Step 2

By clicking on the "Download" button, you can download the latest version of Ubuntu, i.e. Ubuntu 20.04 LTS (long term support).
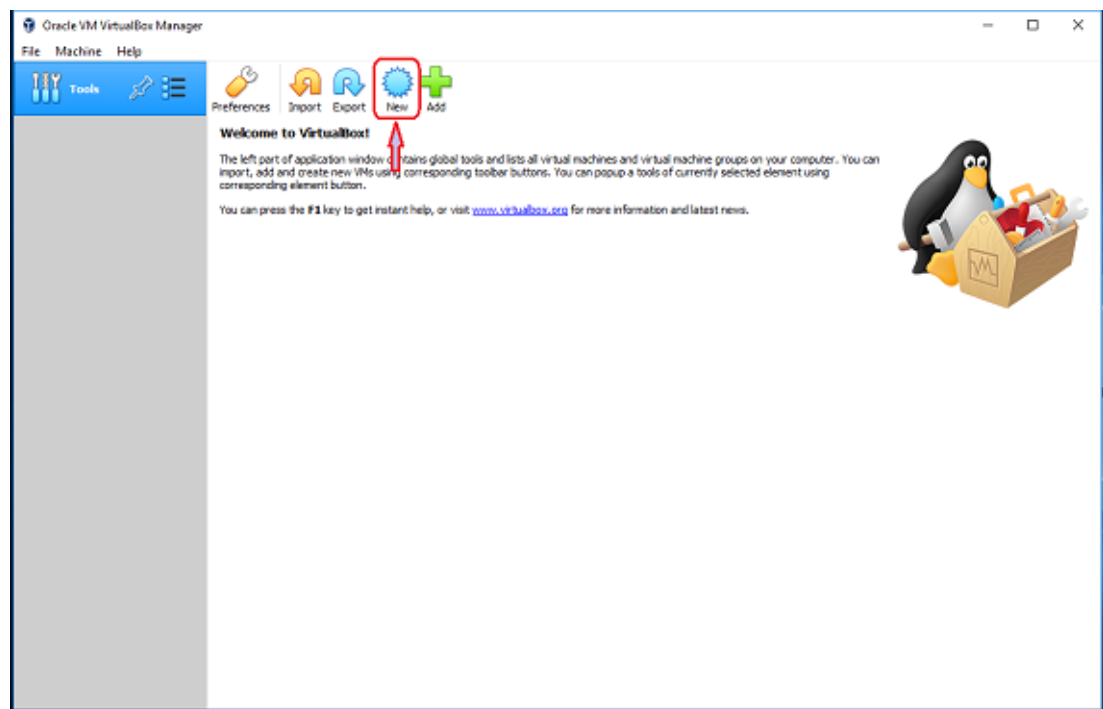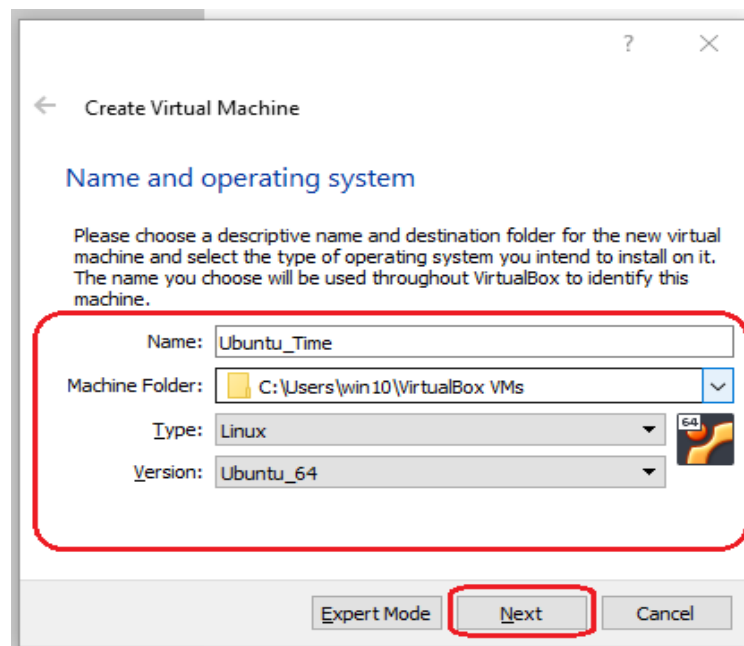
Creating a Virtual Machine

Now, it is time to create a Virtual Machine. Follow the instructions below to proceed.
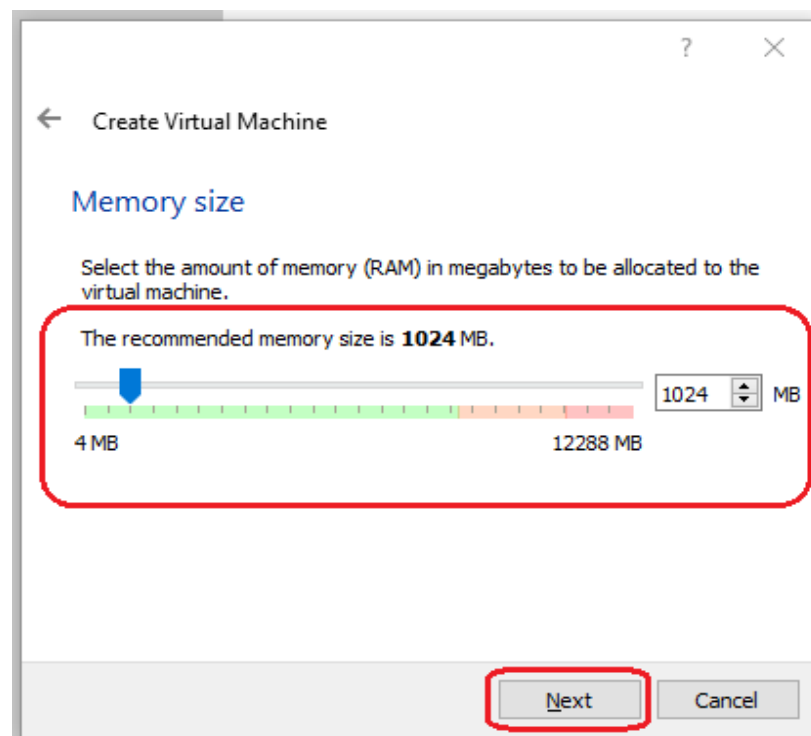
Step 1

Open VirtualBox and click on the "New" button.

Step 2 Choose a name for your virtual machine with its location. Based on the name you entered, VirtualBox will try to predict the "Type" and "Version". Otherwise, from the drop-down menu, select "Linux" as the type and "Ubuntu" as the version and click on the "Next" button.
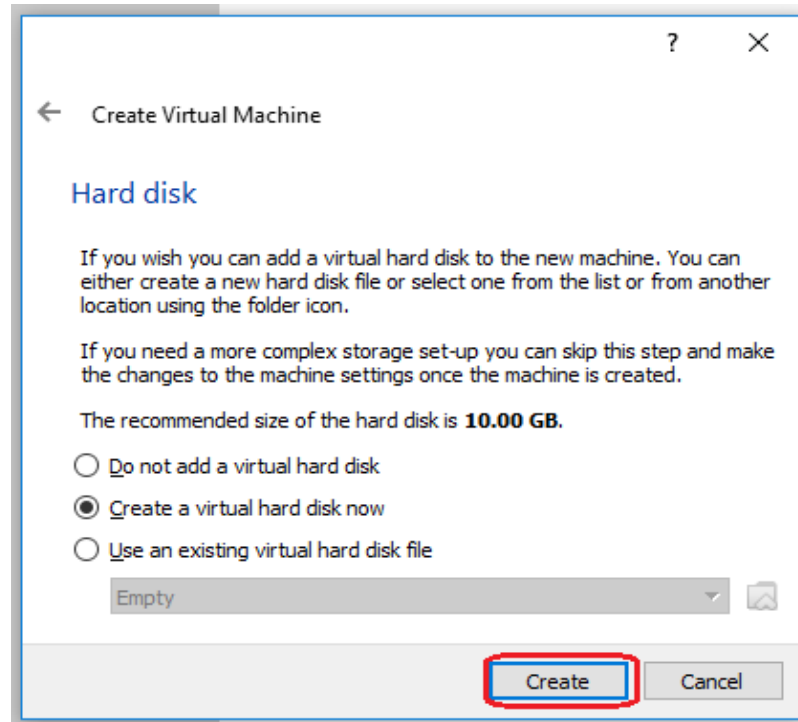

Step 3 With the help of the slider, choose the amount of memory (RAM) to be allocated to the virtual machine. (The recommended memory size is 1024 MB (1 GB). Please note that this memory will only be used while using a virtual machine).
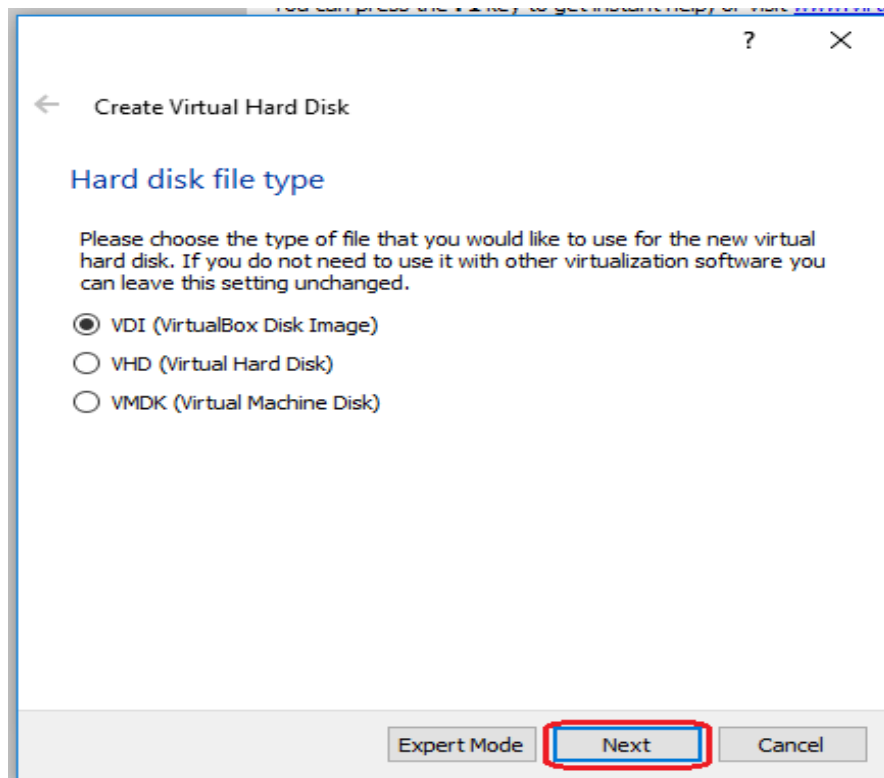
Step 4

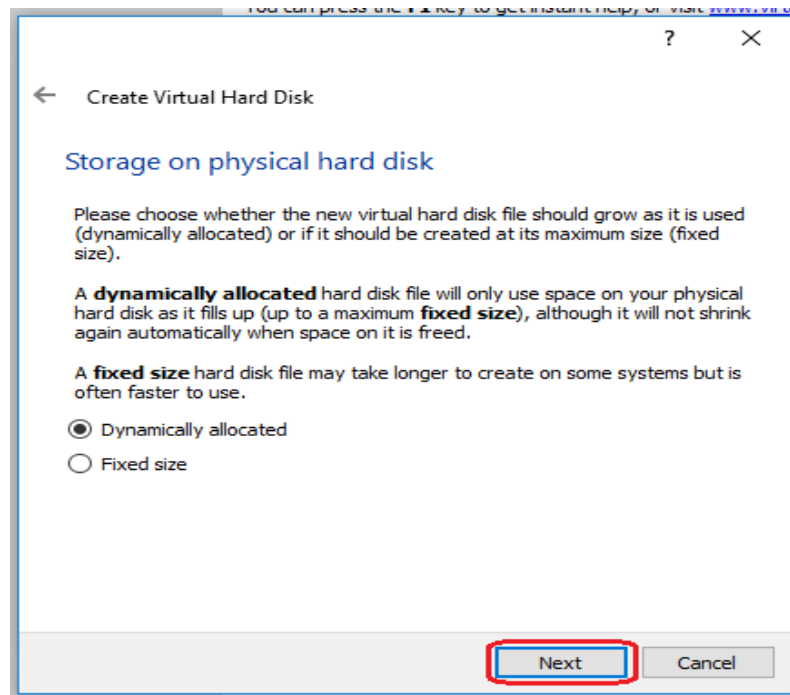 Select "Create a virtual hard disk now" option and click on the "Create" button to proceed.

Step 5

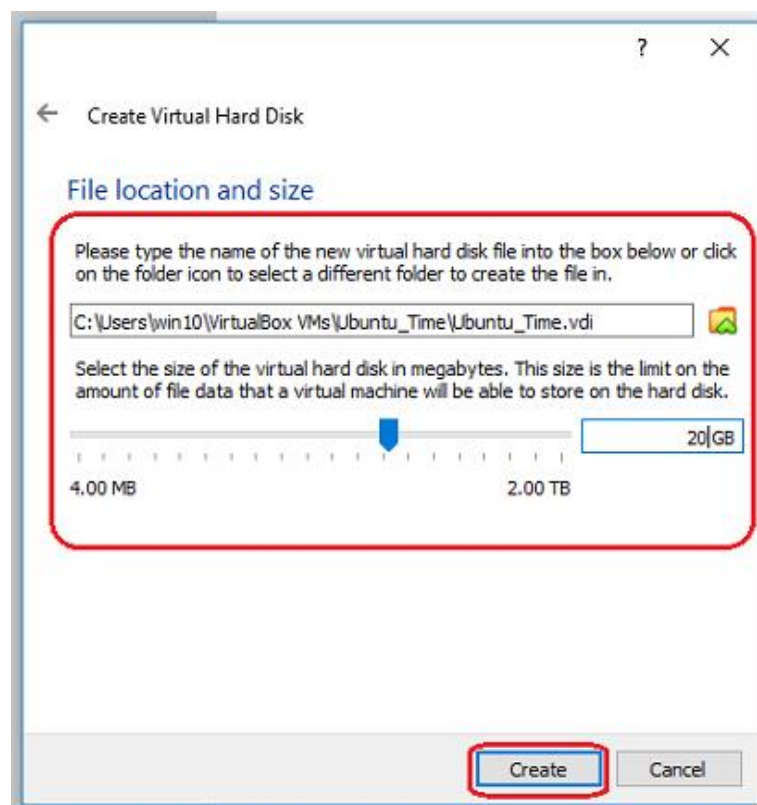Choose the "VDI (VirtualBox Disk Image)" option and click "Next".

Step 6   Again, click on the "Next" button.

Step 7

Select the amount of space for your virtual machine and click the "Create" button. (This will be used for your operating system which is going to be installed, so give as much space as possible).
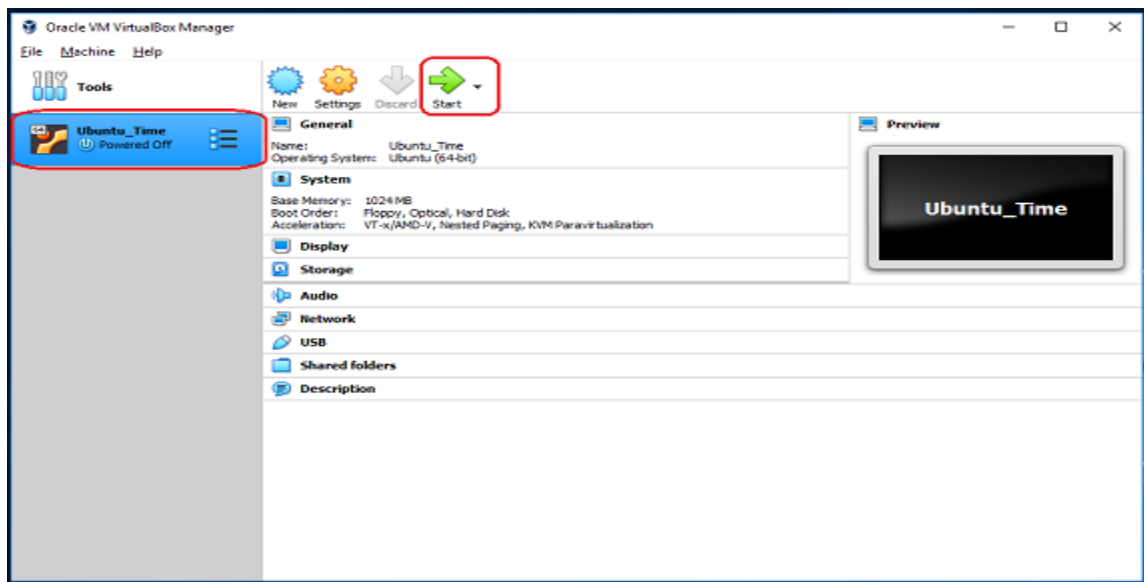
Install Ubuntu Using VirtualBox

Virtual machine has been successfully created and it is time to install Ubuntu on it. Since the latest version of Ubuntu is 20.04 LTS, Follow the instructions below to proceed.
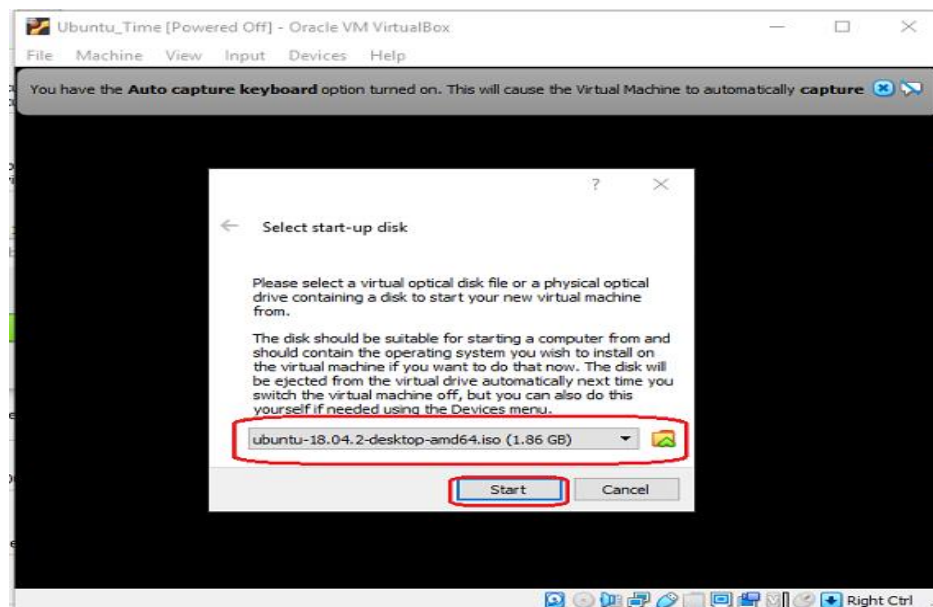
Step 1

The name of your virtual machine will now appear on the left side of the VirtualBox Manager. Click on the "Start" button in the toolbar to launch your VM.
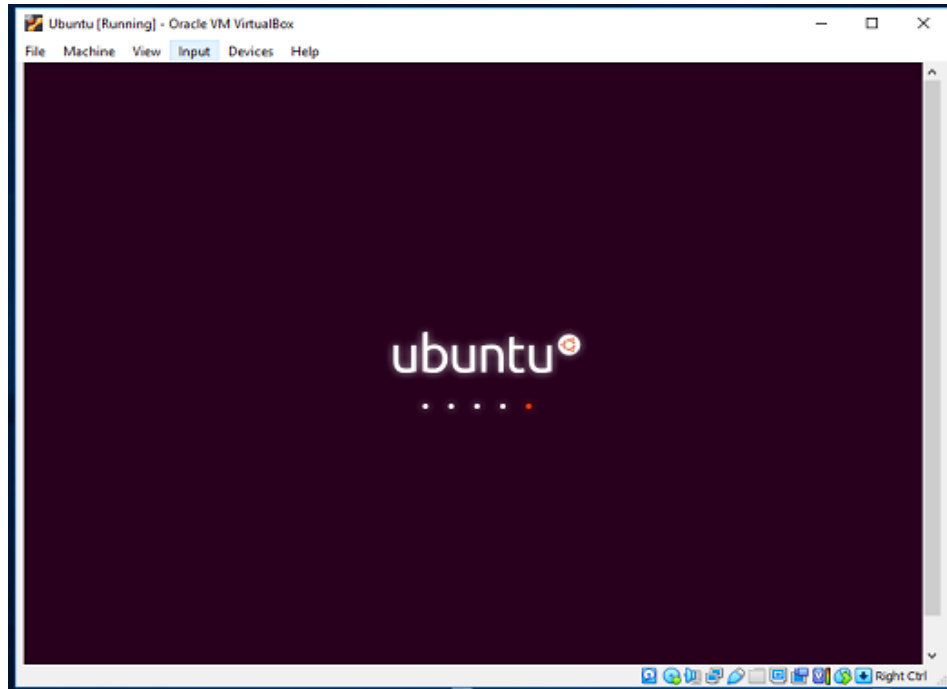

Step 2

Now select your Ubuntu ISO file that you downloaded earlier. Click on folder icon and then click on the "Add" button. Then, select your Ubuntu ISO file. Click on the "Start" button to proceed.
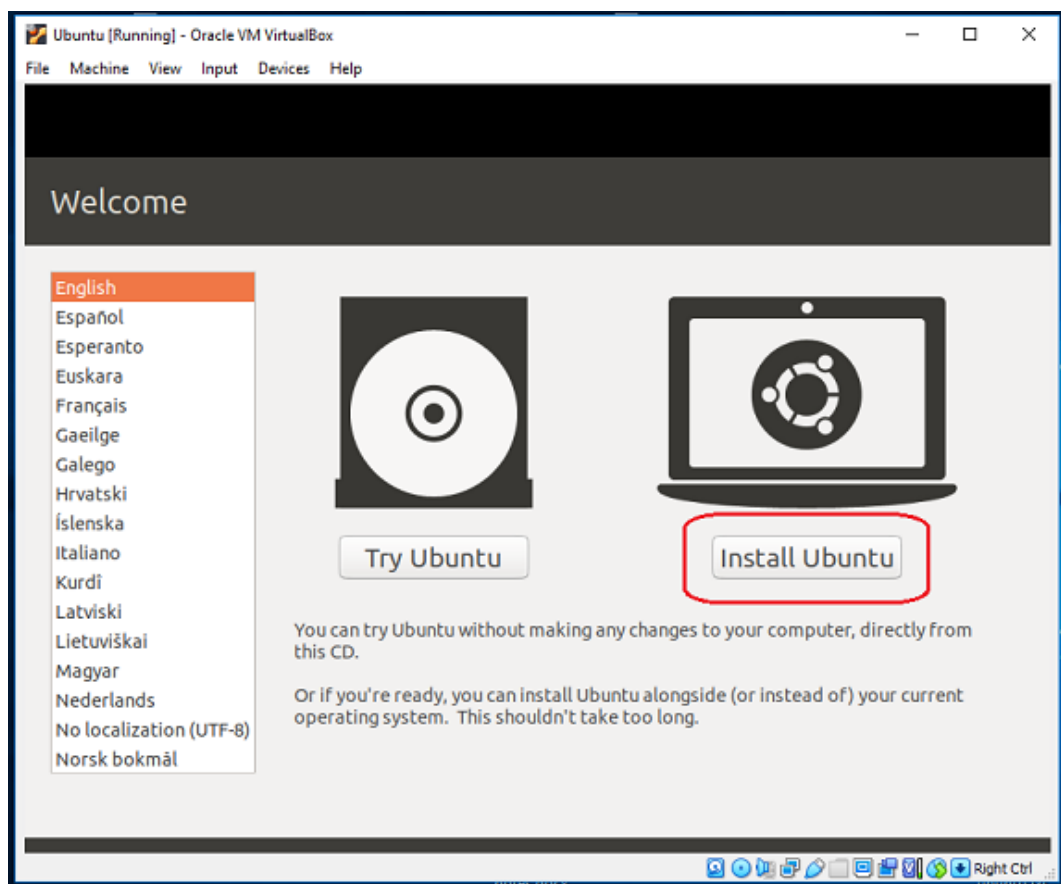

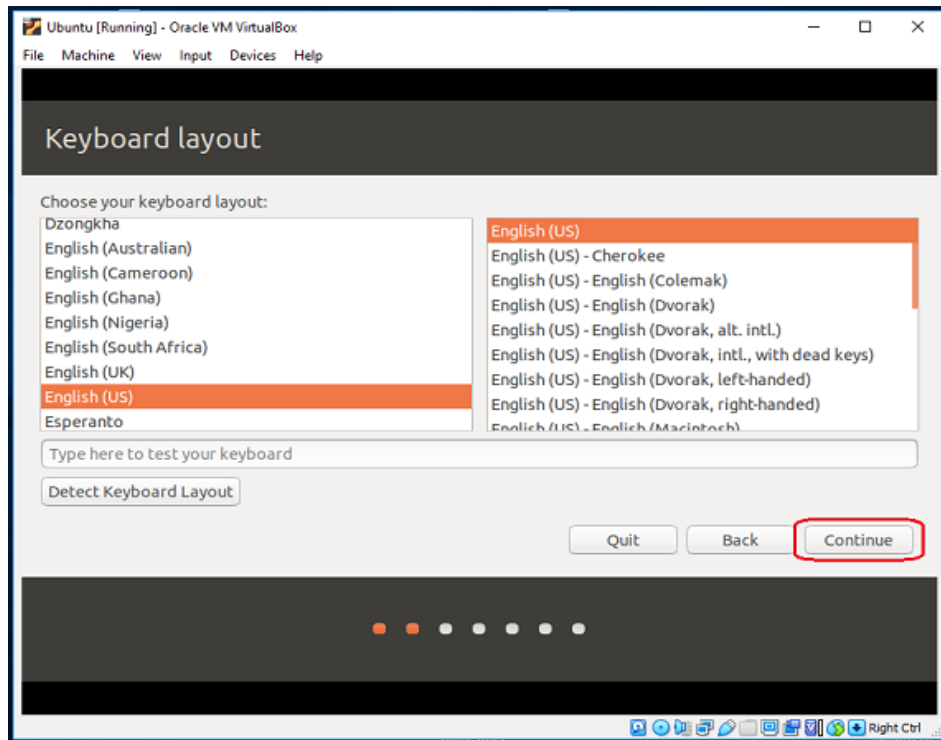After this, your Ubuntu installation will be ready to start on your VirtualBox.

Step 3
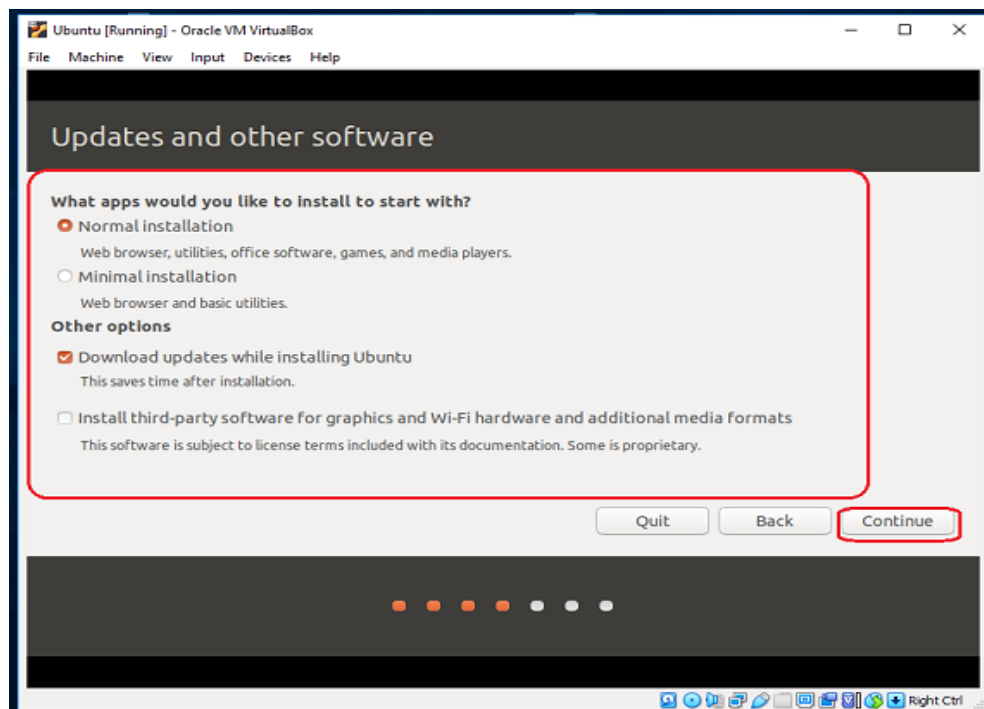
Now, click on the "Install Ubuntu" button to proceed.

Step 4

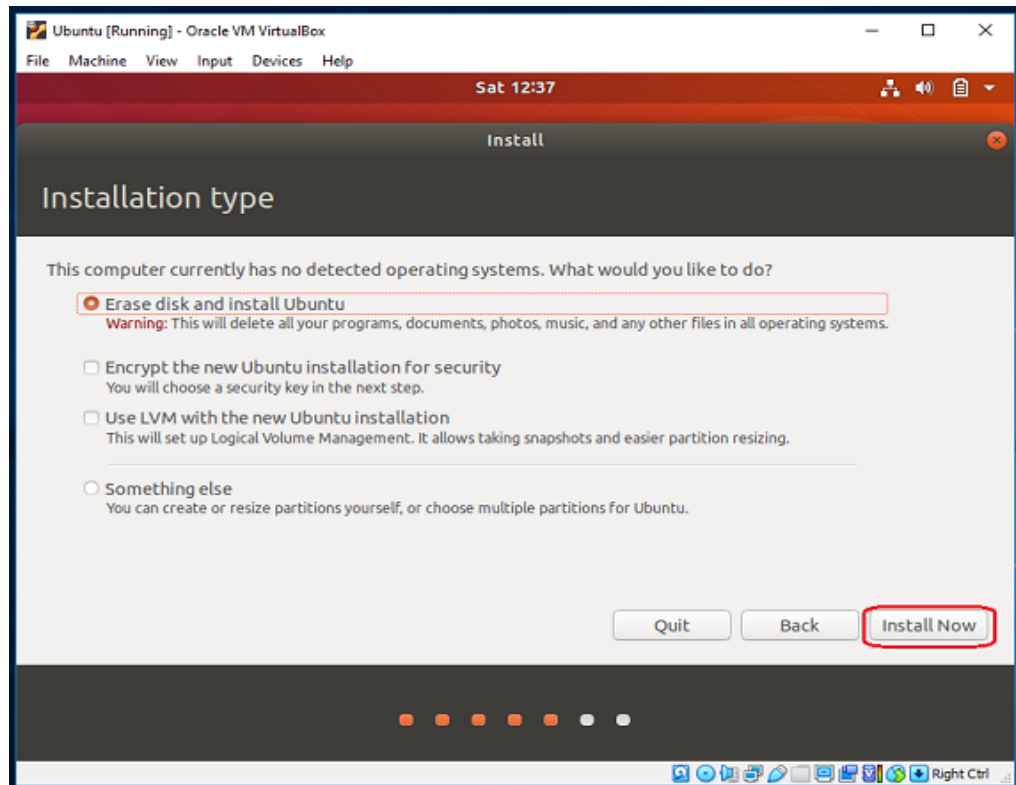Select your desired "keyboard layout" and click on the "Continue" button to proceed.

Step 5

Use the default option as "Normal Installation" with the "Download updates while installing Ubuntu" and click on the "Continue" button.

Step 6

Select the default option as the "Erase disk and Install Ubuntu" and click on the "Install Now" option to proceed.
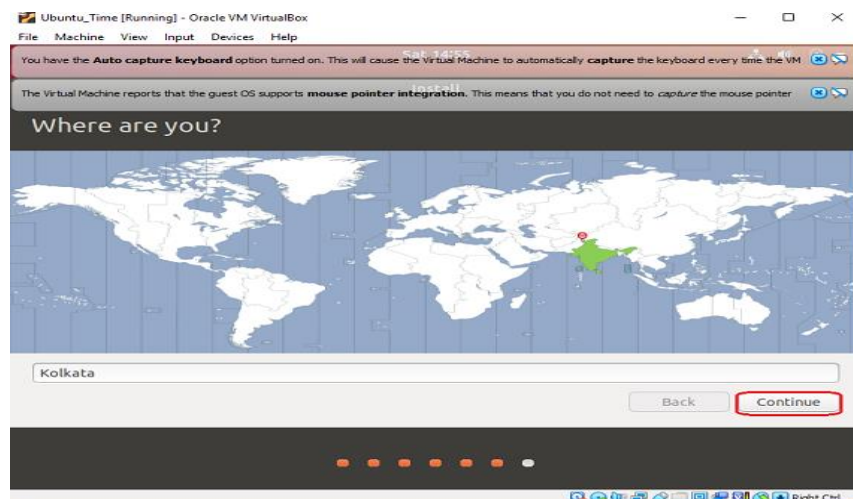
Step 7

A warning prompt will appear on the screen and click on the "Continue" button to ignore this warning.
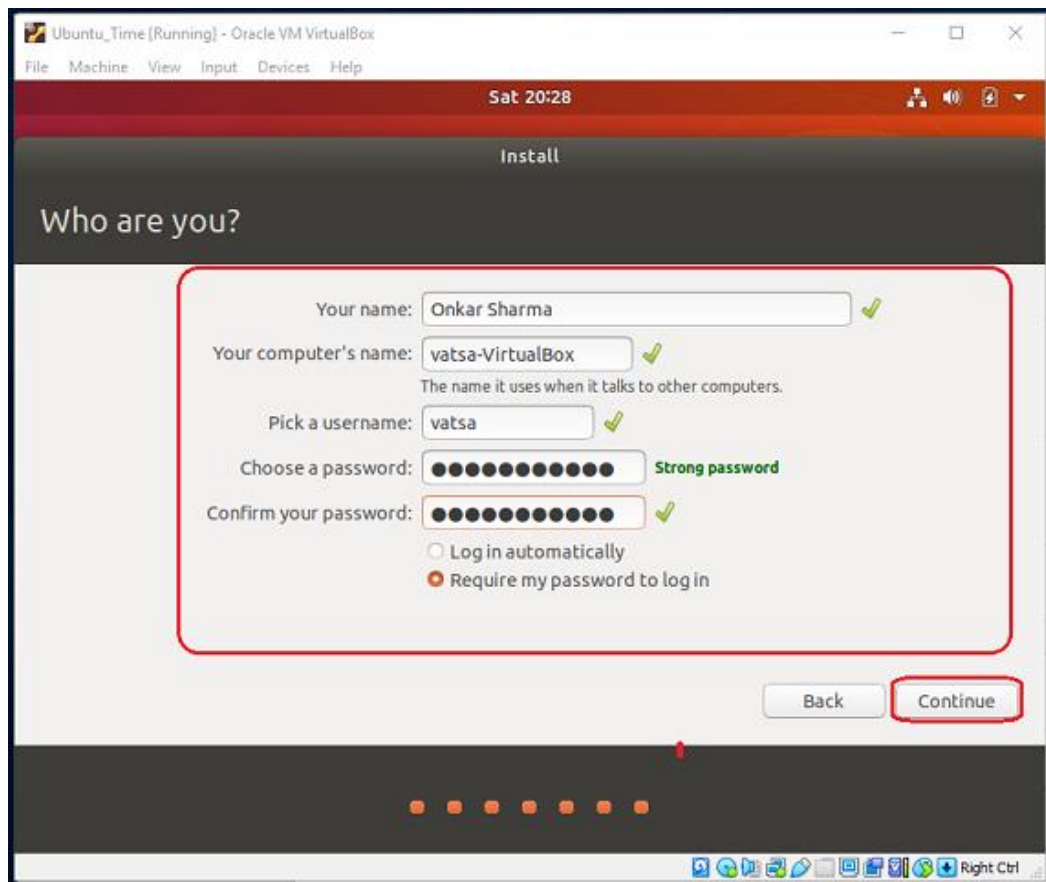

Step 8

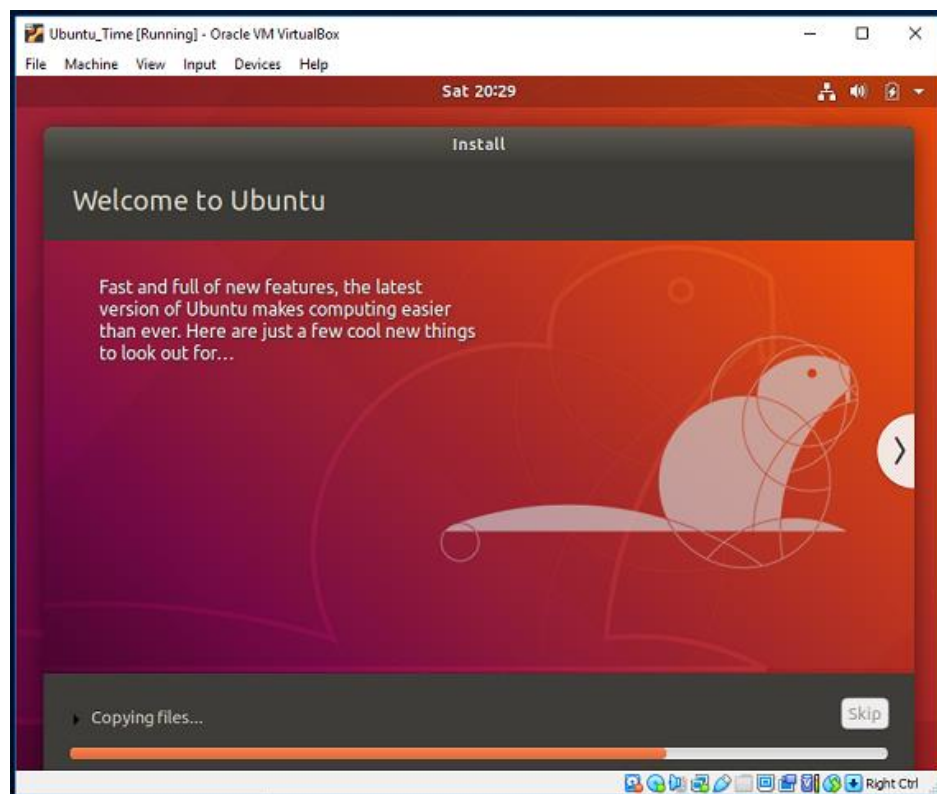Choose your time zone on the map and click Continue.

Step 9

Now, set your user account by filling necessary details and click on "Continue" button to proceed.
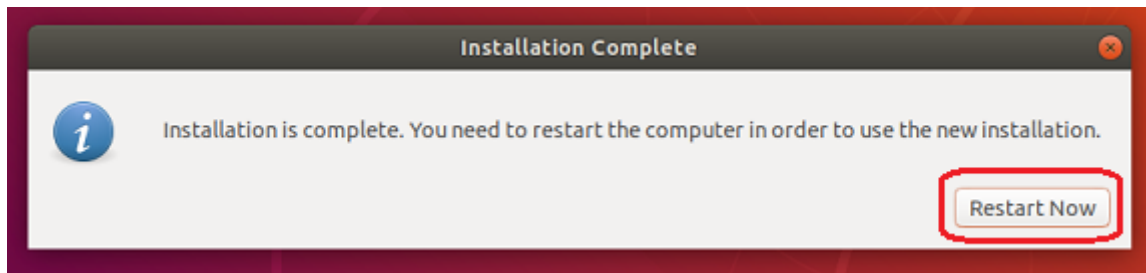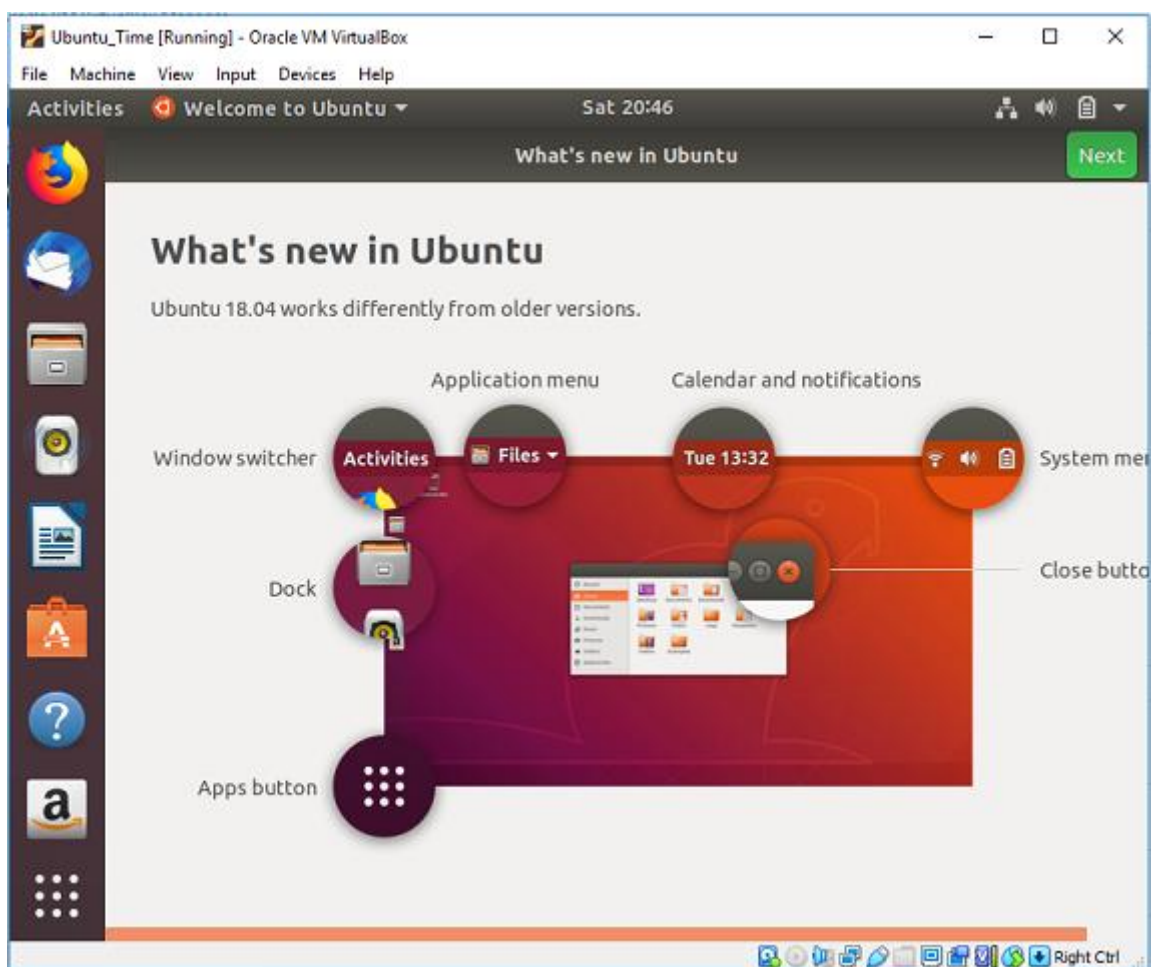

Now, the installation process will begin.

Step 10

Now, restart your system by clicking on the "Restart Now" option.

Successfully installed and configured Ubuntu on Windows 10 using VirtualBox and the Welcome screen will appear.

RESULT:

       Thus the Ubuntu 20.04 on Windows 10 using VirtualBox is Successfully installed and configured.