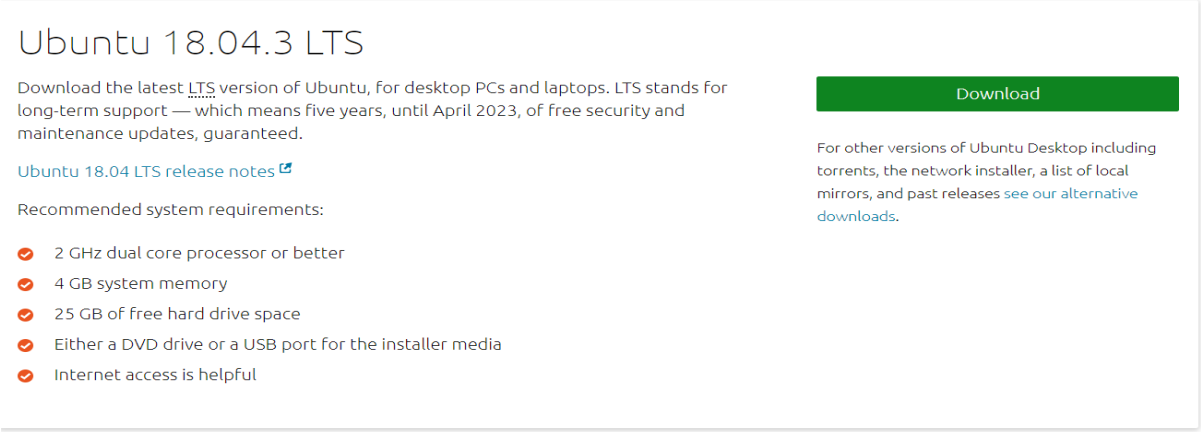
System Requirements

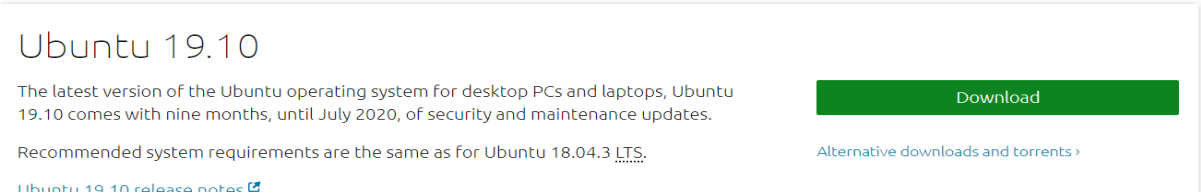
Before downloading and installing Ubuntu on windows 10 using VirtualBox, the following requirements are essential.

- Operating System Version - Microsoft Windows 10 (32-bit or 64-bit).
- Random Access Memory (RAM) - Minimum 4 GB RAM recommended.
- Free Disk Space - Minimum 25 GB free space recommended.
- Good Internet Connection to download the VirtualBox and Ubuntu ISO file.

Downloading and Installing Ubuntu

Before, we begin with the installation process, we need to download ISO file for Ubuntu. For that, all the versions of Ubuntu are available on the official site ubuntu.com





After the downloading is over, you can install Ubuntu on VirtualBox with the help of following instructions:

To download the VirtualBox, follow the instructions below.

Step 1

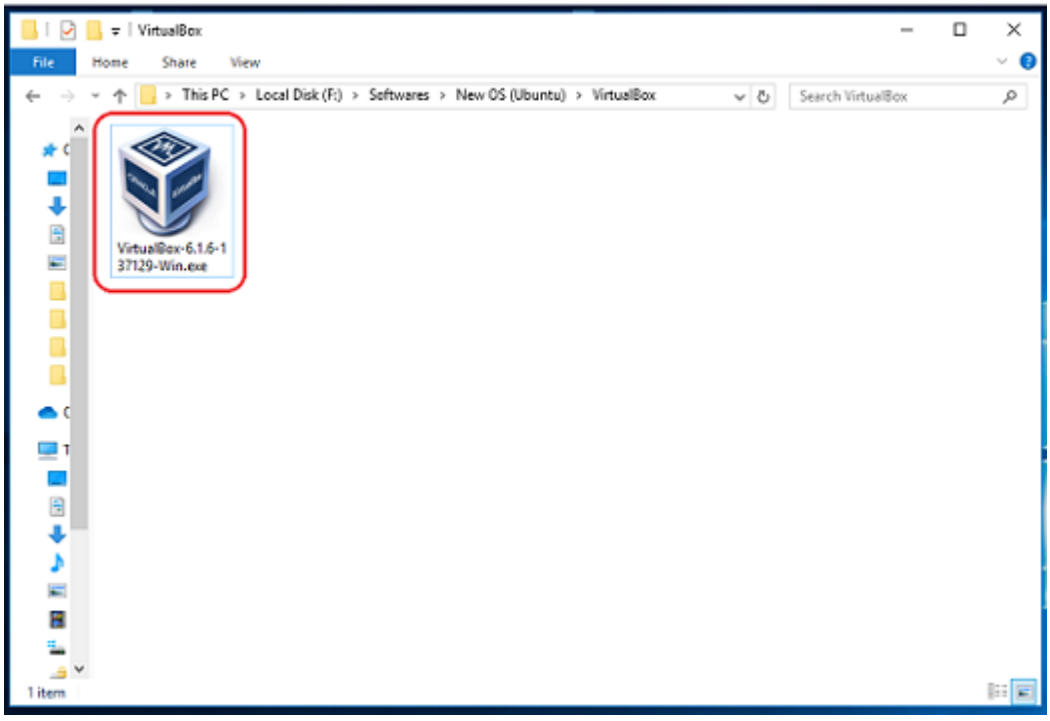
To download the latest version of VirtualBox, visit the official VirtualBox website in your web browser.

Step 2

Now, download the VirtualBox from here.

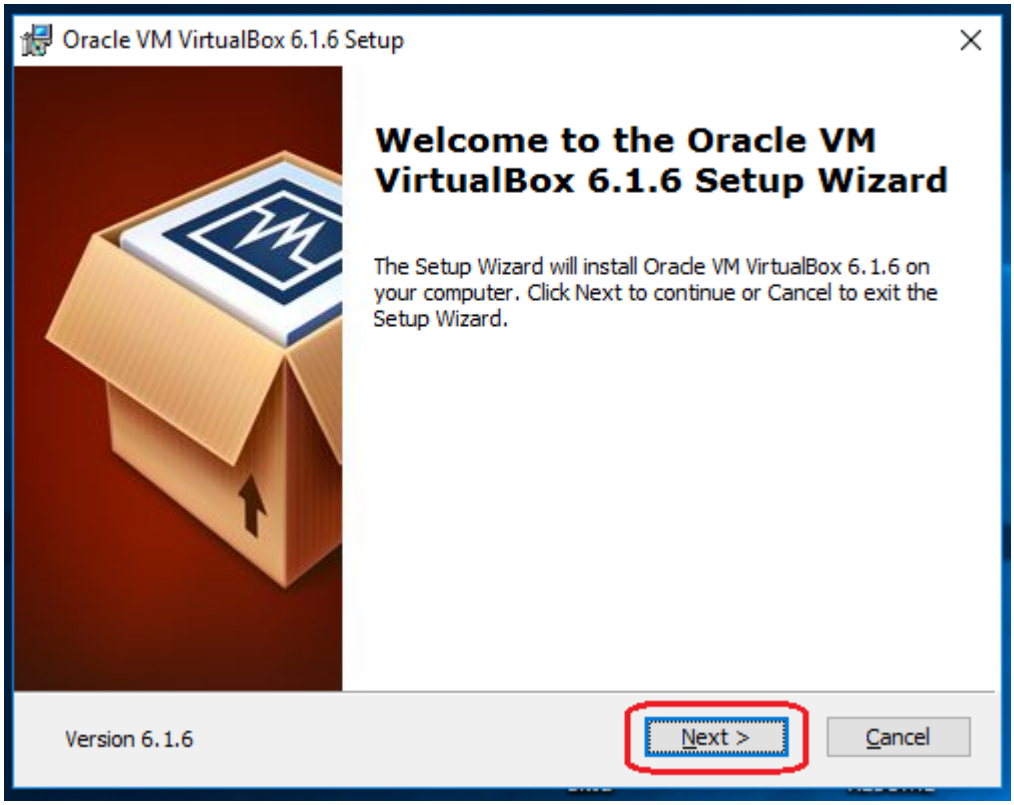
Step 3

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



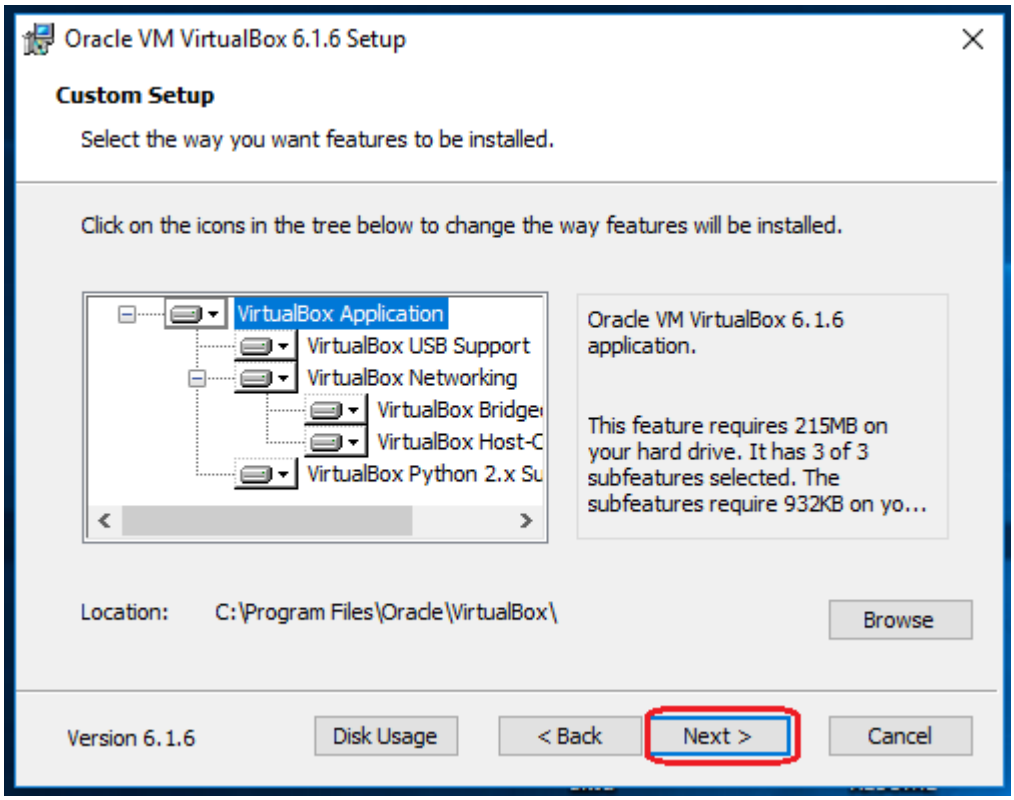
Step 4

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



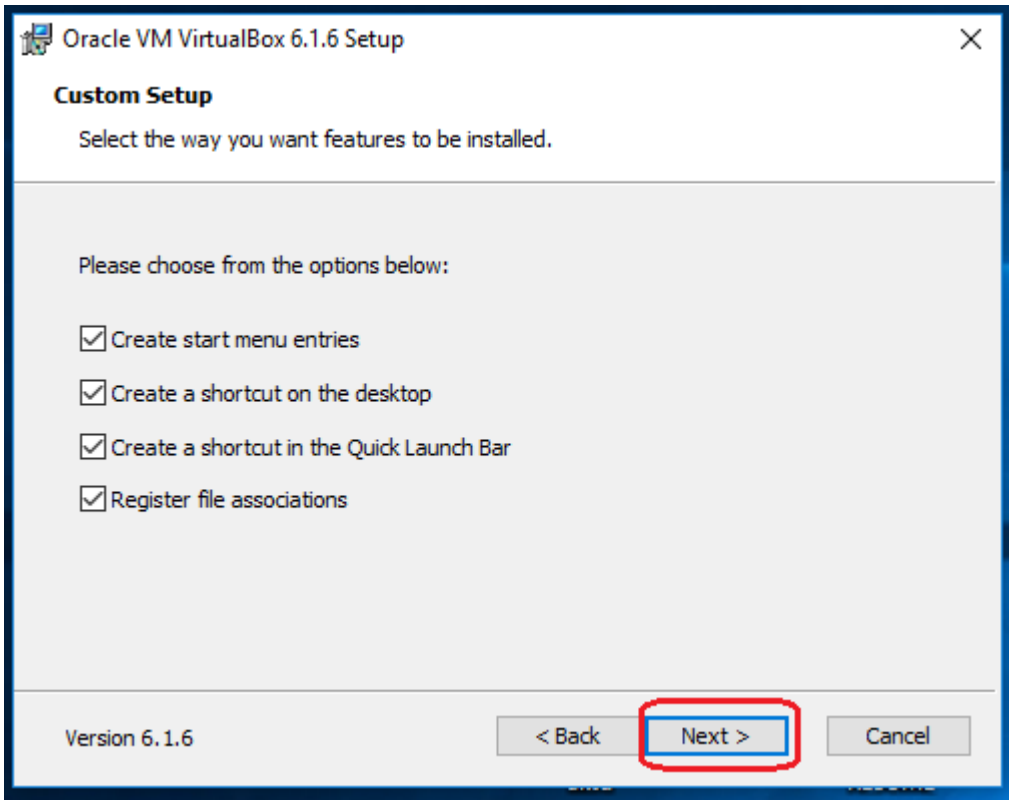
Step 5

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



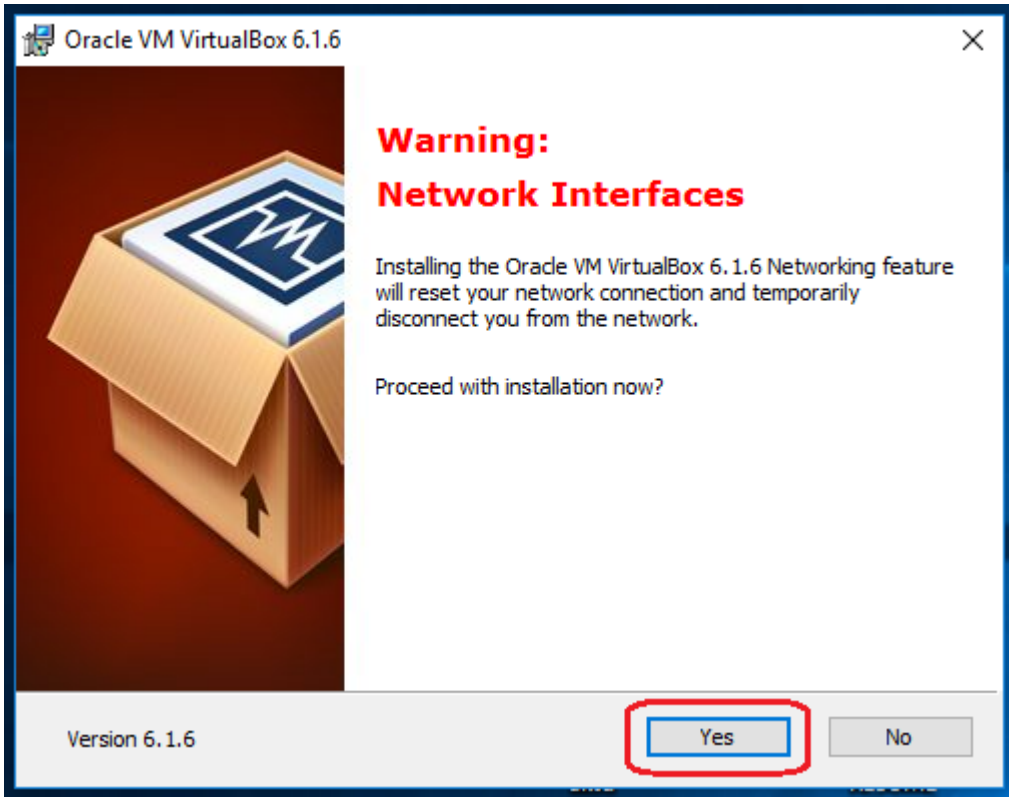
Step 6

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

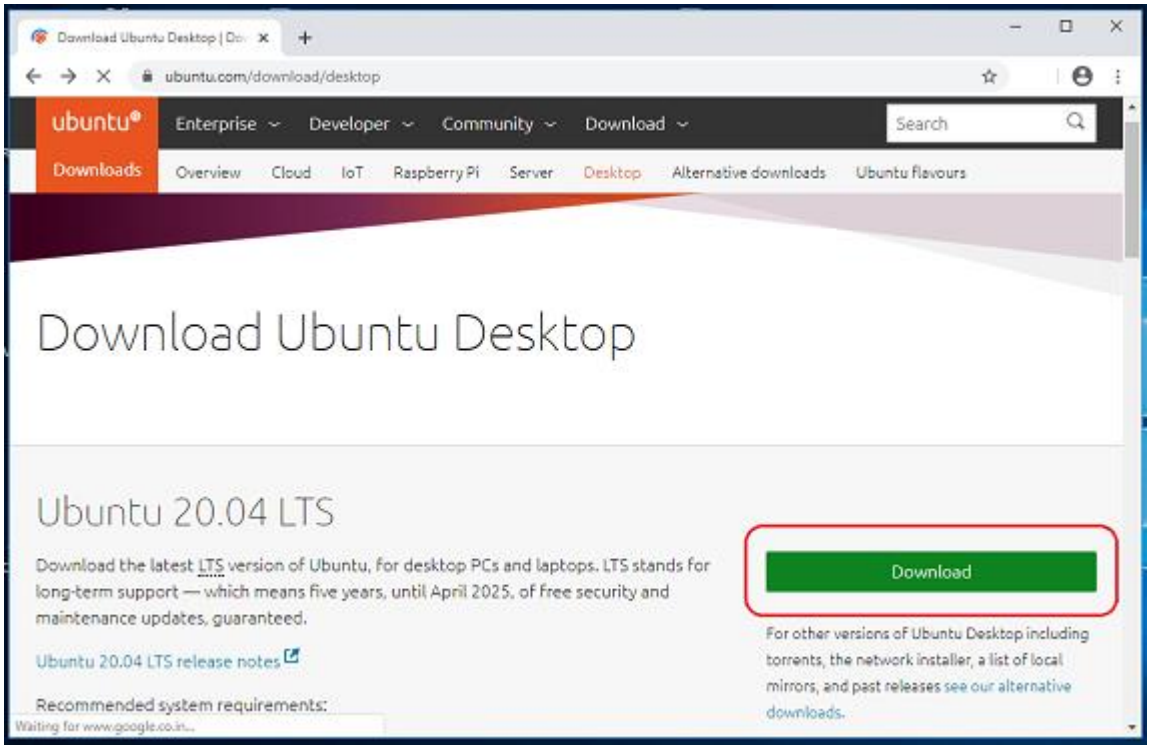
Follow the instructions below to download the Ubuntu ISO file.

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).

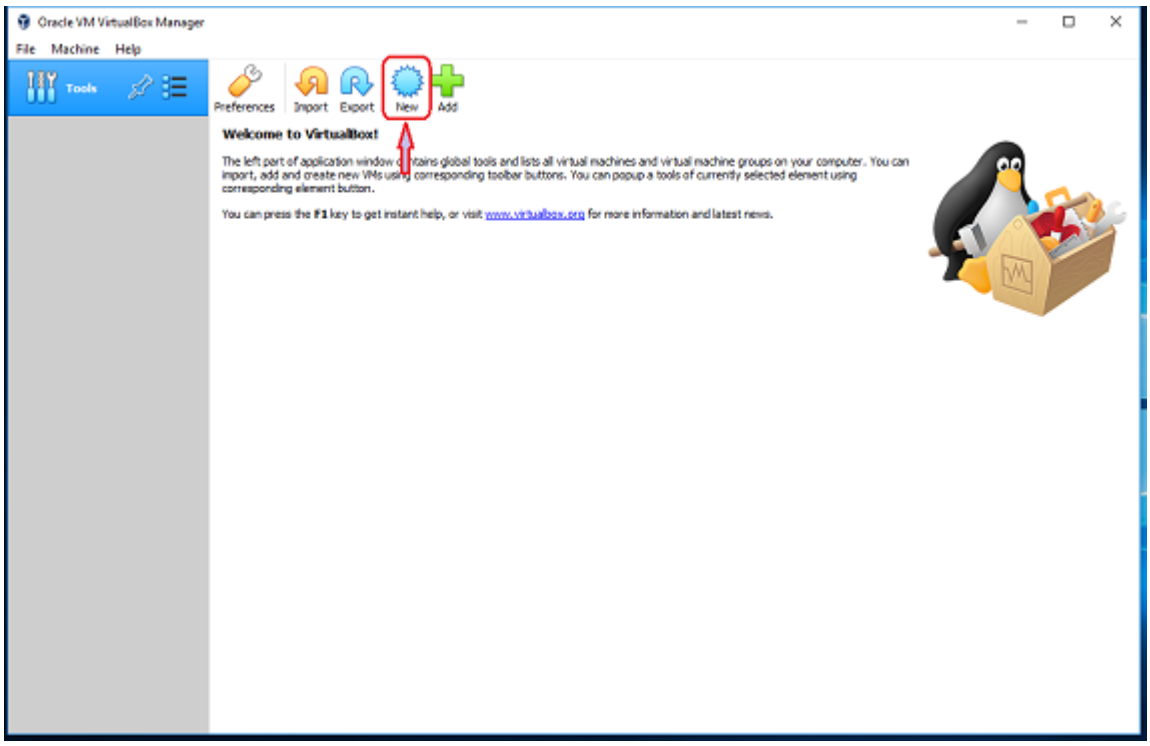


Creating a Virtual Machine

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

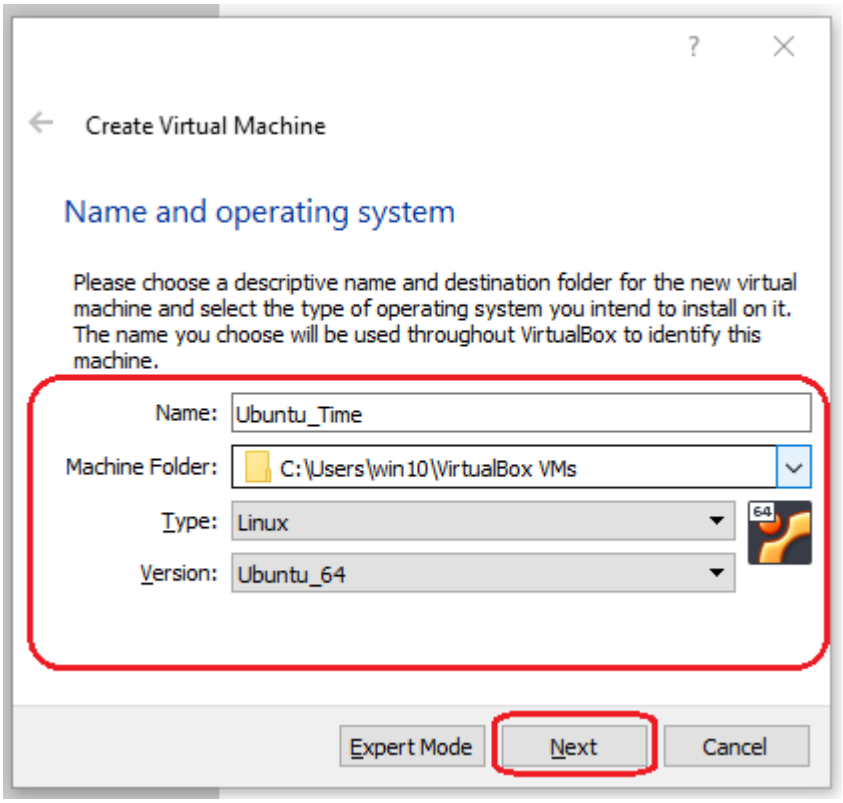
Step 1

Open VirtualBox and click on the "New" button.



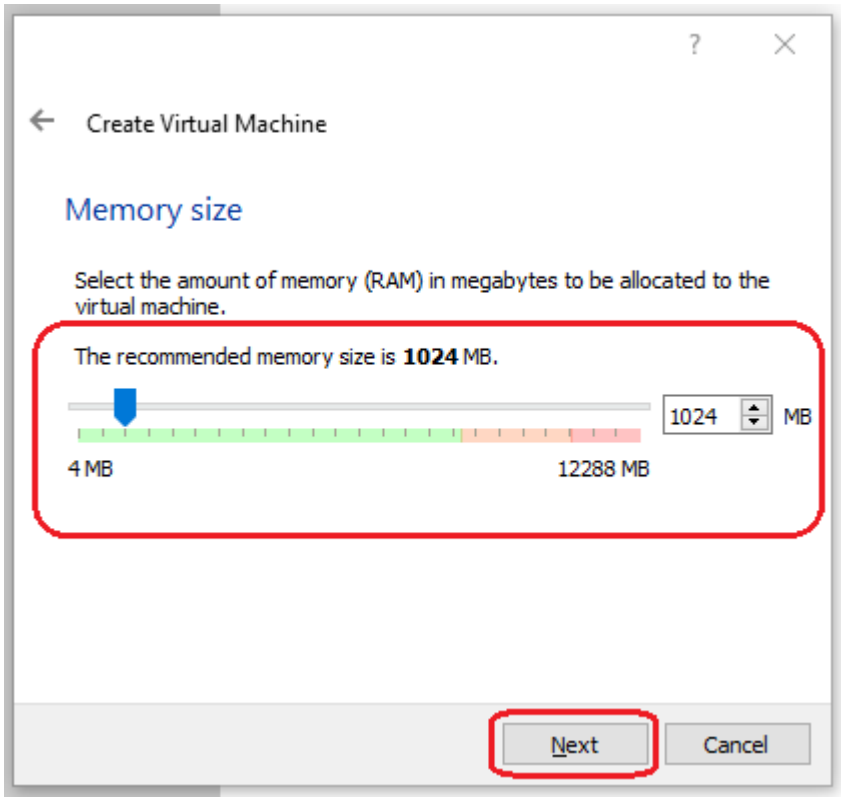
Step 2

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.



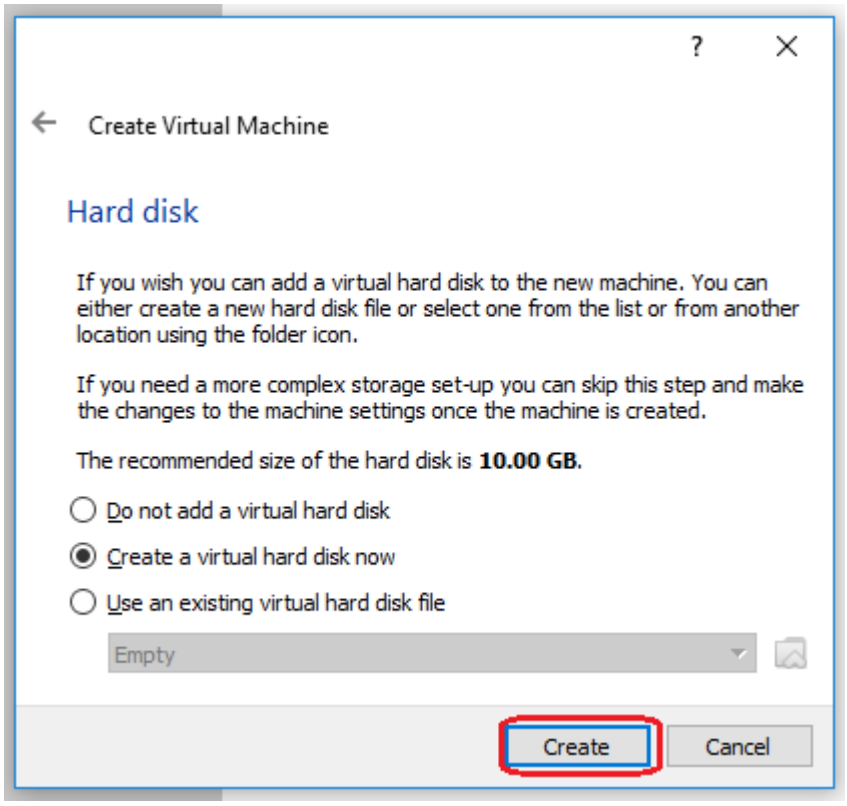
Step 3

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).



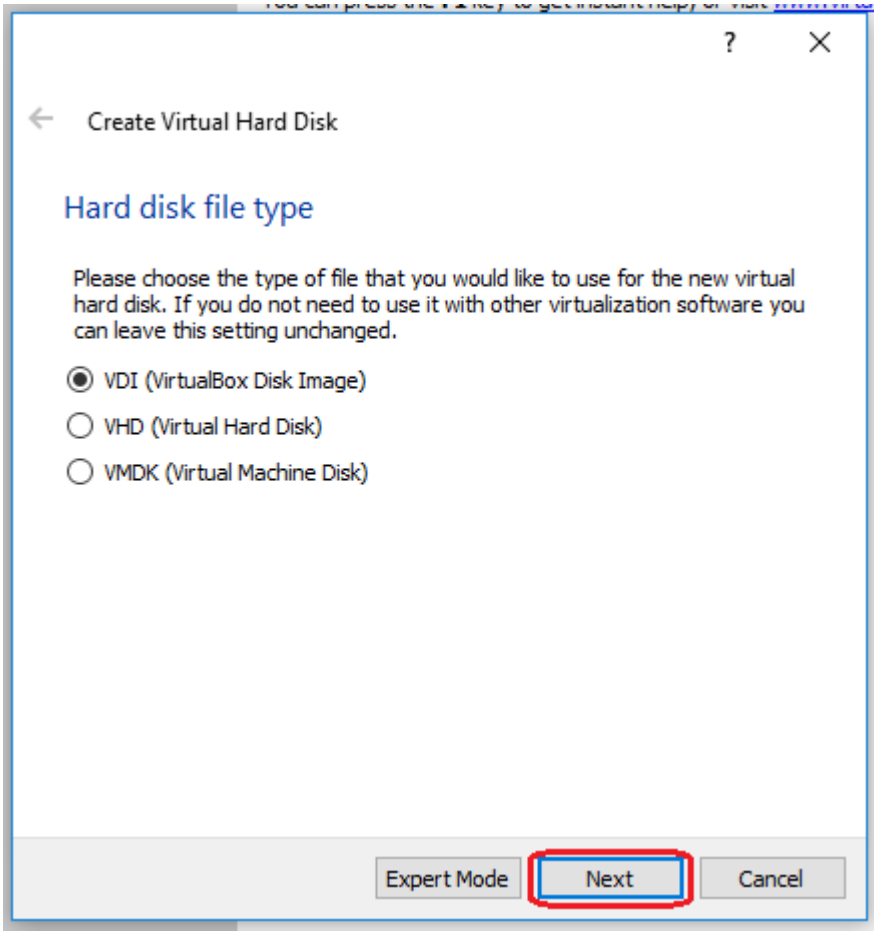
Step 4

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



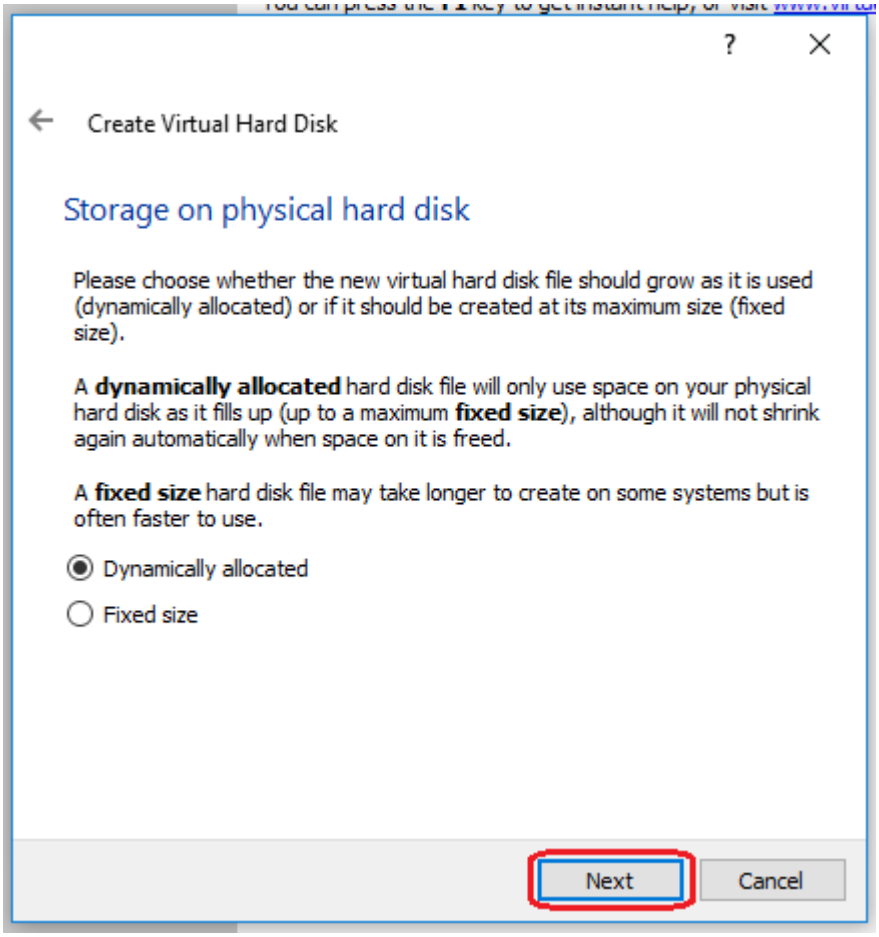
Step 5

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



Step 6

Again, click on the "Next" button.



Step 7

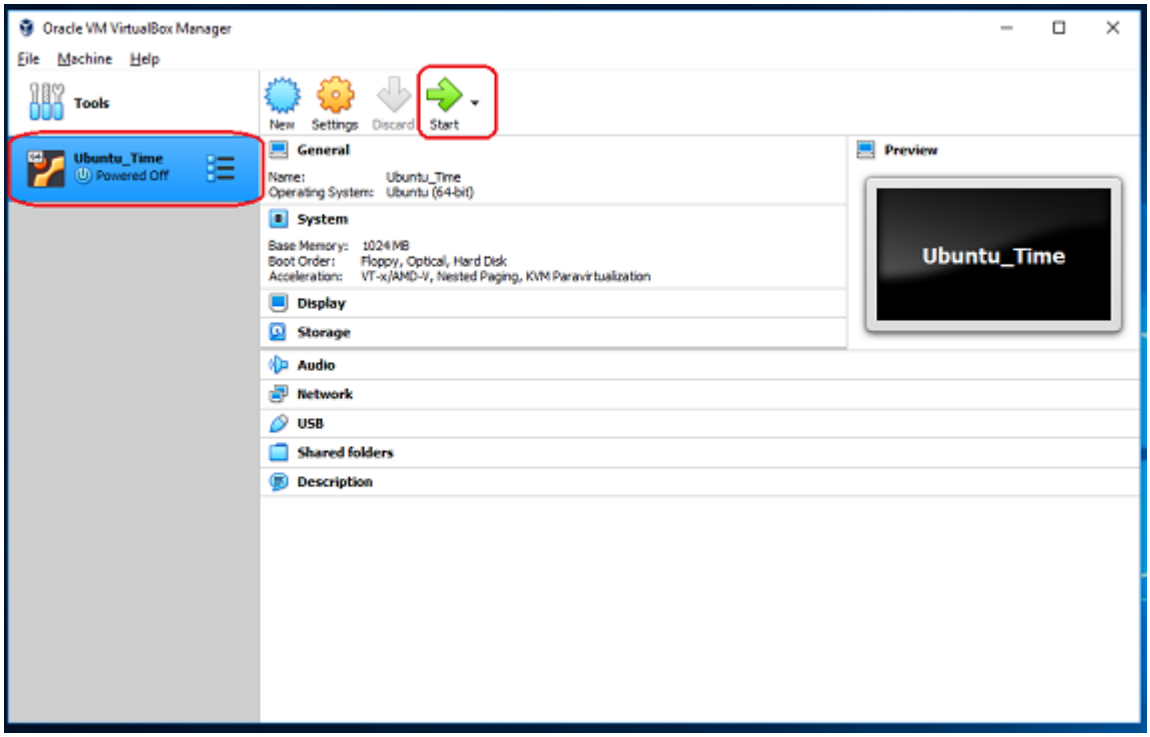
Select the amount of space for your virtual machine and click the "Create" button. (This will be used for your operating system which is going to be installed, so give as much space as possible).

Install Ubuntu Using VirtualBox

Now, your 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, but I am showing you the installation of Ubuntu 18.04 on VirtualBox and my aim is to show you the process of installing Ubuntu. I hope you understand the process and install the latest version of Ubuntu as you want. Follow the instructions below to proceed.

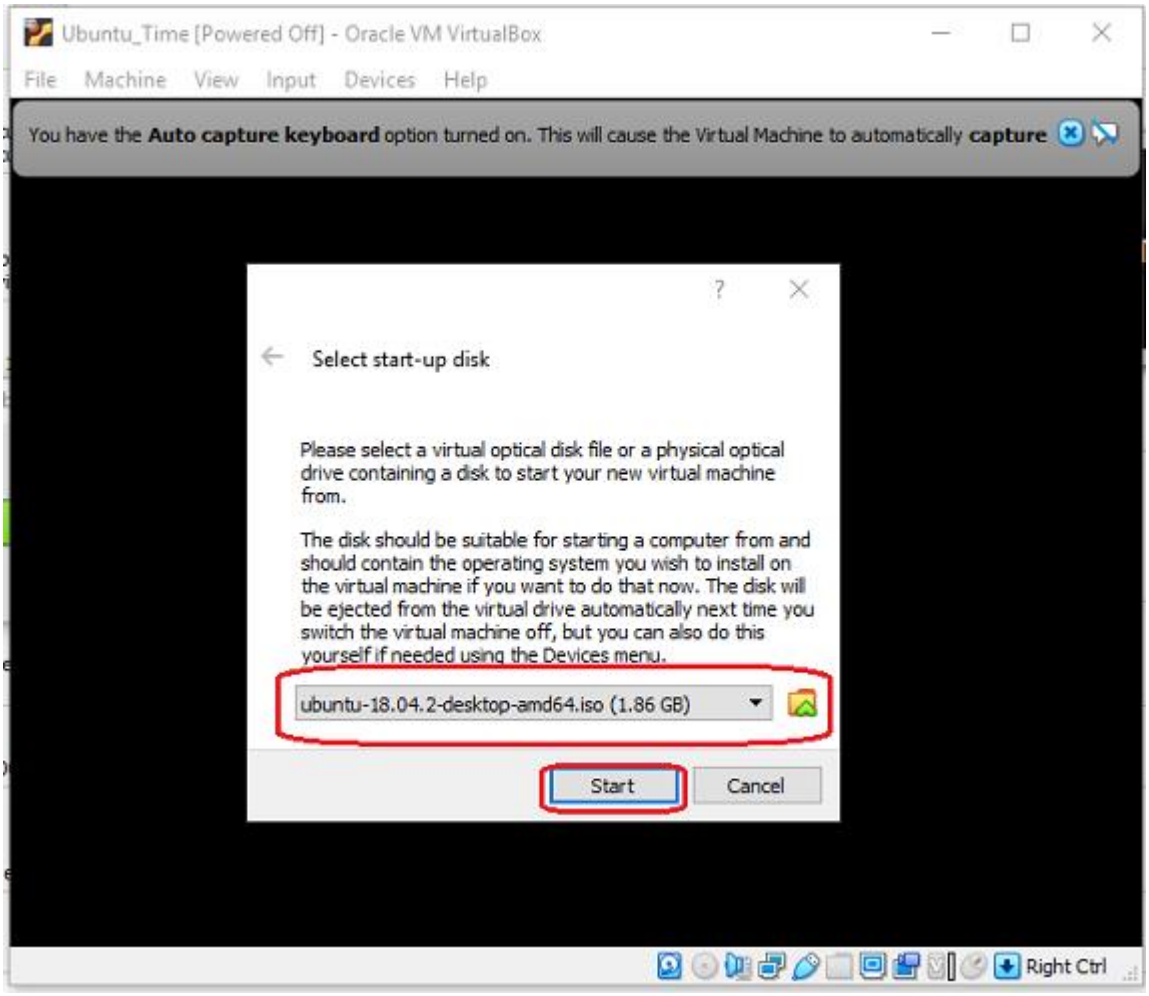
Step 1

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

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



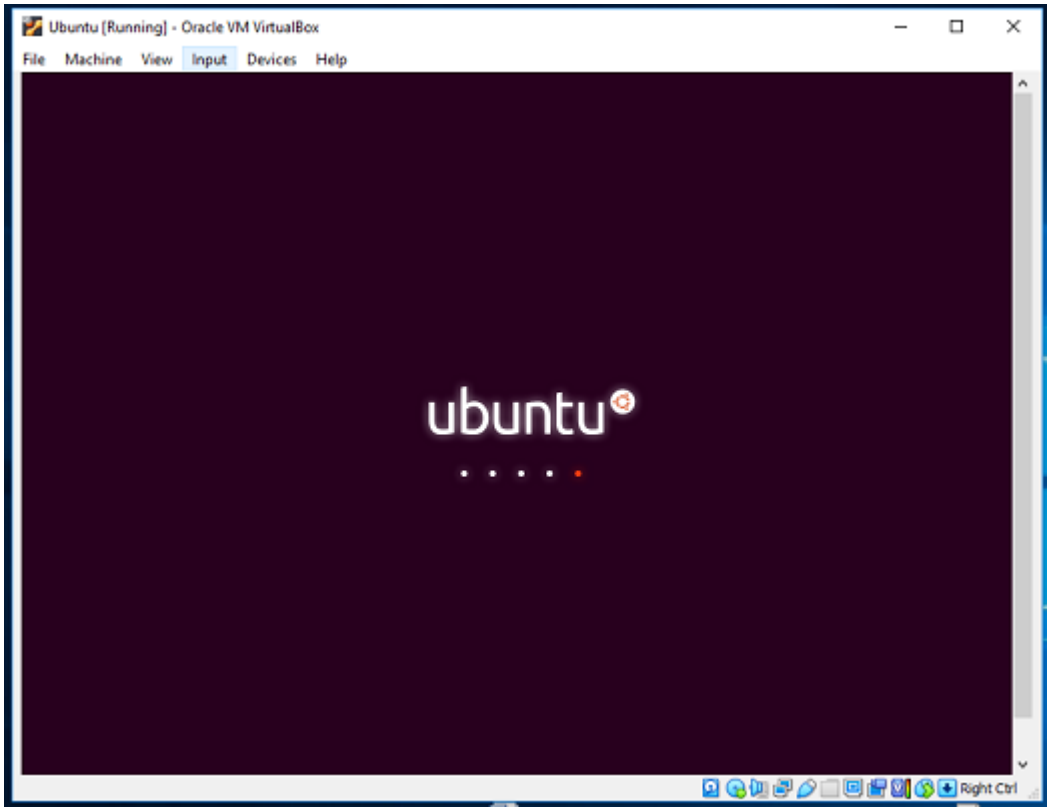
Note
If you get the following error,

The native API DLL was not found (C:\WINDOWS\system32\WinHvPlatform.dll) (VERR_NEM_NOT_AVAILABLE).

VT-x is not available (VERR_VMX_NO_VMX).

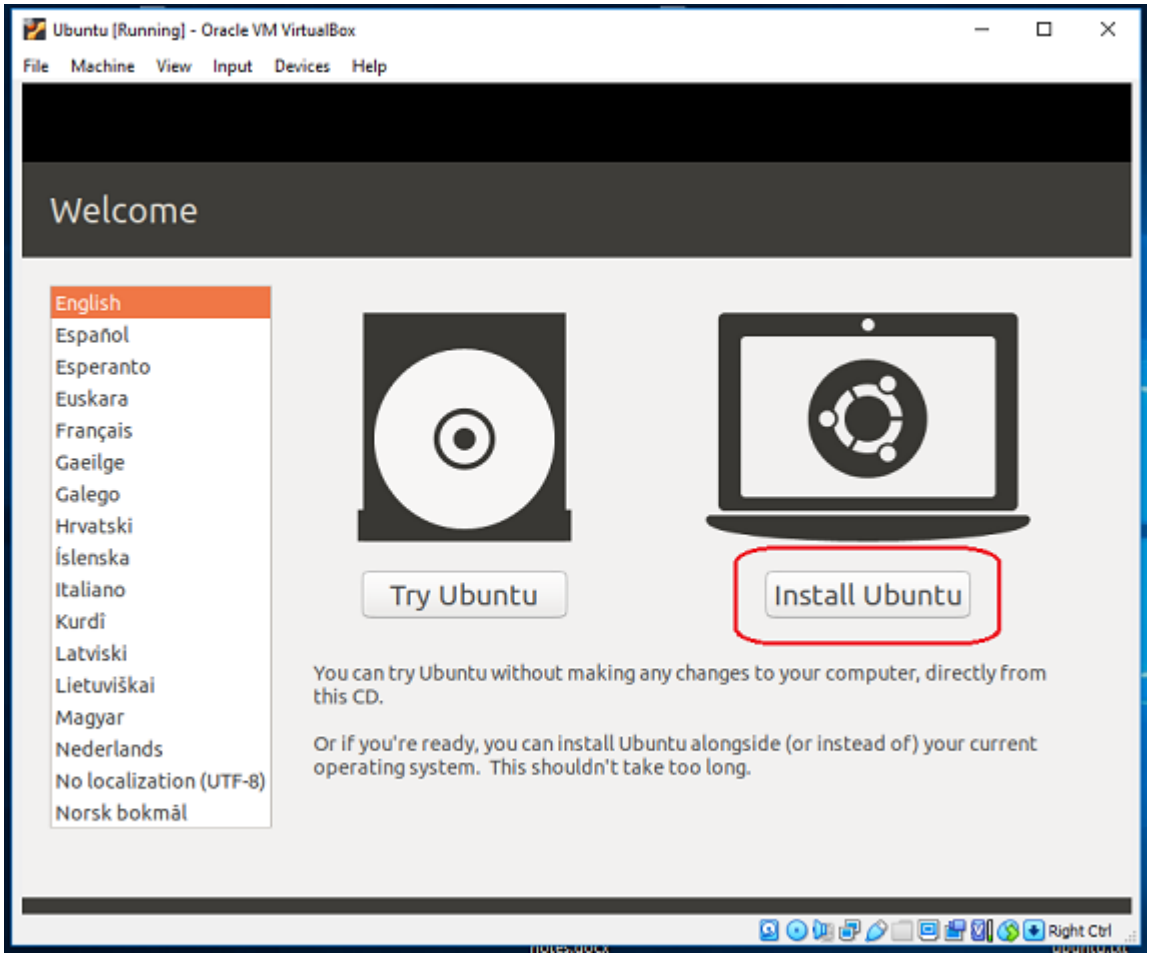
To resolve this above error, use the following command in Command Prompt (Admin), "dism.exe /Online /Disable-Feature:Microsoft-Hyper-V".

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



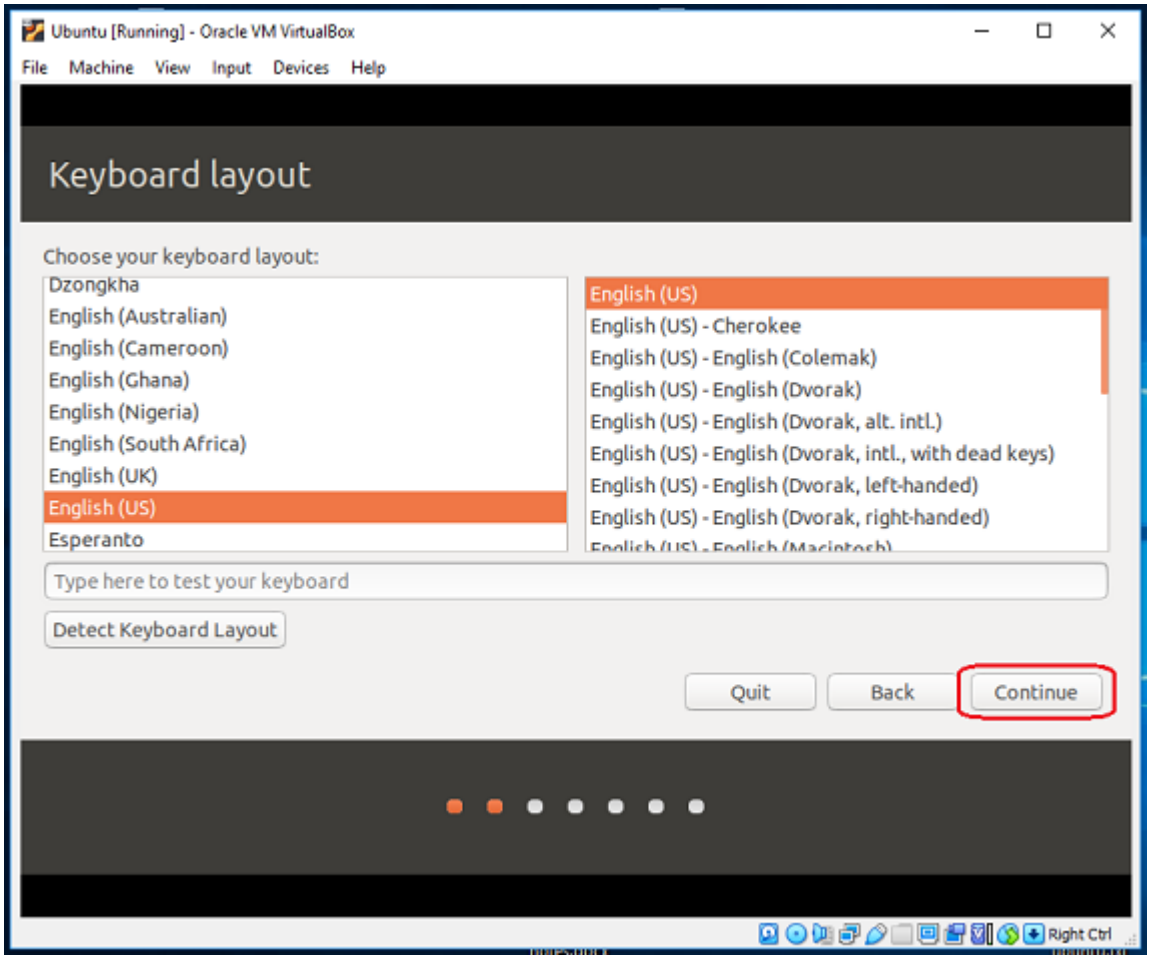
Step 3

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



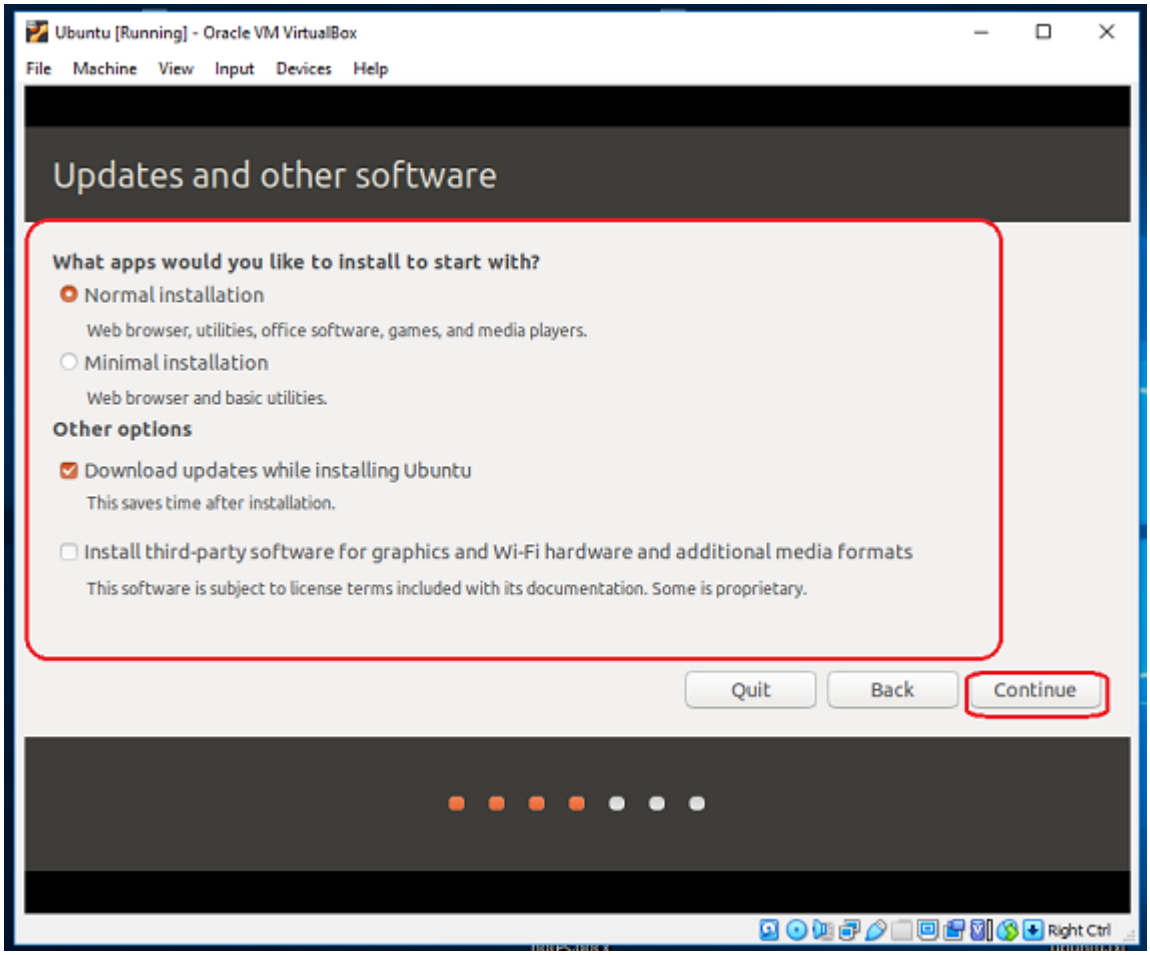
Step 4

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



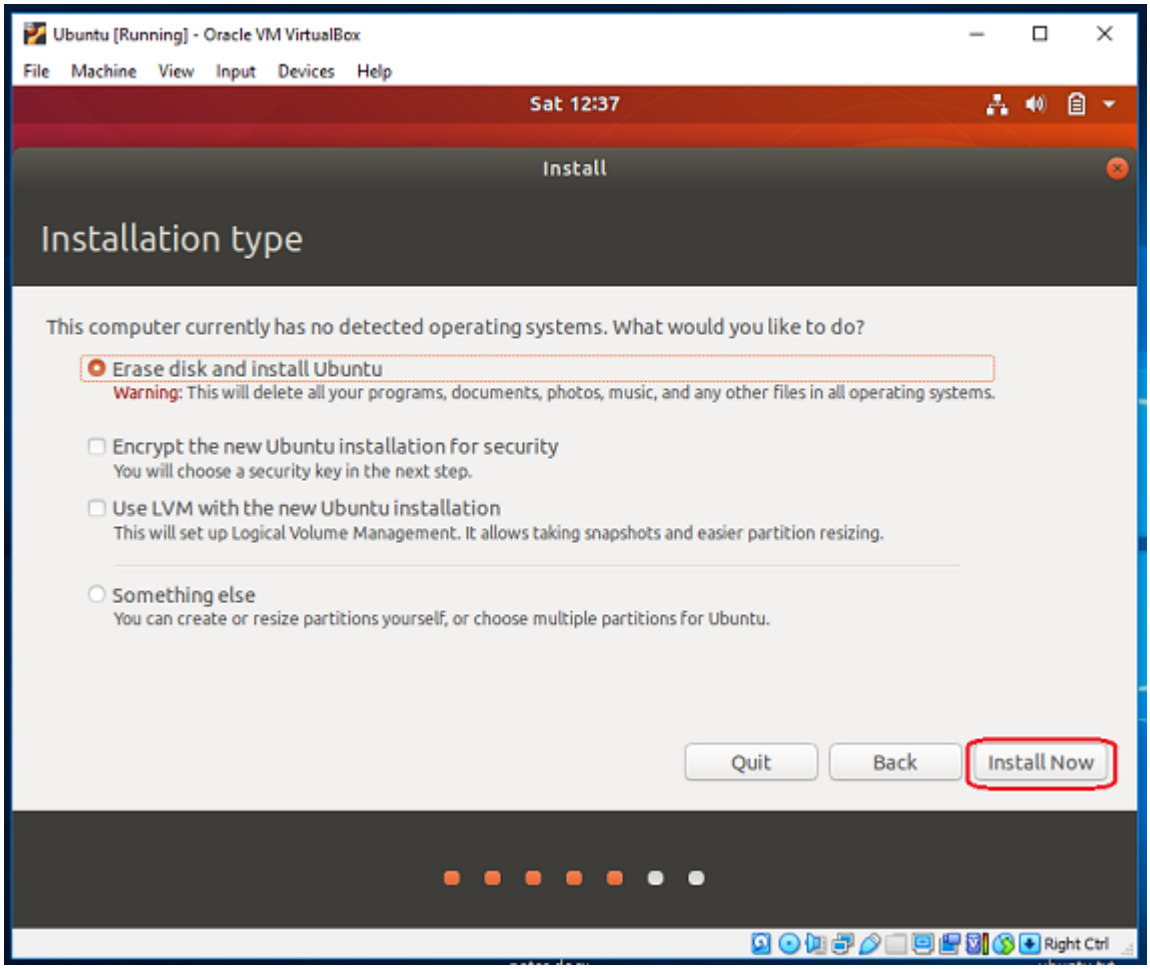
Step 5

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.

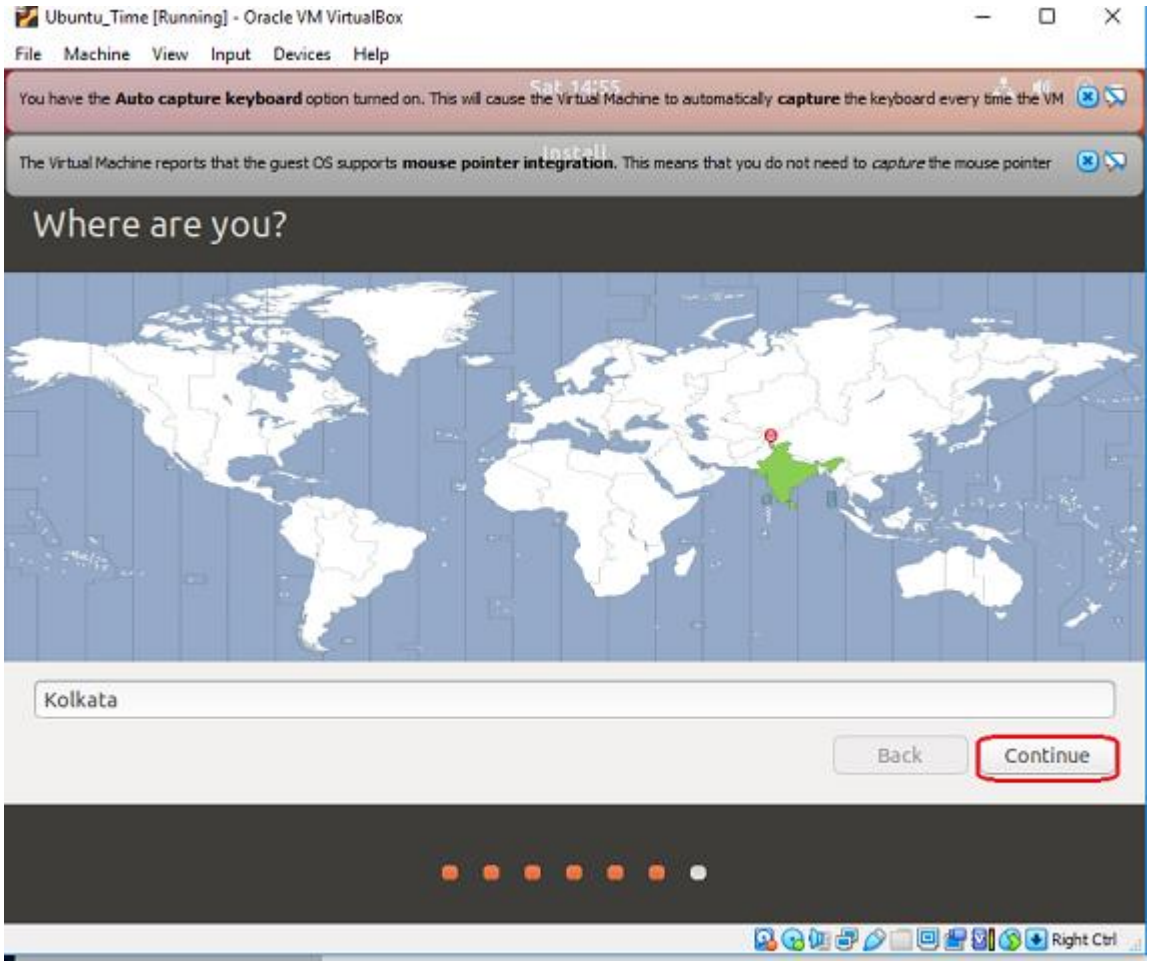


Step 7

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

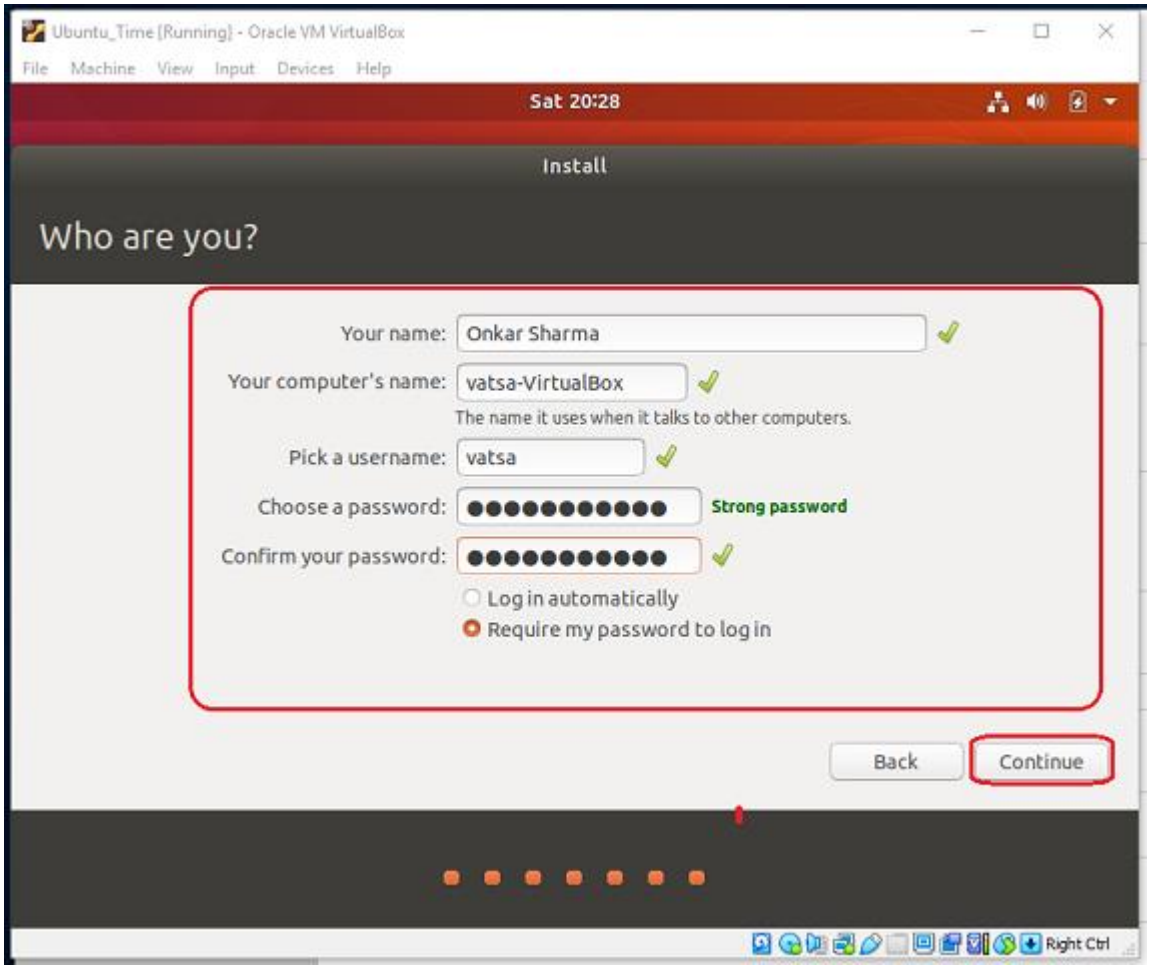
Step 8

Choose your time zone on the map and click Continue.

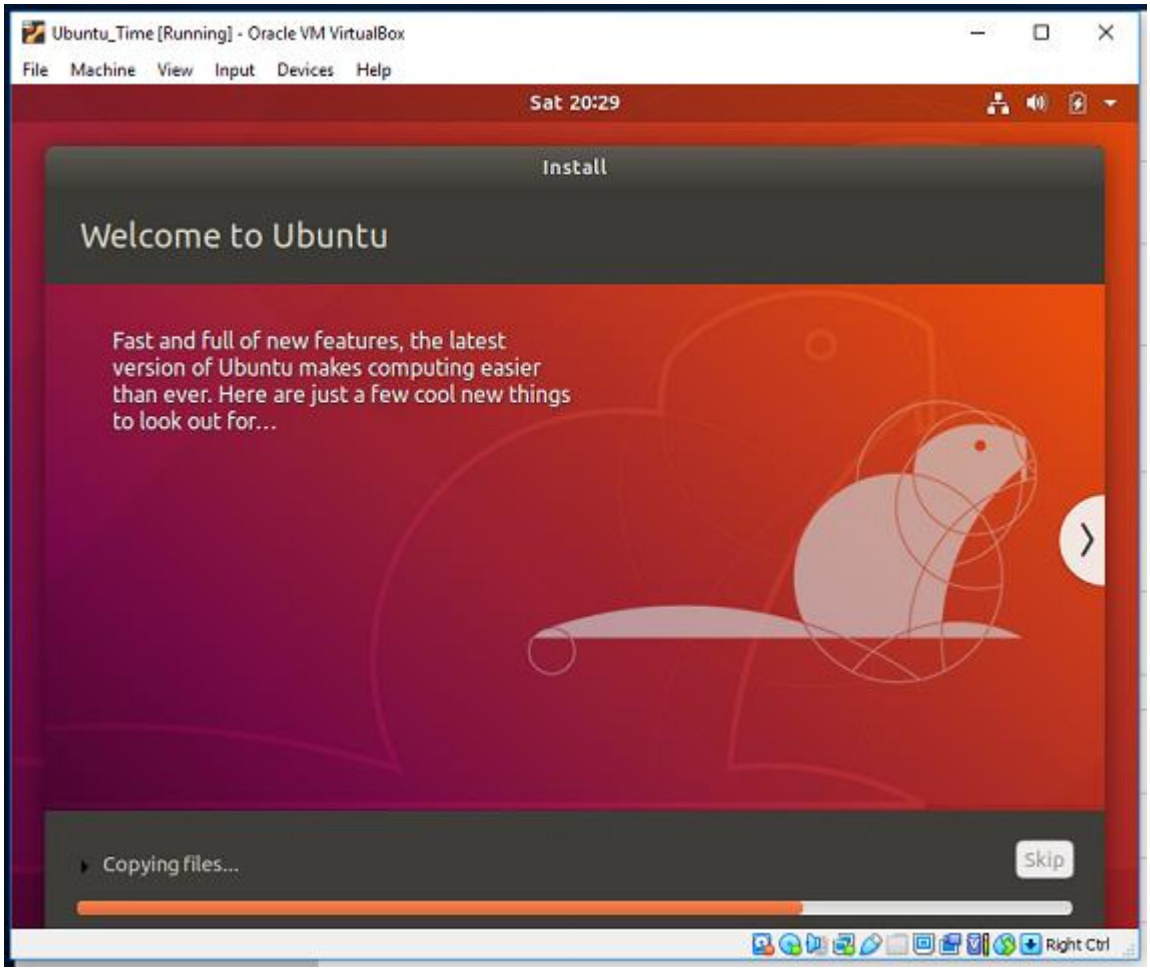


Step 9

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

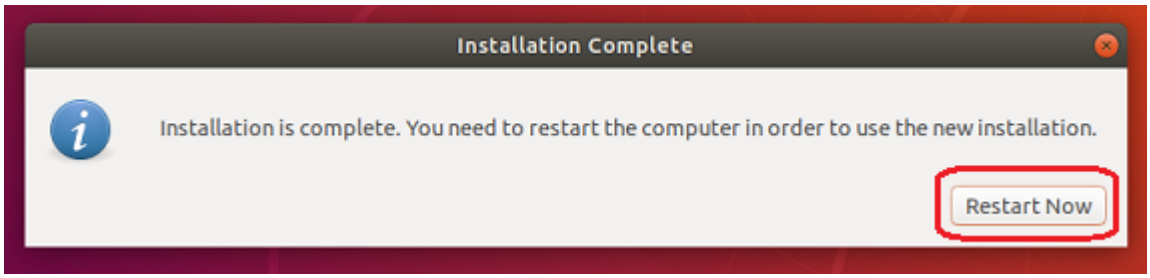


Now, the installation process will begin.

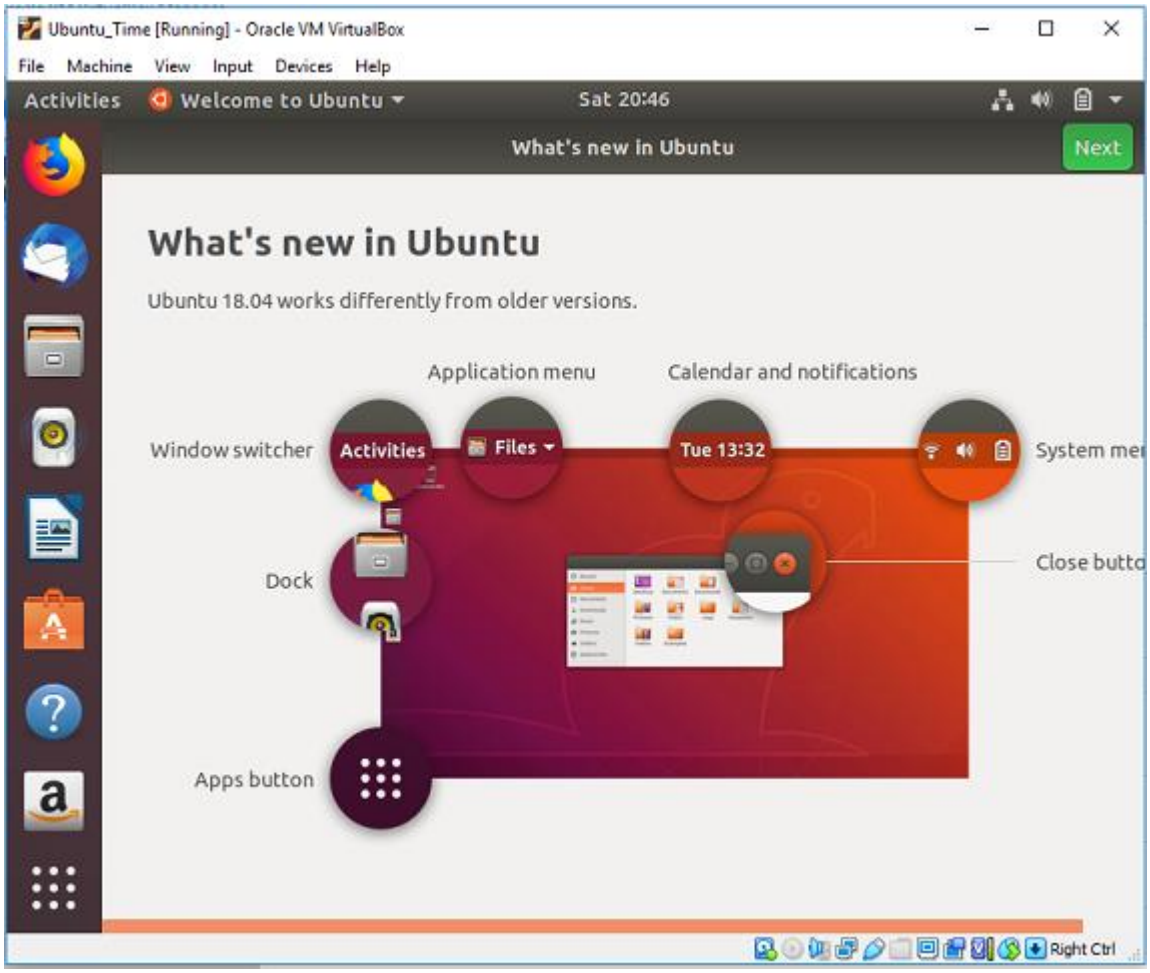


Step 10

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



Congratulations! you have successfully installed and configured Ubuntu on Windows 10 using VirtualBox and the Welcome screen will appear.


Ubuntu_Time [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities
Welcome to Ubuntu
Sat 20:46
What's new in Ubuntu
Next
What's new in Ubuntu
Ubuntu 18.04 works differently from older versions.
Application menu
Calendar and notifications
Window switcher
Activities
Files
Tue 13:32
System me
Dock
Close butto
Apps button
Right Ctrl