Nimra Siddiqui

LAB-01

Download and Install VirtualBox

Step 1

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

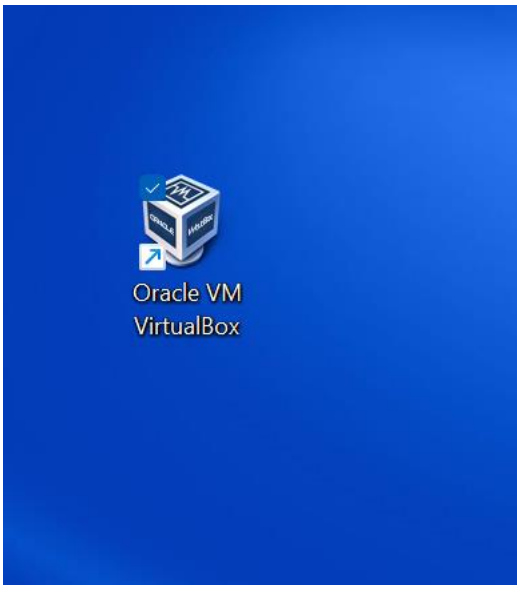
Step 2

Download the VirtualBox

Step 3

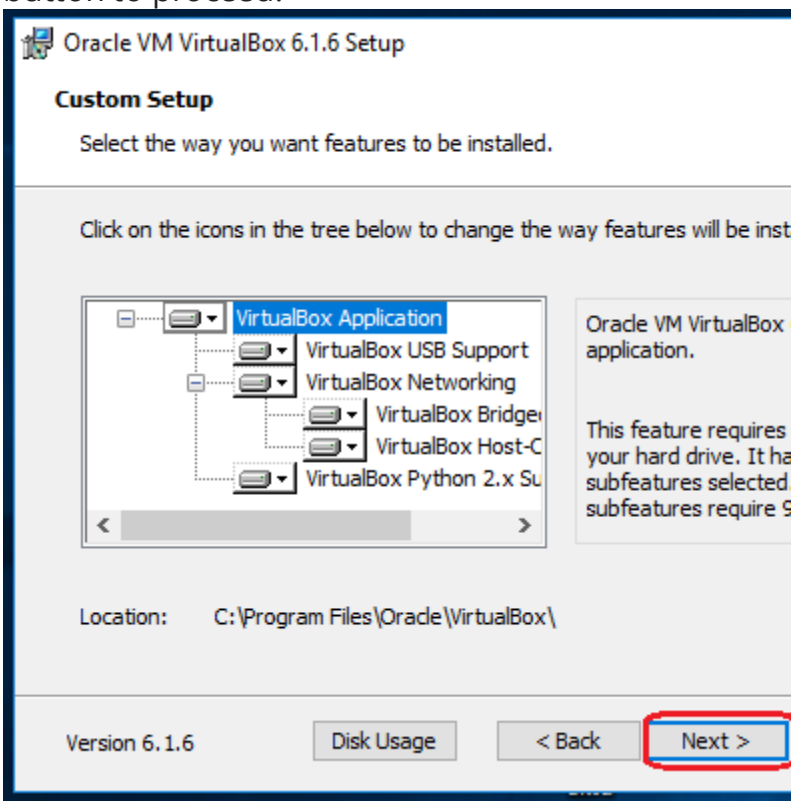
Go on the desktop and open "VirtualBox".

Nimra Siddiqui



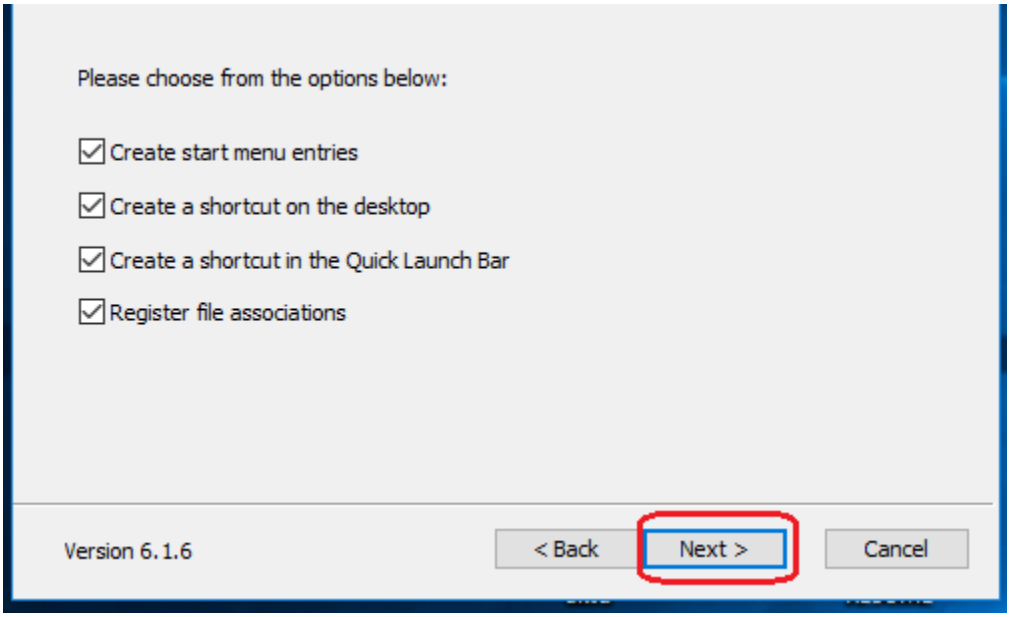
Step 5

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



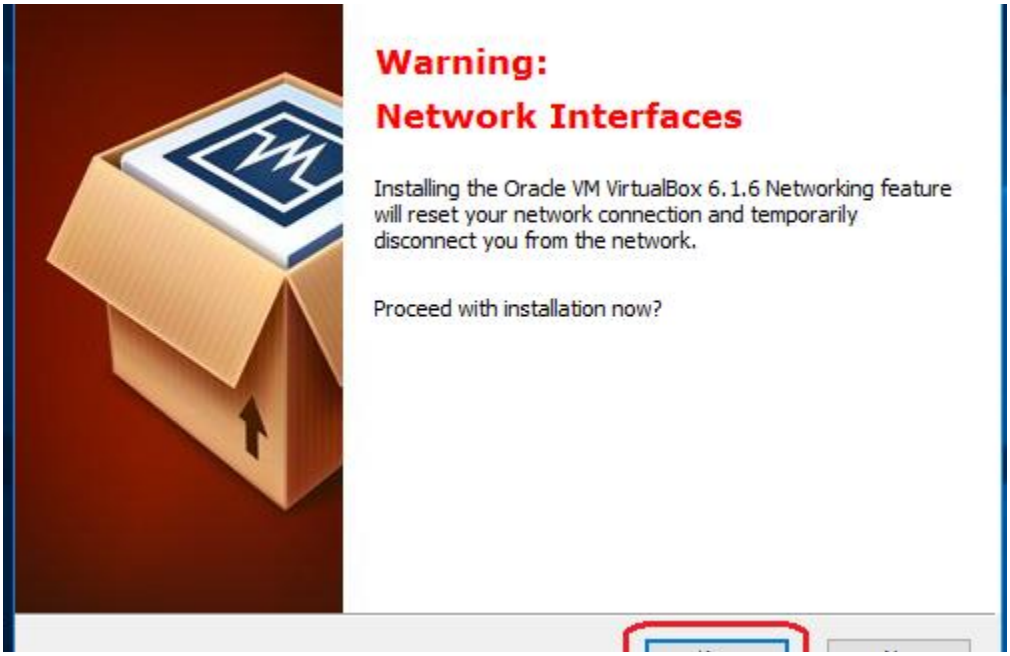
Step 6

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.



Nimra Siddiqui

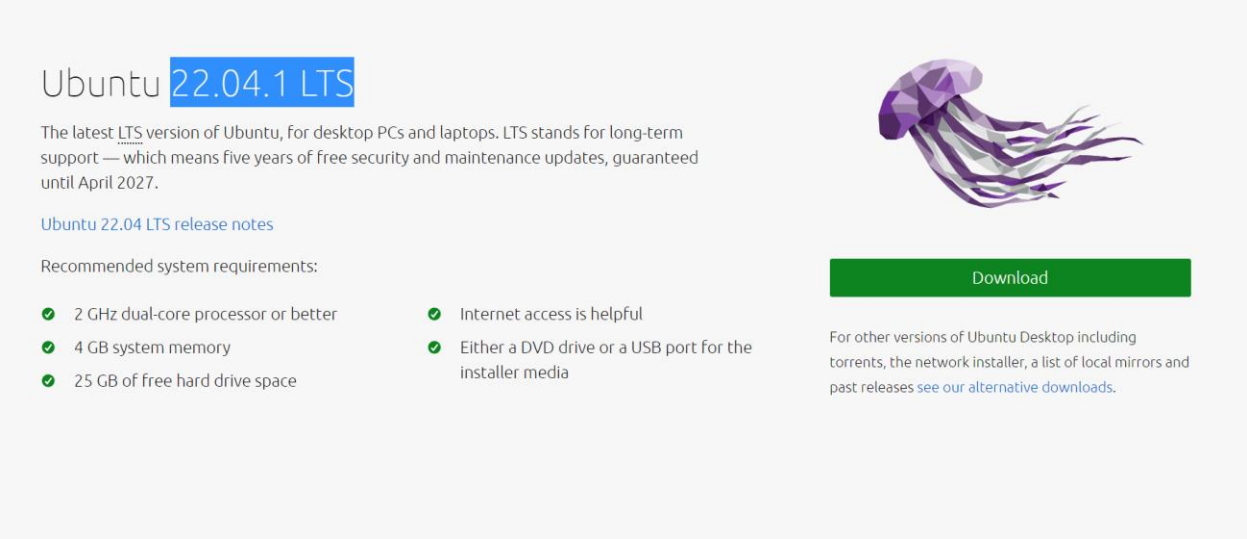
Download Ubuntu

Step 1

To download the latest version of Ubuntu, i.e. Ubuntu **22.04.1 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 22.04.1 LTS**(long term support).**

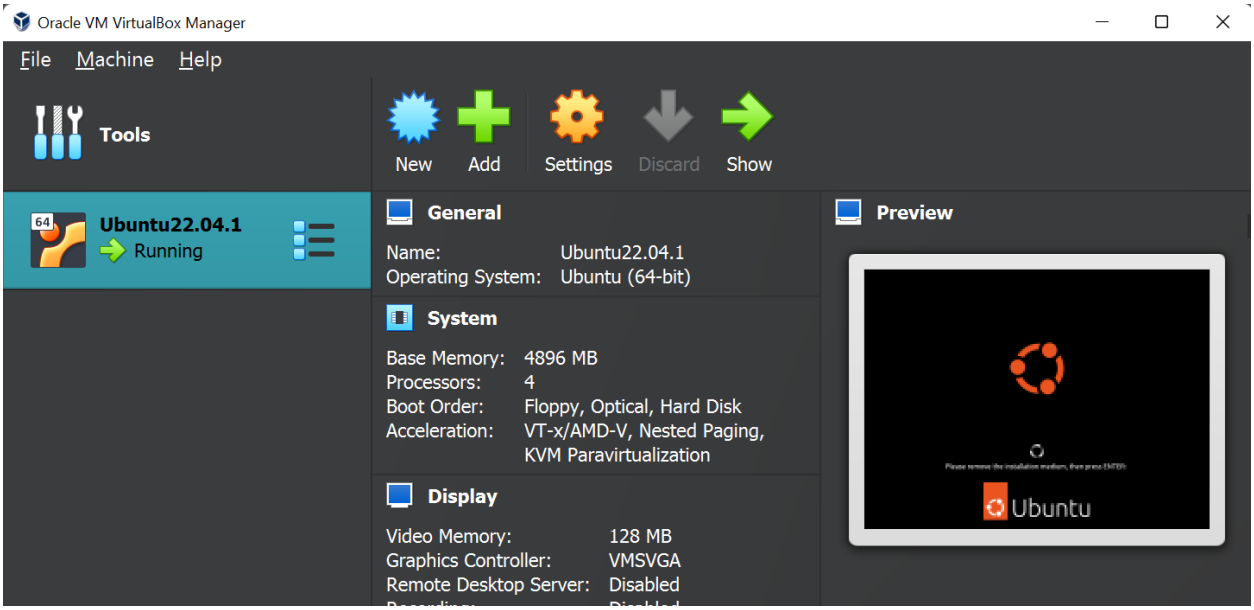


Creating a Virtual Machine

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.
Name = Ubuntu **22.04.1**
Type=Linux
Version=Ubuntu_64

Step 3

With the help of the slider, choose the amount of memory (RAM) to be allocated to the virtual machine.

Step 4

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

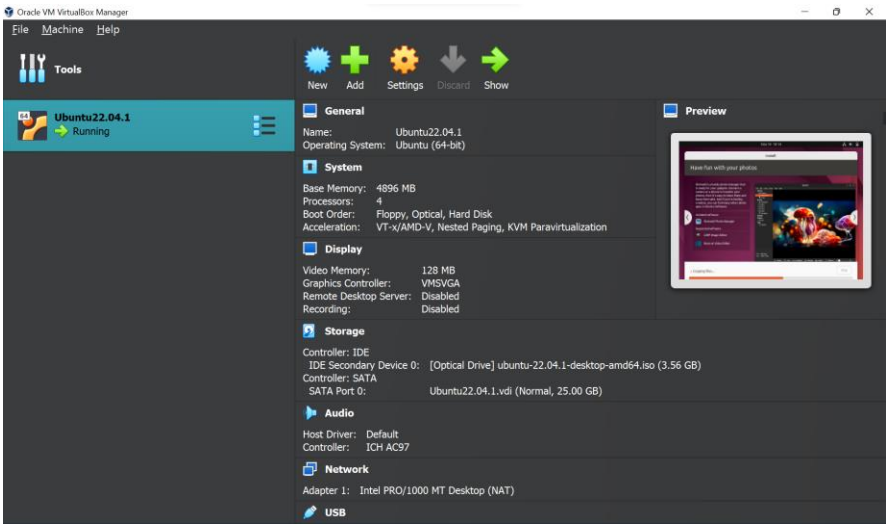
Step 5

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

Step 1

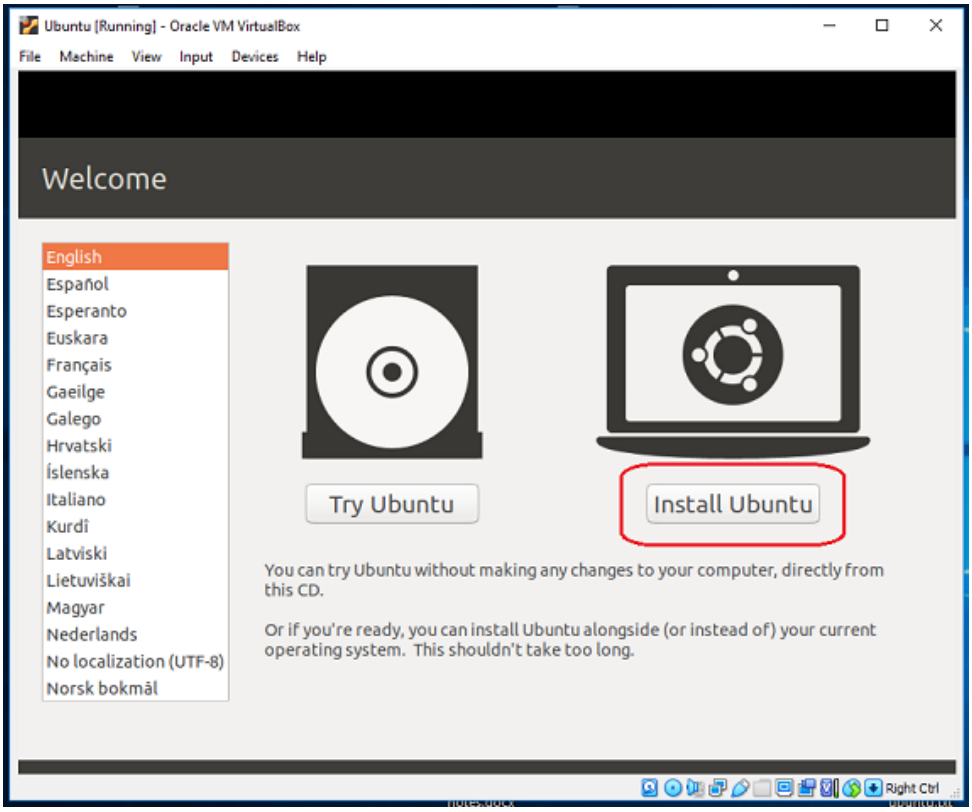
The name of your virtual machine will now appear on the left side of the VirtualBox Manager. Click on the "Start" button in the toolbar to launch your VM.



Step 2

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

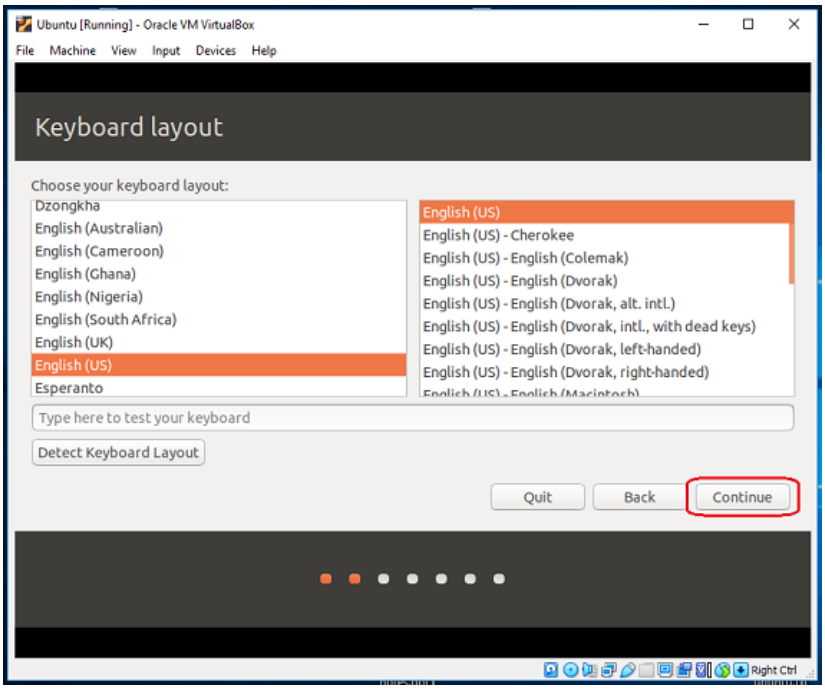
Nimra Siddiqui



Step 3

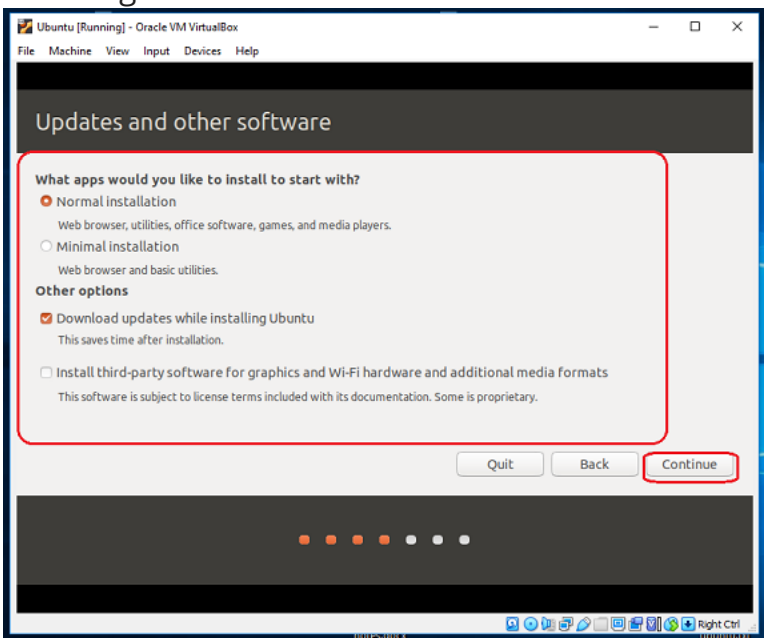
Select your desired "keyboard layout" and click on the "Continue" button to proceed.

Nimra Siddiqui



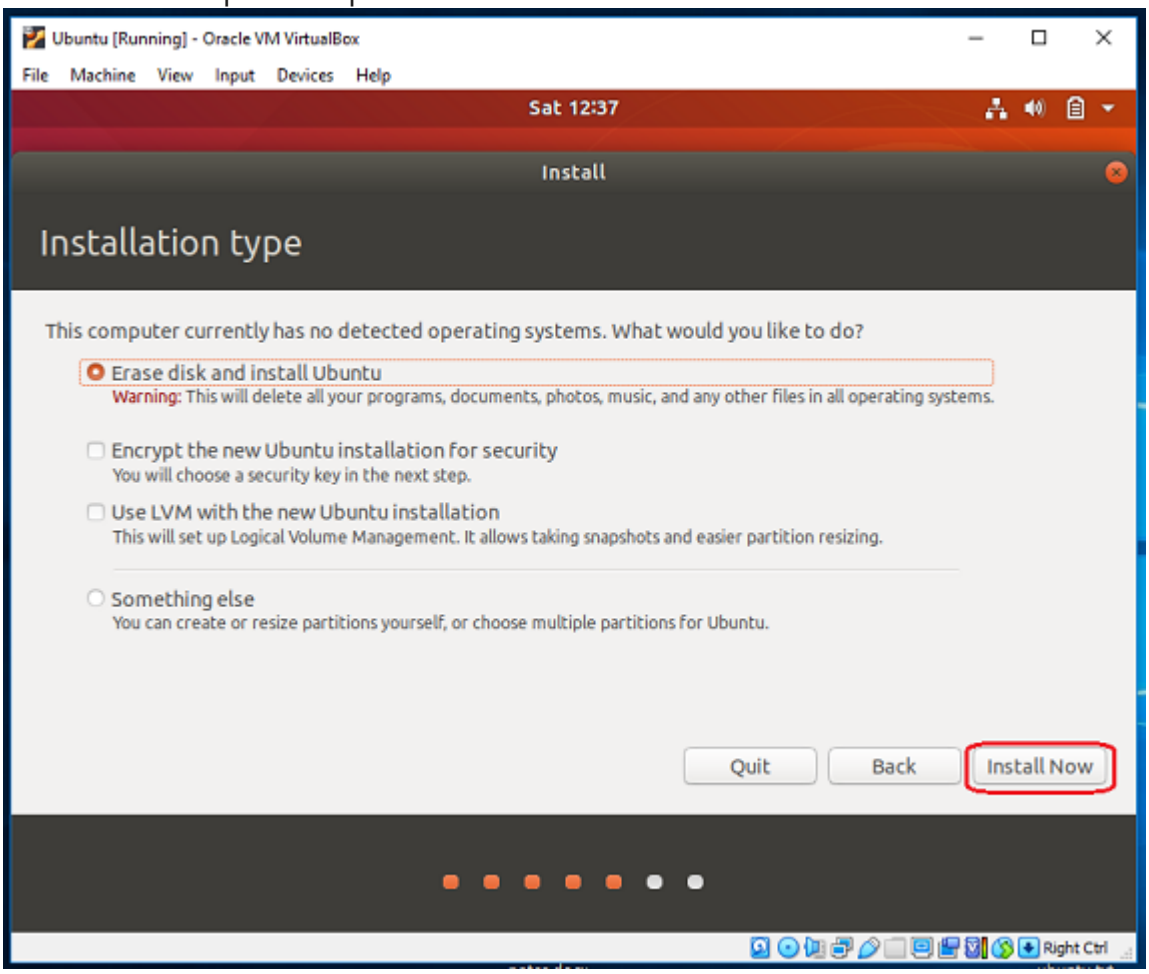
Step 4

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



Step 5

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



Step 6

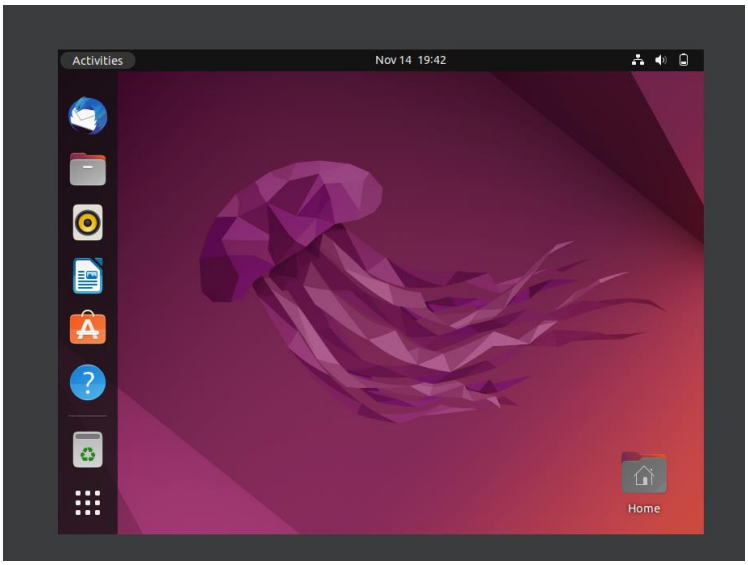
A warning prompt will appear on the screen and click on the "Continue" button to ignore this warning.

Step 7

Choose your time zone on the map and click Continue.

Step 8

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



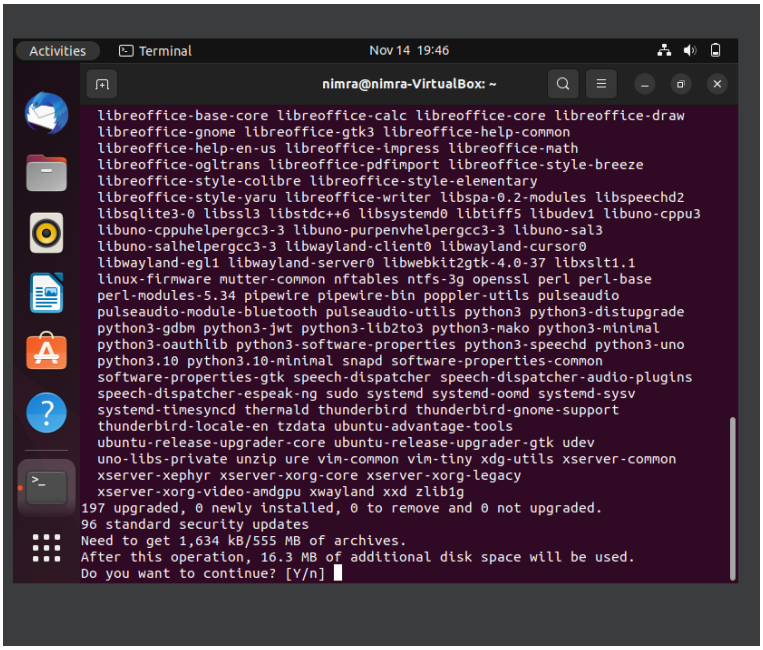
Install a LAMP (Linux+Apache+MySQL+PHP/Python) stack in your guest Ubuntu Linux, and start up a simple PHP/Python dynamic web page (for example showing phpinfo() or server info

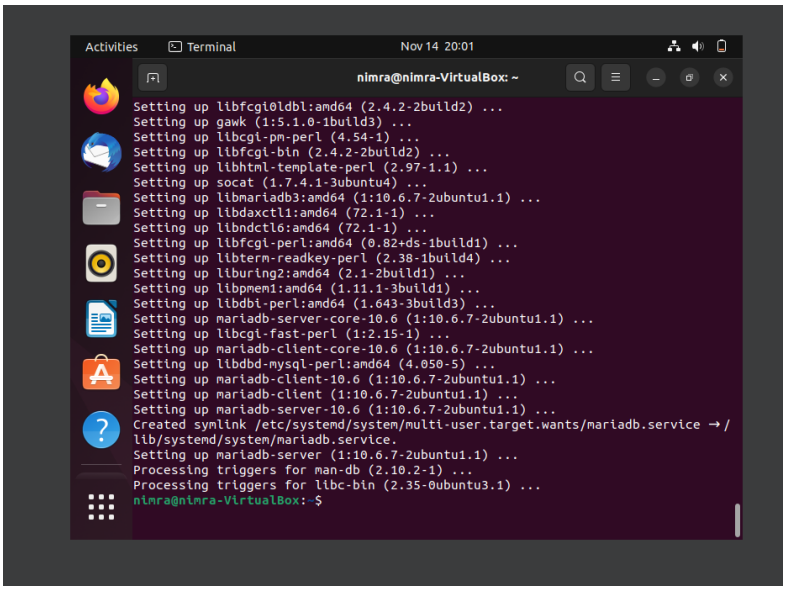
To install Apache on Ubuntu, run the commands below:

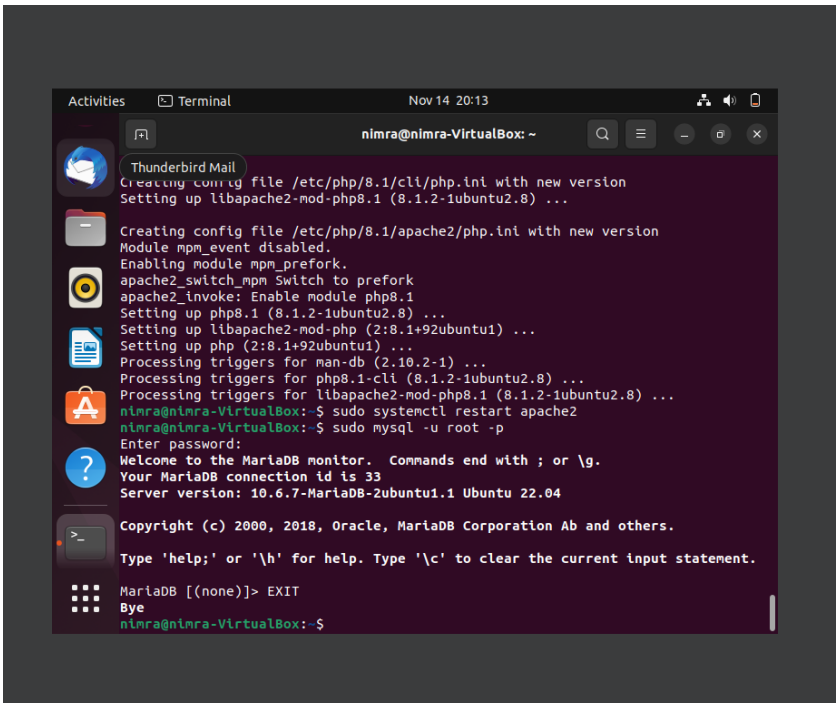
```
sudo apt update
```

```
sudo apt install apache2
```

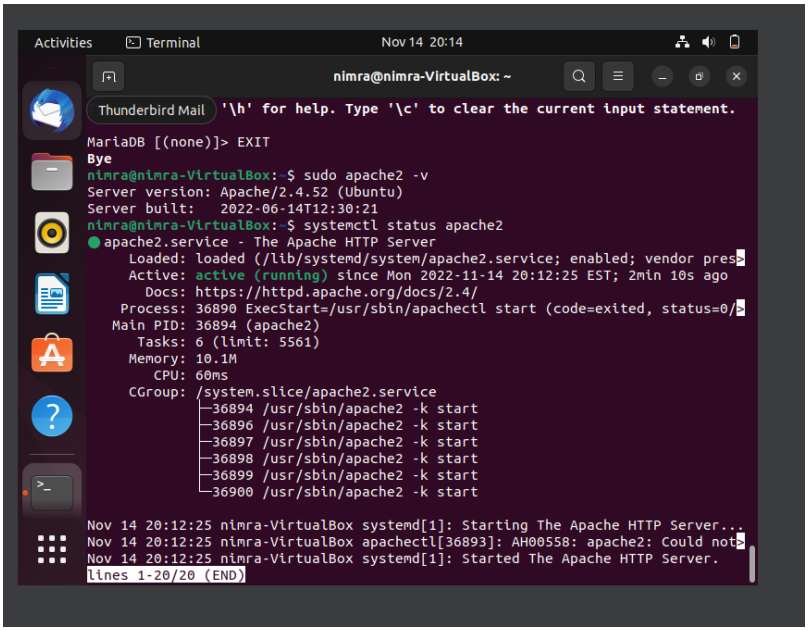
To install LAMP I write different commands ion the terminal window bu using and following the steos in the given link----------**https://phoenixnap.com/kb/how-to-install-lamp-in-ubuntu**







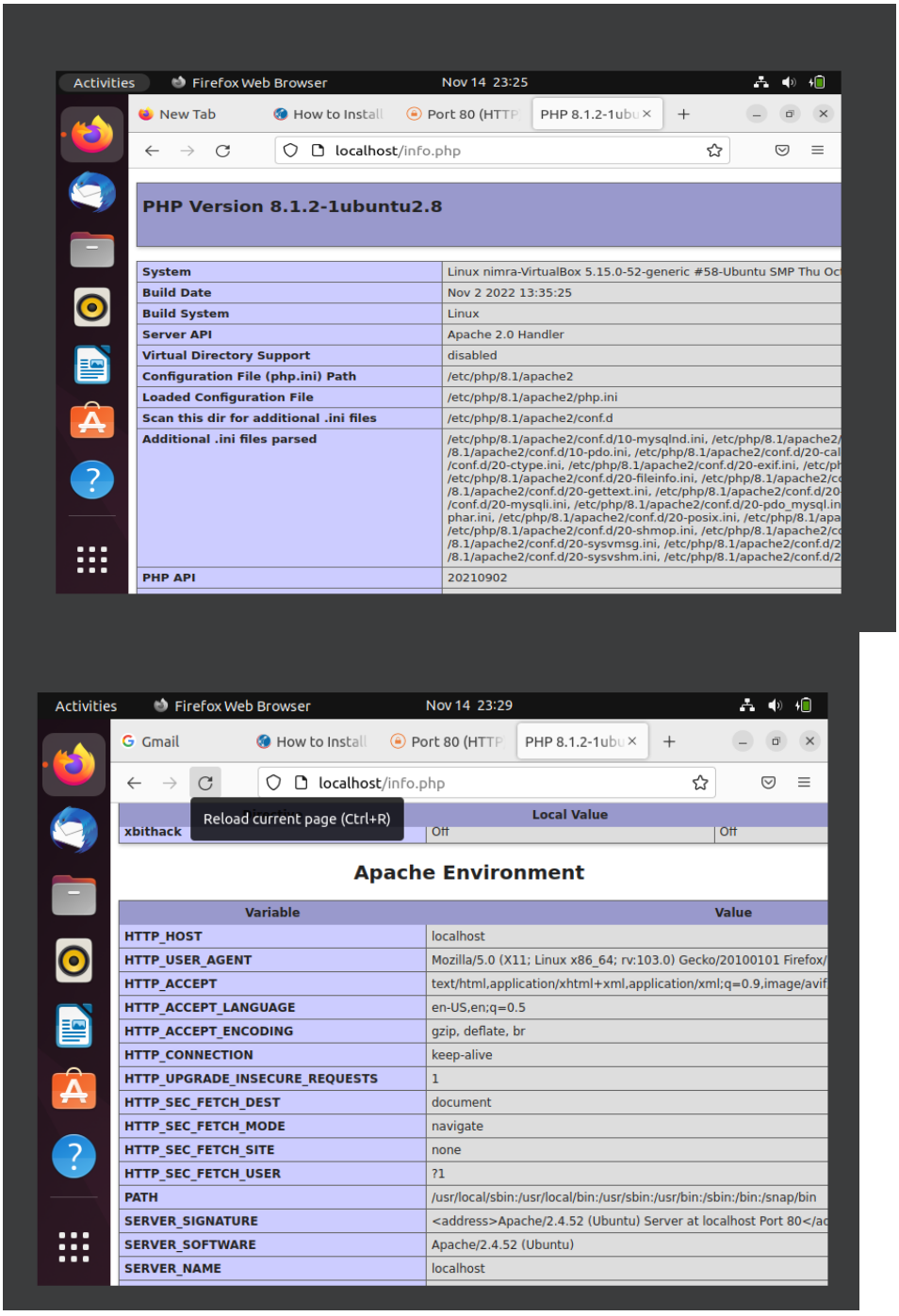
Confirm and checking apache version and status respectively



Open an internet browser and type the following address:

`localhost/info.php`

The output is displaying the details of the LAMP stack, as seen in the image below:



Nimra Siddiqui