

Module 4: Log Server 2.0 and alerting in Nagios

Demo Document 1

Demo: Demo on Nagios Xi with Log Server.

Problem Statement:

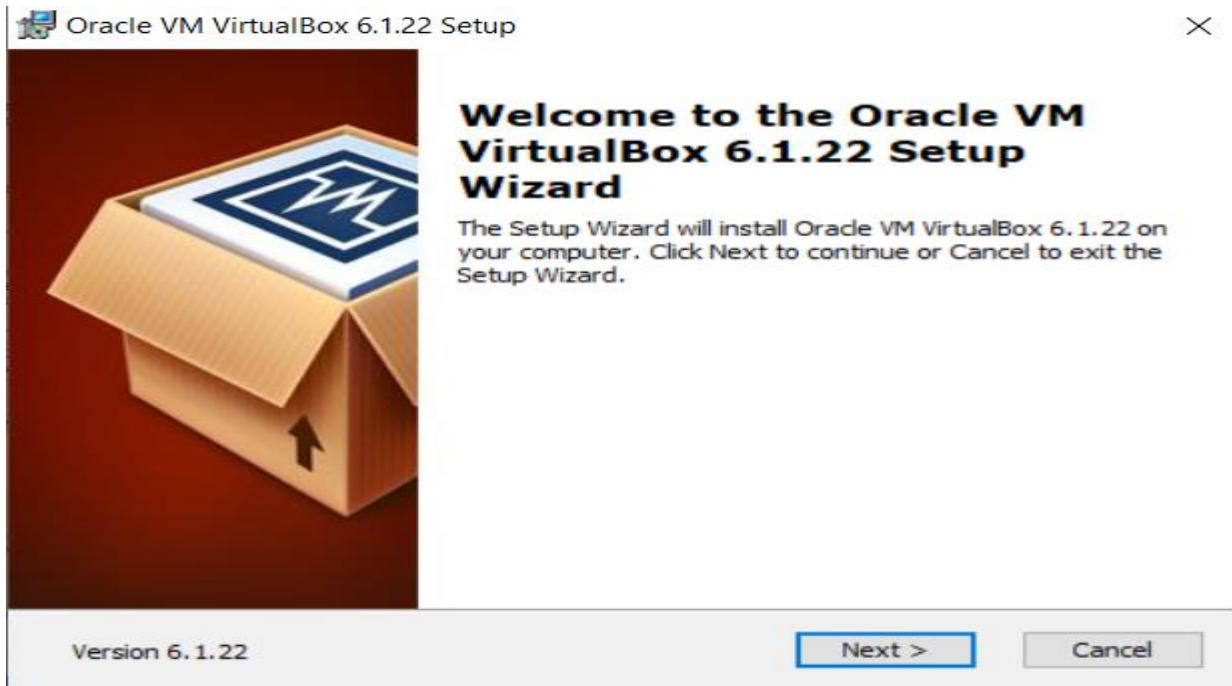
In this demo you will see how to configure Nagios Xi with Log Server.

Solution Steps:

1. Let us **INSTALL** and **CONFIGURE NAGIOS LOG SERVER** on **UBUNTU SERVER**. So, first you need to download the **VIRTUALBOX** in your local system using URL - <https://www.virtualbox.org/wiki/Downloads>
Now click on **WINDOWS HOST** as shown in the below screenshot.



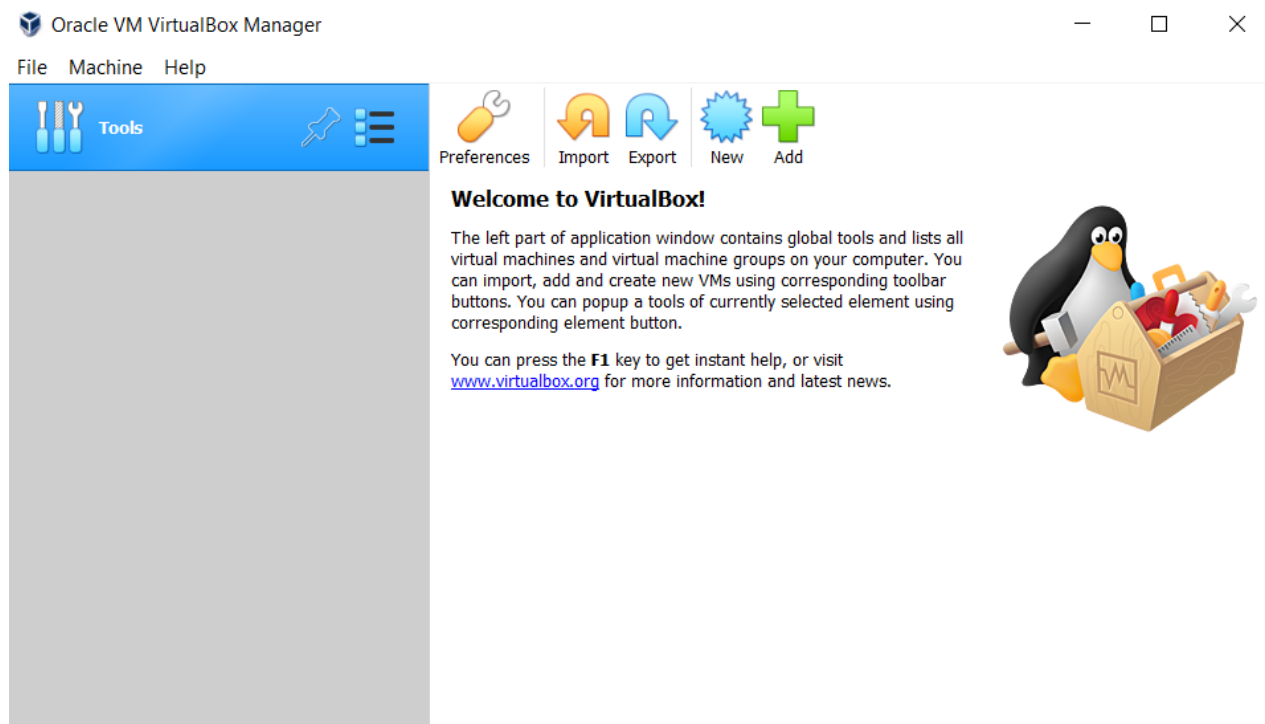
2. Once the **VIRTUALBOX** file is downloaded successfully then click on the file to **start** the installation setup as shown in the below screenshot.



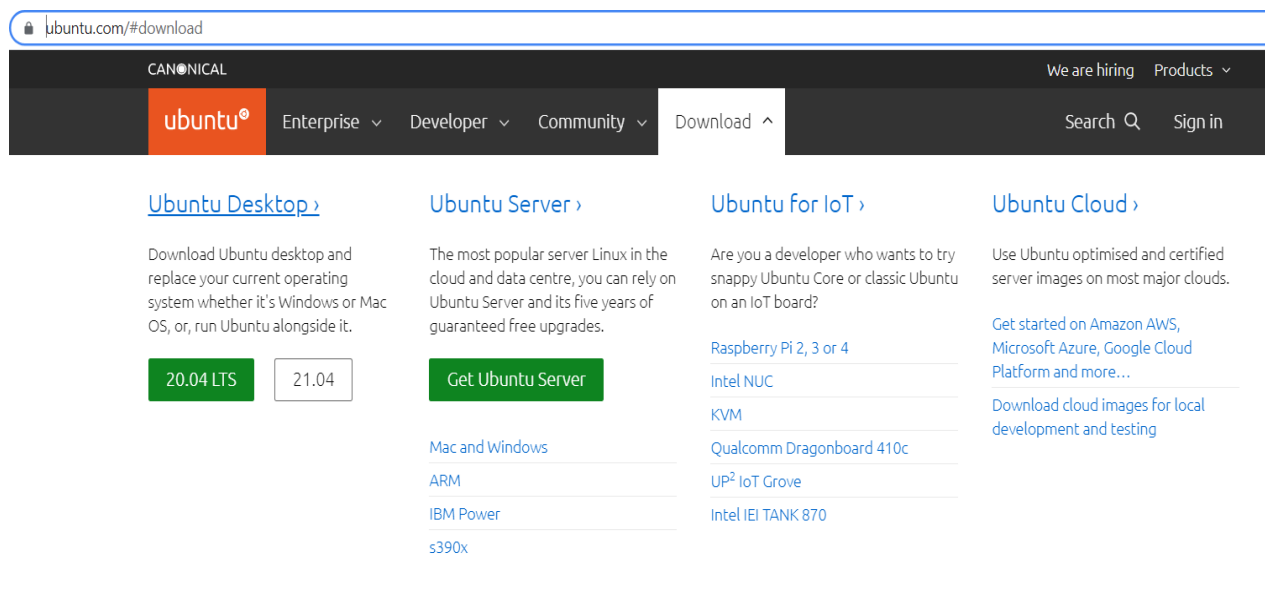
3. You need to keep settings as **DEFAULT** and click on **NEXT** options until you **FINISH** the **VIRTUALBOX** installation.



4. Now **VIRTUALBOX** is installed successfully as shown in the below screenshot.




5. Now you need to download the **UBUNTU 20.04 LTS ISO** file using URL - <https://ubuntu.com/#download>
Click on **20.04 LTS** to download the ISO file.

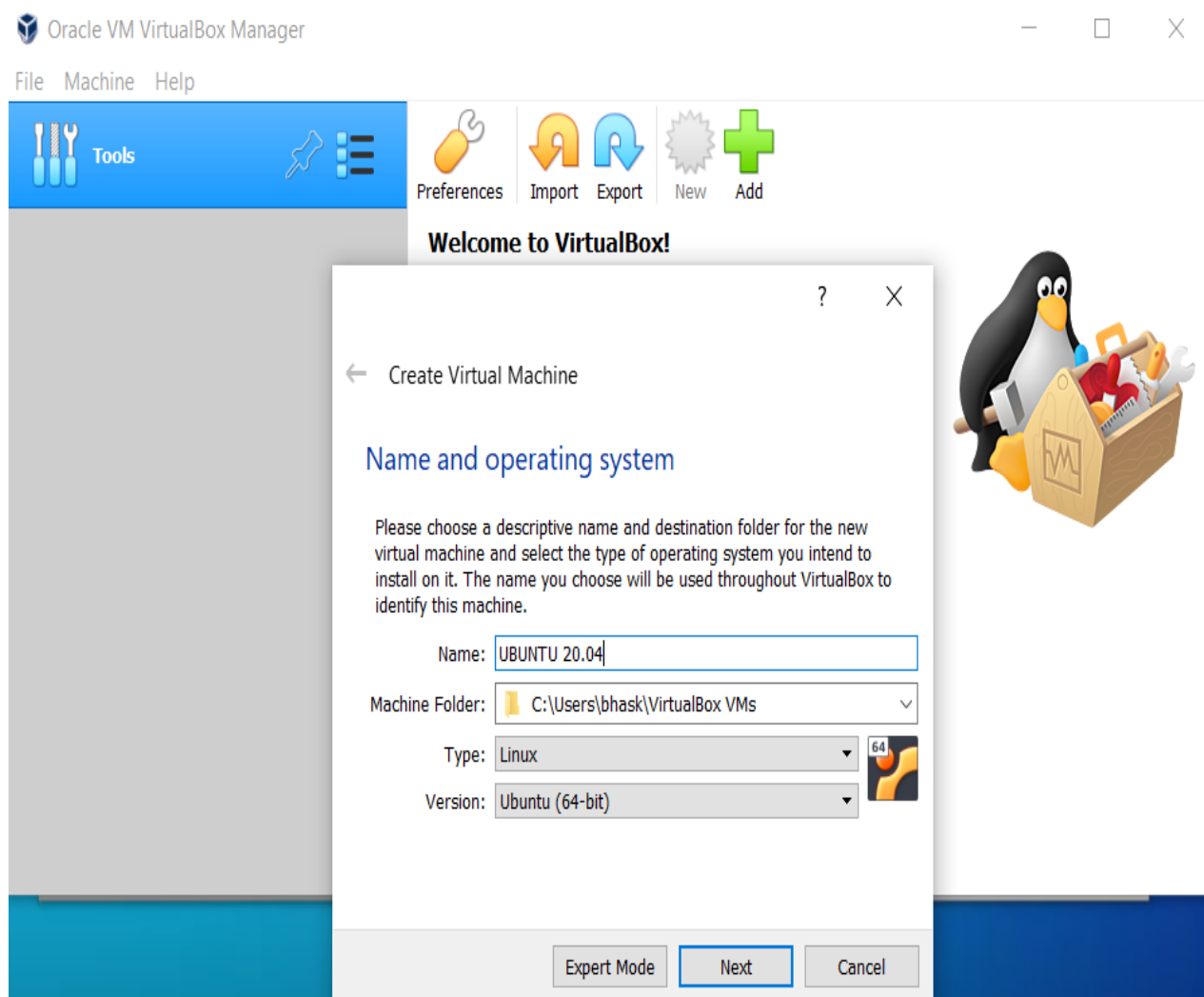


6. Now **UBUNTU 20.04 LTS ISO** file **downloaded** successfully.

This PC > Windows-SSD (C:) > Users > bhask > Downloads

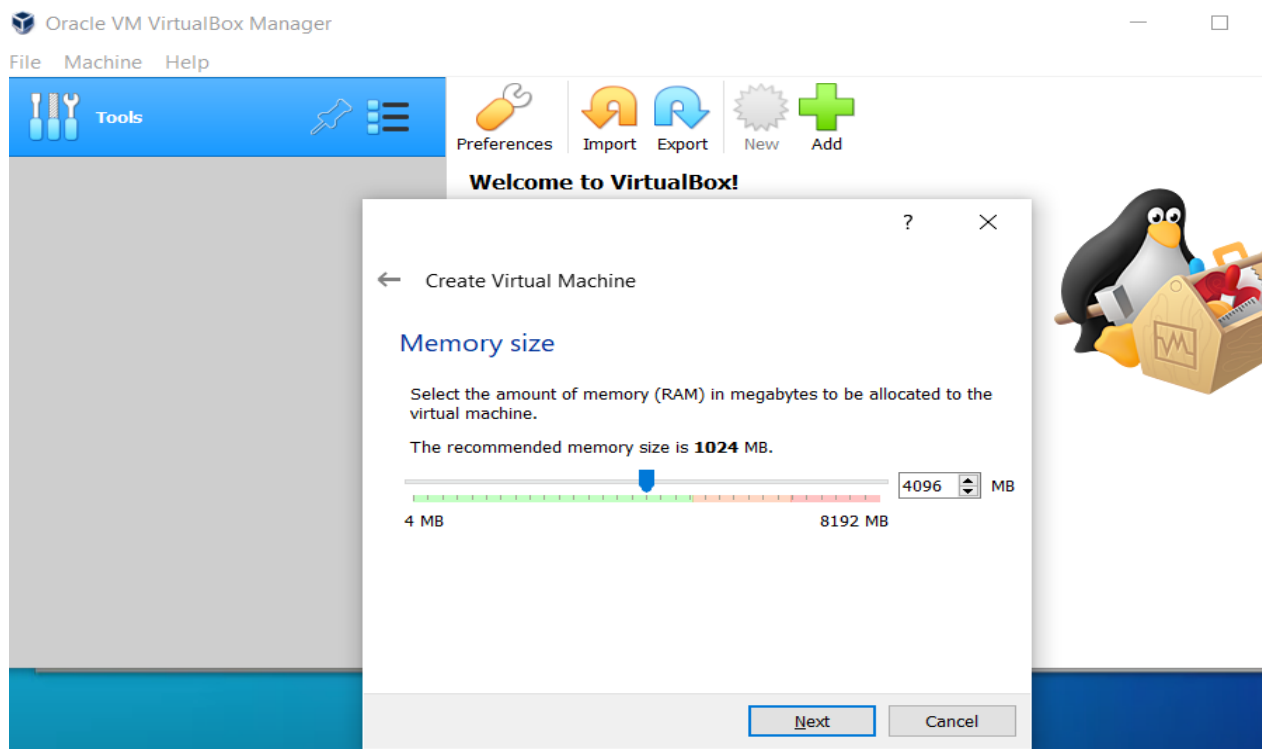
Name	Date modified	Type	Size
▼ Today (2)			
 ubuntu-20.04.2.0-desktop-amd64	05-07-2021 18:42	Disc Image File	28,09,792 ...

7. Navigate back to **VIRTUALBOX** and click on **NEW** icon. Now provide the details as mentioned in the below screenshot and click on **NEXT** button.

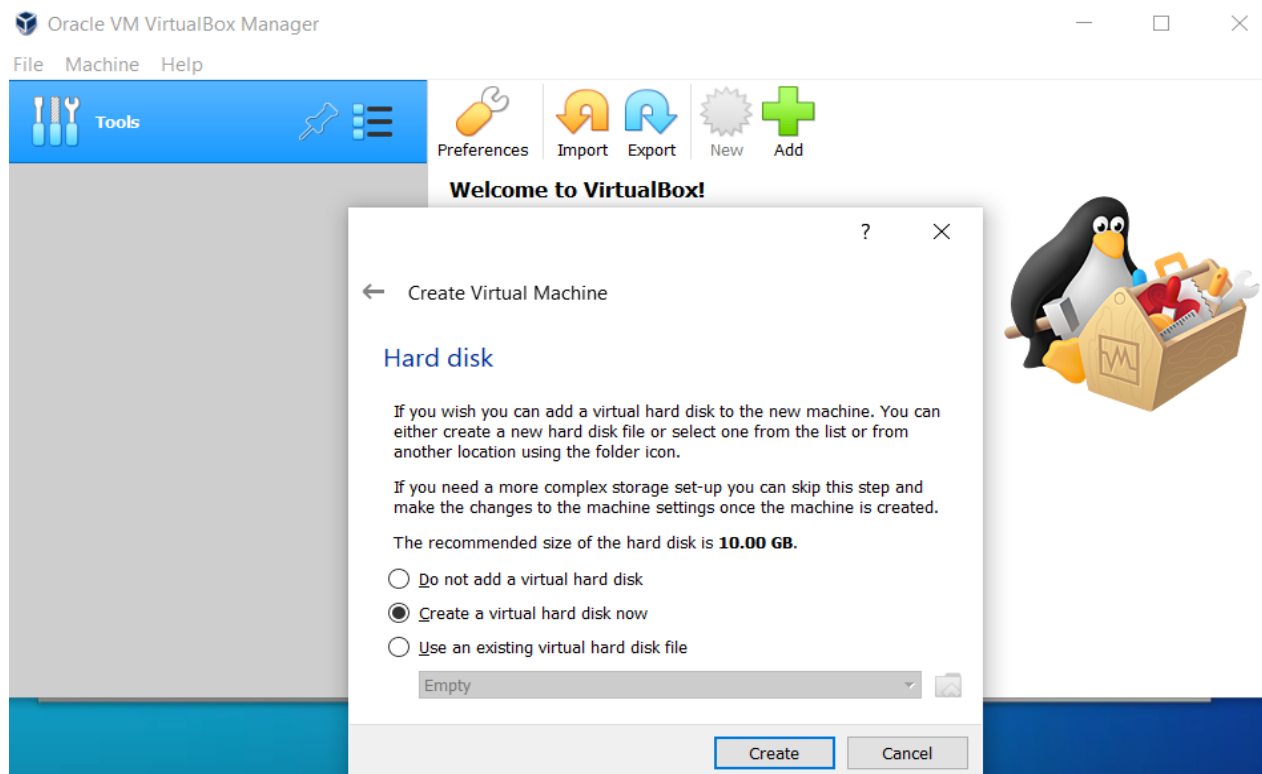


8. Now set **Memory size (RAM)** as **4096 MB** or **4 GB**.

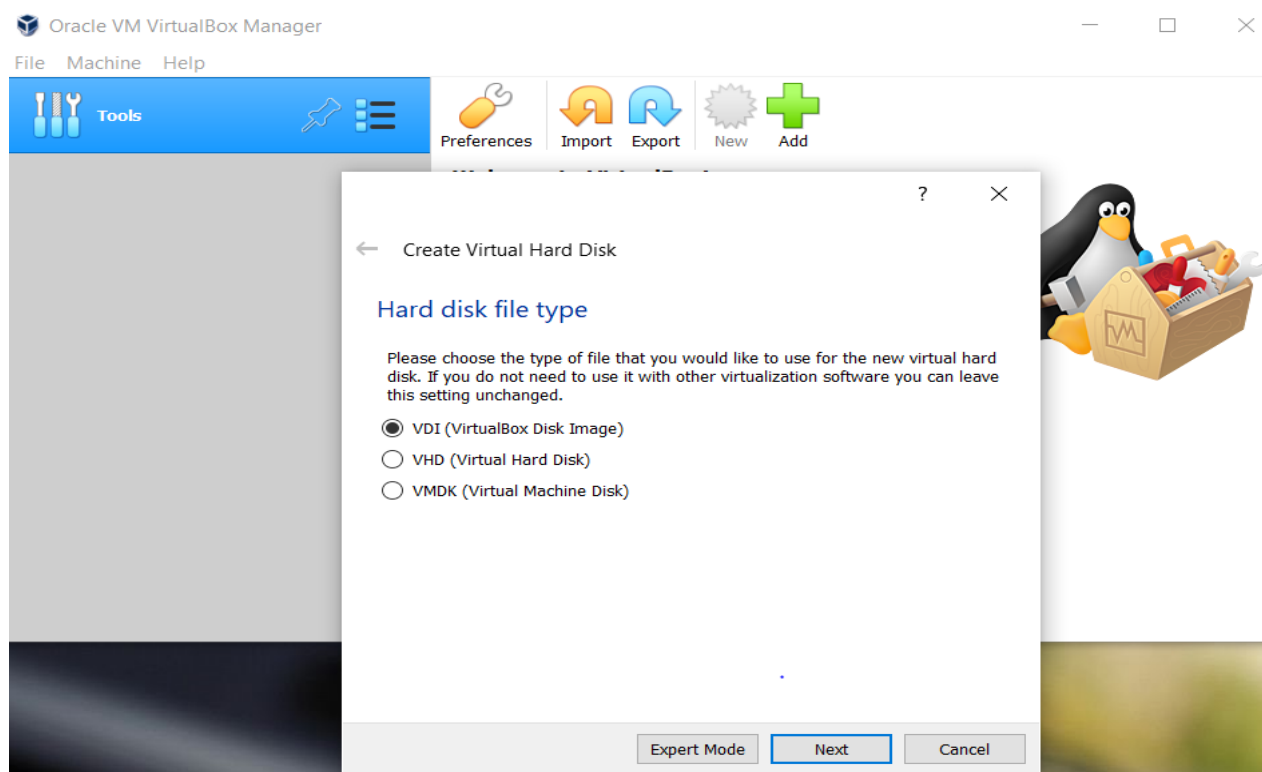
NOTE – You can set the Memory size (RAM) between 2 GB to 4 GB.



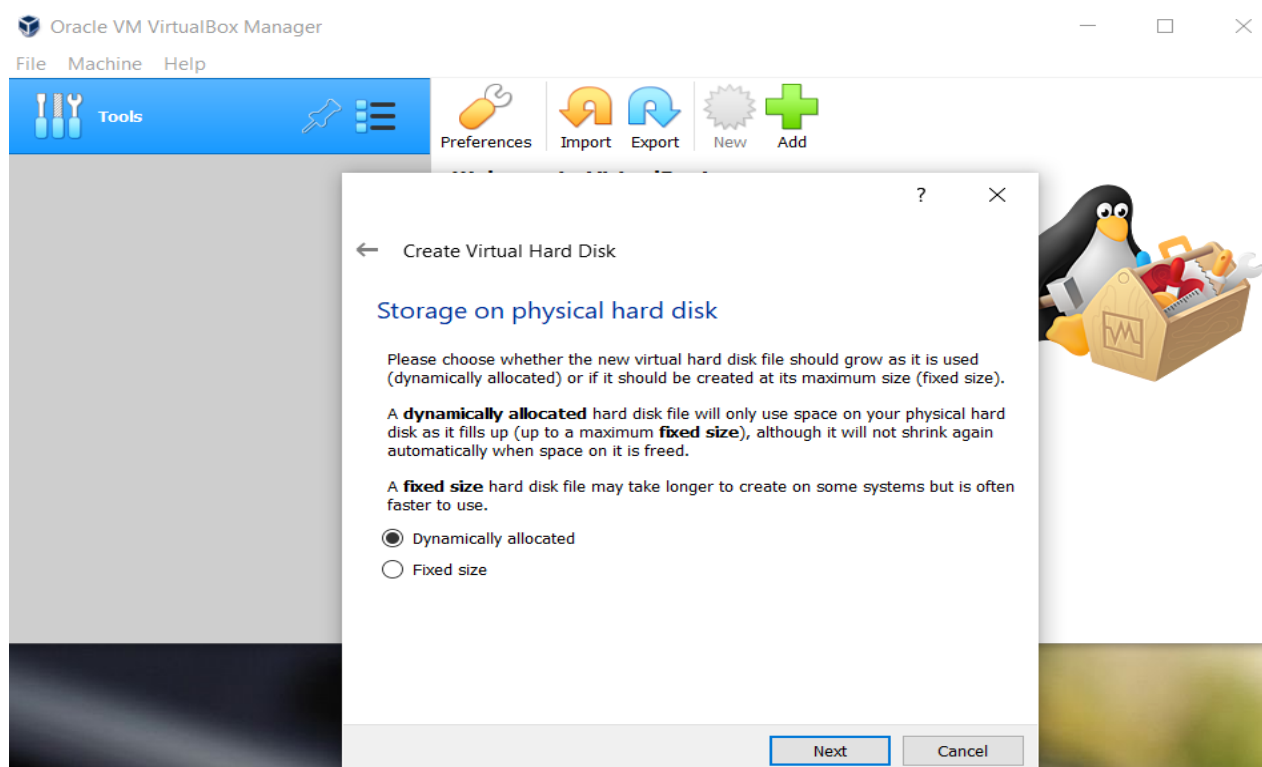
9. Select **Create a virtual hard disk now** and click on **CREATE** button.



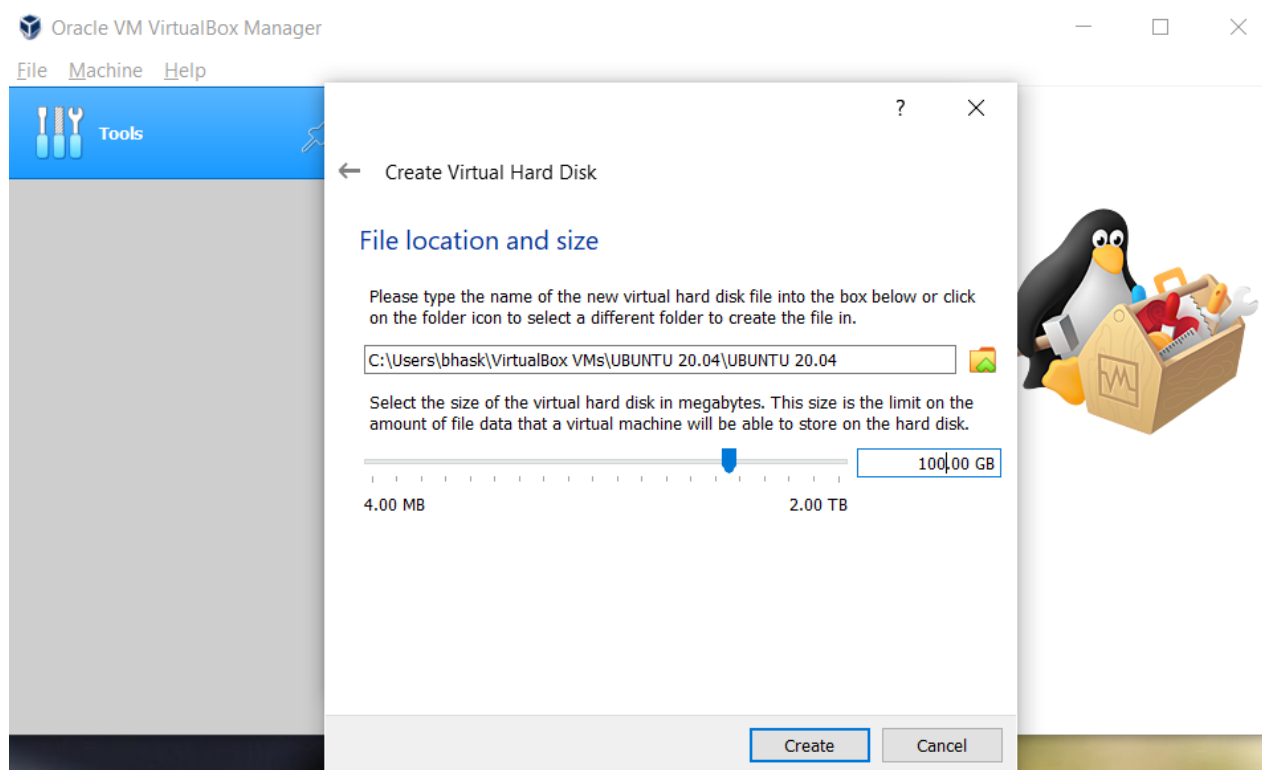
10. Now select **VDI** option and click on **NEXT**.



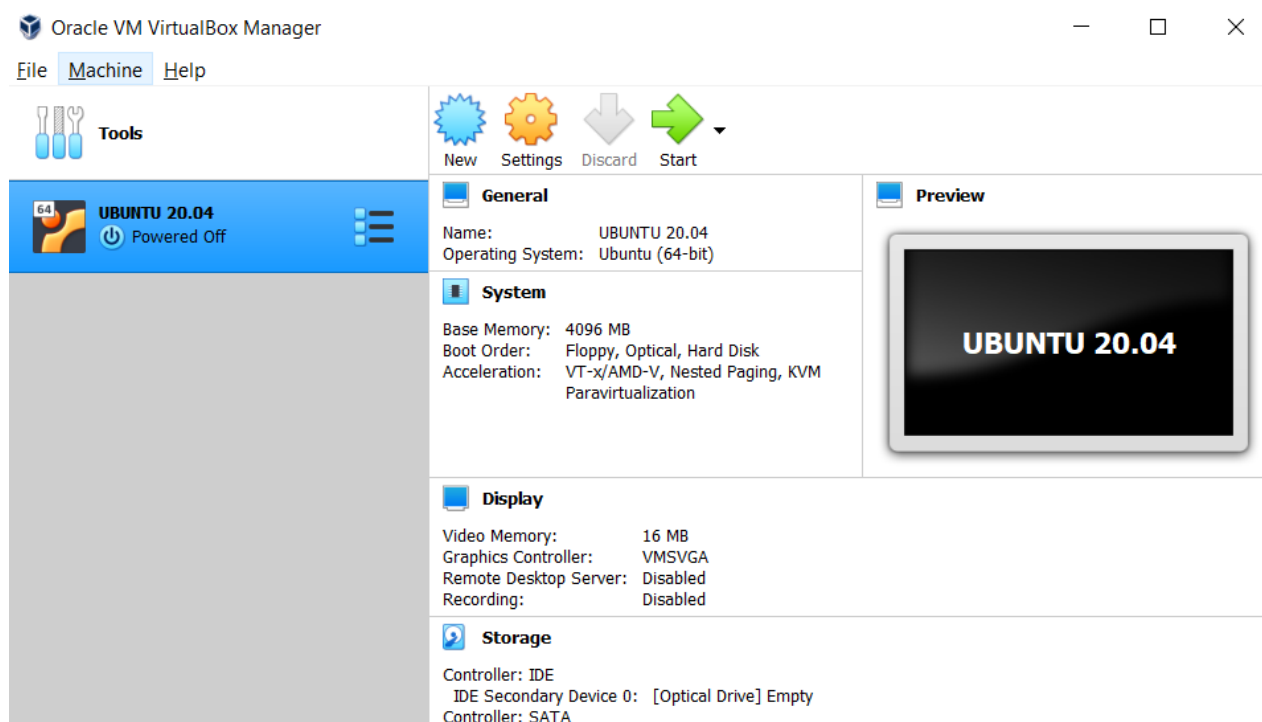
11. Select **Dynamically Allocated** option and click on **NEXT** button.



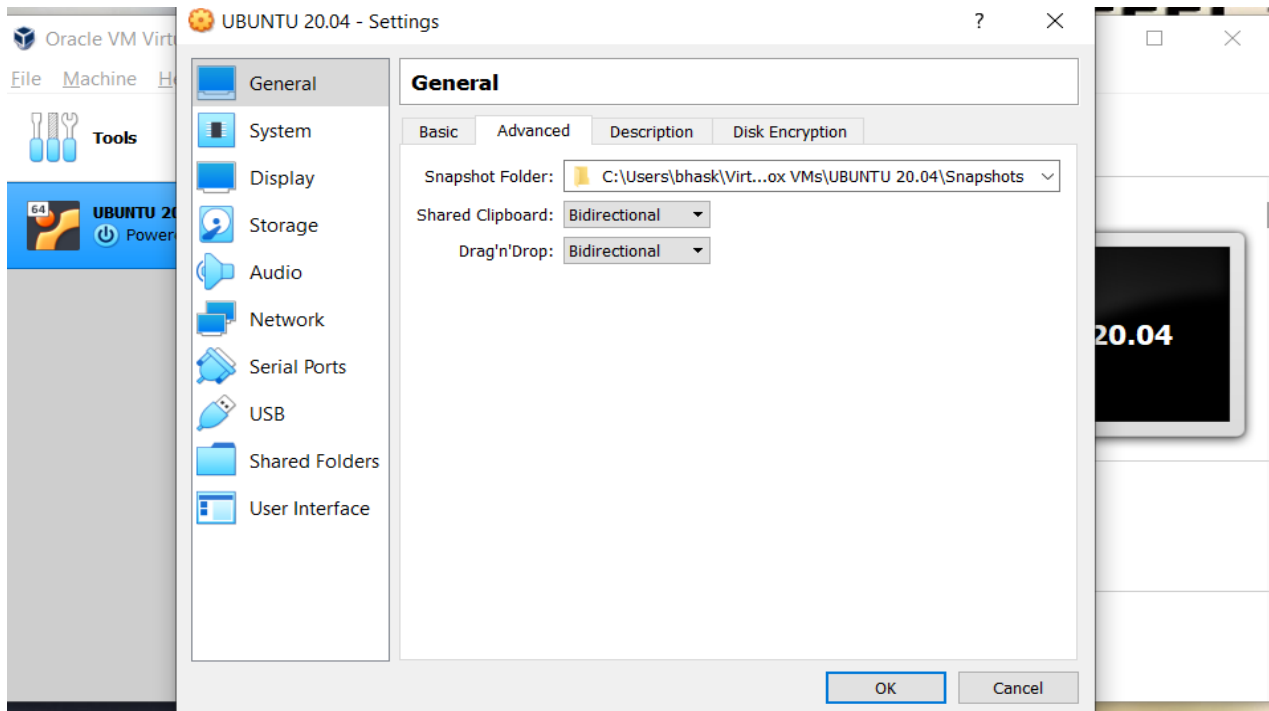
12. Select the **virtual hard disk size to 100 GB** and click on **CREATE**.



13. Now select **UBUNTU** machine from left panel and click on **SETTINGS** icon.

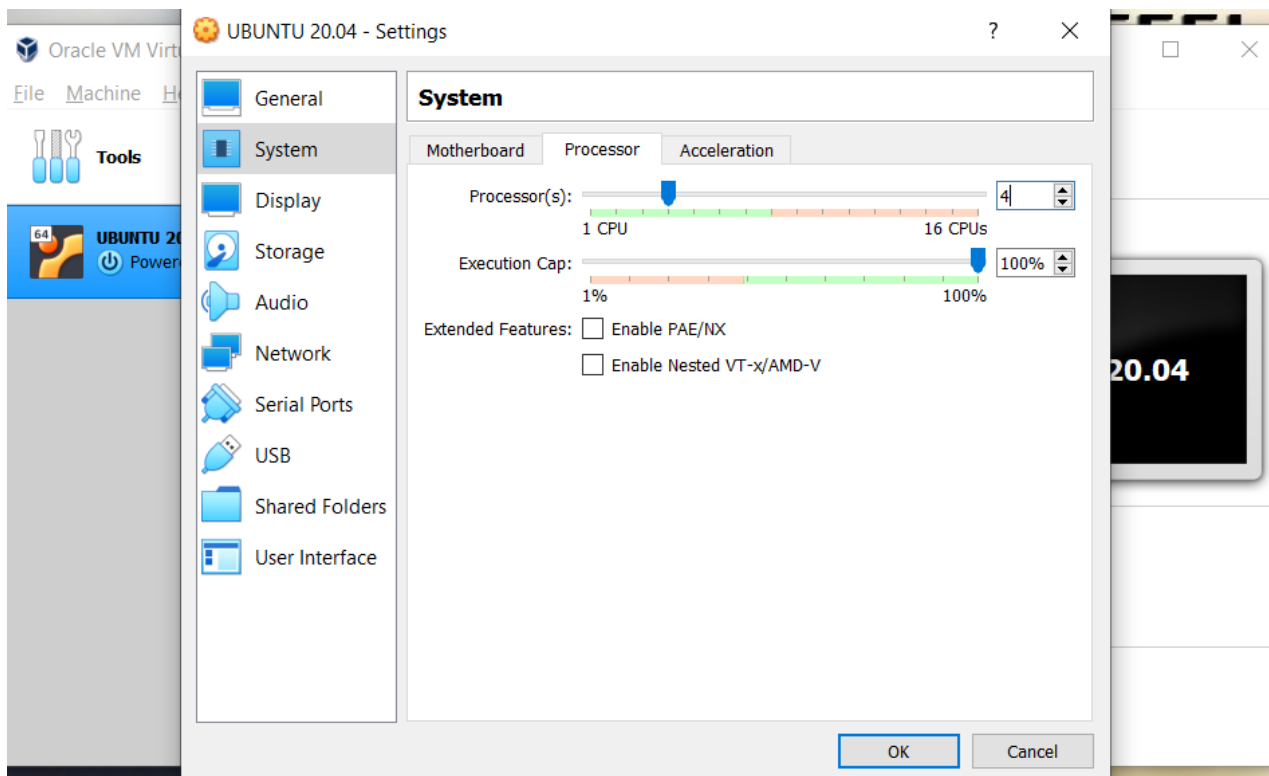


14. Now navigate to **ADVANCED** section under **GENERAL TAB** and set **Shared Clipboard** and **Drag'n'Drop** settings to **BIDIRECTIONAL**.

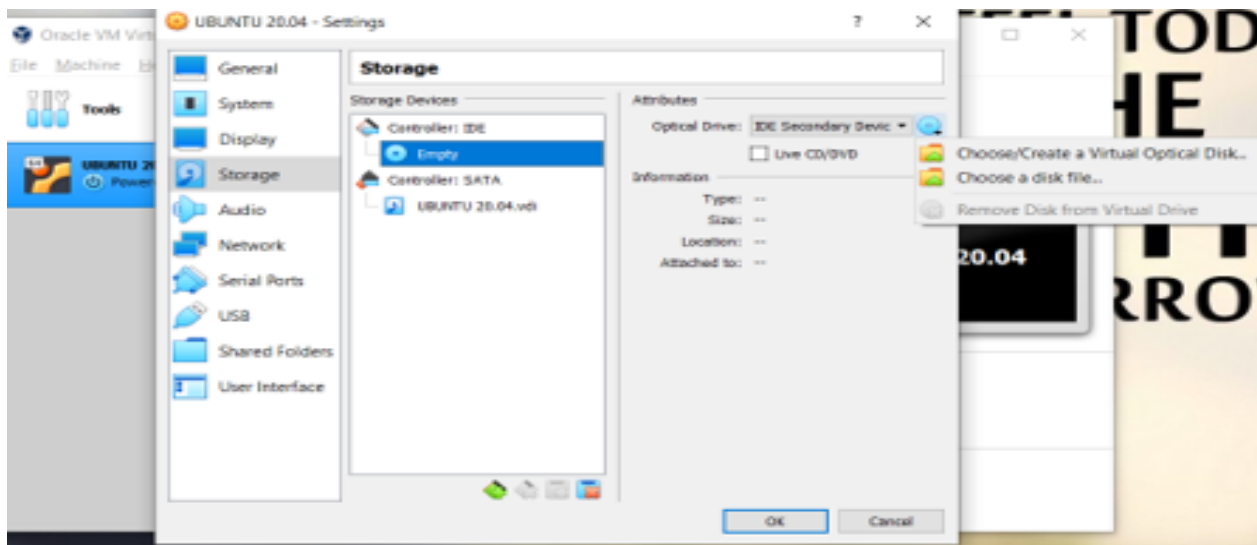


15. Now under **System TAB** select **PROCESSOR** and set to **4 CPU**.

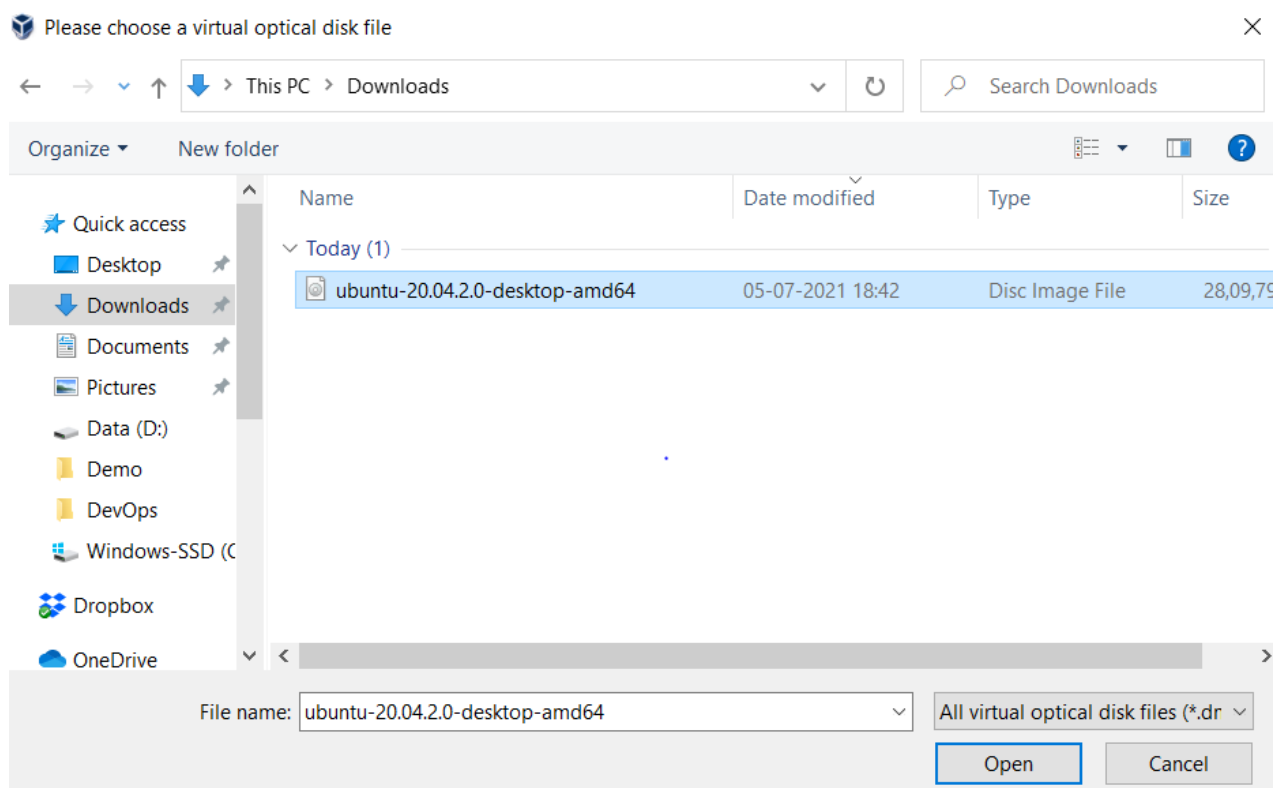
NOTE – you can set **PROCESSOR** between 2 CPU and 4 CPU.



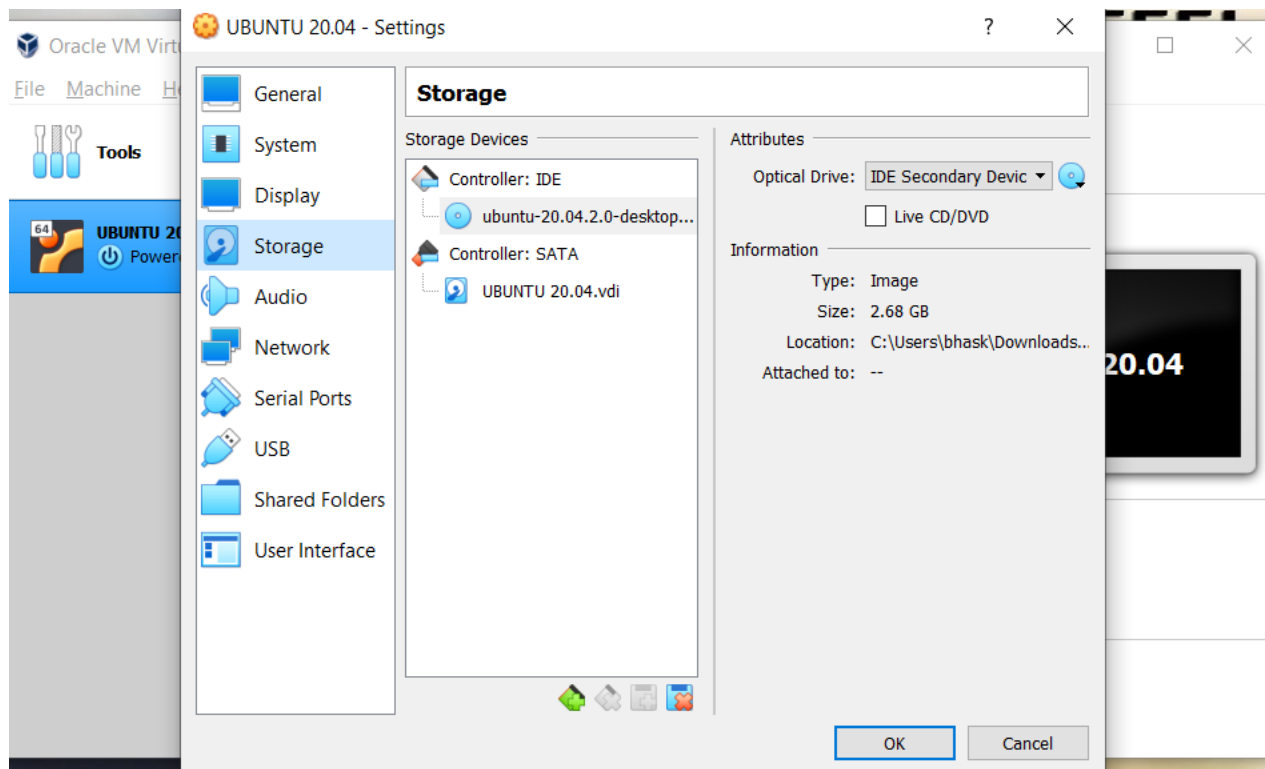
16. Now under **STORAGE** section click on **EMPTY** and further click on **CD ICON** and select **Choose a disk file**.



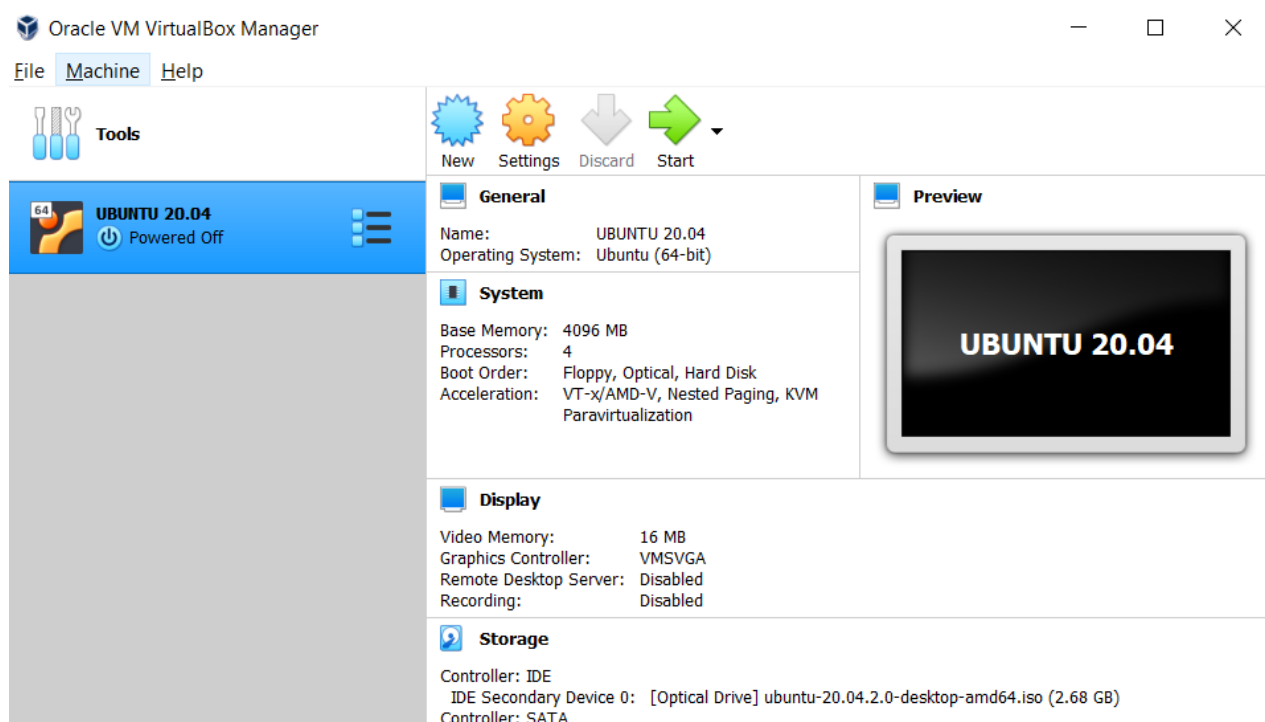
17. Now select the **UBUNTU 20.04LTS ISO** file which you have downloaded earlier.



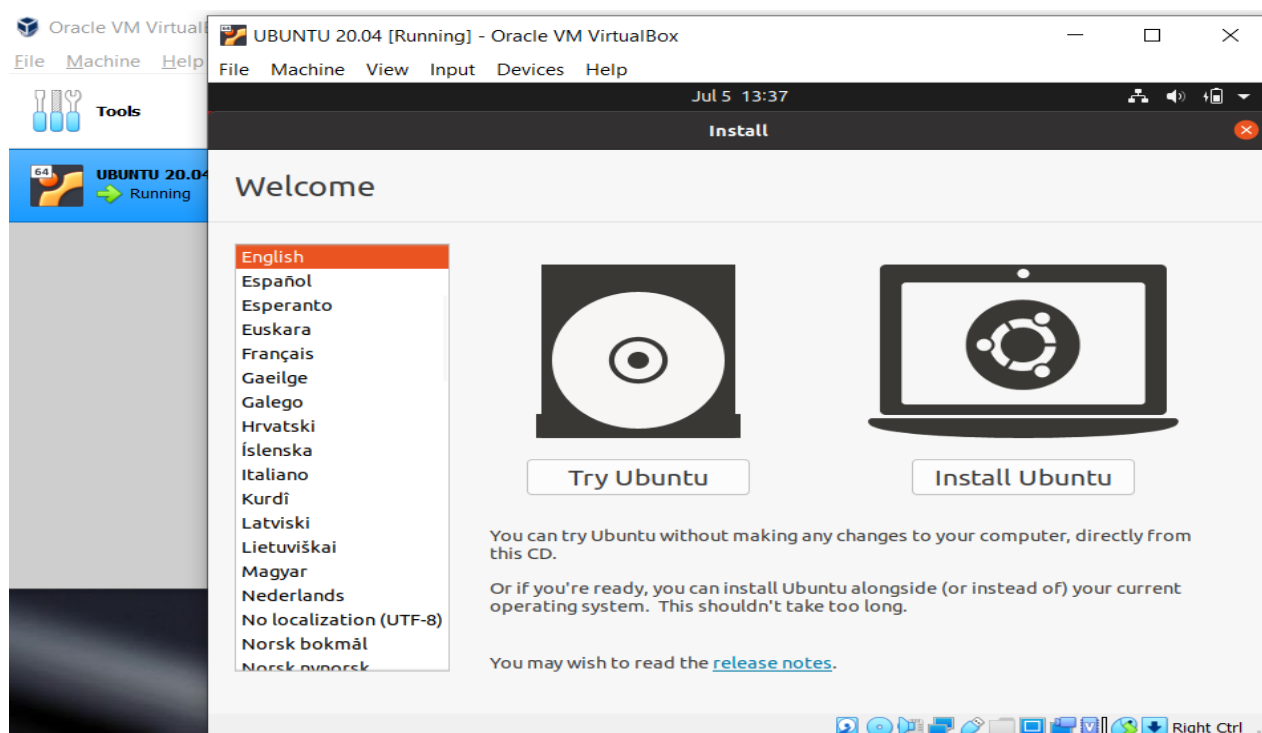
18. You have selected the **UBUNTU ISO** file. Now click on **OK** button.



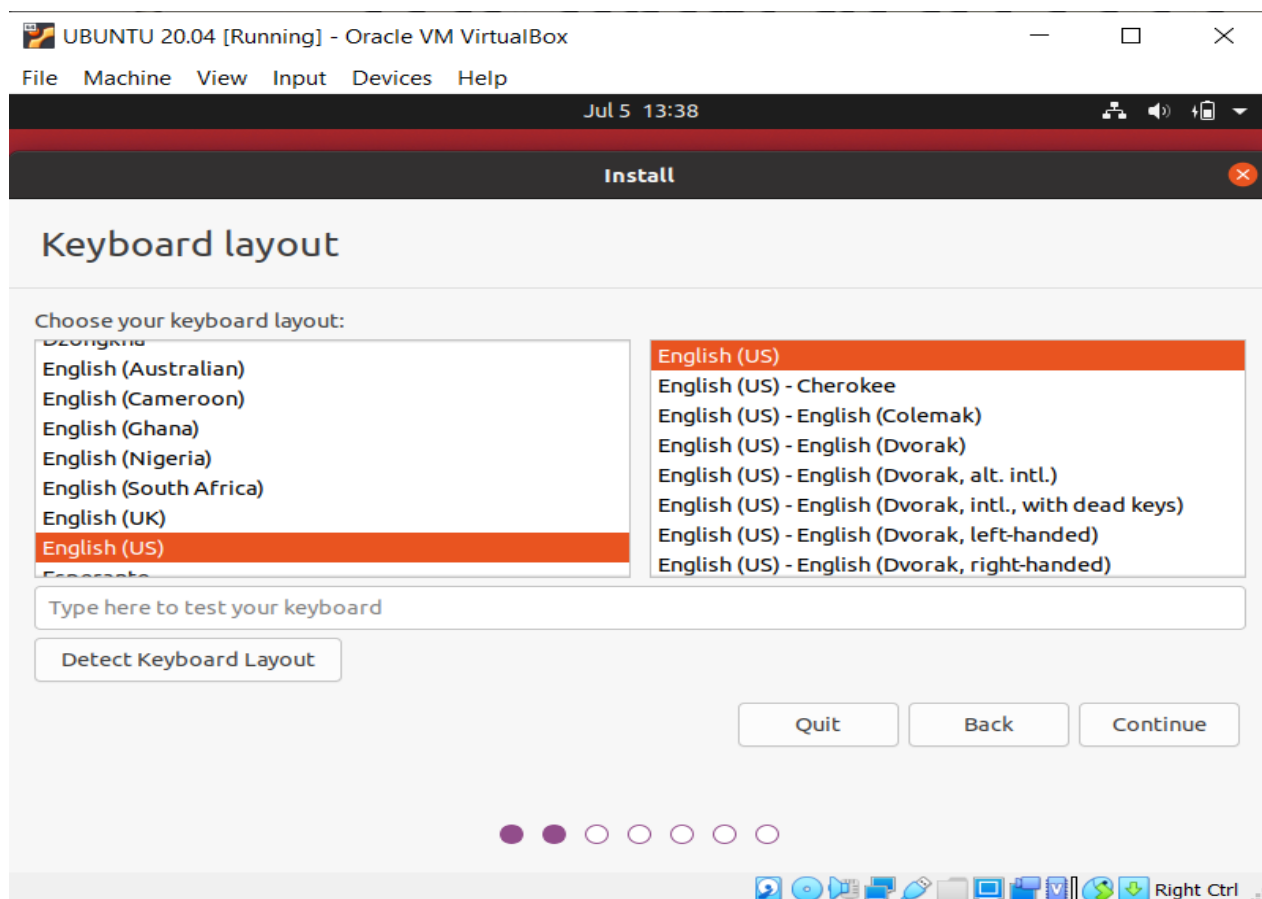
19. Now select your **UBUNTU** machine and click on **START** as shown in the below screenshot.



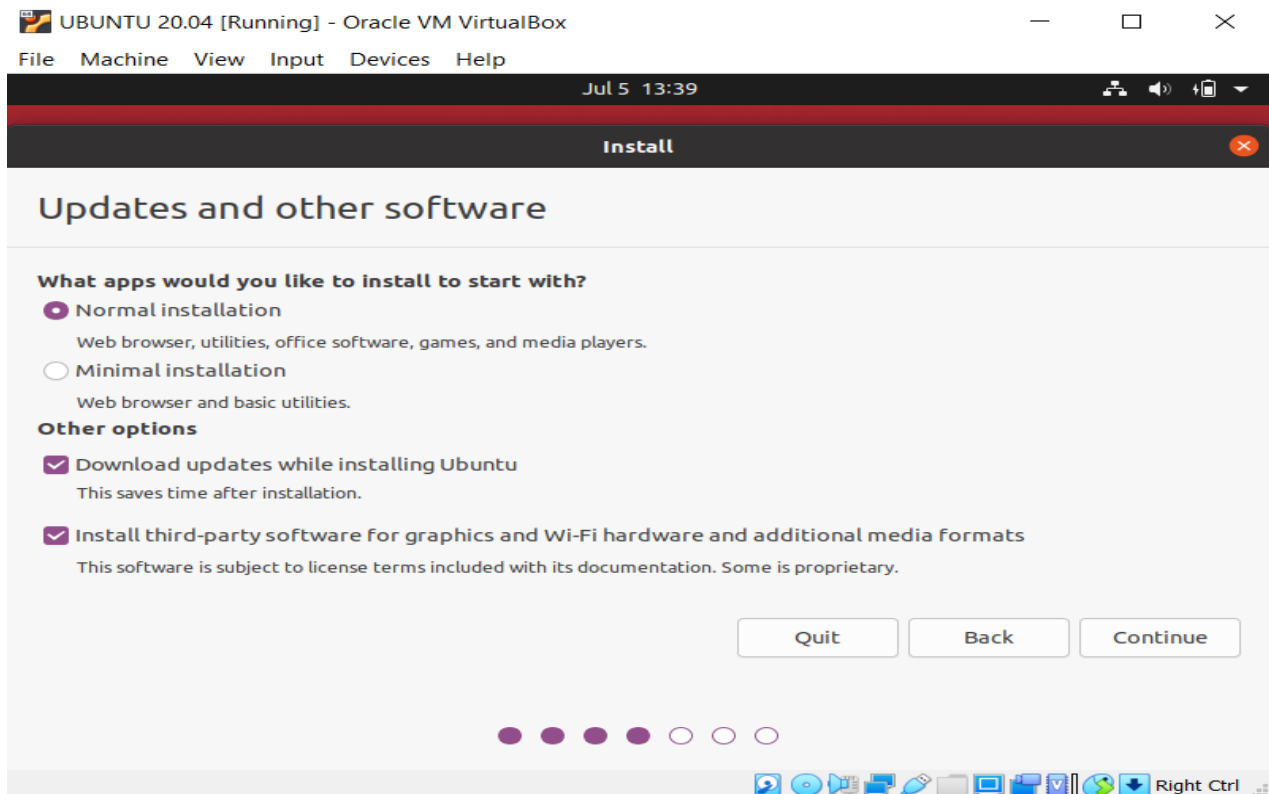
20. Now select **language** as **ENGLISH** and click on **INSTALL UBUNTU** option.



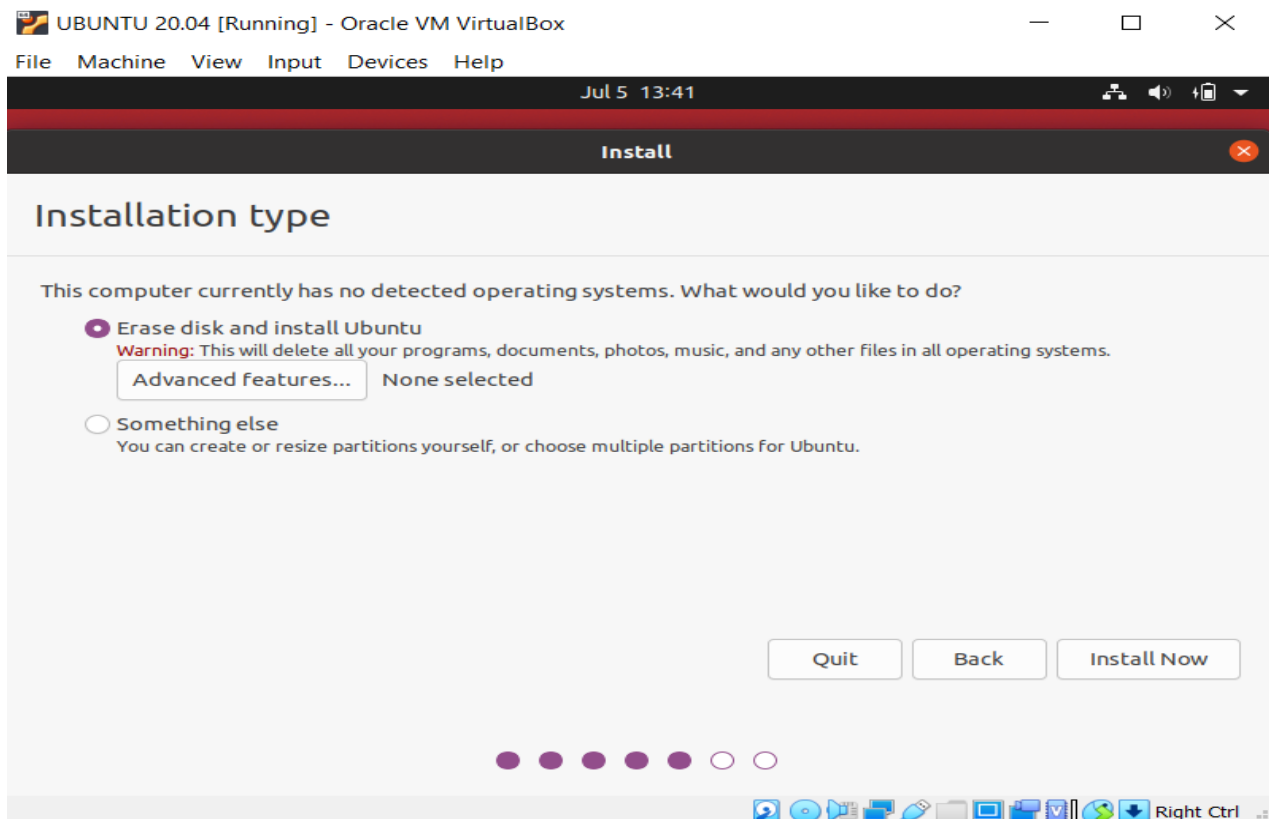
21. Now select the **Keyboard Layout** as **ENGLISH (US)** and click on **continue**.



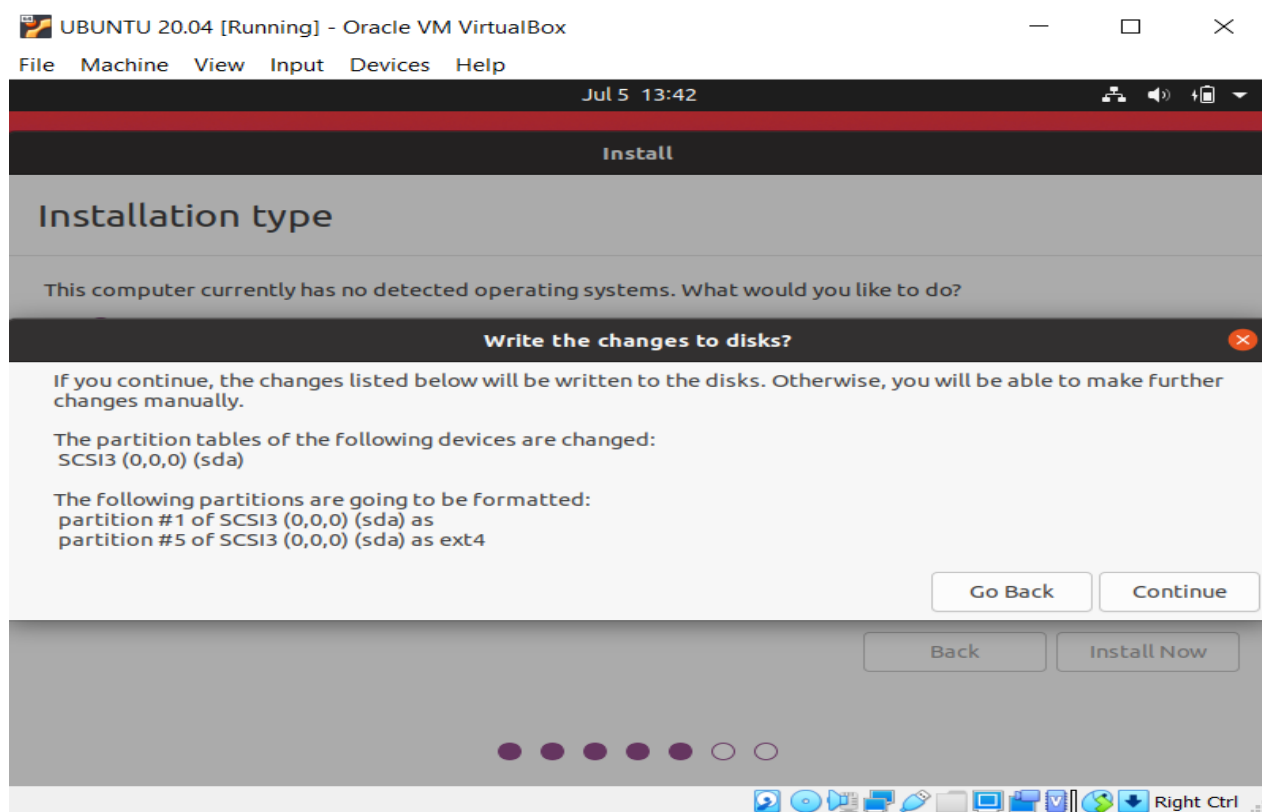
22. Now select the options as mentioned below in the screenshot and click on **continue**.



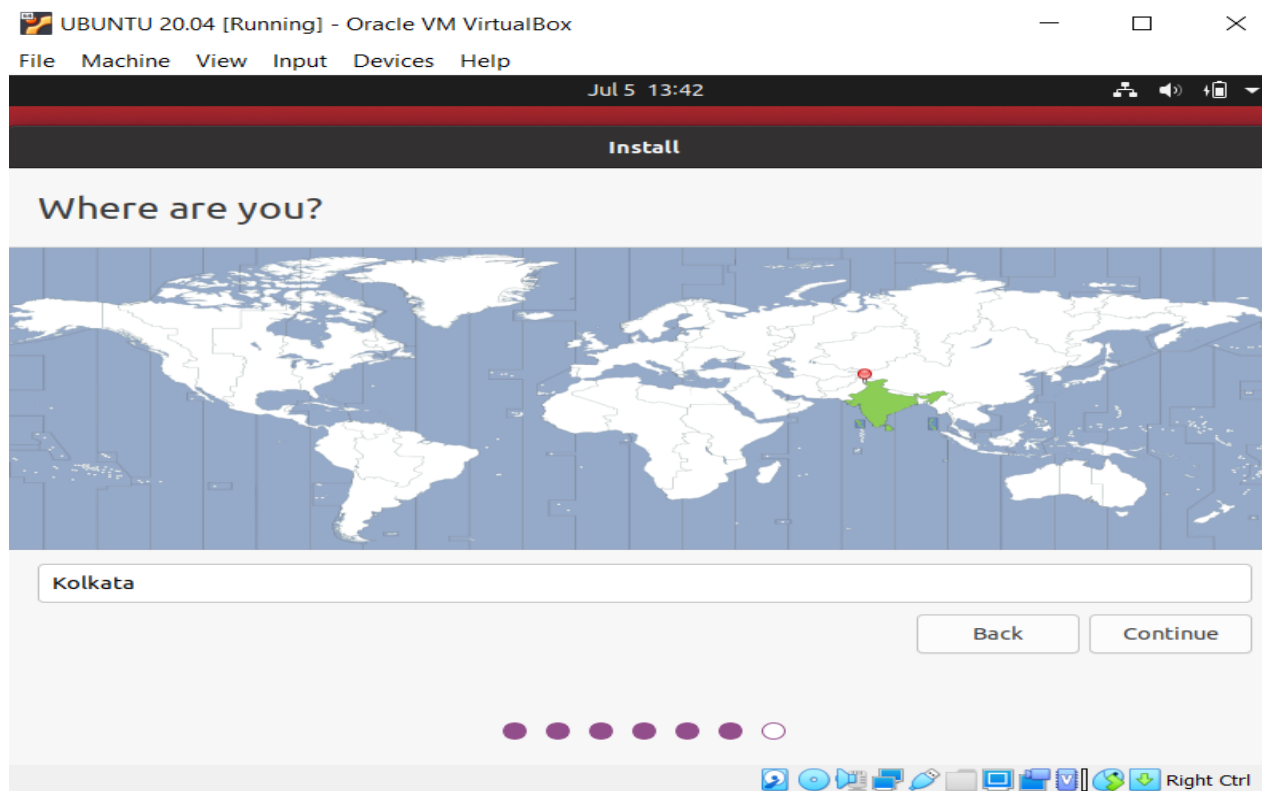
23. Now select the **DEFAULT** options and click on **INSTALL NOW**.



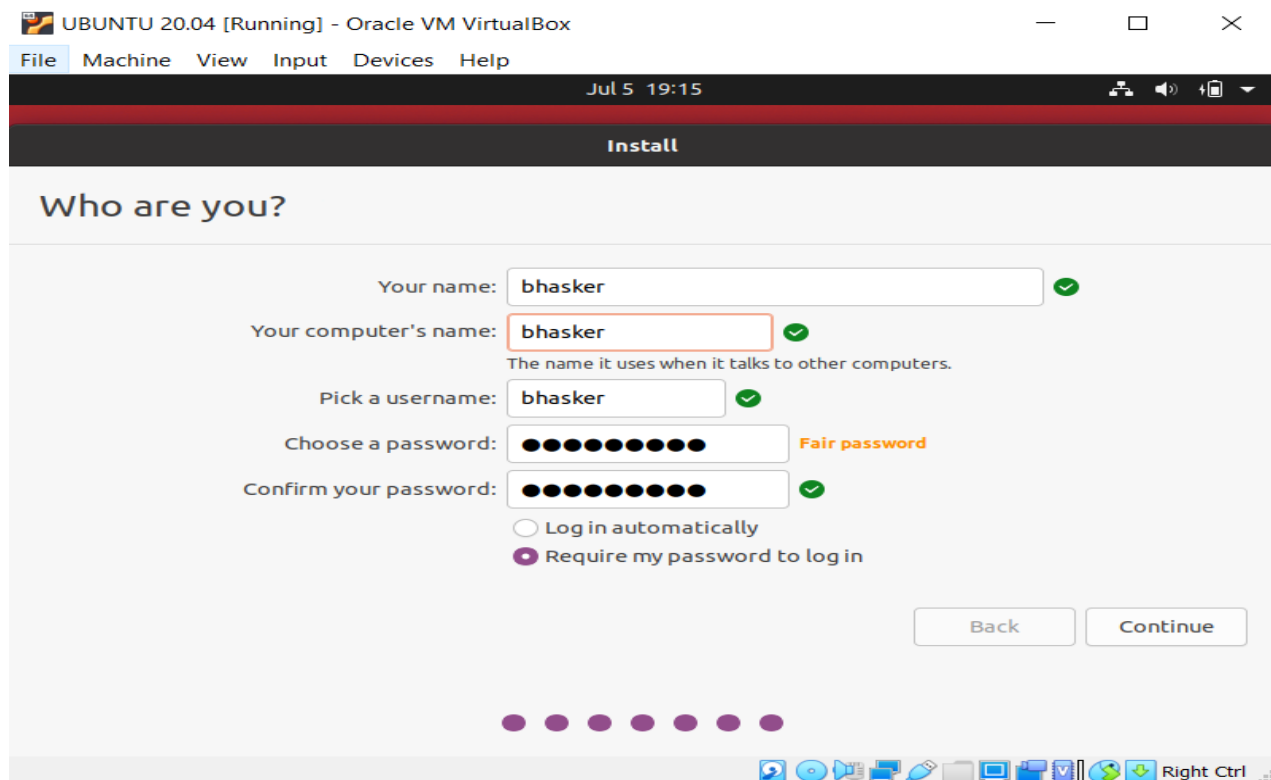
24. You can see the **POPUP**, click on **continue** option.



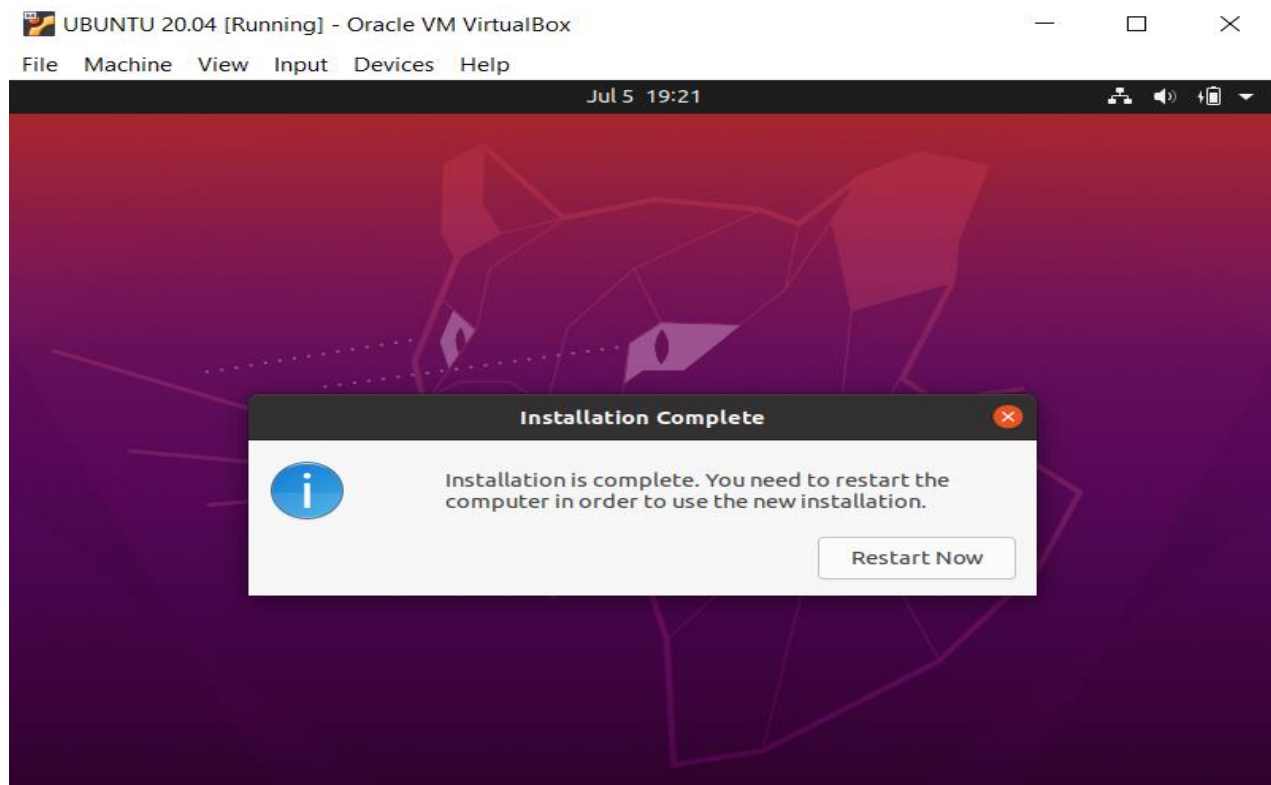
25. Now select your **LOCATION** and click on **continue**.



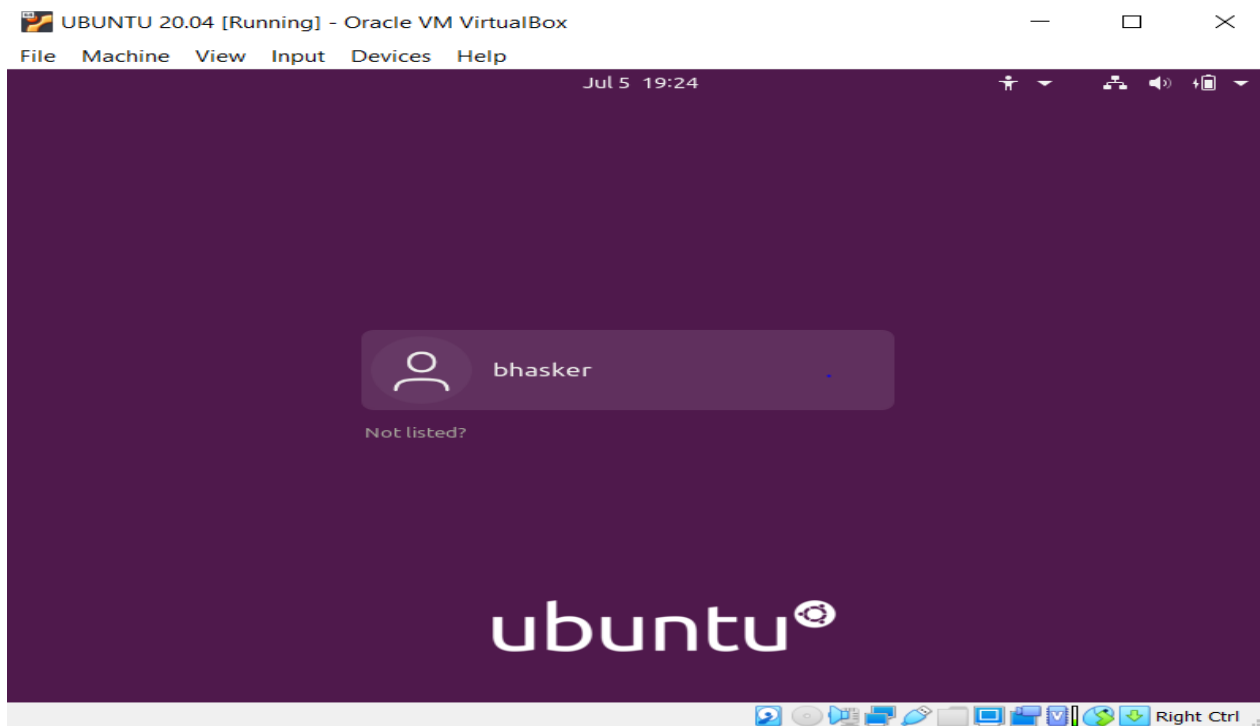
26. Now set your **USERNAME** and **PASSWORD** as shown in the below screenshot and click on **continue**.



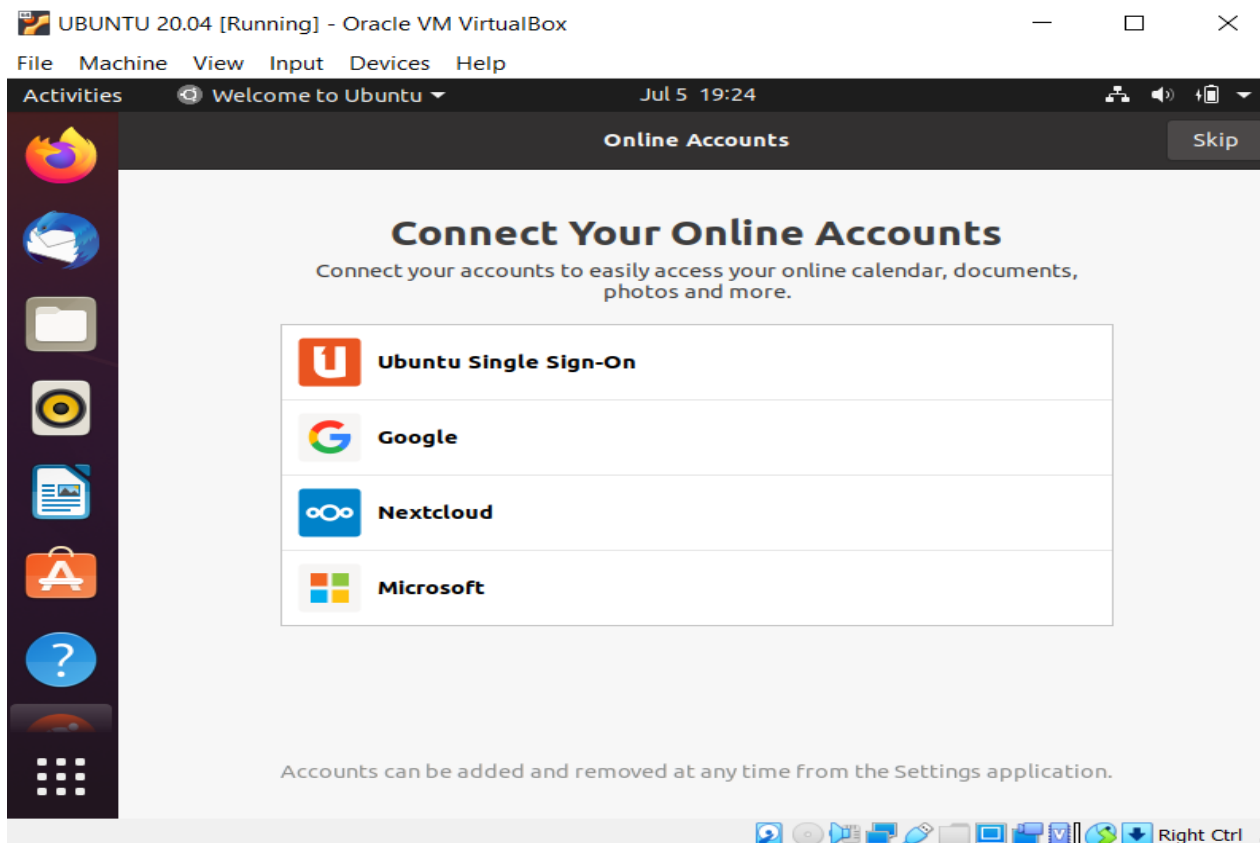
27. Now **UBUNTU** installation is completed successfully. Click on **RESTART NOW** button.



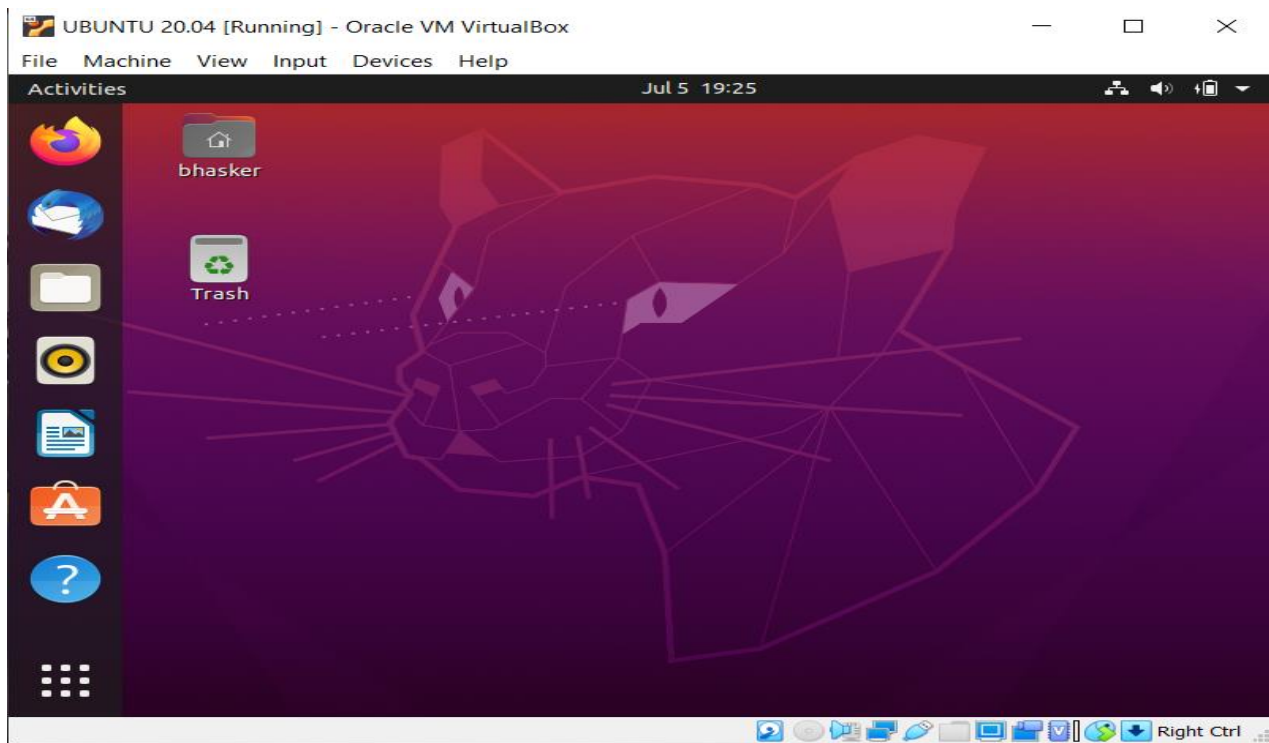
28. Once **UBUNTU** machine is restarted successfully. Login back to **UBUNTU** machine using **USERNAME** and **PASSWORD**.



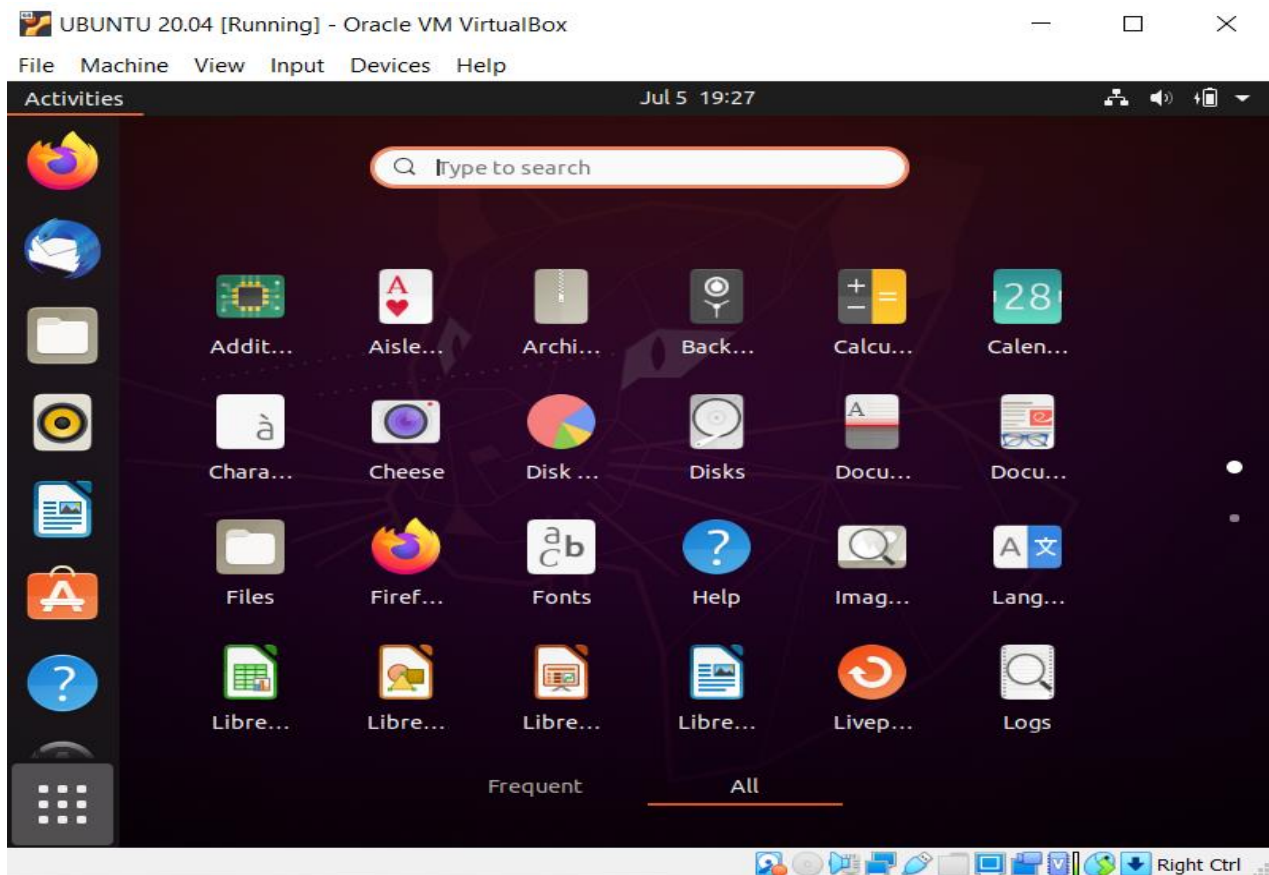
29. **SKIP** the initial setup as shown in the below screenshot.



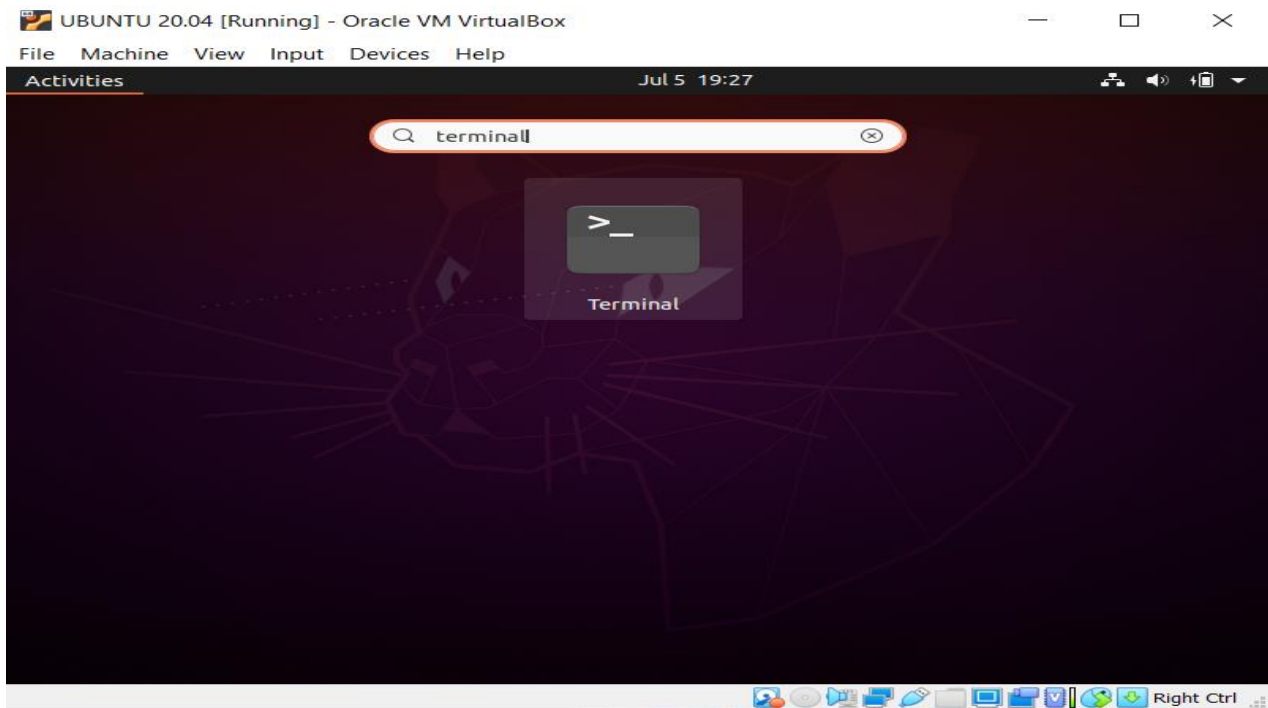
30. Now **UBUNTU** machine is ready to use as shown in the below screenshot.



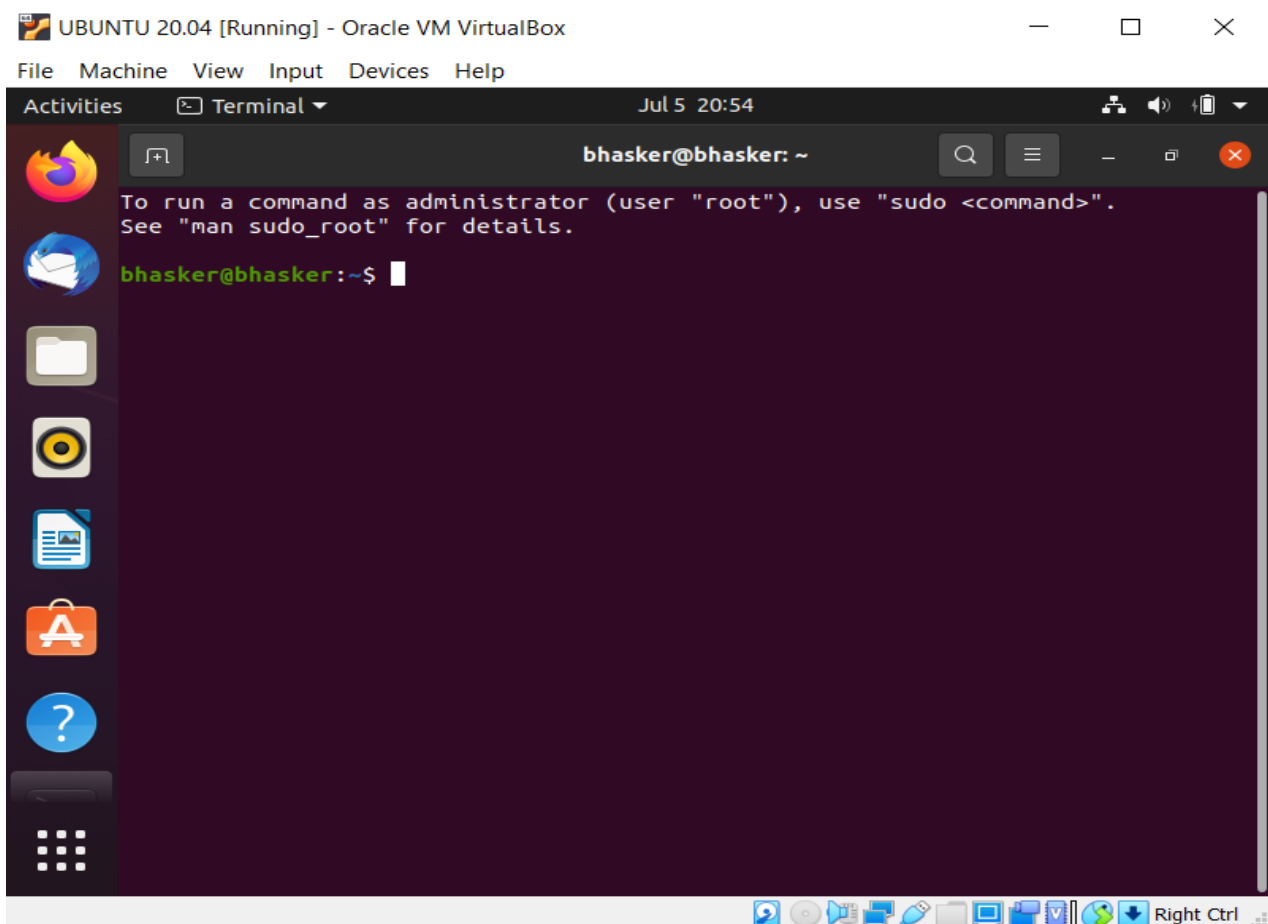
31. Now click on **bottom left icon** to open all applications as shown in the below screenshot.



32. Now search for **TERMINAL** and click on **TERMINAL** icon.



33. Now **UBUNTU** terminal is opened successfully as shown in the below screenshot.



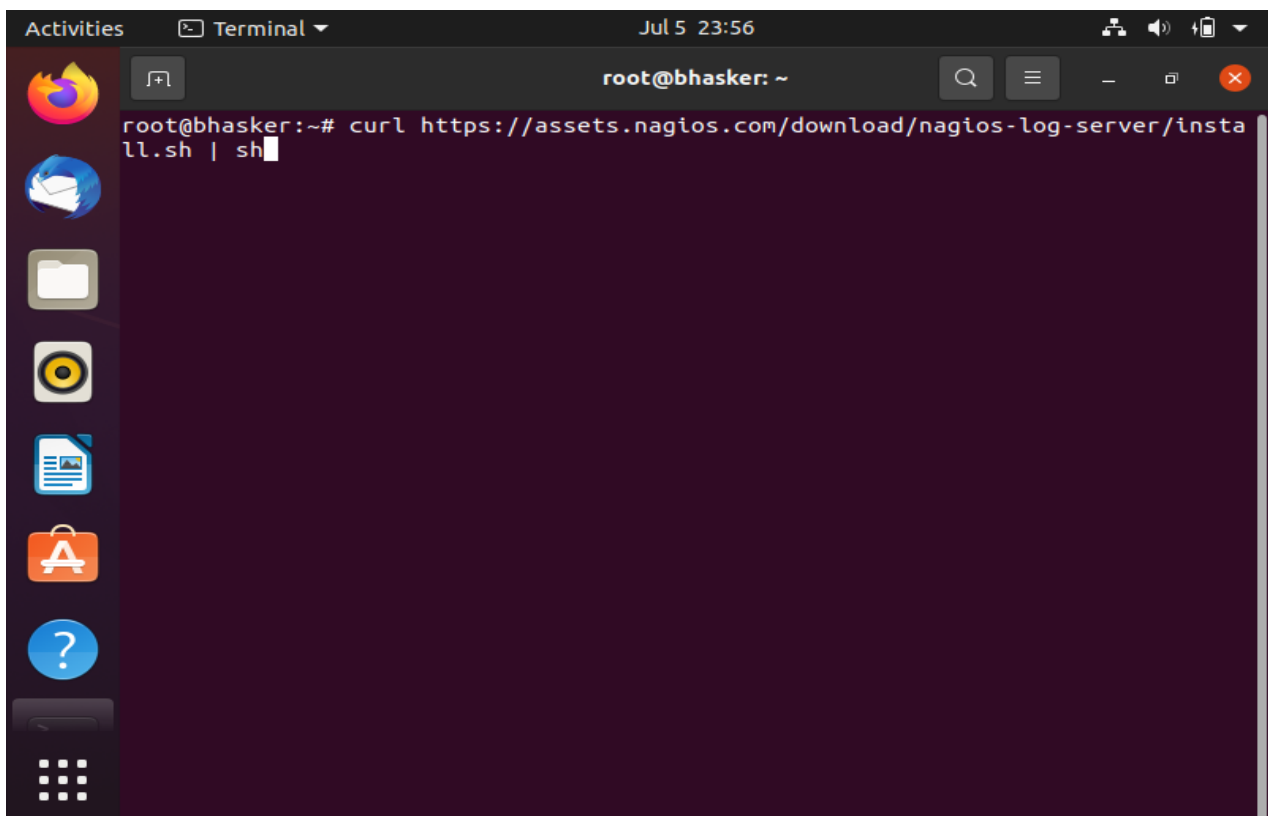
34. Change your privileges to **ROOT** using command:

sudo -i

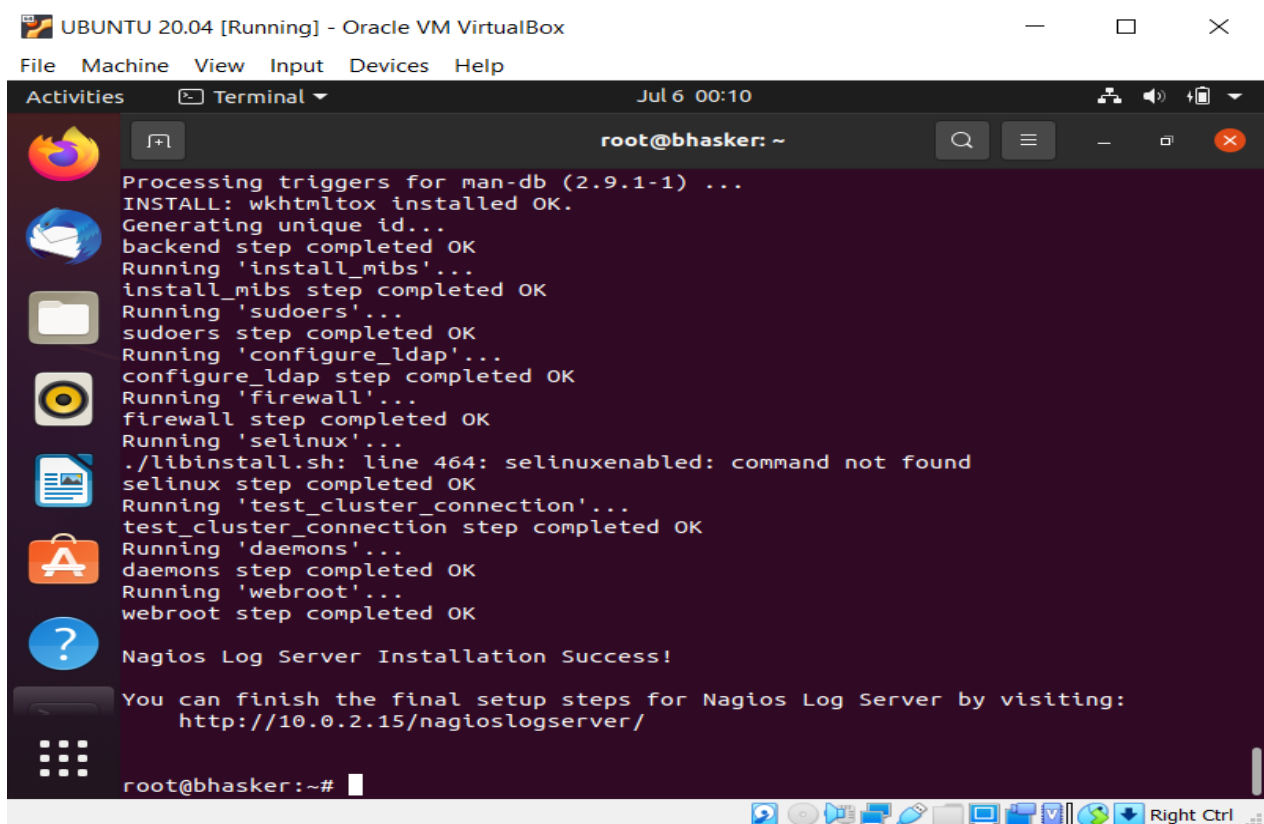


35. Use the below command to run the **script** that **INSTALL** and **CONFIGURE NAGIOSXI** on **UBUNTU** server.

curl https://assets.nagios.com/downloads/nagios-log-server/install.sh | sh



36. It can take up to **20 minutes** to **INSTALL** and **CONFIGURE NAGIOS LOG SERVER**. Once done you can see status as **NAGIOS LOG SERVER Installation Success**.



UBUNTU 20.04 [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Jul 6 00:10

```
root@bhasker: ~
Processing triggers for man-db (2.9.1-1) ...
INSTALL: wkhtmltox installed OK.
Generating unique id...
backend step completed OK
Running 'install_mibs'...
install_mibs step completed OK
Running 'sudoers'...
sudoers step completed OK
Running 'configure_ldap'...
configure_ldap step completed OK
Running 'firewall'...
firewall step completed OK
Running 'selinux'...
./libinstall.sh: line 464: selinuxenabled: command not found
selinux step completed OK
Running 'test_cluster_connection'...
test_cluster_connection step completed OK
Running 'daemons'...
daemons step completed OK
Running 'webroot'...
webroot step completed OK

Nagios Log Server Installation Success!

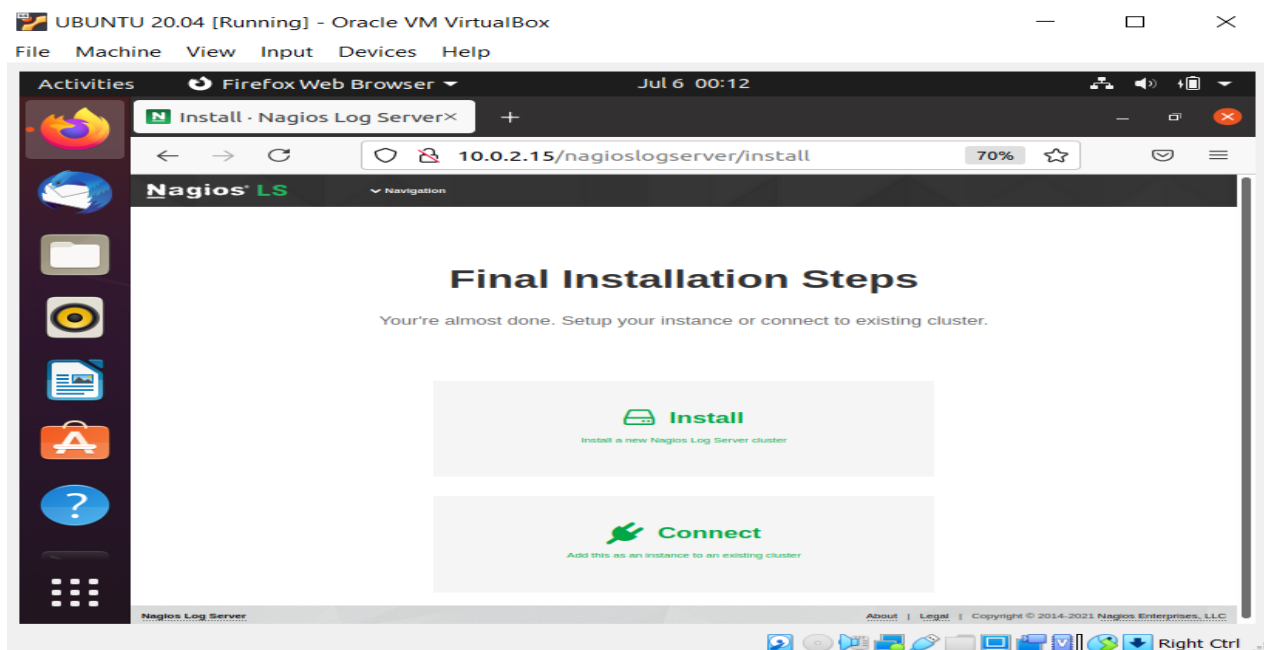
You can finish the final setup steps for Nagios Log Server by visiting:
http://10.0.2.15/nagioslogserver/

root@bhasker:~#
```

37. Use below URL to access **Nagios Log Server**.

<http://< Server External IP>/nagioslogserver/>

Now you are navigated to **Final Installation Steps**. Select **INSTALL**.



38. Provide **FULL name**, **Password**, **Confirm password** and **Email address**. Select **Language** and Save **username** and **password** in your local system. Now click on **Finish Installation**.

The screenshot shows the 'Final Installation Steps' page of the Nagios Log Server. The browser address bar shows '10.0.2.15/nagioslogserver/install'. The page has a dark sidebar with application icons. The main content area is titled 'Final Installation Steps' and includes the text 'You're almost done. Setup your instance or connect to existing cluster.' Below this, there are two sections: 'License Setup' and 'Admin Account Setup'. The 'License Setup' section has a radio button for 'Free 30 day trial' (selected) and a text input for 'License Key'. The 'Admin Account Setup' section has text input fields for 'Username' (nagiosadmin), 'Full Name' (Nagios Administrator), 'Password' (masked with asterisks), 'Confirm Password' (masked with asterisks), 'Email' (bhasker.rajpuro7@gmail.com), a 'Language' dropdown (Default), and a 'Timezone' dropdown (UTC+05:30 New Delhi). At the bottom right, there are 'Back' and 'Finish Installation' buttons.

39. Now you are navigated to **NAGIOS LOG SERVER 2.0** login page. Provide **username** and **password** to **login**.

The screenshot shows the 'Login' page of the Nagios Log Server. The browser address bar shows '10.0.2.15/nagioslogserver/login'. The page has a dark sidebar with application icons. The main content area has a header 'Nagios LS' and a 'Navigation' menu. Below the header, there is a 'Login' section with a light blue box containing the text 'Installation Complete!'. Below this, there are text input fields for 'Username' (nagiosadmin) and 'Password' (masked with asterisks). There is a checkbox for 'Keep me logged in' and a 'Log In' button. A link 'Forgot your password?' is also present. To the right of the login section, there is a large image with the text 'Nagios Log Server'. Below the image, there is a section titled 'About Nagios Log Server' with a paragraph of text and a link to the 'Nagios Log Server product page'. Below this, there is a section titled 'Nagios Learning Opportunities' with a paragraph of text and a link to 'Nagios World Conference'.

40. Now you have successfully **installed** and **configured Nagios Log Server** as shown in the below screenshot.

