Module 3: Continuous Monitoring using Nagios XI

Demo Document 1

Demo: Demo on Configuration of Nagios XI.

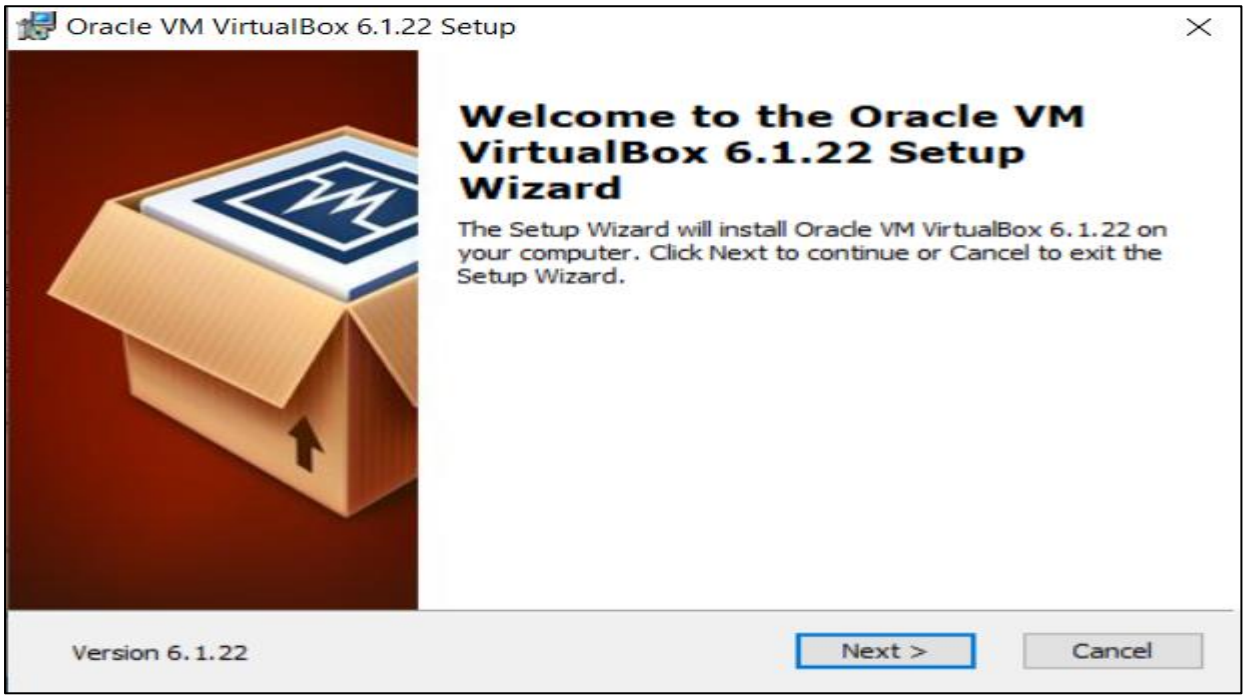
Problem Statement:

How to configure nagios.cfg file.

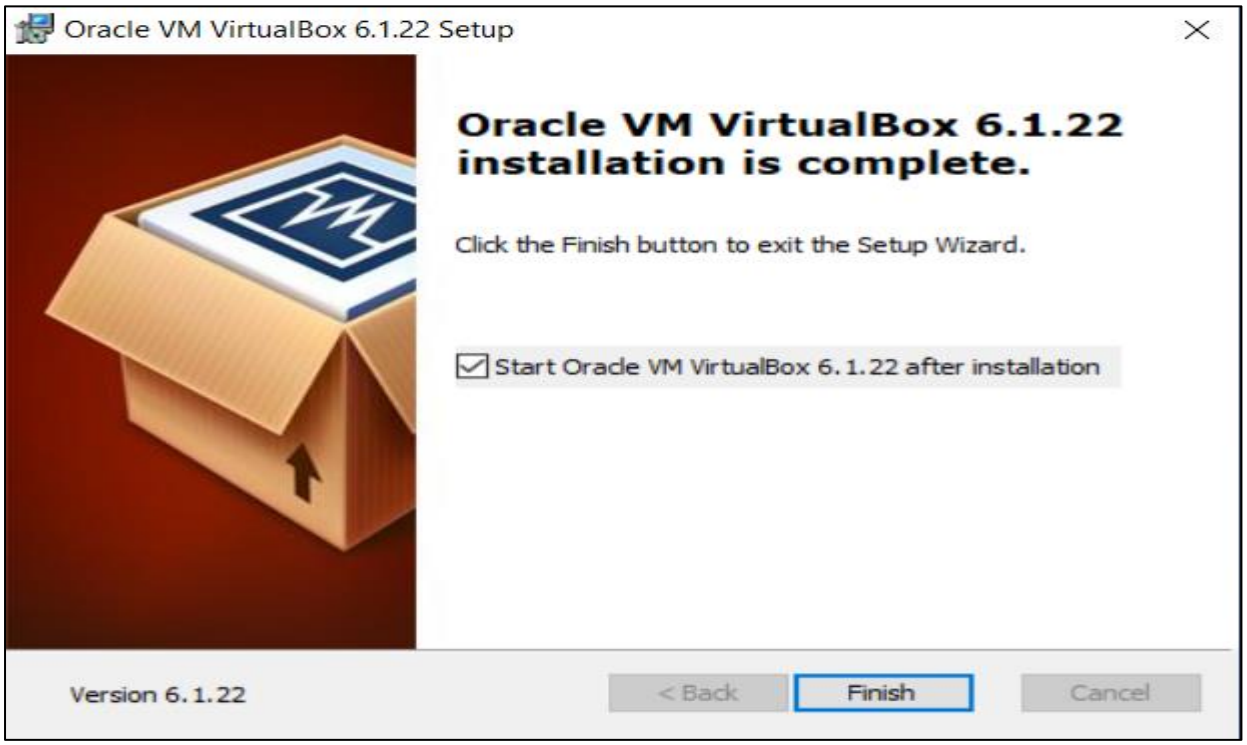
Solution Steps:

1. Let us **INSTALL** and **CONFIGURE NAGIOSXI** 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.

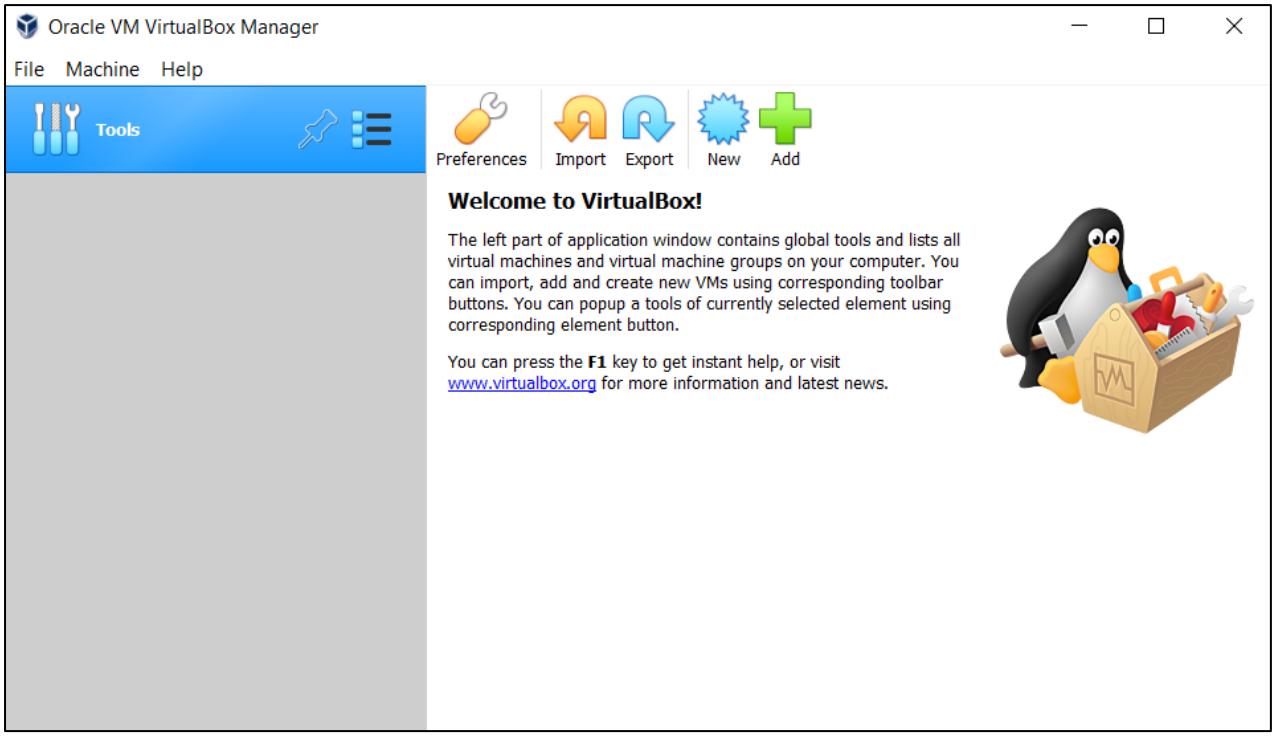
2. Once the **VIRTUALBOX** file is downloaded successfully then click on the file to **start** the installation setup as shown in the below screenshot.



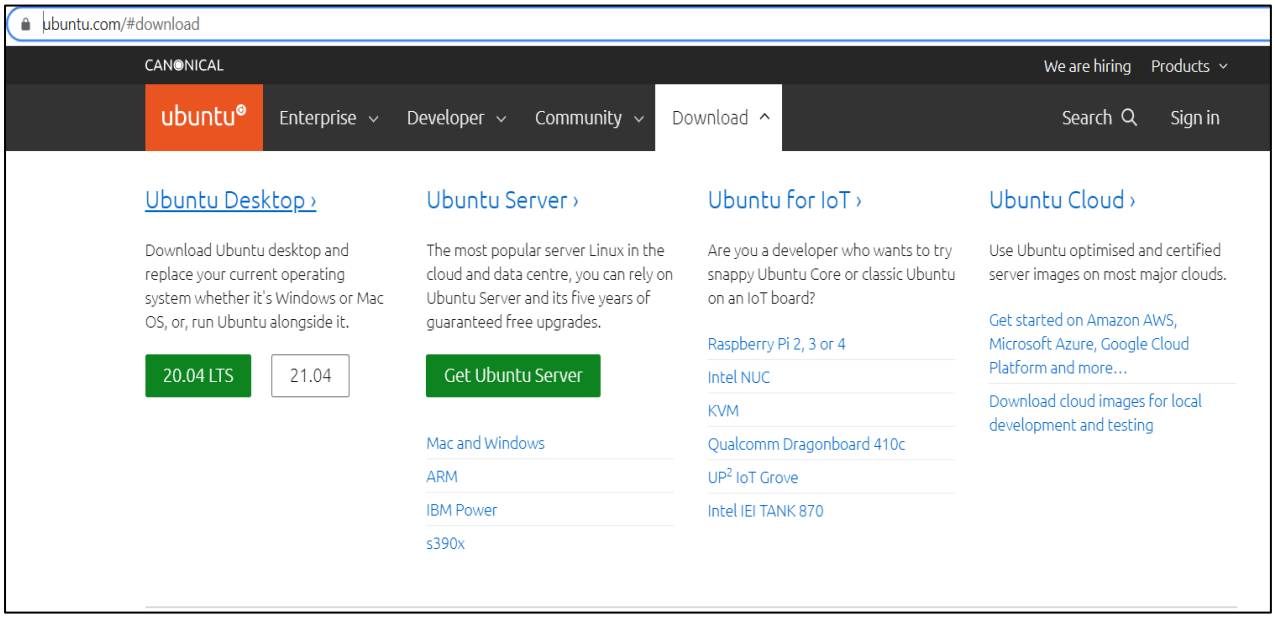
3. You need to keep settings as **DEFAULT** and click on **NEXT** options until you **FINISH** the **VIRTUALBOX** installation.



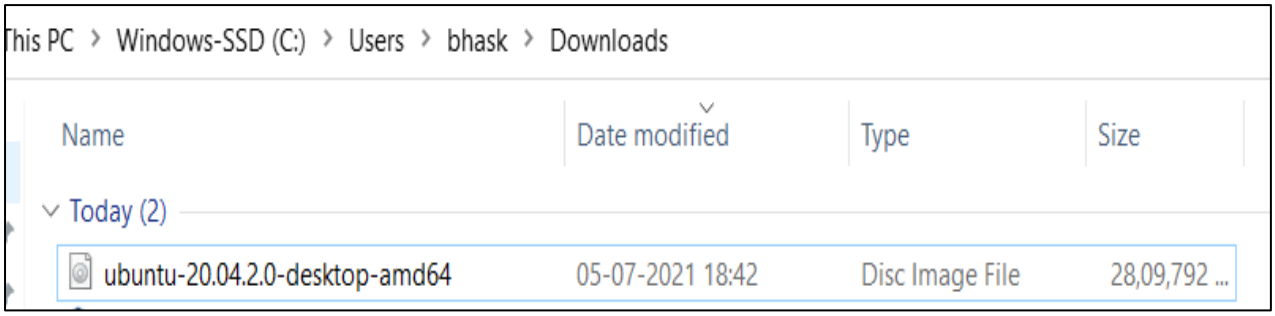
4. Now **VIRTUALBOX** is **installed** successfully as shown in the below screenshot.



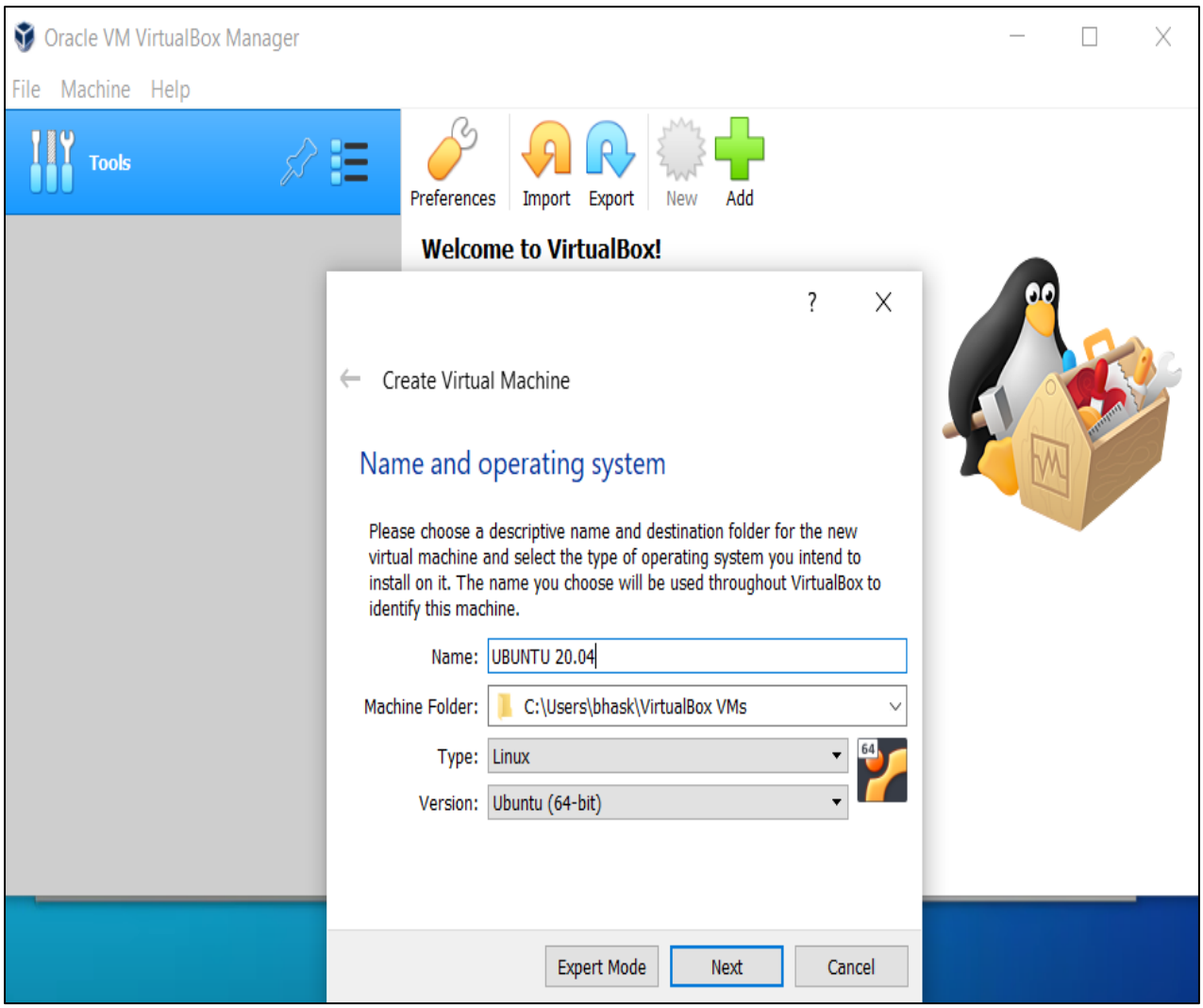
5. Now you need to download the **UBUNTU 20.4LTS ISO** file using URL - **https://ubuntu.com/#download**
   Click on **20.04LTS** to download the ISO file.



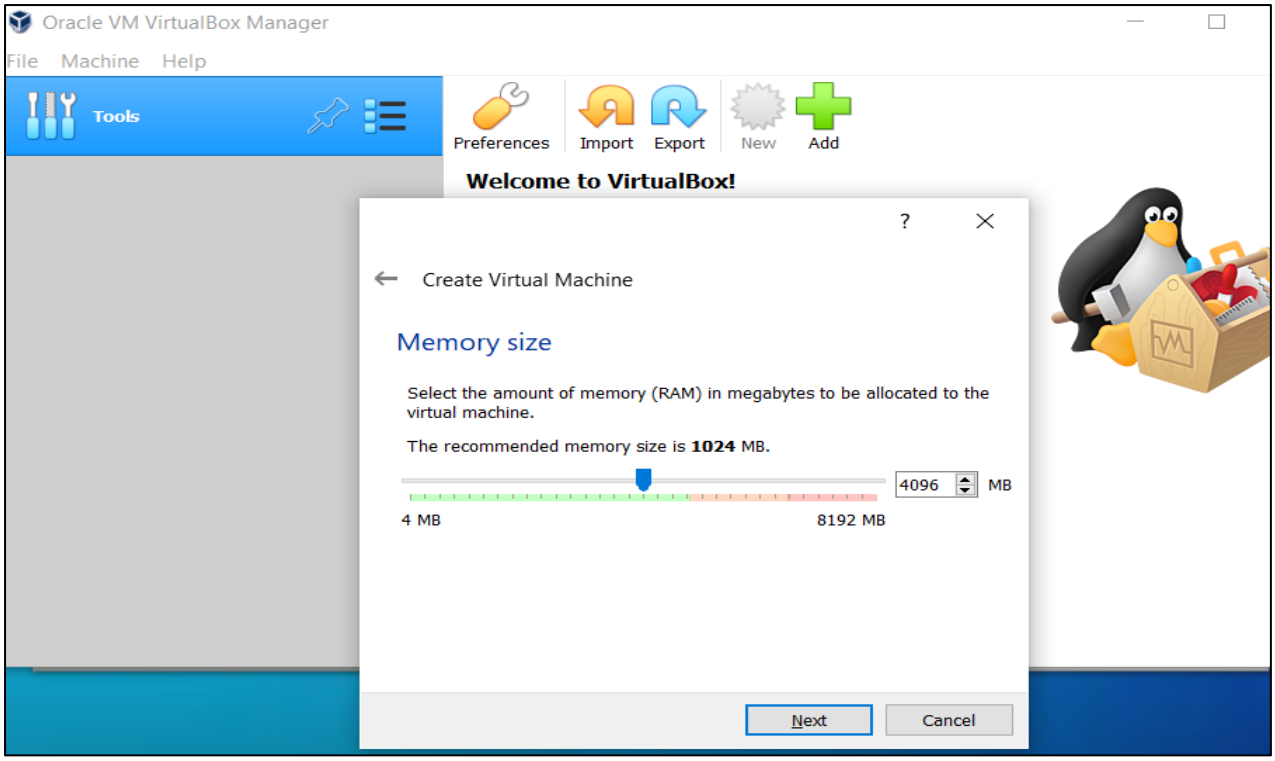
6. Now **UBUNTU 20.04LTS ISO** file **downloaded** successfully.



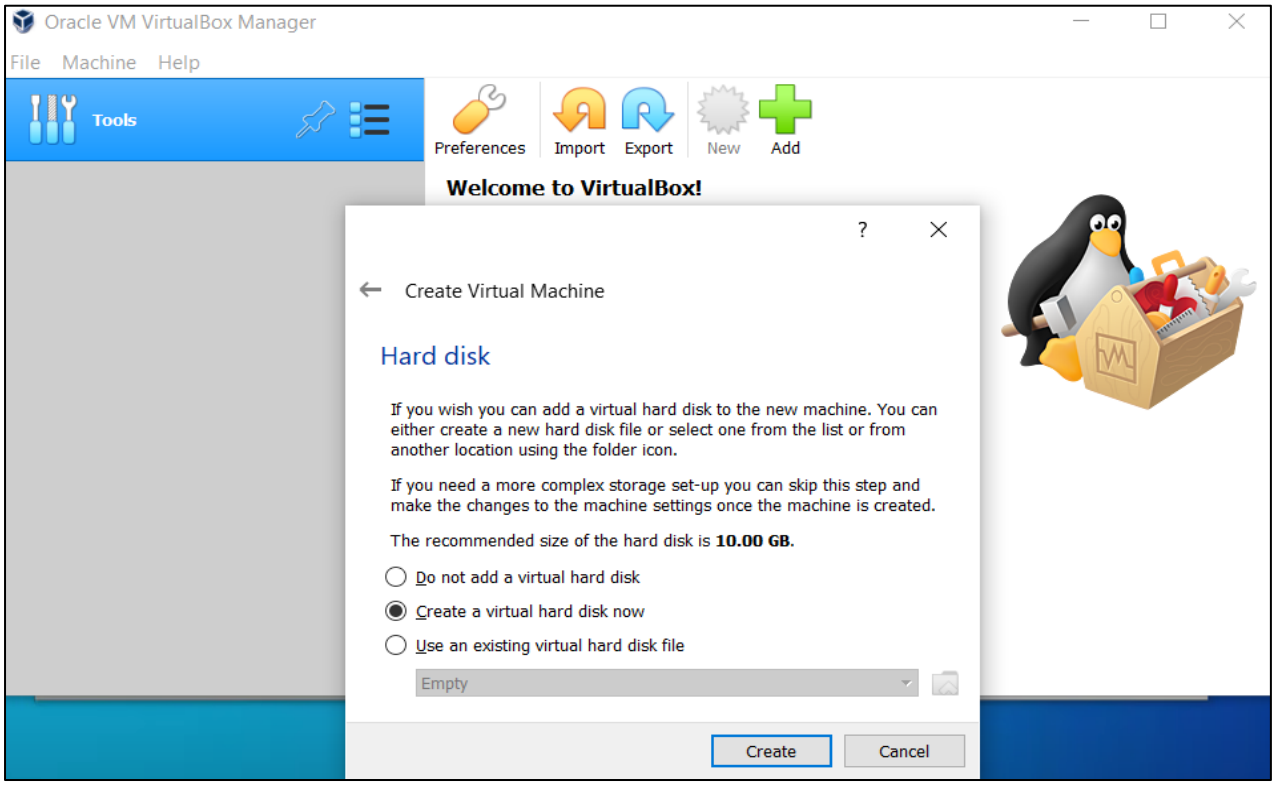
7. Navigate back to **VIRTUALBOX** and click on **NEW** icon. Now provide the details as mentioned in the below screenshot and click on **NEXT** button.



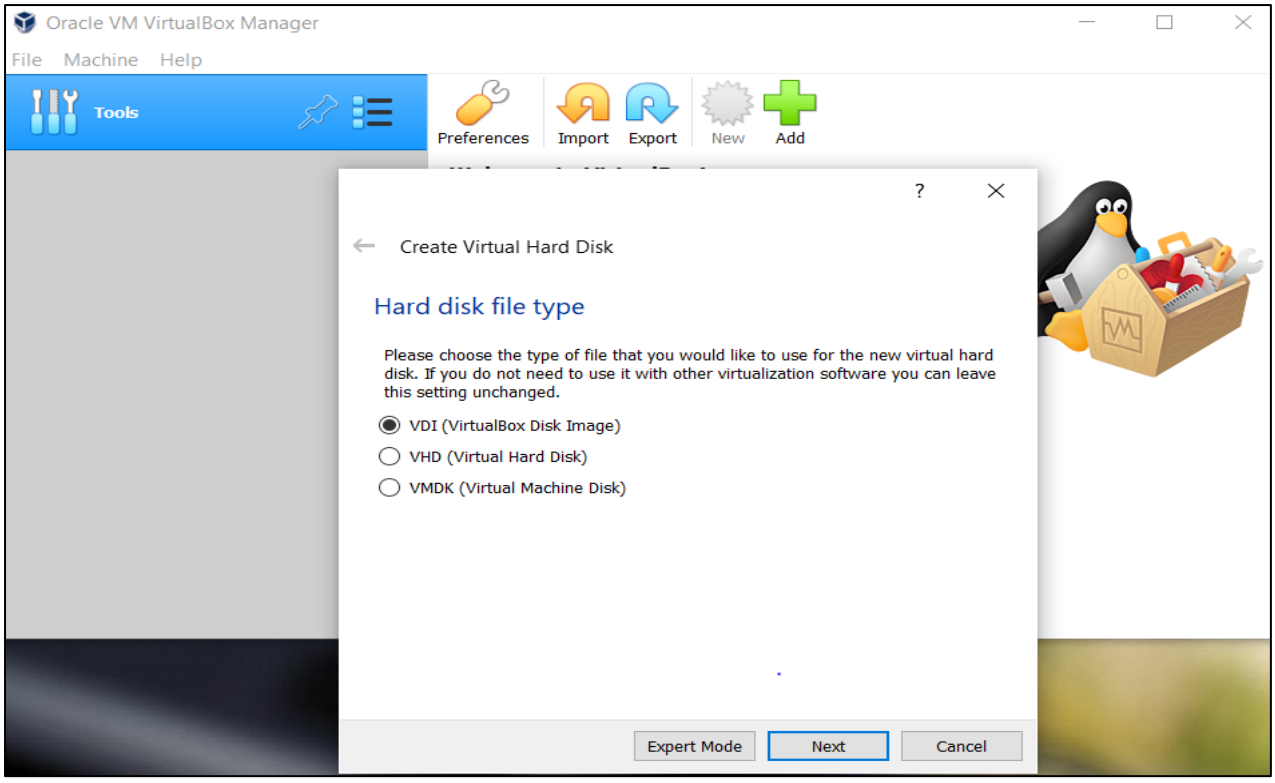
8. Now set **Memory size (RAM)** as **4096 MB** or **4 GB.**
   NOTE – You can set the Memory size (RAM) between 2 GB to 4 GB.



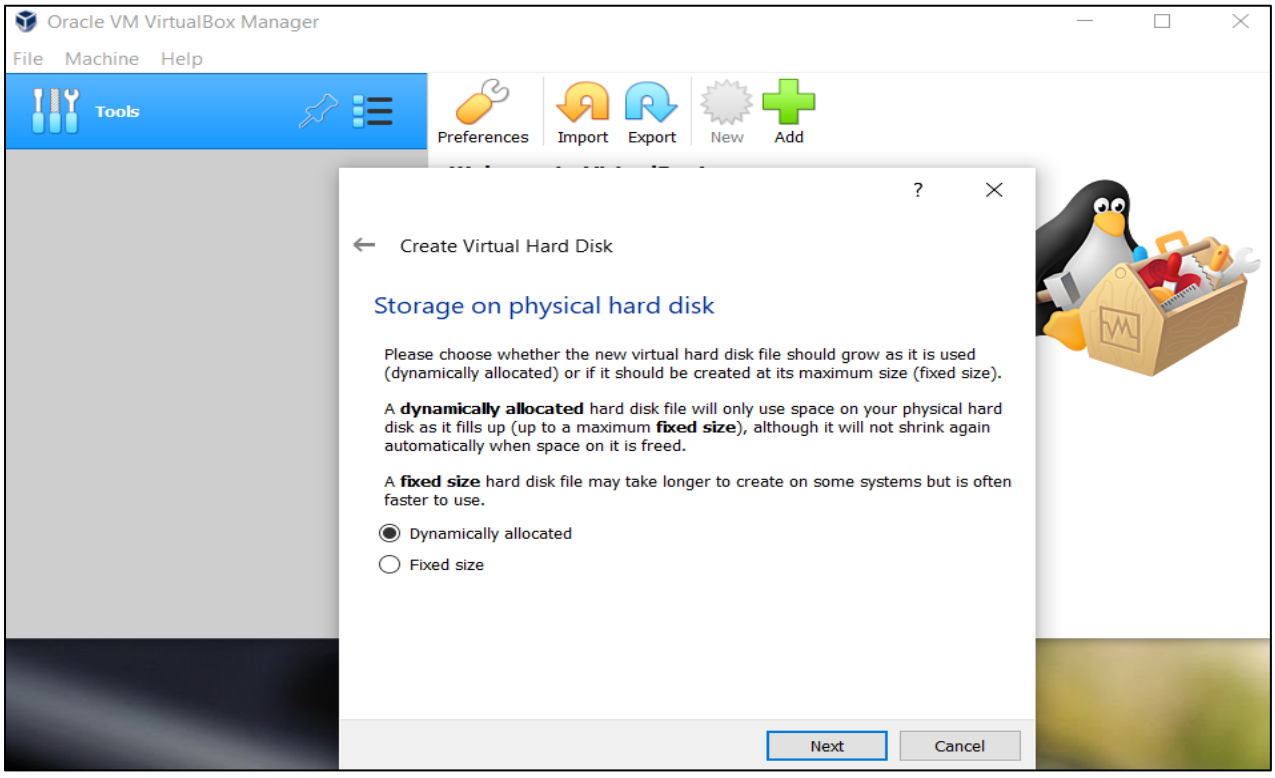
9. Select **Create a virtual hard disk now** and click on **CREATE** button.



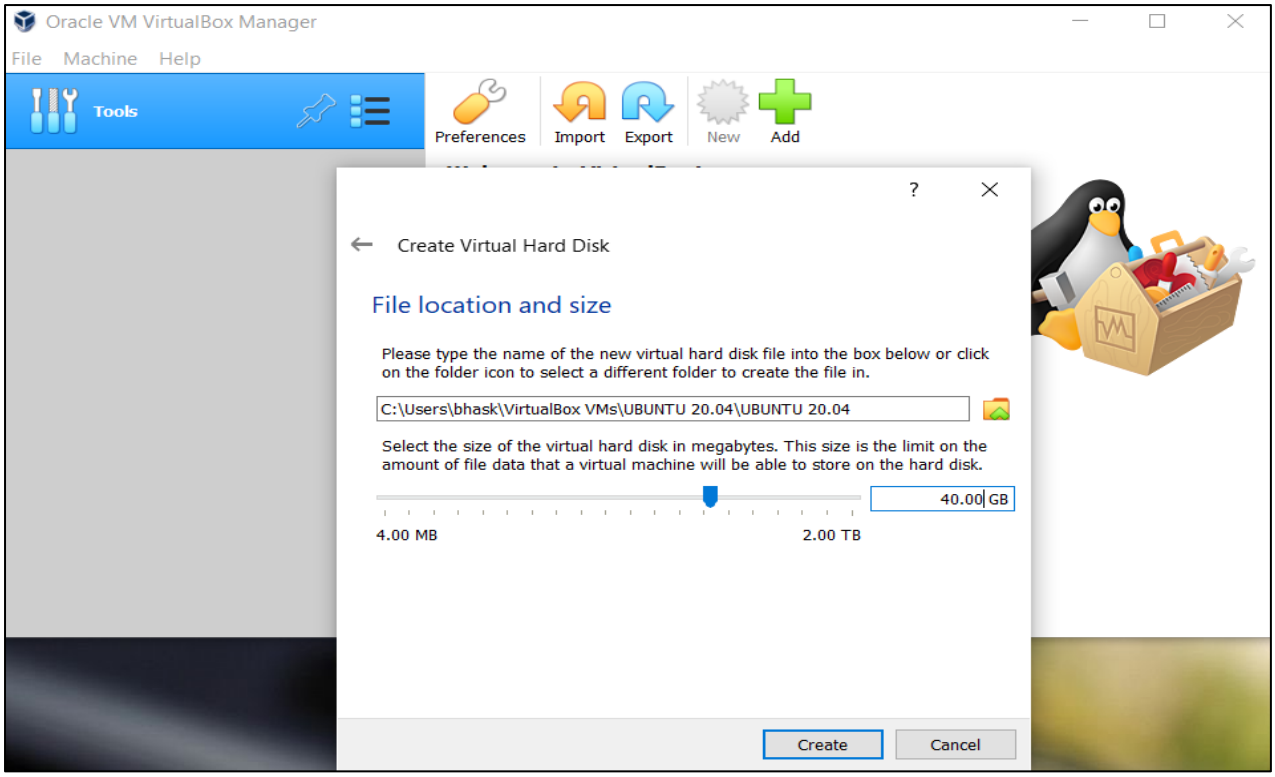
10. Now select **VDI** option and click on **NEXT**.



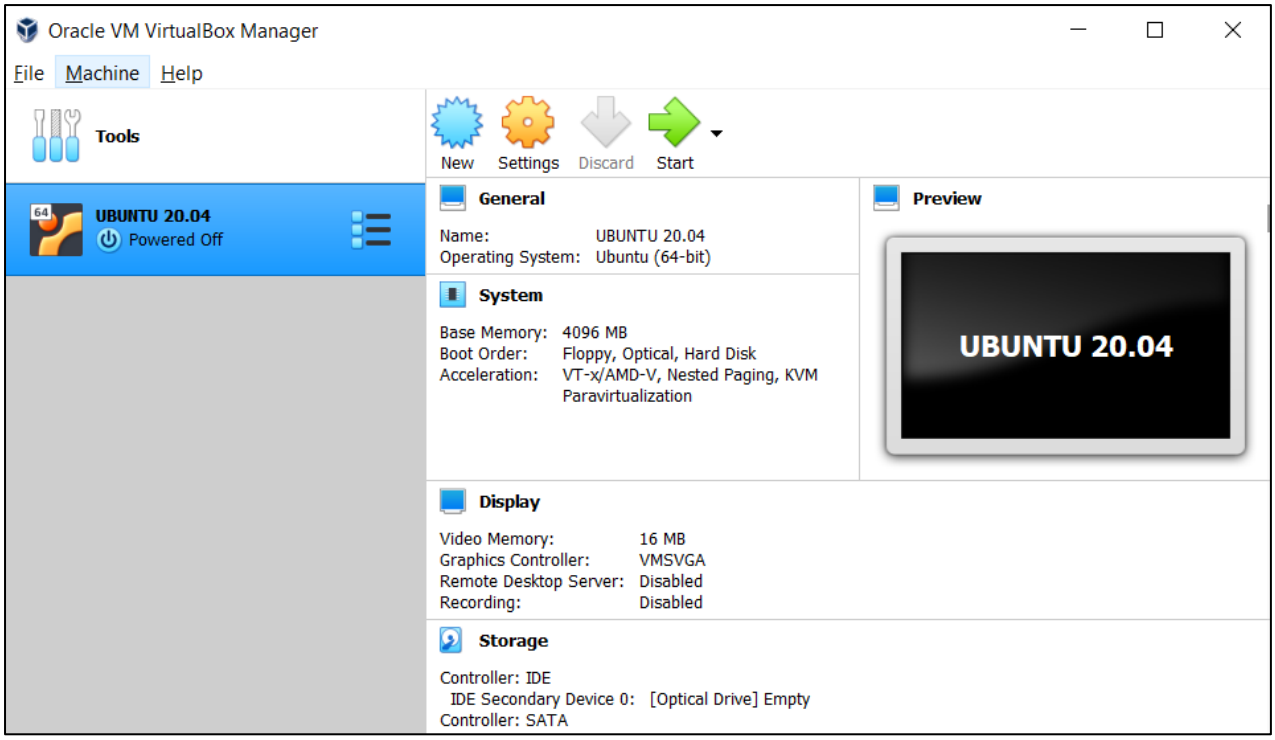
11. Select **Dynamically Allocated** option and click on **NEXT** button.



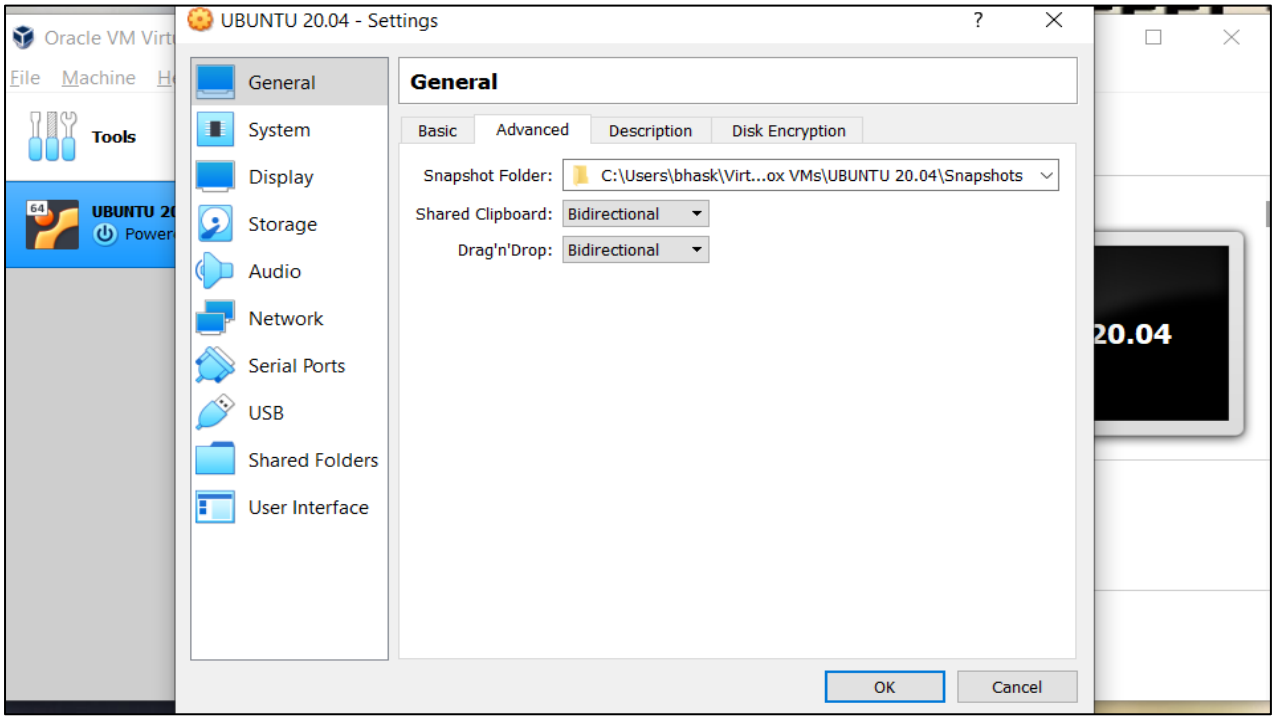
12. Select the **virtual hard disk size** to **40 GB** and click on **CREATE**.



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

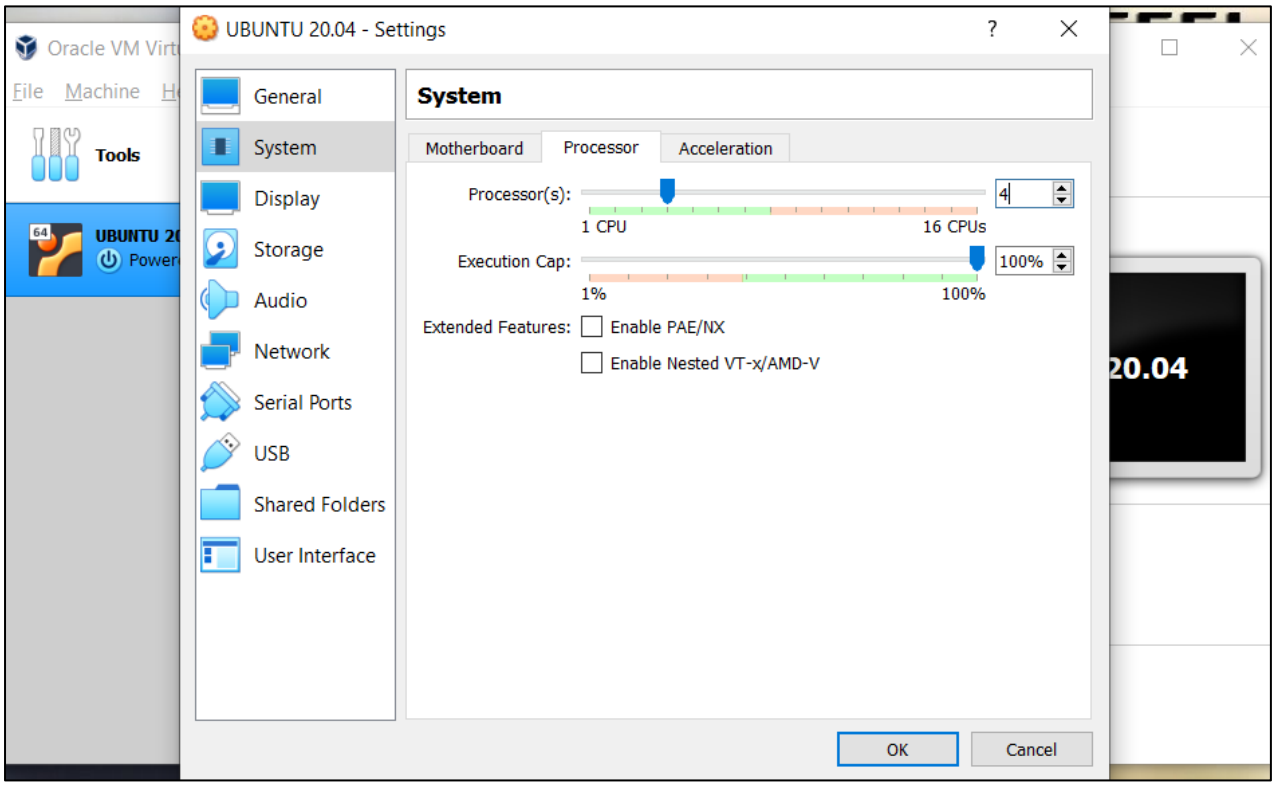


14. Now navigate to **ADVANCED** section under **GENERAL TAB** and set **Shared Clipboard** and **Drag'n'Drop** settings to **BIDIRECTIONAL**.

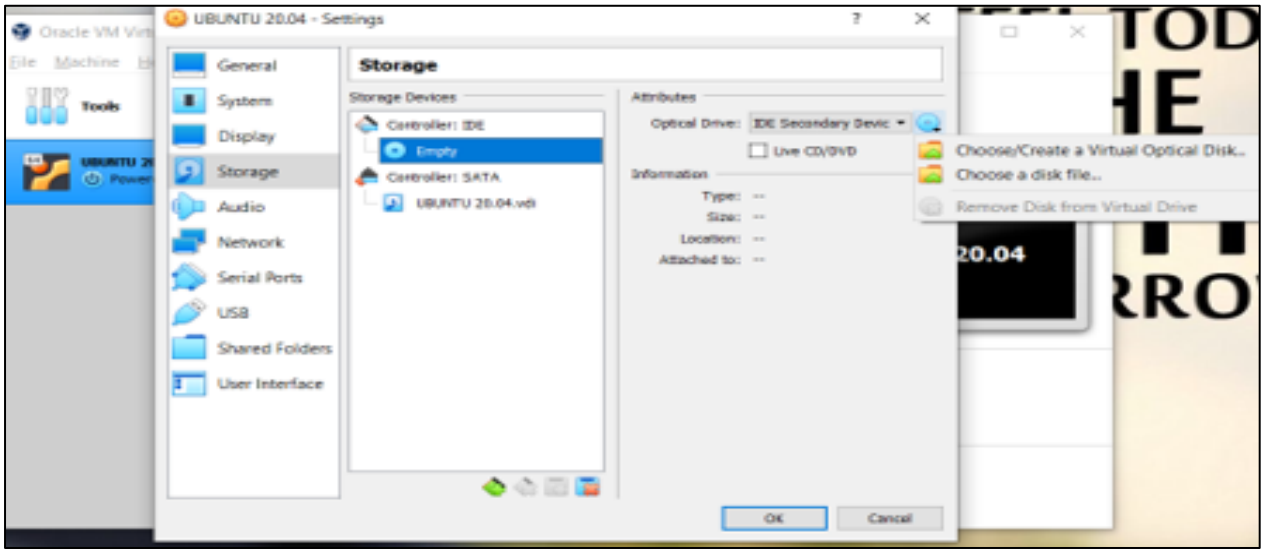


15. Now under **System TAB** select **PROCESSOR** and set to **4 CPU**.

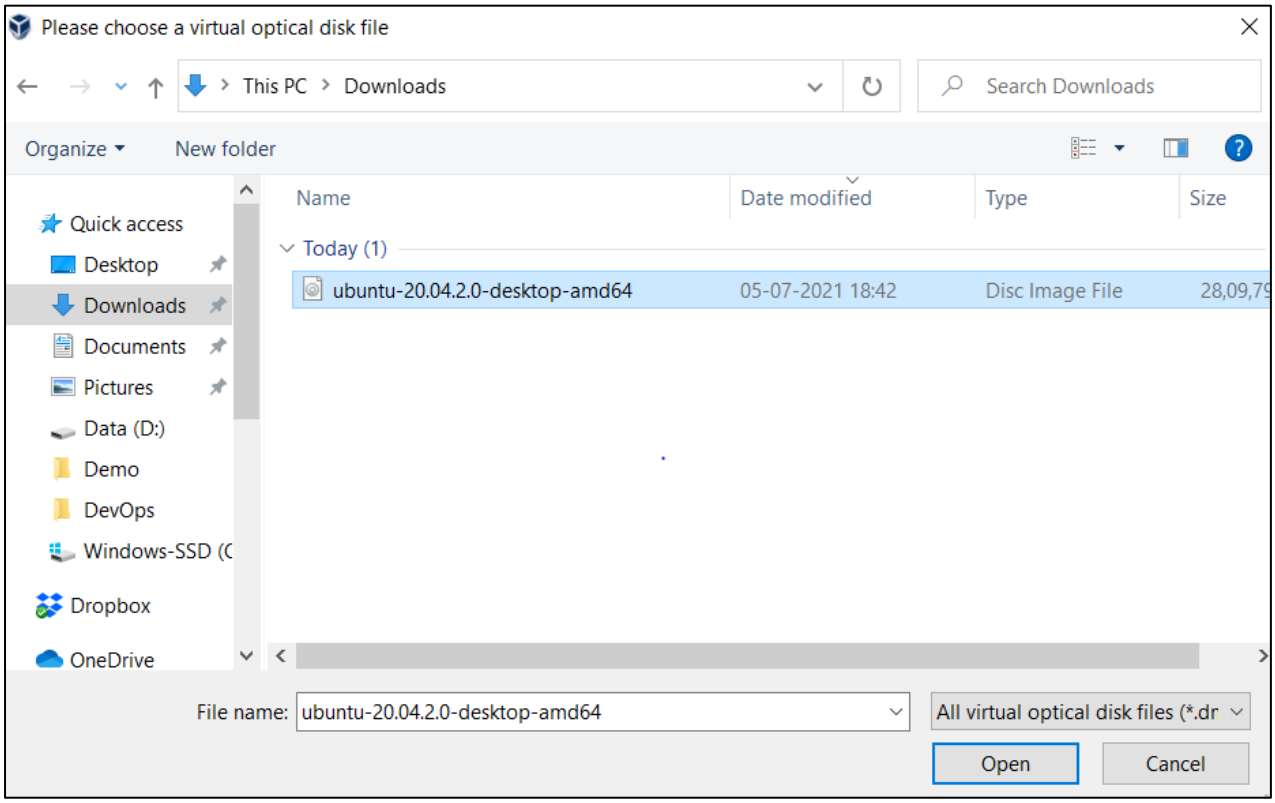
NOTE – you can set PROCESSOR between 2 CPU and 4 CPU.



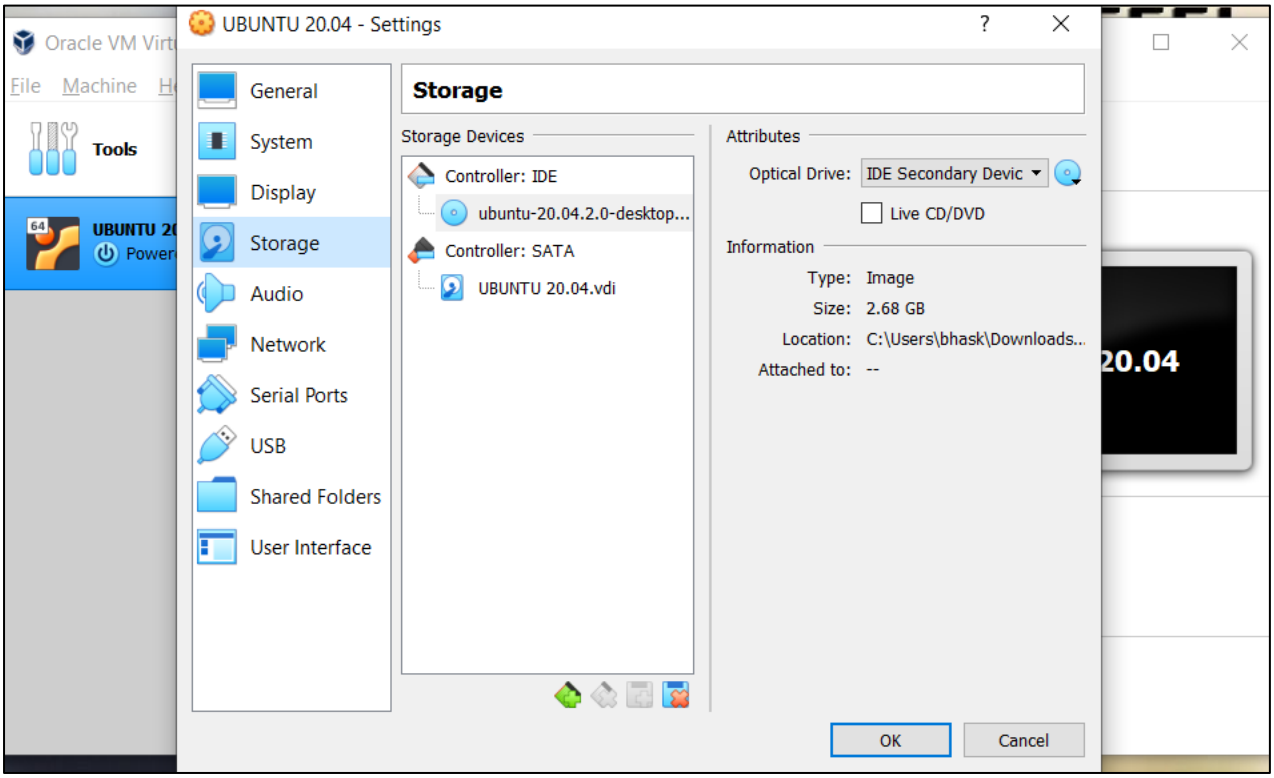
16. Now under **STORAGE** section click on **EMPTY** and further click on **CD ICON** and select **Choose a disk file**.



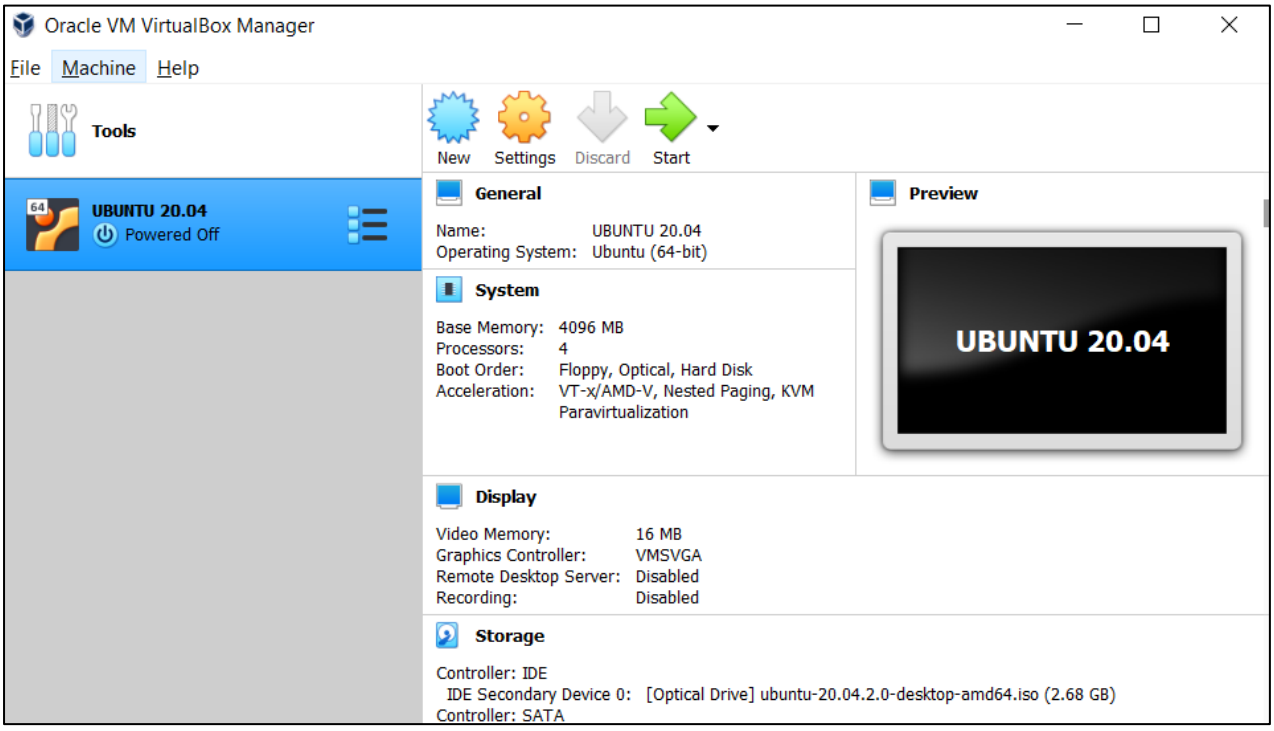
17. Now select the **UBUNTU 20.04LTS ISO** file which you have downloaded earlier.



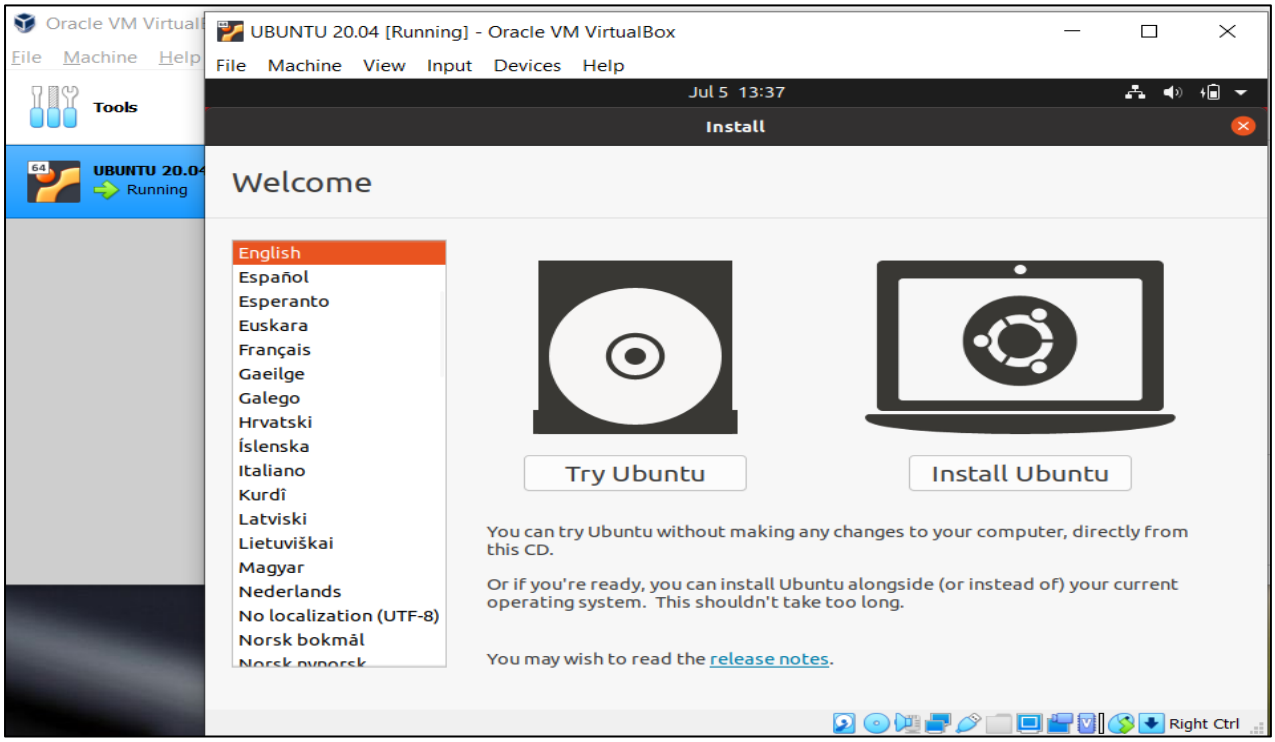
18. You have selected the **UBUNTU ISO** file. Now click on **OK** button.



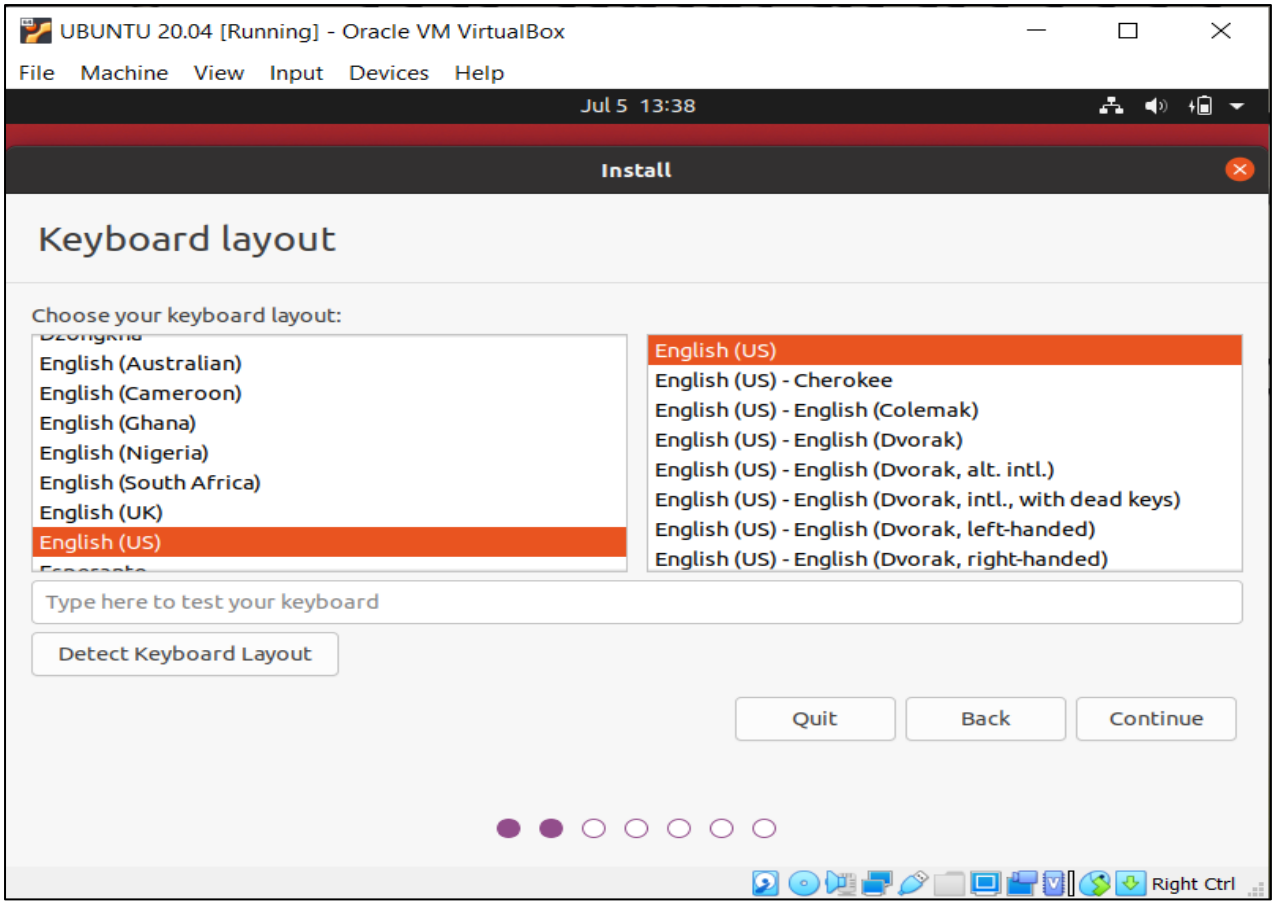
19. Now select your **UBUNTU** machine and click on **START** as shown in the below screenshot.



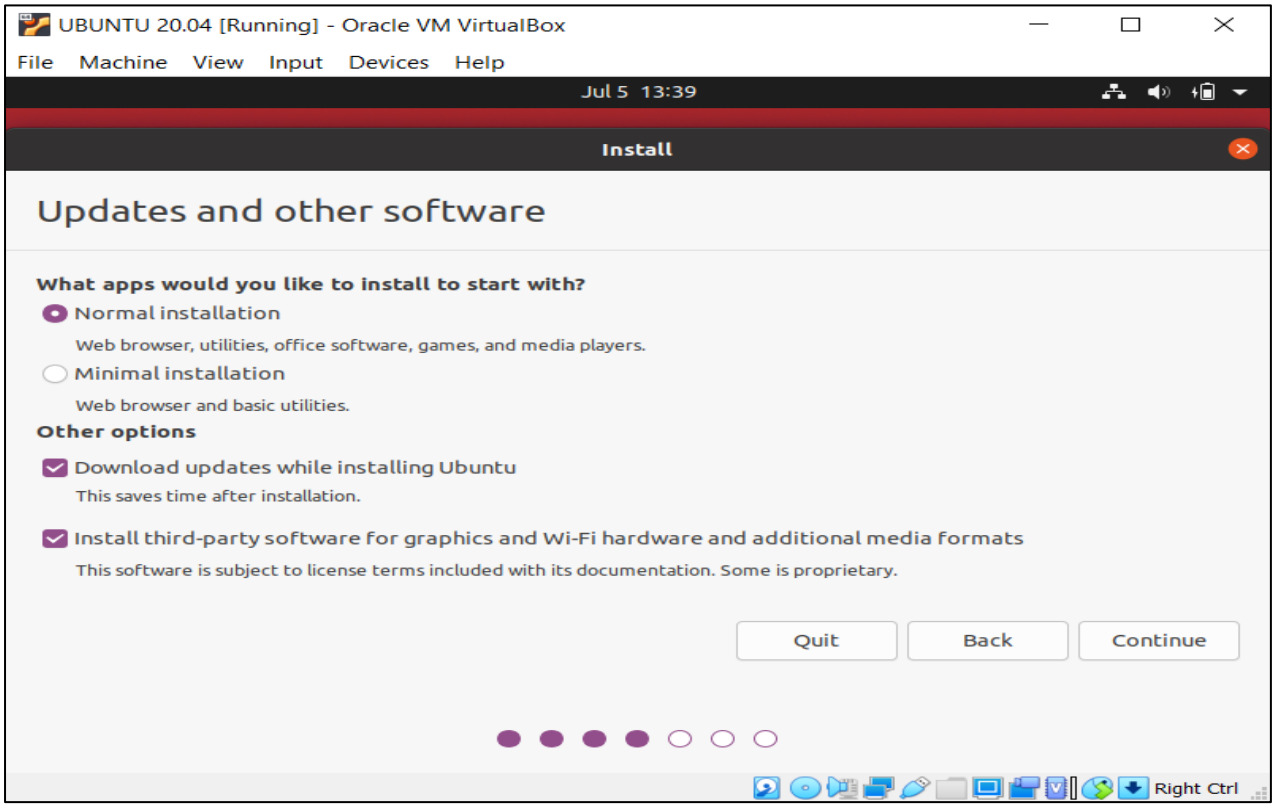
20. Now select **language** as **ENGLISH** and click on **INSTALL UBUNTU** option.



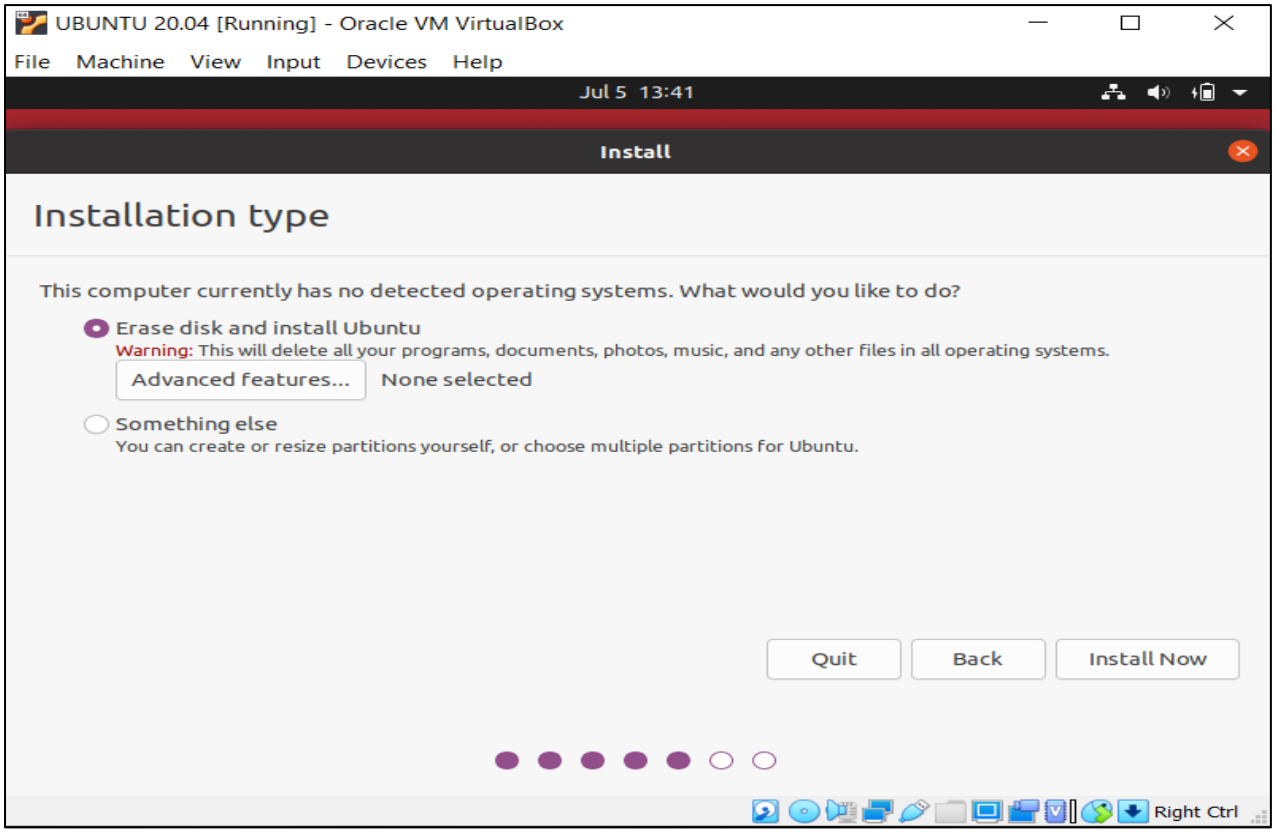
21. Now select the **Keyboard Layout** as **ENGLISH (US)** and click on **continue**.



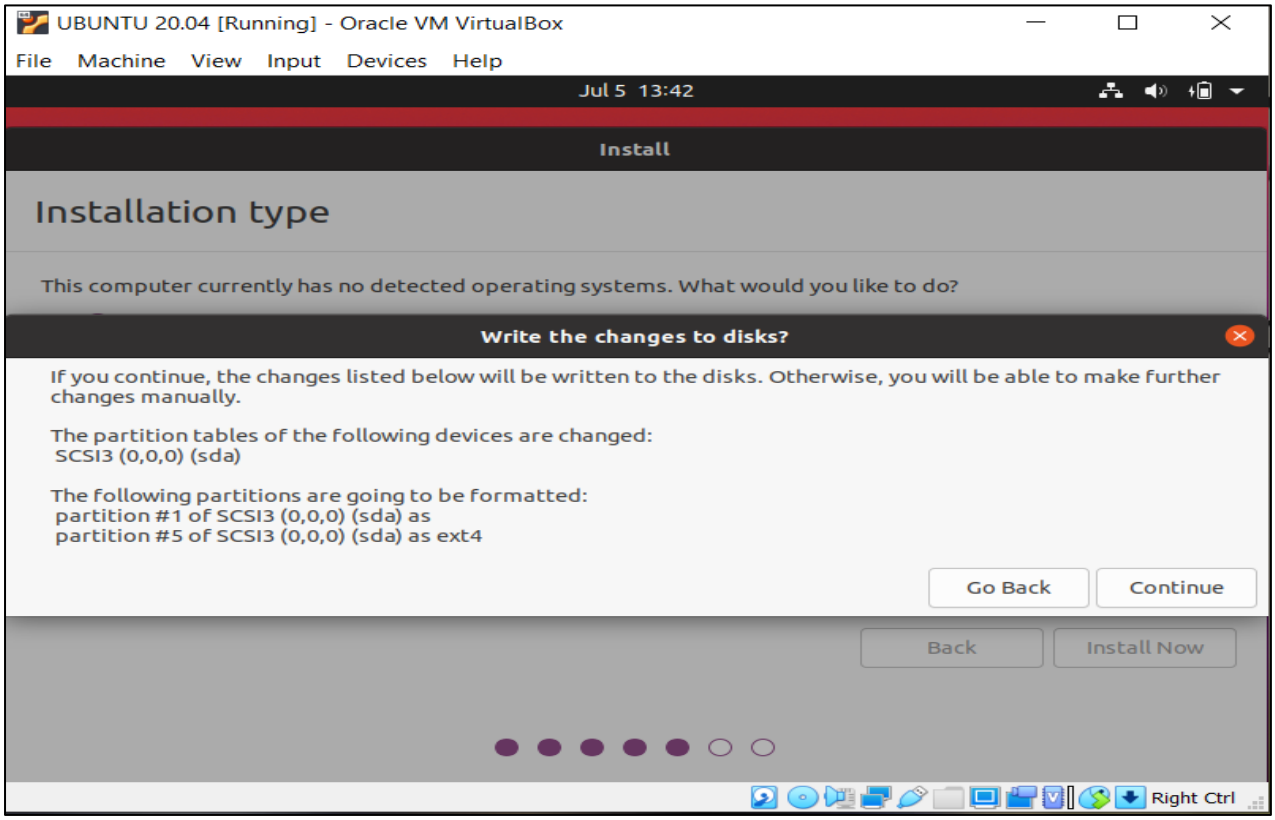
22. Now select the options as mentioned below in the screenshot and click on **continue**.



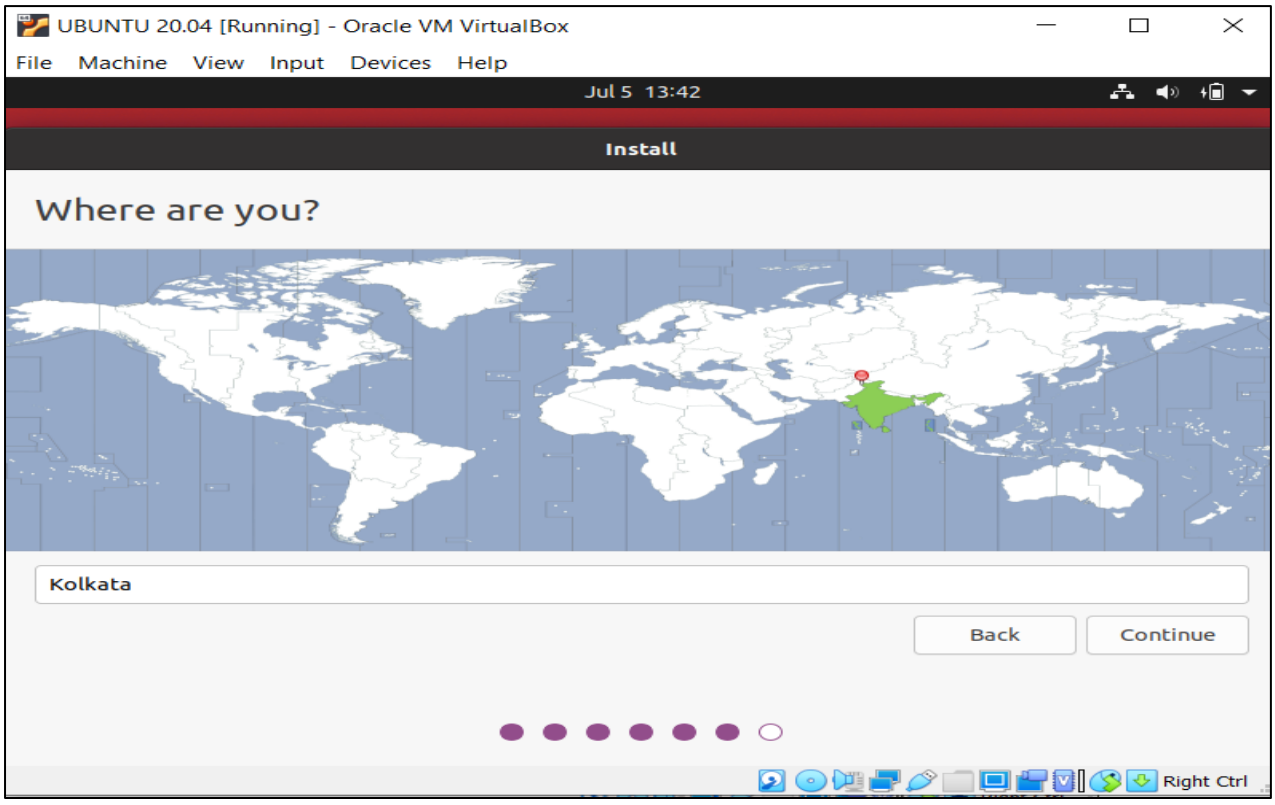
23. Now select the **DEFAULT** options and click on **INSTALL NOW**.



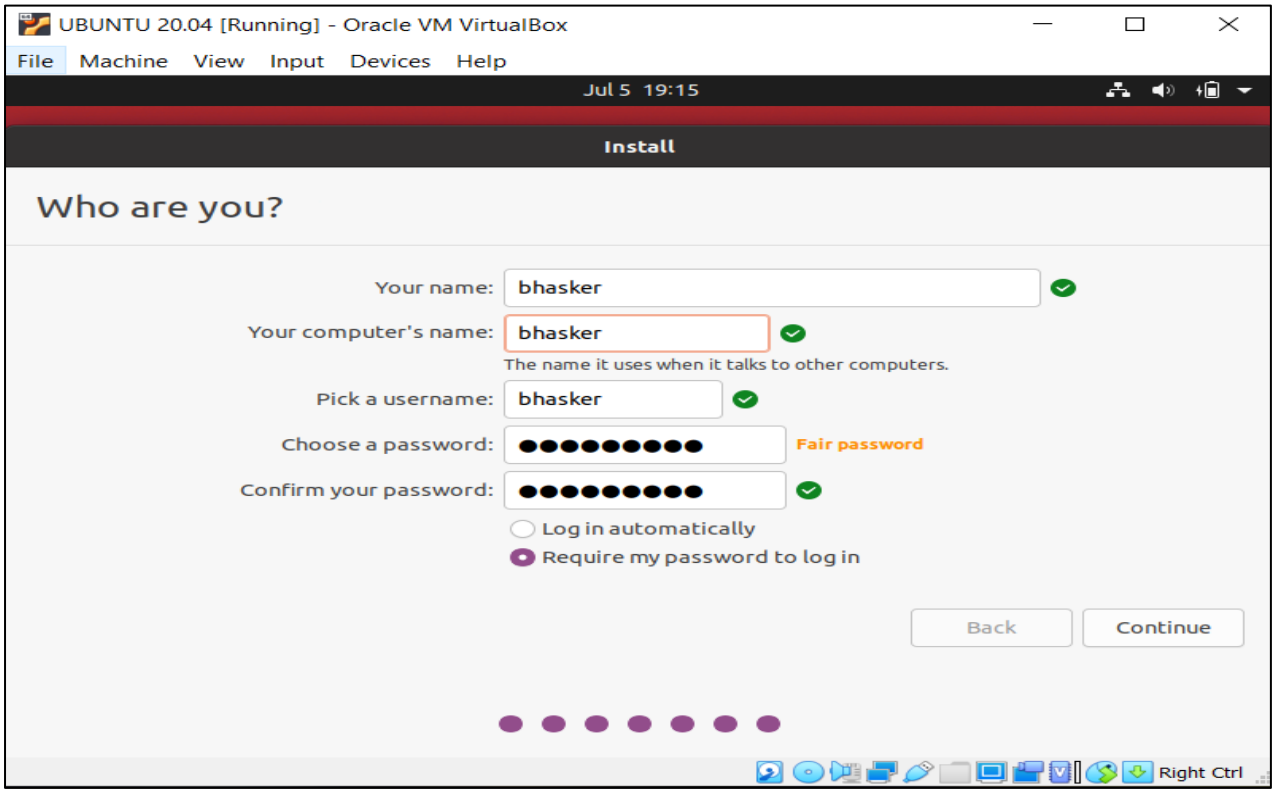
24. You can see the **POPUP**, click on **continue** option.



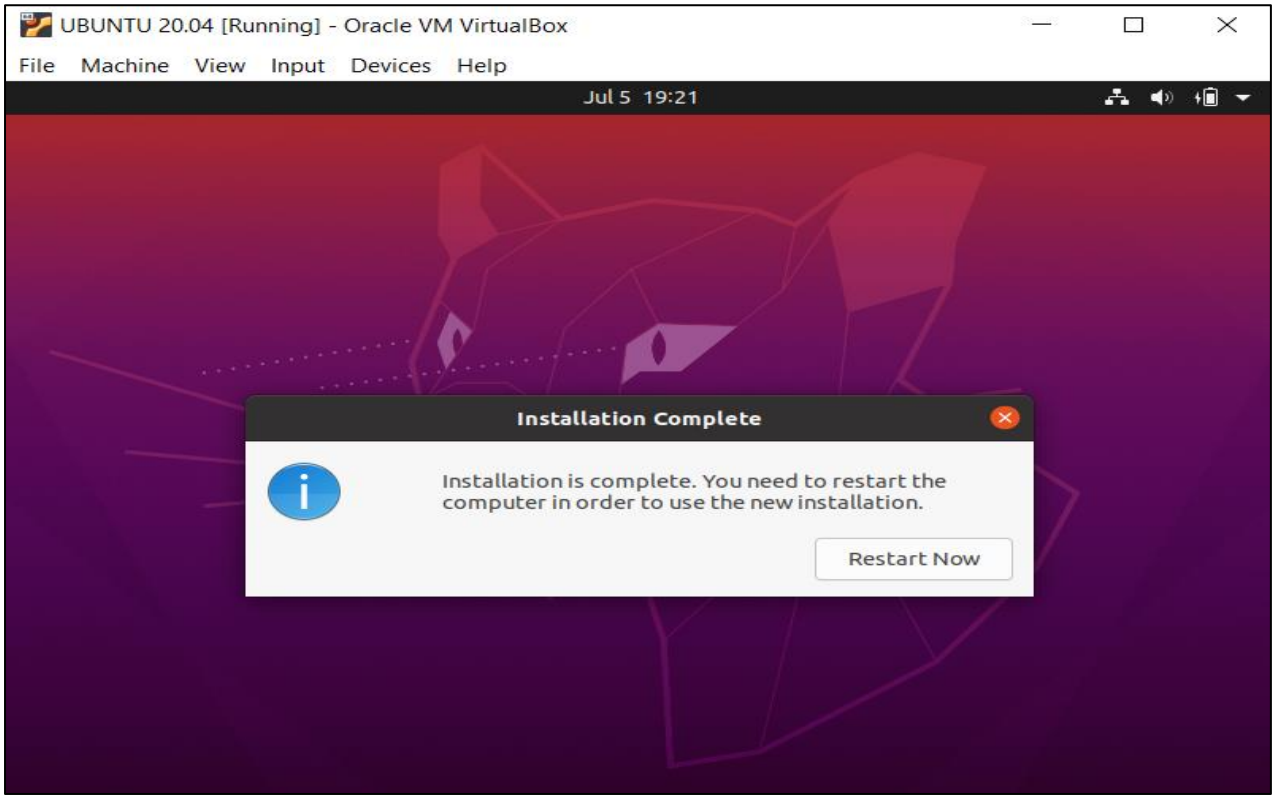
25. Now select your **LOCATION** and click on **continue**.



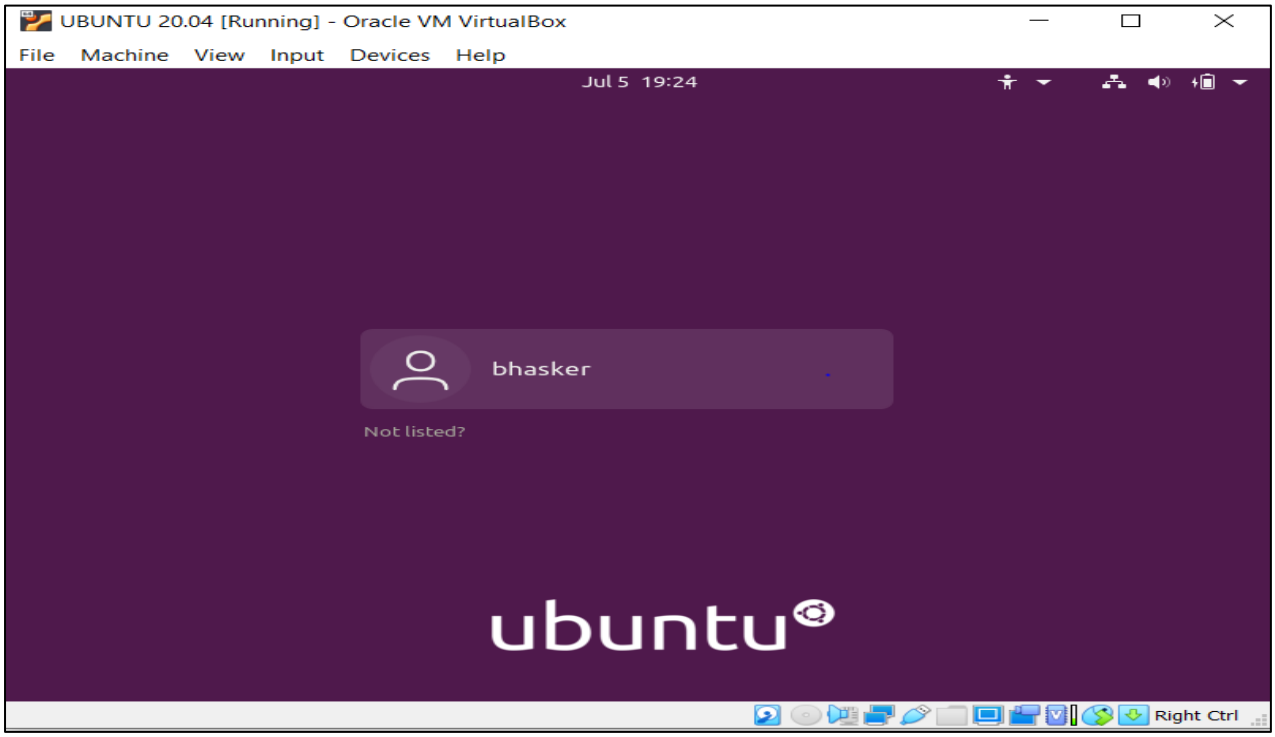
26. Now set your **USERNAME** and **PASSWORD** as shown in the below screenshot and click on **continue**.



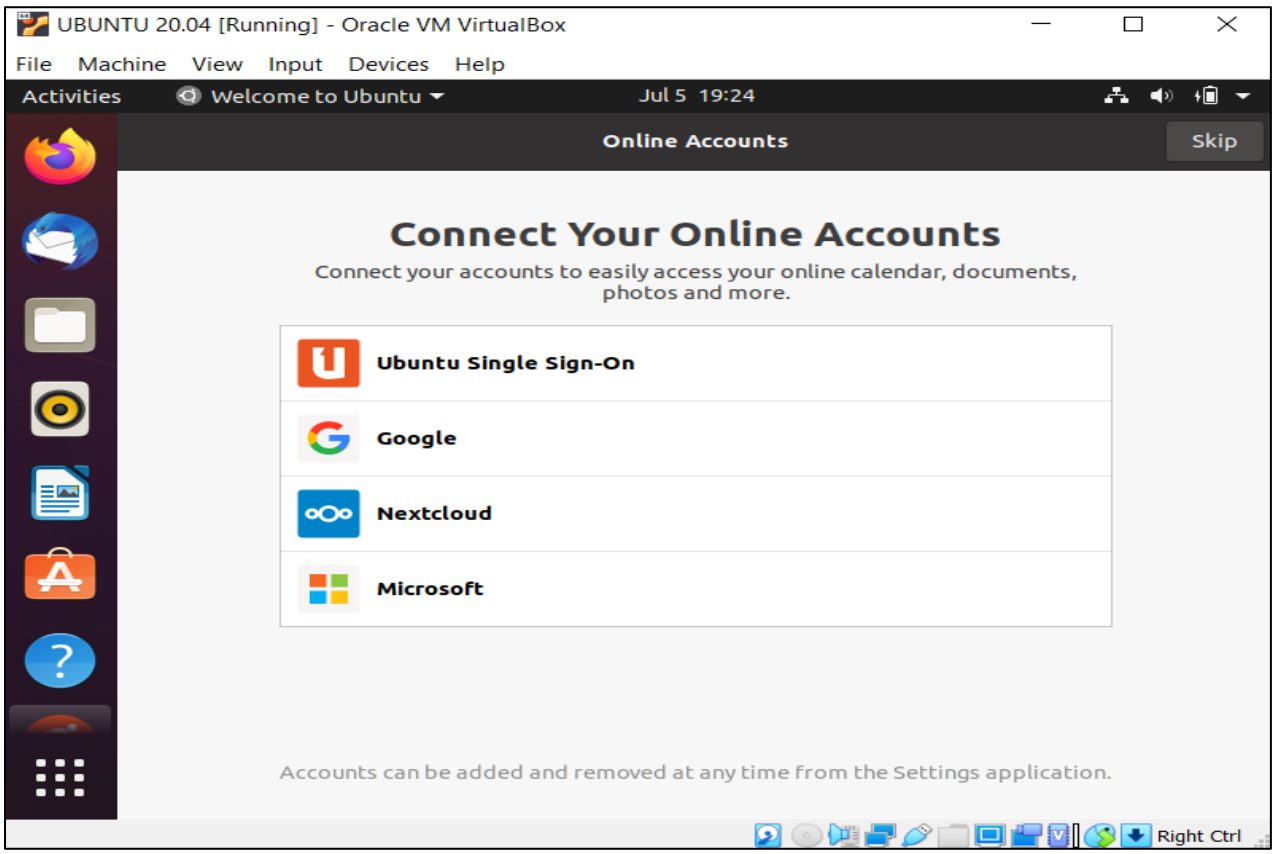
27. Now **UBUNTU** installation is completed successfully. Click on **RESTART NOW** button.



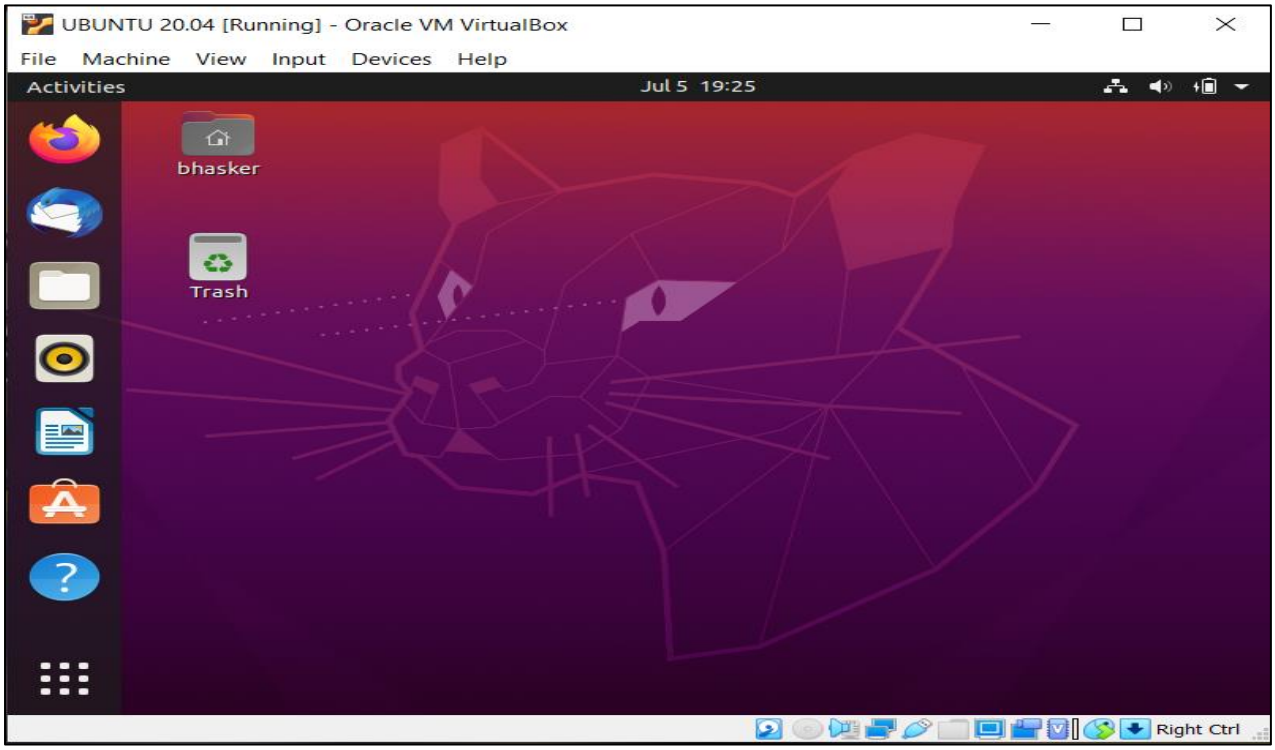
28. Once **UBUNTU** machine is restarted successfully. Login back to **UBUNTU** machine using **USERNAME** and **PASSWORD**.



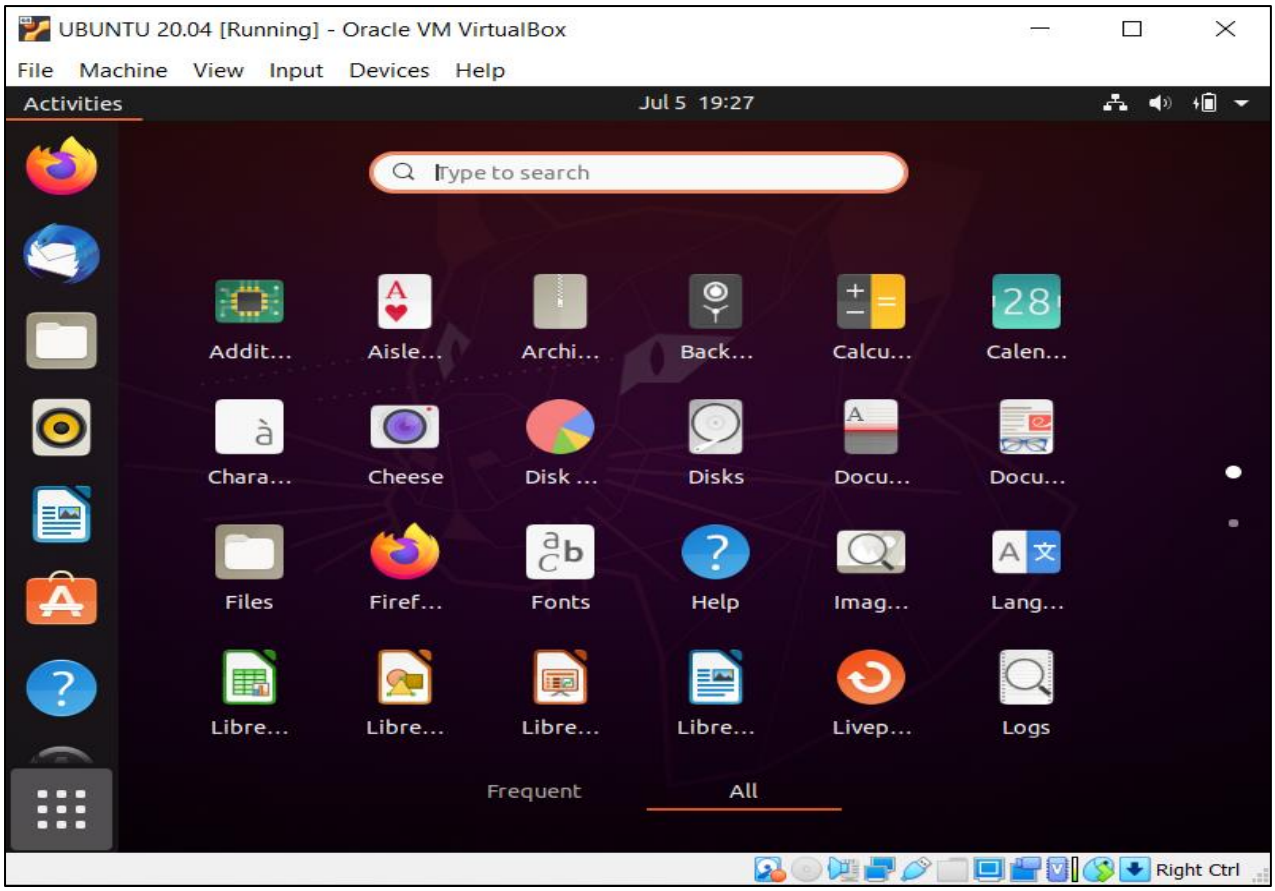
29. SKIP the initial setup as shown in the below screenshot.



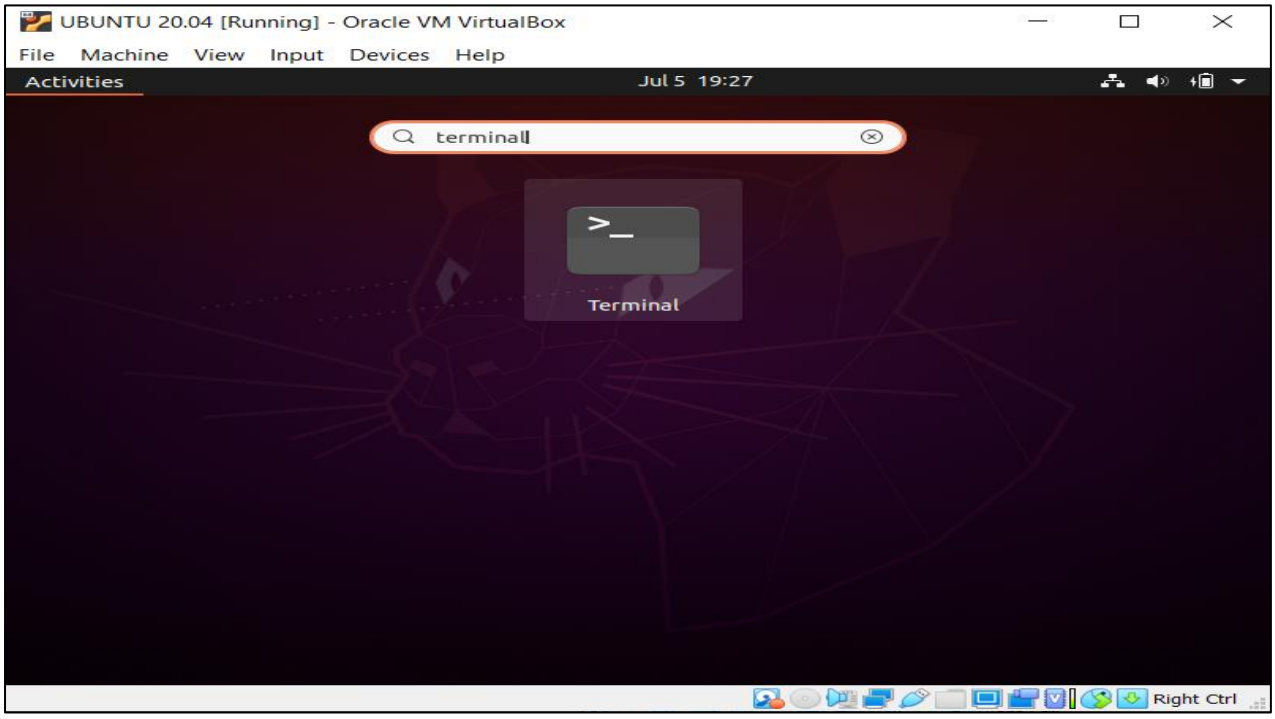
30. Now **UBUNTU** machine is ready to use as shown in the below screenshot.



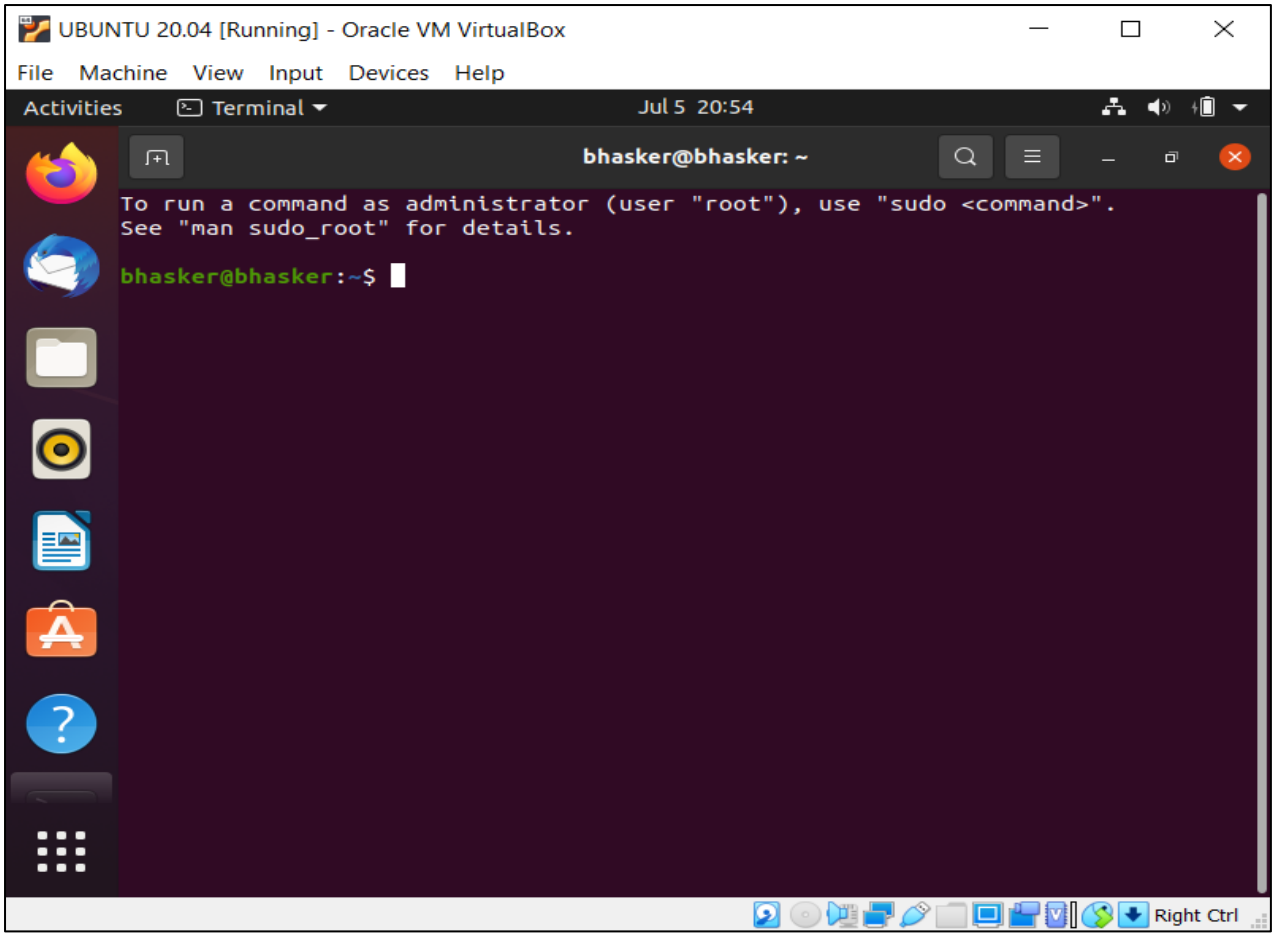
31. Now click on **bottom left icon** to open all applications as shown in the below screenshot.



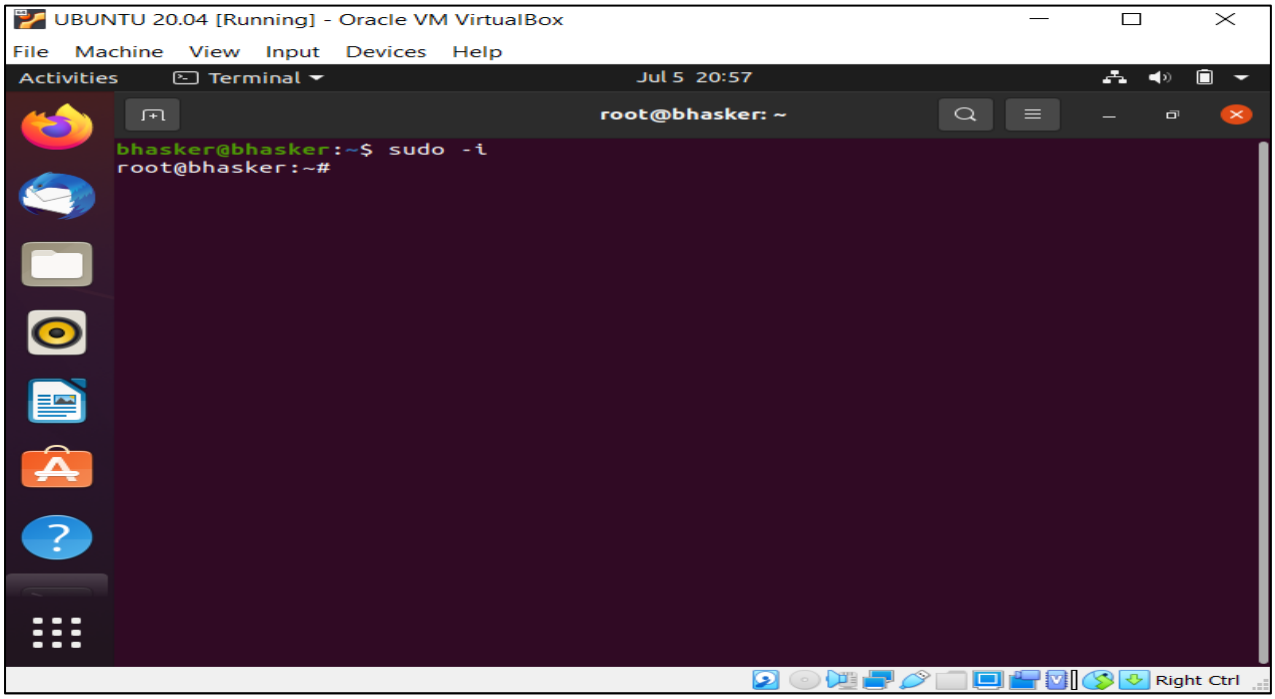
32. Now search for **TERMINAL** and click on **TERMINAL** icon.



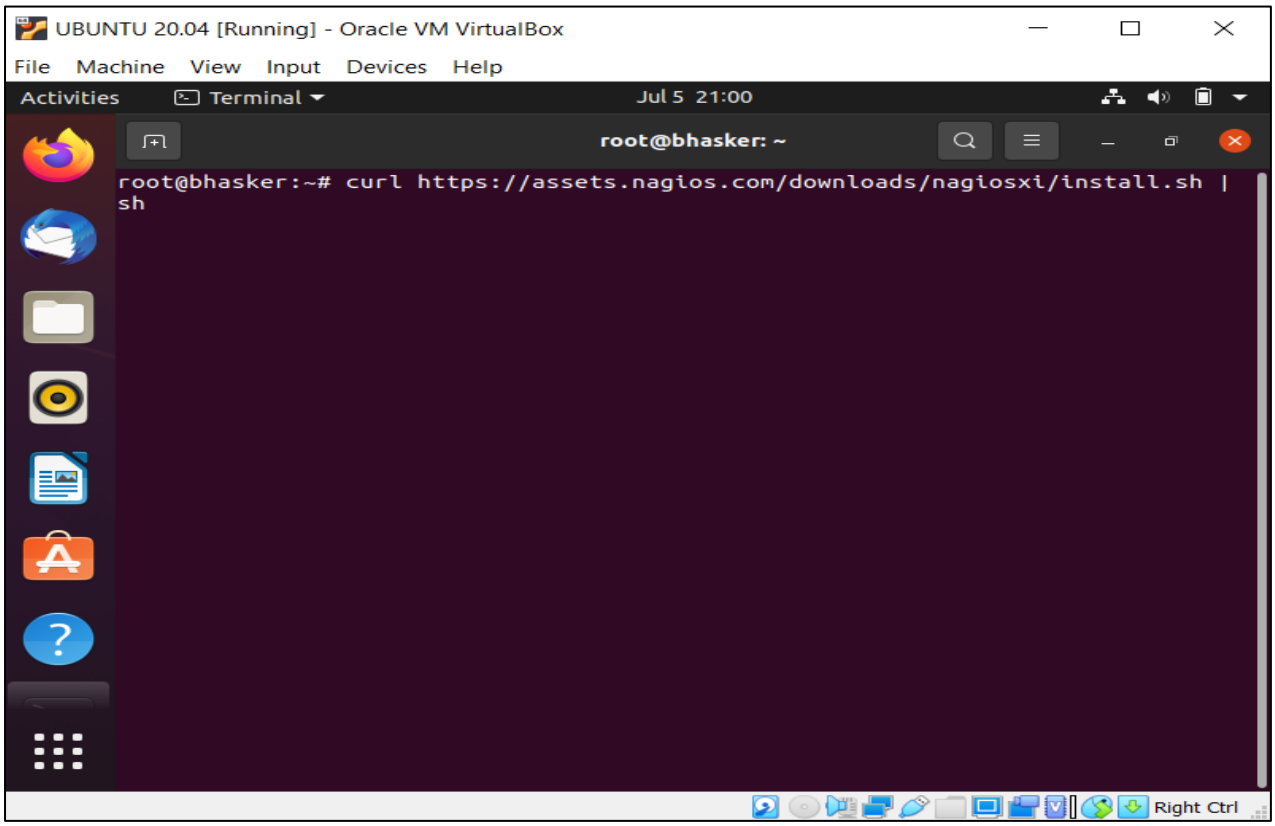
33. Now **UBUNTU** terminal is opened successfully as shown in the below screenshot.



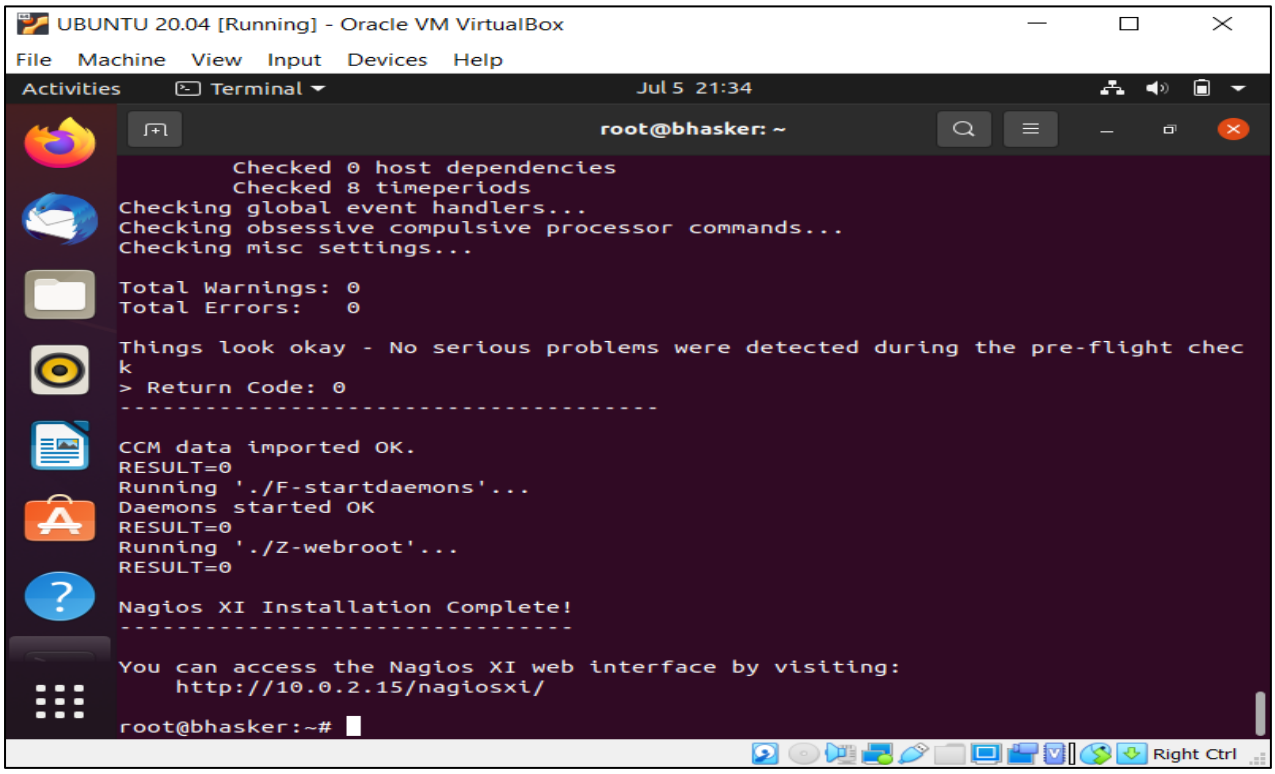
34. Change your privileges to **ROOT** using command:
sudo -i



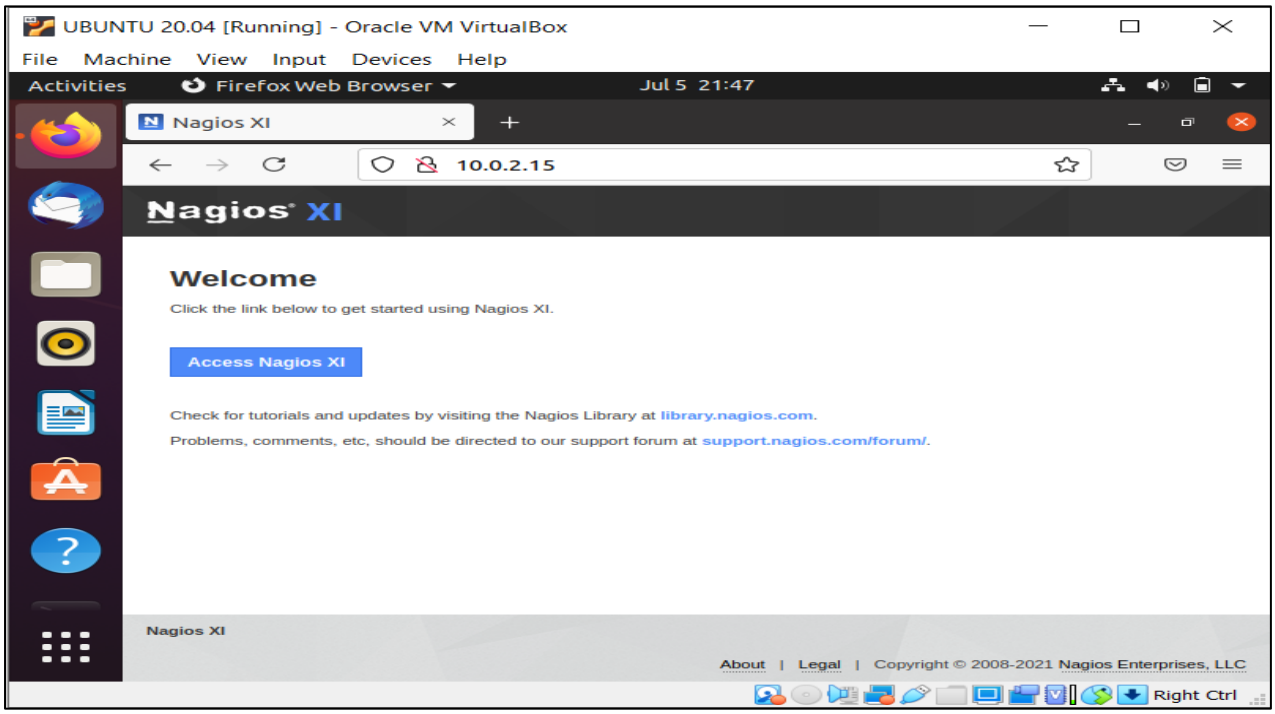
35. Use the below command to run the **script** that **INSTALL** and **CONFIGURE NAGIOSXI** on **UBUNTU** server.
curl https://assets.nagios.com/downloads/nagiosxi/install.sh | sh



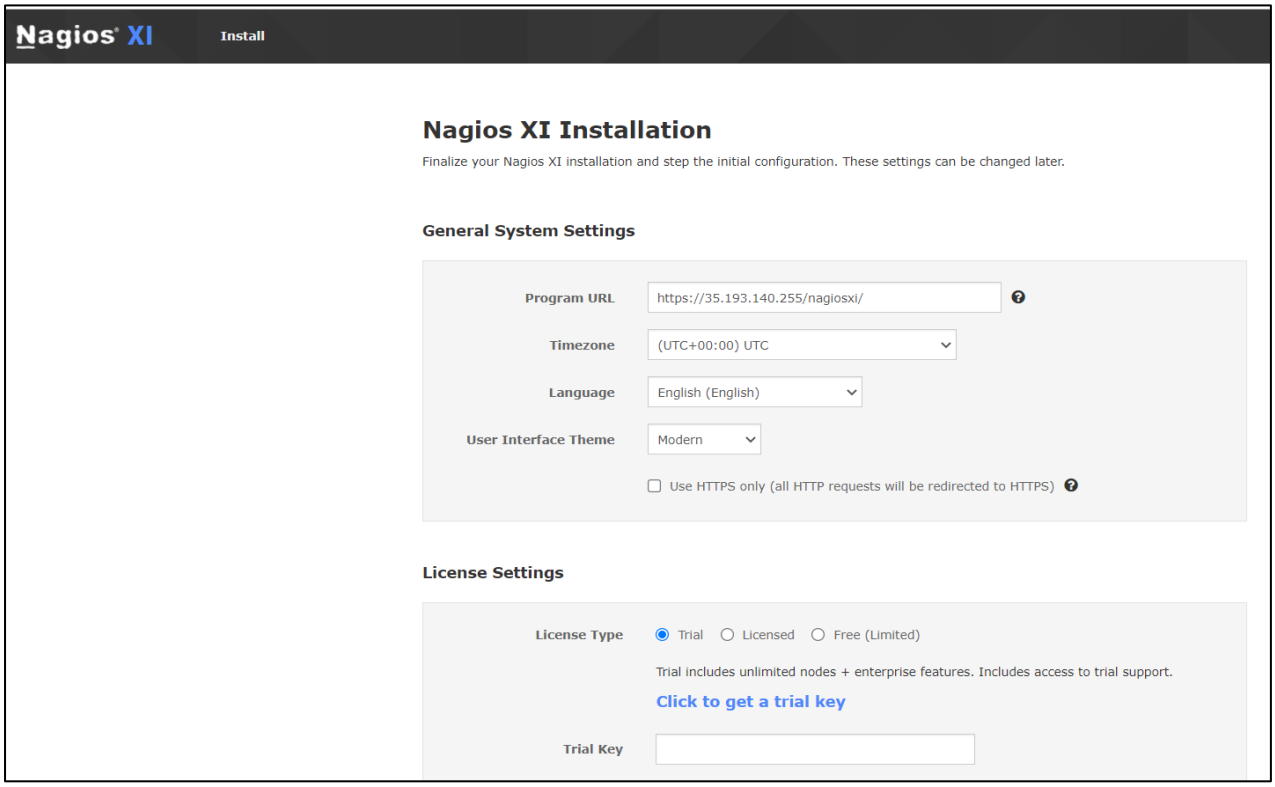
36. It can take up to **20 minutes** to **INSTALL** and **CONFIGURE NAGIOSXI**. Once done you can see the status as **NAGIOSXI Installation Complete!.**



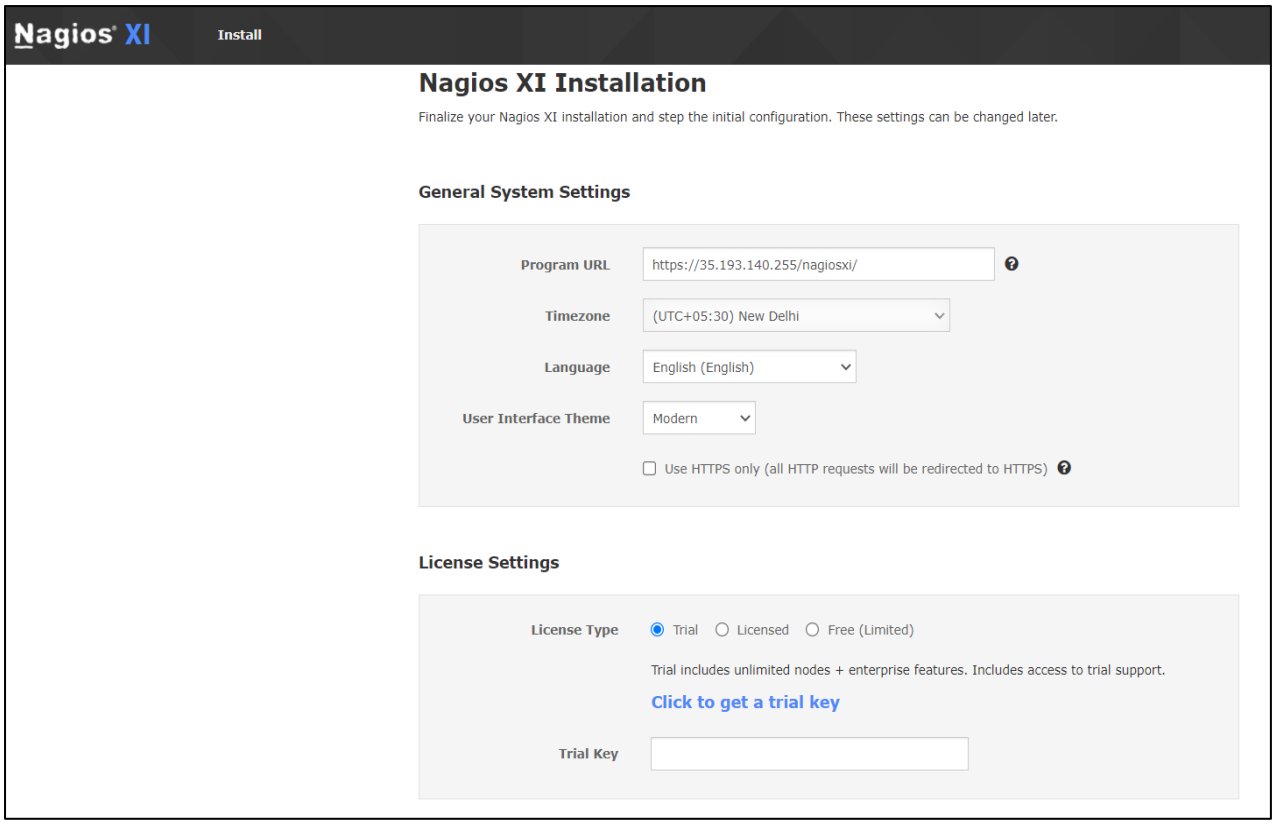
37. Now copy the **NAGIOSXI** web address **(**[**http://<ip-address>/nagiosxi/**](http://<ip-address>/nagiosxi/)) and paste it on **FIREFOX** browser as shown in the below screenshot.
NAGIOSXI loaded successfully. Now click on **ACCESS NAGIOSXI**.



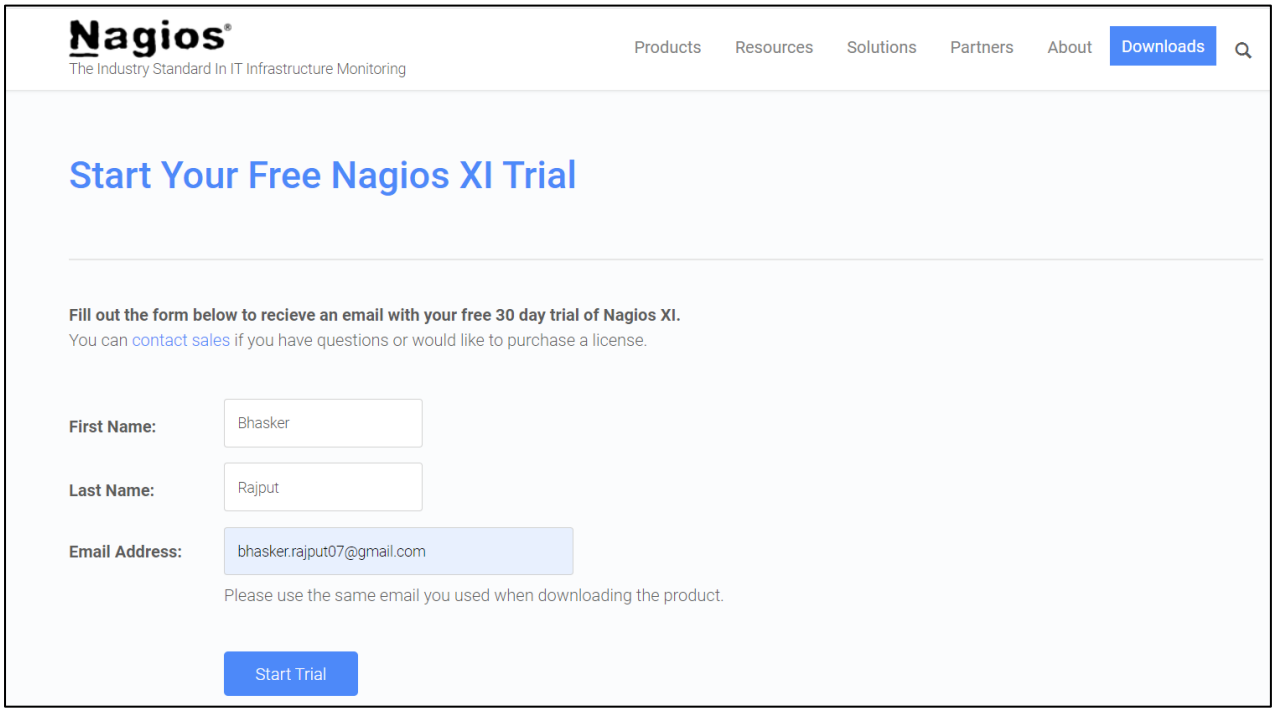
38. You are navigated to **NAGIOSXI INSTALLATION** page as shown below in the screenshot.



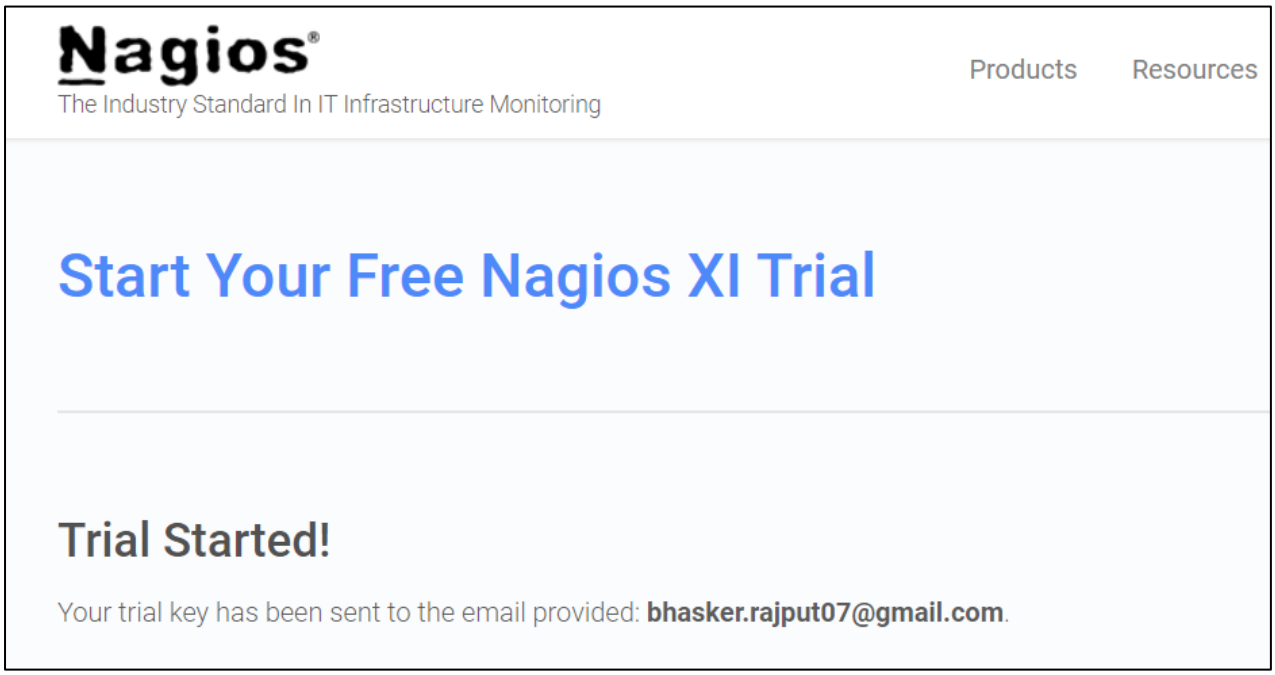
39. Now change the **TIMEZONE** and click on **Click to get trial key** option under **License settings**.



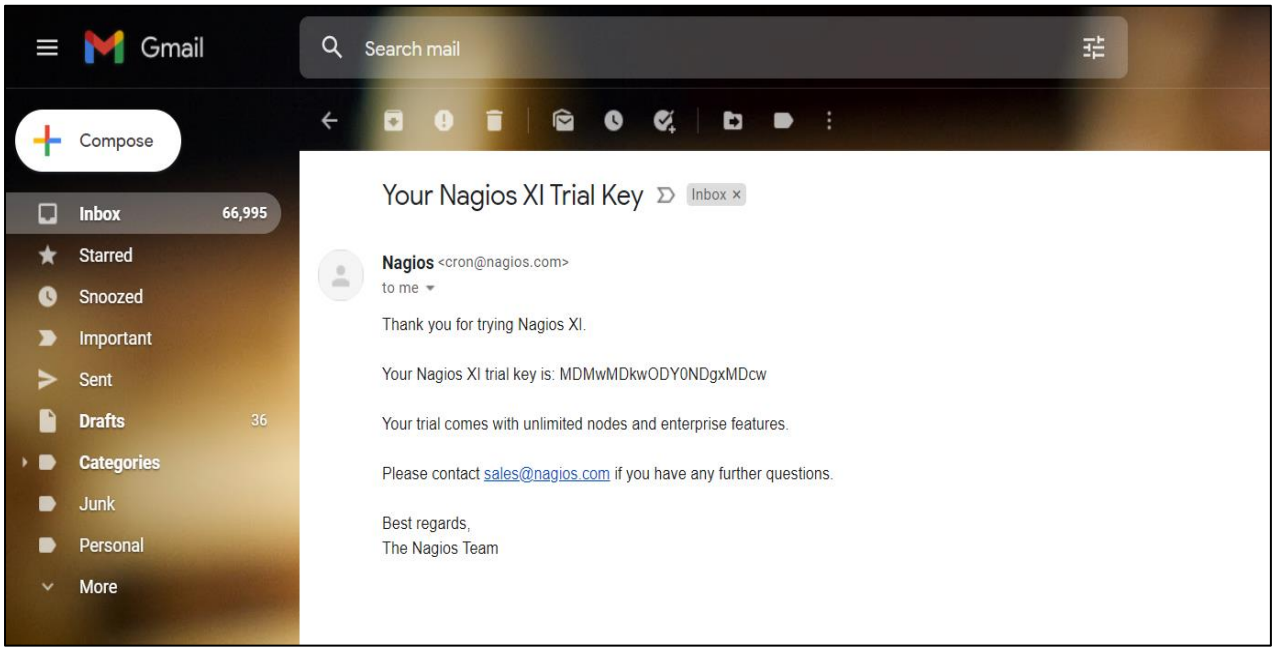
40. Provide **First name**, **Last name** and **Email address** and click on **START TRIAL**.



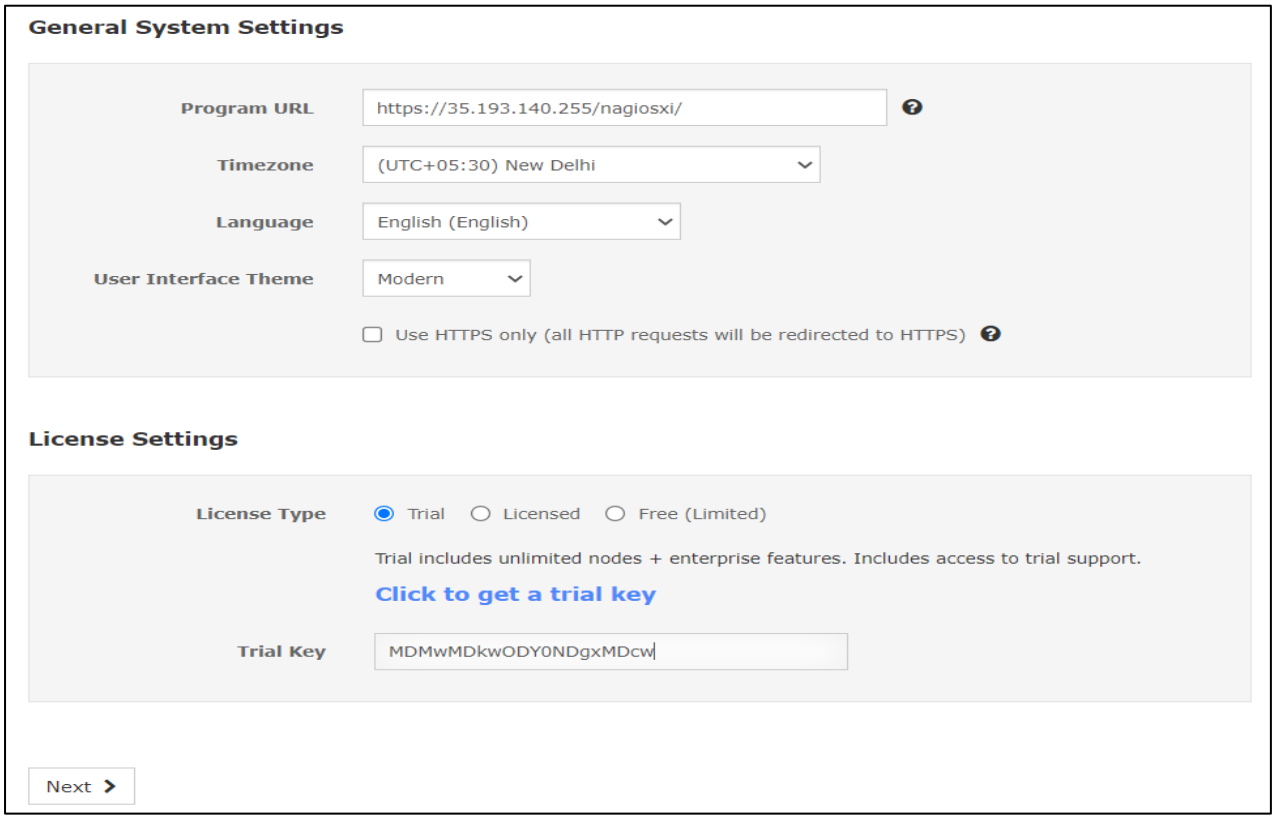
41. You can see the message **TRIAL STARTED**.



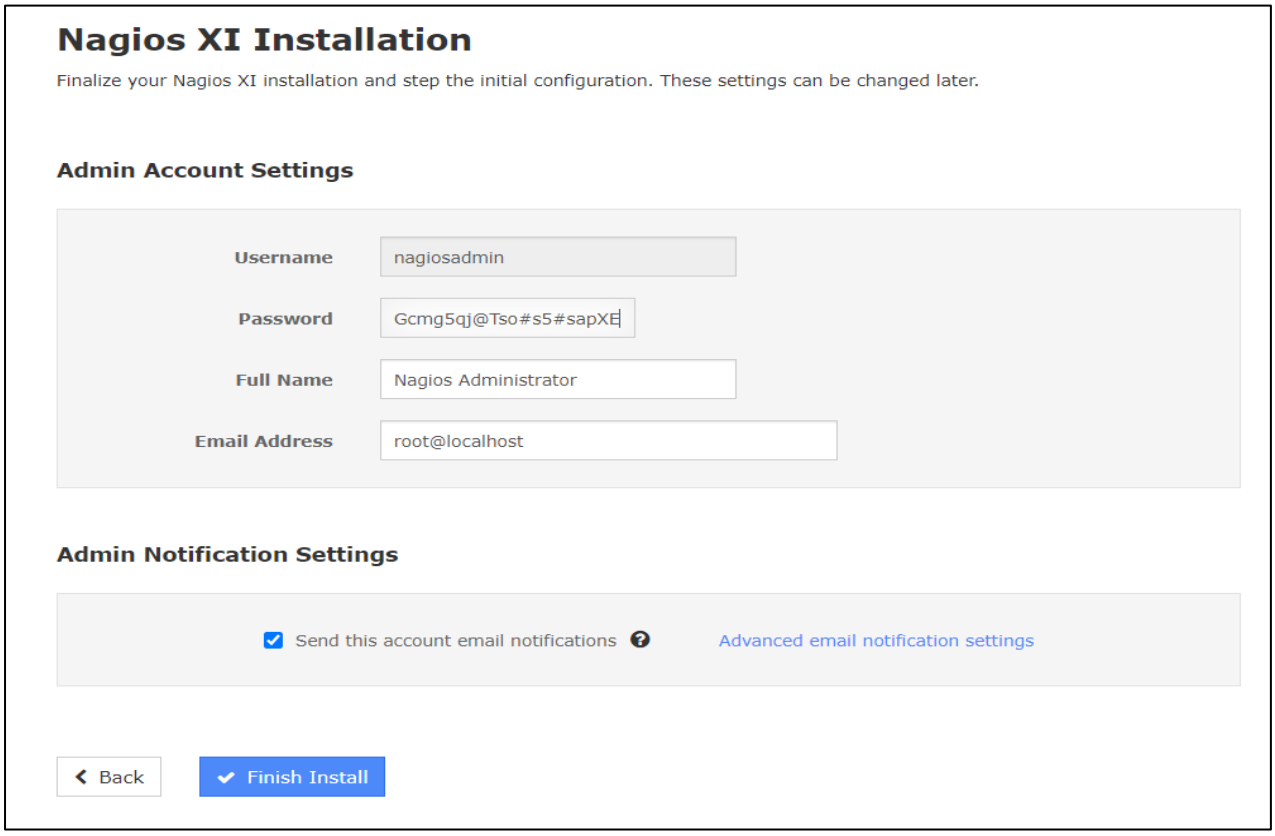
42. Navigate to your **EMAIL ADDRESS** and **copy** the **TRIAL KEY** as mentioned in the below screenshot.



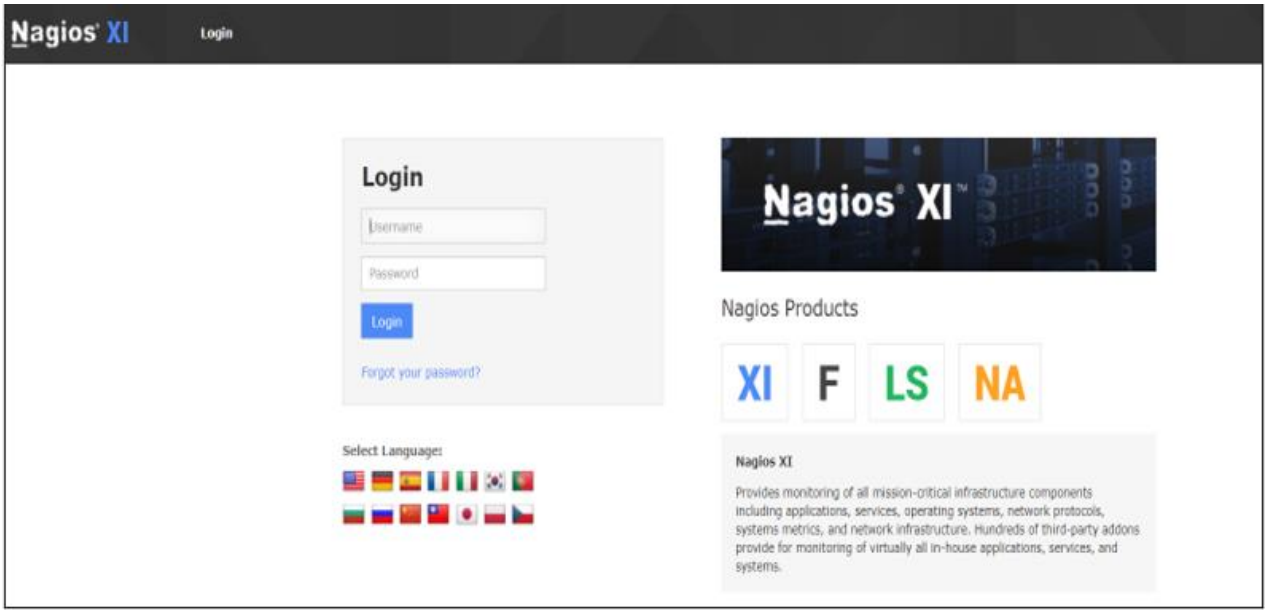
43. Provide the **TRIAL KEY** and click on **NEXT** button.



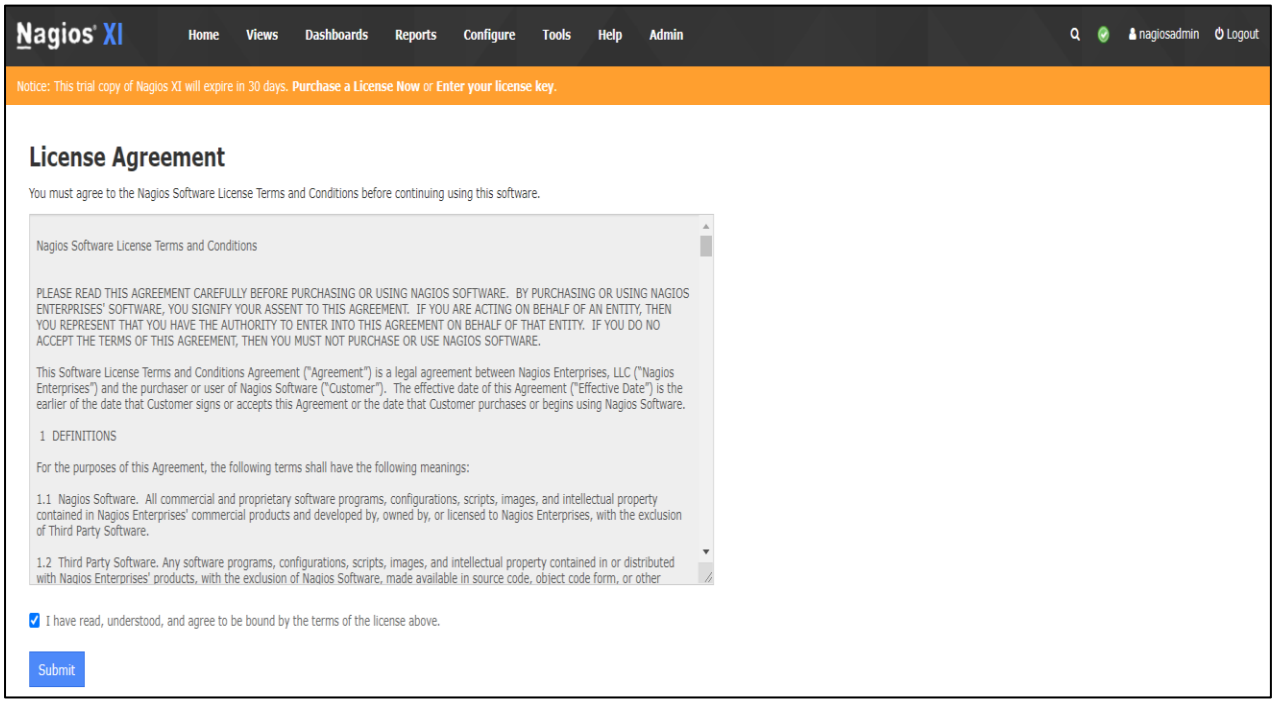
44. Save **username** and **password** in your local system and click on **FINISH INSTALL**.



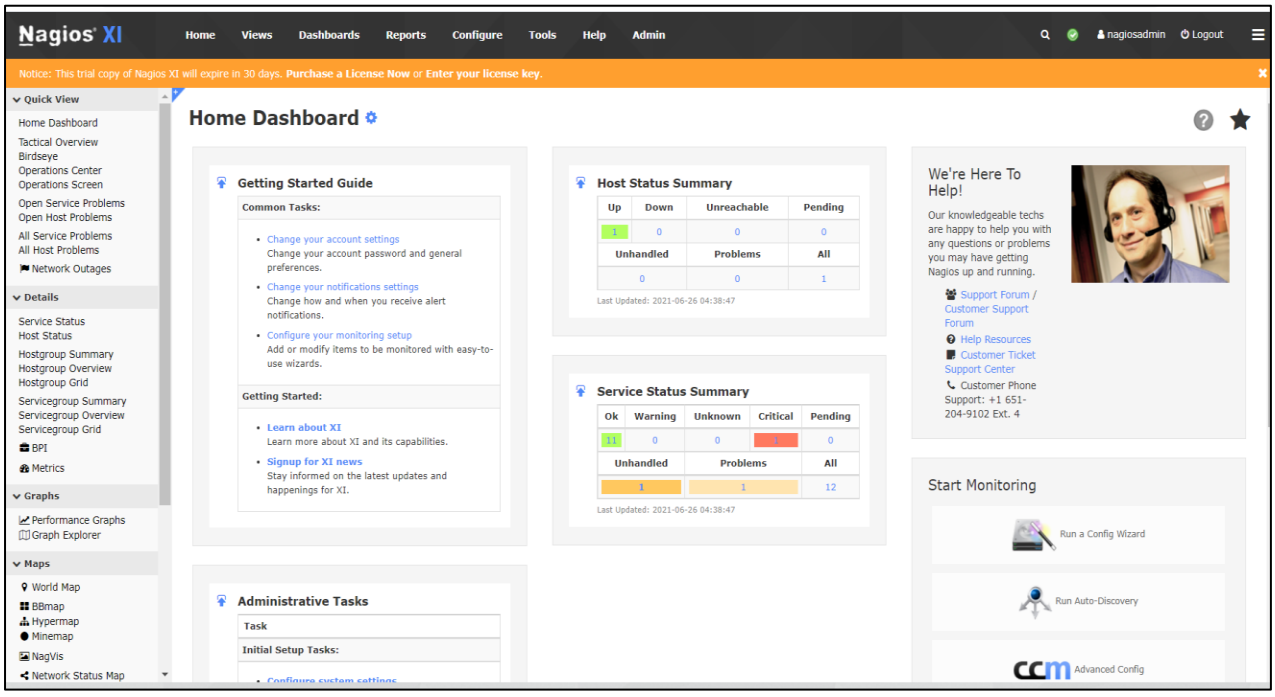
45. Now you are navigated to **NAGIOSXI** login page. Provide **username** and **password** to **login**.



46. ACCEPT the License Agreement.

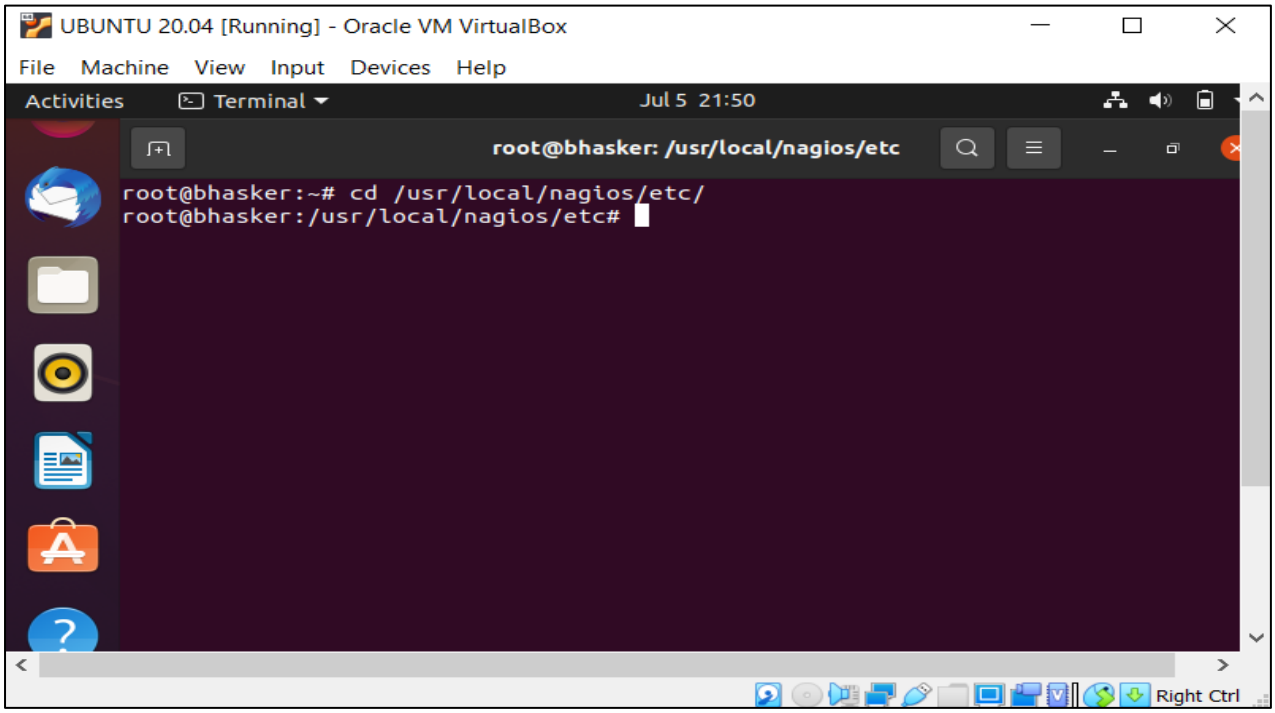


47. Now you are successfully logged in to **NAGIOSXI** application as shown in the below screenshot.



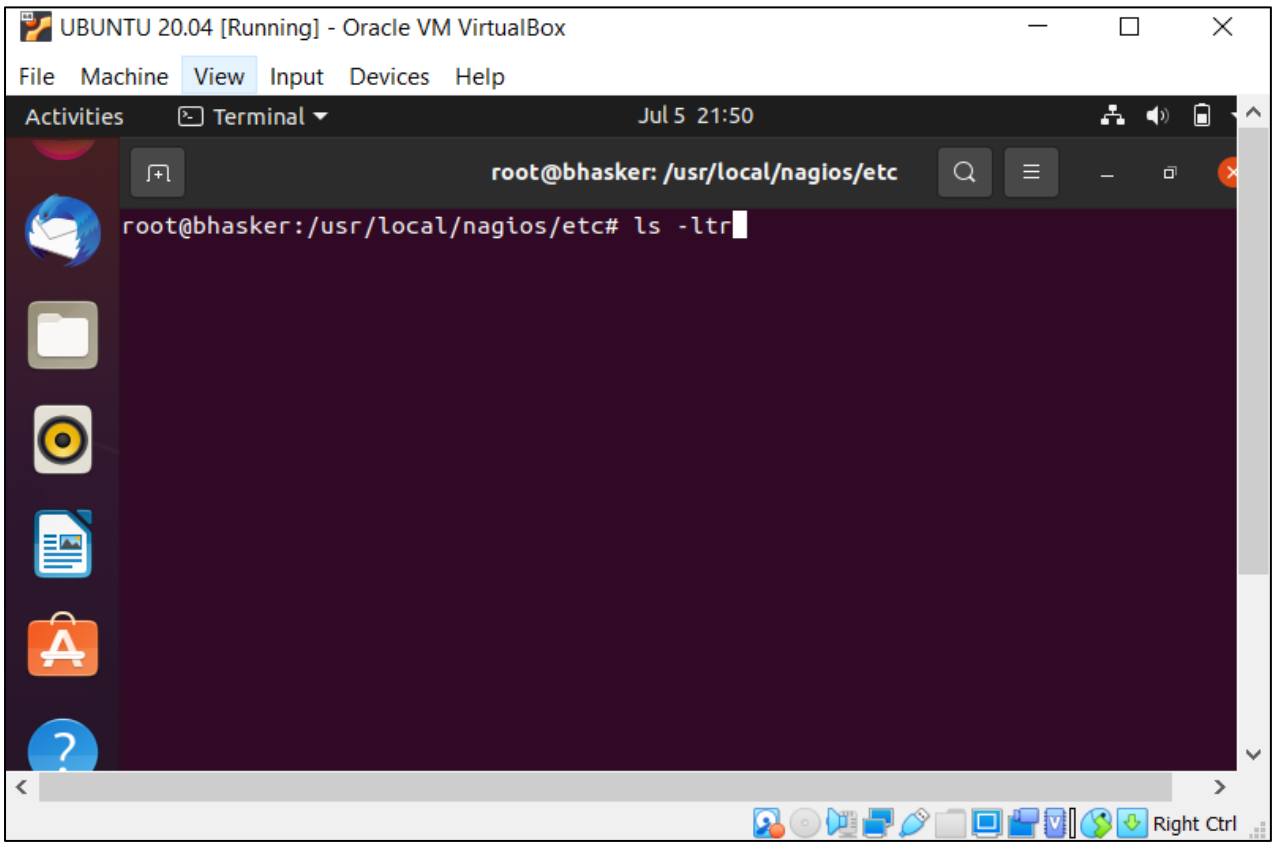
48. Navigate back to **UBUNTU** terminal and use the below path to check the **nagios.cfg** file.

cd /usr/local/nagios/etc/



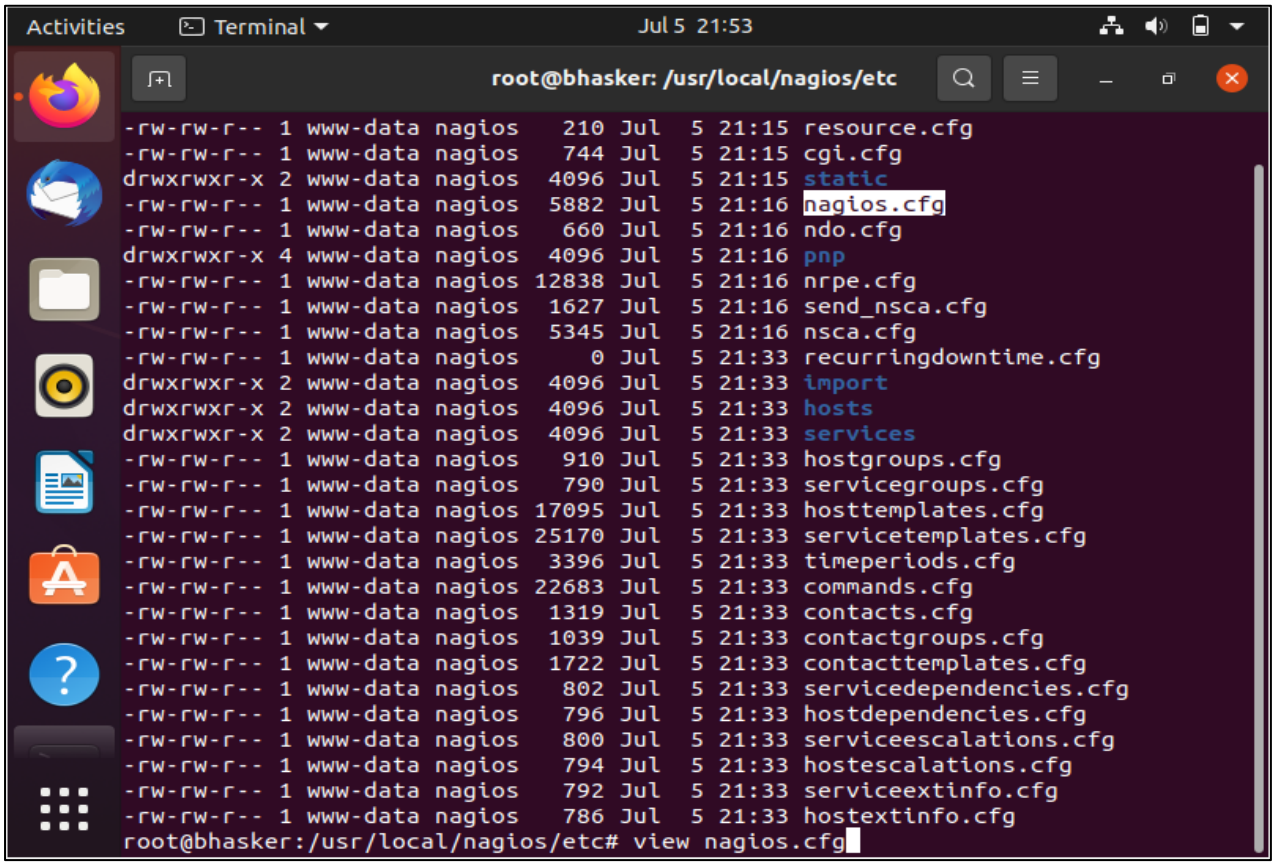
49. List the files under **etc** directory using command:

ls -ltr



50. Now you can see **nagios.cfg** file created successfully. To view the configuration inside **nagios.cfg** file use command:

view nagios.cfg



51. You can see the **configuration** inside **nagios.cfg** file as shown below in the screenshot.