

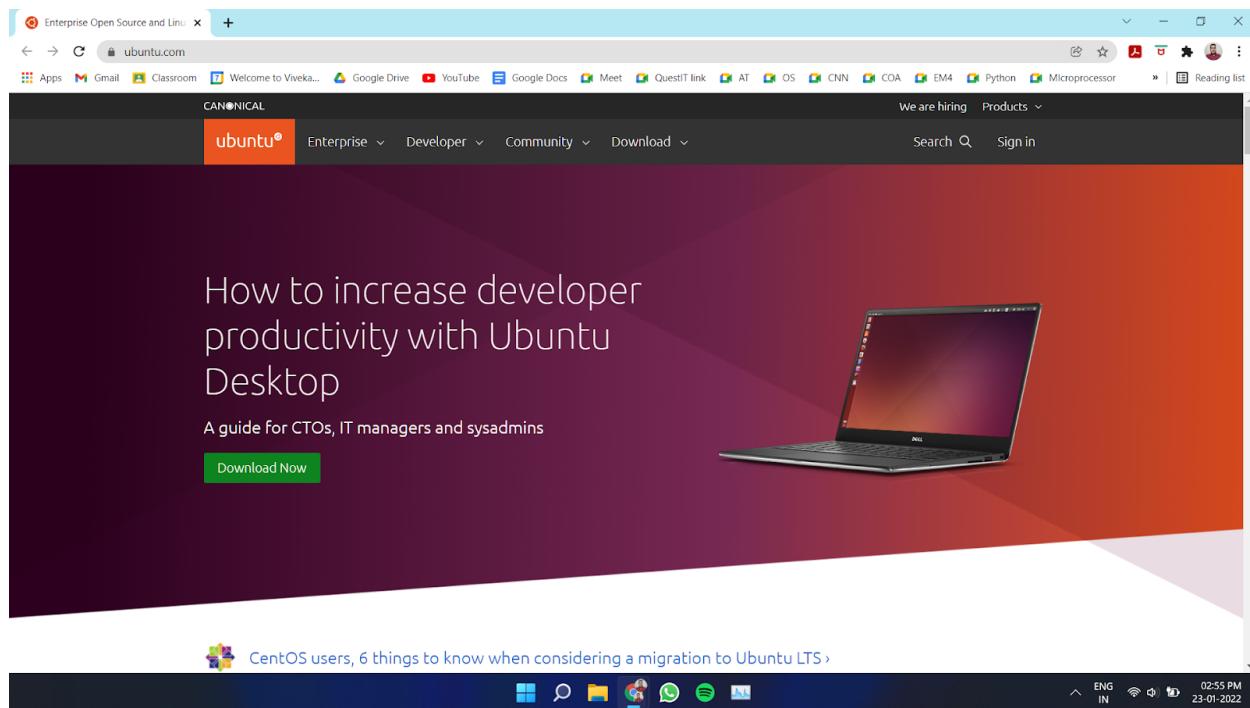
Aim: Installation of VMware and Ubuntu Operating System

Introduction:

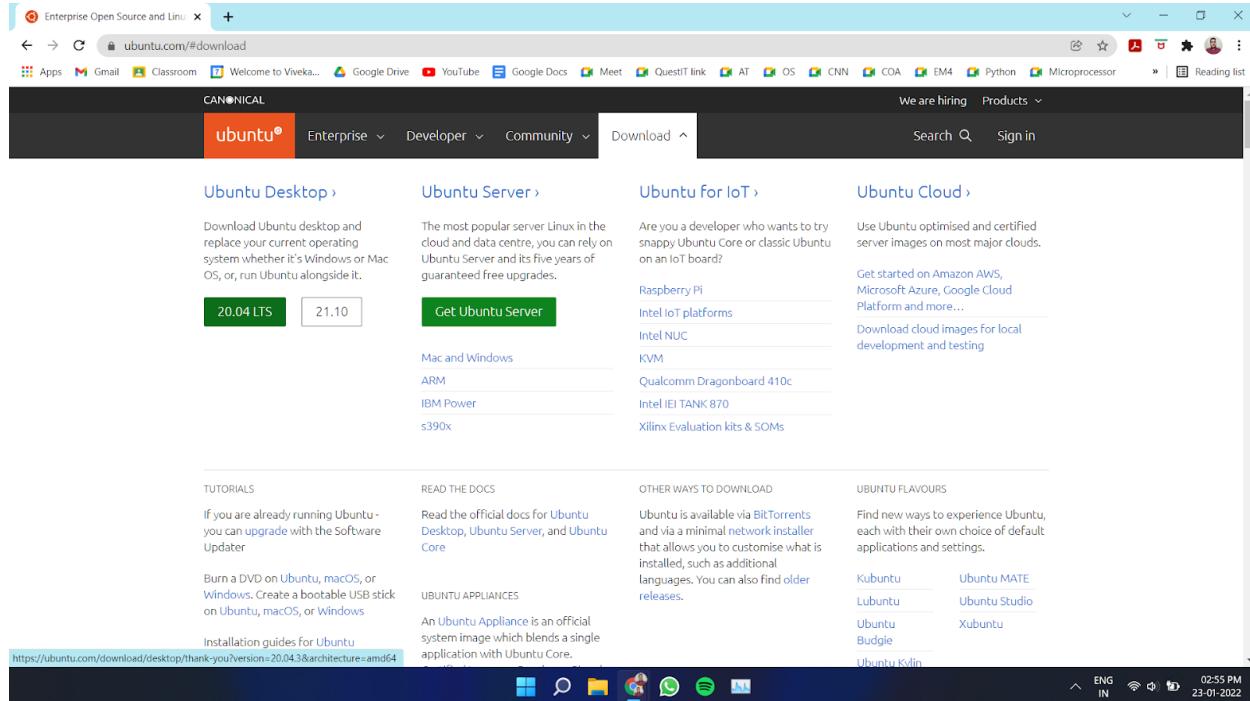
1. **Ubuntu**:- Ubuntu is a complete Linux operating system, freely available with both community and professional support

Theory: There are many steps to install an operating system. In our it is a Ubuntu operating system , so let's see how to install it in a stepwise manner.

1. First visit the official website of Ubuntu and click on the download button on the top of the website.

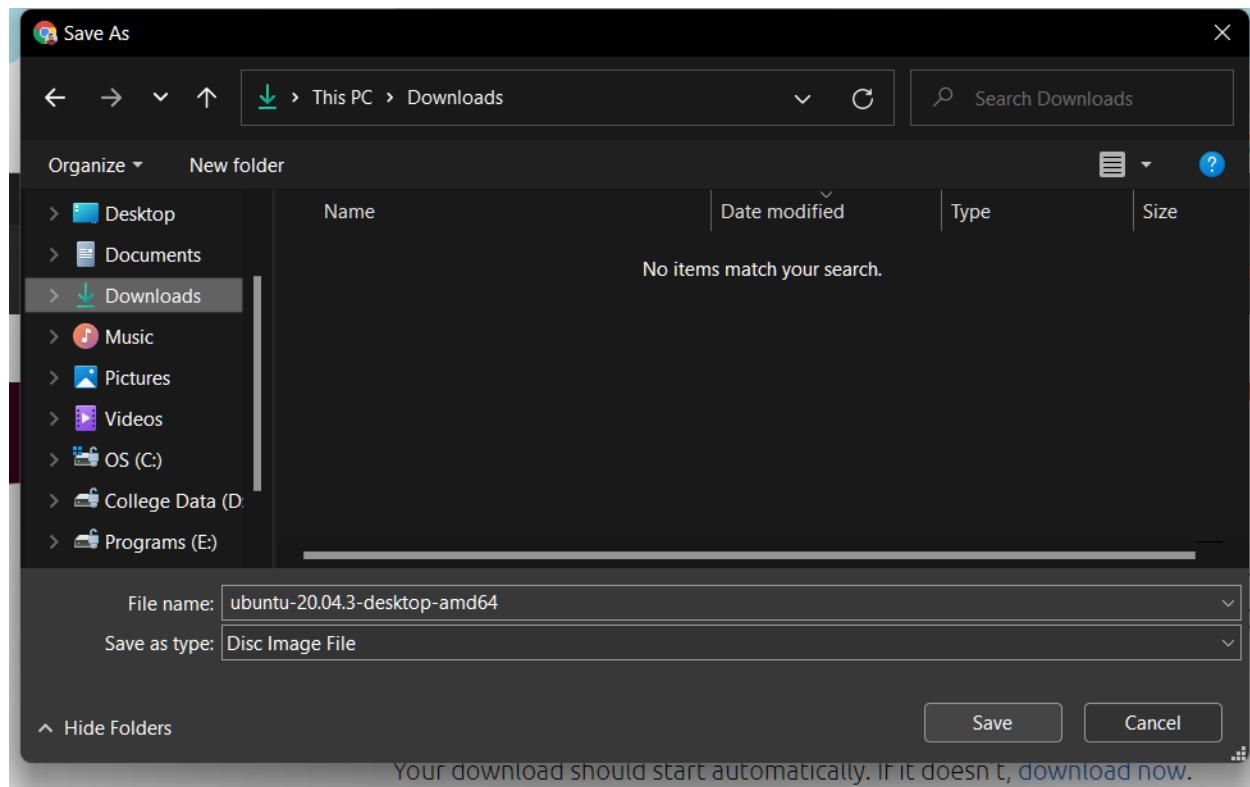


2. Choose the latest version of Ubuntu and download it.



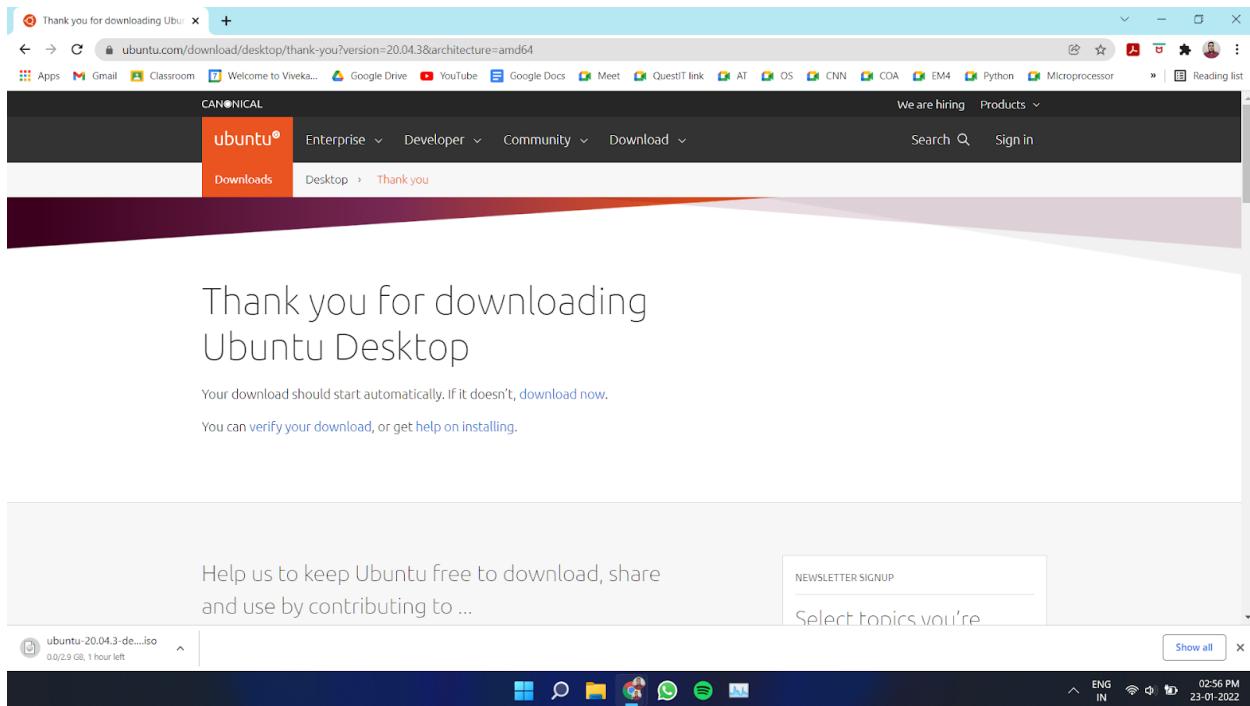
The screenshot shows the Canonical Ubuntu download page. At the top, there's a navigation bar with links for 'Enterprise', 'Developer', 'Community', 'Download' (which is currently selected), 'We are hiring', 'Products', 'Search', and 'Sign in'. Below the navigation, there are four main sections: 'Ubuntu Desktop', 'Ubuntu Server', 'Ubuntu for IoT', and 'Ubuntu Cloud'. Under 'Ubuntu Desktop', there are two large buttons: '20.04 LTS' (highlighted) and '21.10'. Under 'Ubuntu Server', there's a prominent green button labeled 'Get Ubuntu Server'. Other options under 'Server' include 'Mac and Windows', 'ARM', 'IBM Power', and 's390x'. The 'Ubuntu for IoT' section lists 'Raspberry Pi', 'Intel IoT platforms', 'Intel NUC', 'KVM', 'Qualcomm Dragonboard 410c', 'Intel IEI TANK 870', and 'Xilinx Evaluation kits & SOMs'. The 'Ubuntu Cloud' section includes links for 'Amazon AWS', 'Microsoft Azure', 'Google Cloud Platform', and 'Cloud images'. On the left side, there are 'TUTORIALS' and 'READ THE DOCS' sections. On the right, there are 'OTHER WAYS TO DOWNLOAD' and 'UBUNTU FLAVOURS' sections. The bottom of the page shows a footer with links for 'Kubuntu', 'Ubuntu MATE', 'Ubuntu Studio', 'Ubuntu Budgie', and 'Ubuntu Kylin'. The status bar at the bottom indicates the URL as <https://ubuntu.com/download/desktop/thank-you?version=20.04.3&architecture=amd64>, the time as 02:55 PM, and the date as 23-01-2022.

3. Choose where to save the iso file.

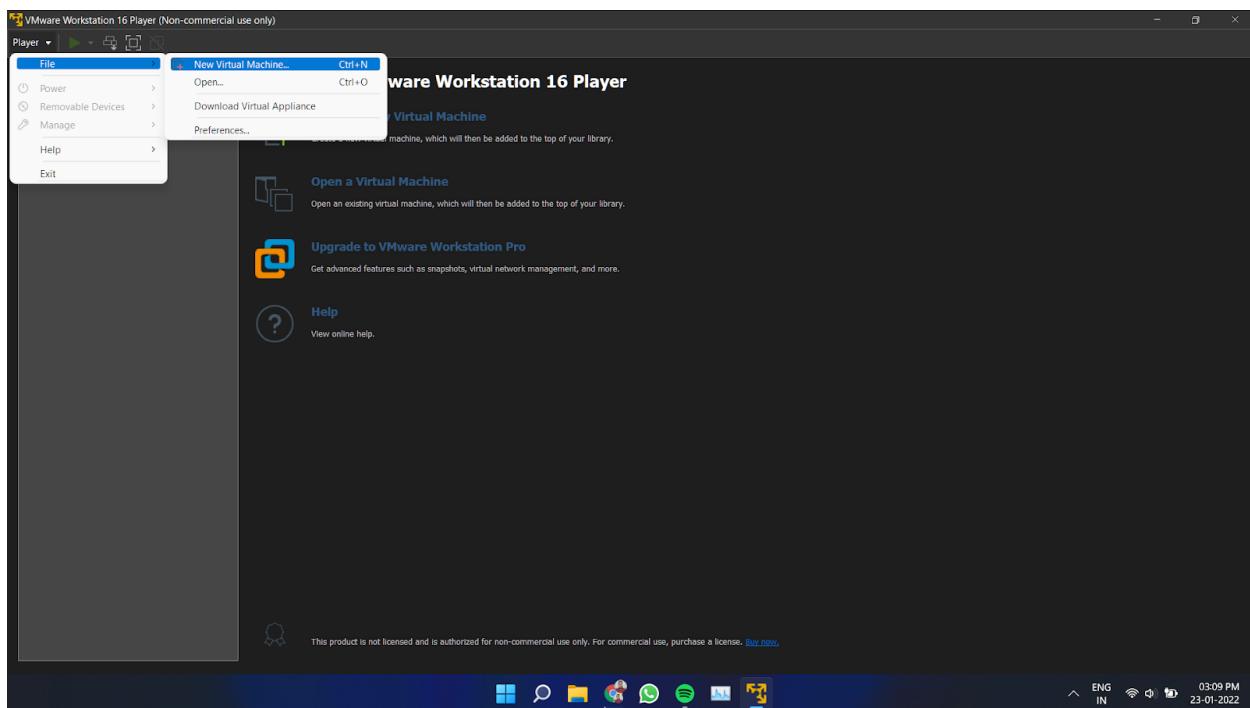


The screenshot shows a 'Save As' dialog box in a dark-themed File Explorer. The left sidebar shows a tree view of folders: Desktop, Documents, Downloads (which is selected and highlighted in blue), Music, Pictures, Videos, OS (C:), College Data (D:), and Programs (E:). The main area displays a table with columns for 'Name', 'Date modified', 'Type', and 'Size'. A message at the bottom says 'No items match your search.' Below the table, there are two dropdown menus: 'File name:' containing 'ubuntu-20.04.3-desktop-amd64' and 'Save as type:' containing 'Disc Image File'. At the bottom right are 'Save' and 'Cancel' buttons. A note at the very bottom of the dialog says 'Your download should start automatically. If it doesn't, download now.'

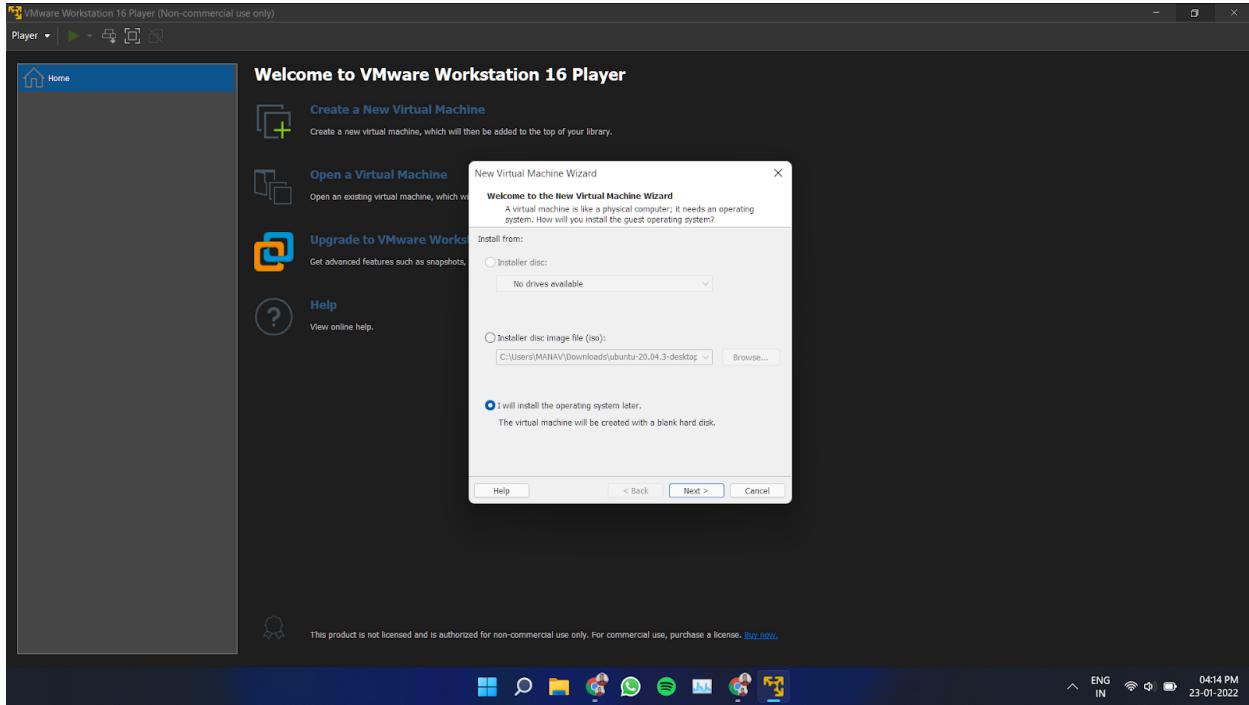
4. Your download should start automatically.



5. Creating a virtual machine on VMWare , click on File > New Virtual Machine...

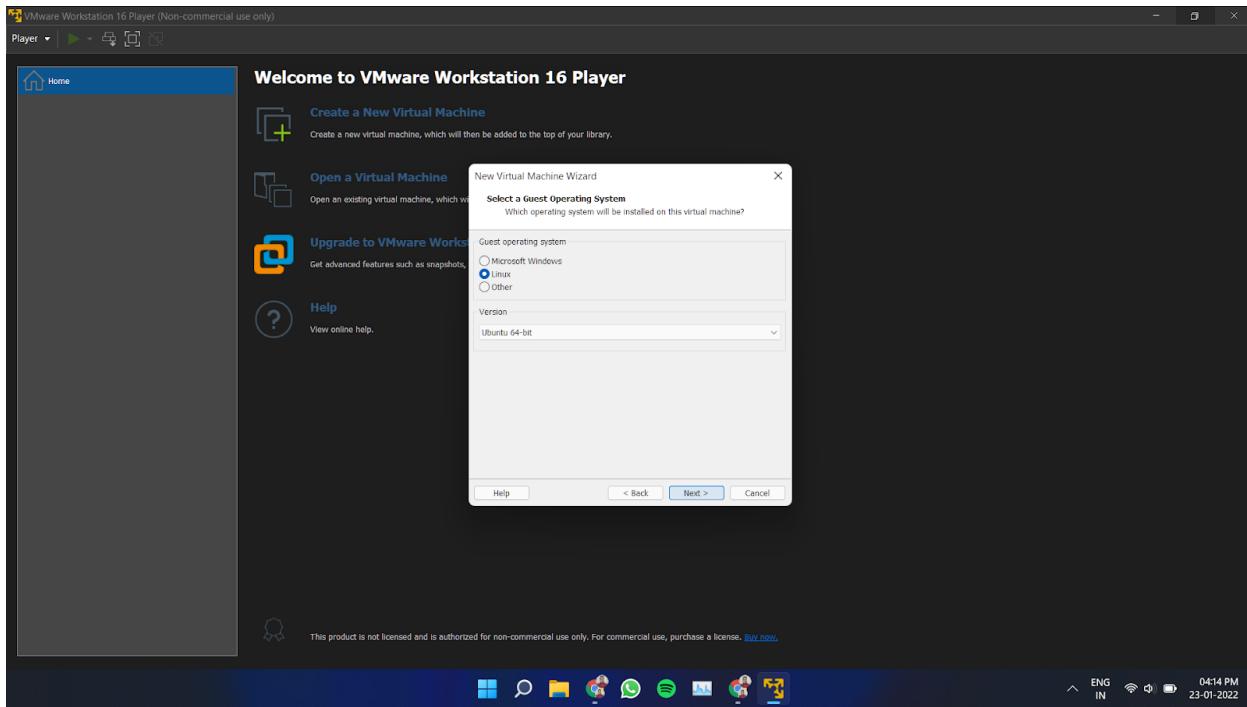


6. Now, select I will install the operating system later and click on Next.

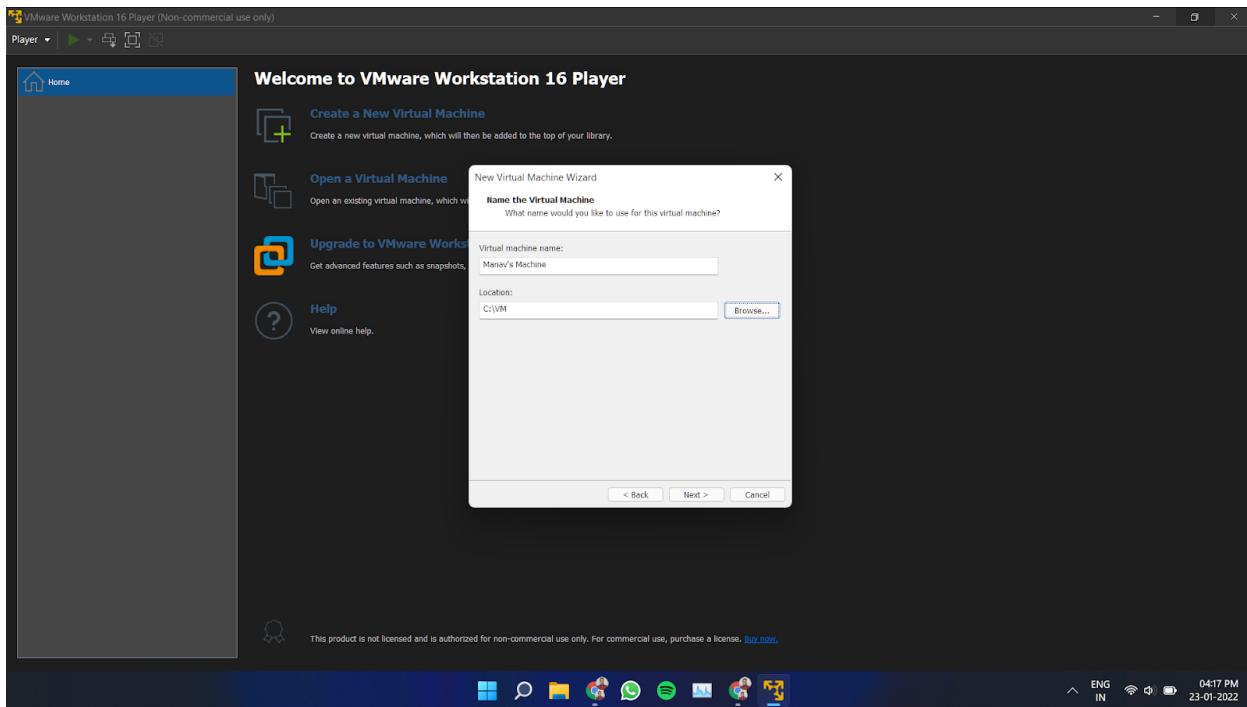


7. Now, you have to select the operating system that you will be installing on the virtual machine. Select Linux from the Guest operating system section and Ubuntu 64-bit from the Version section. Once you're done, click on Next.

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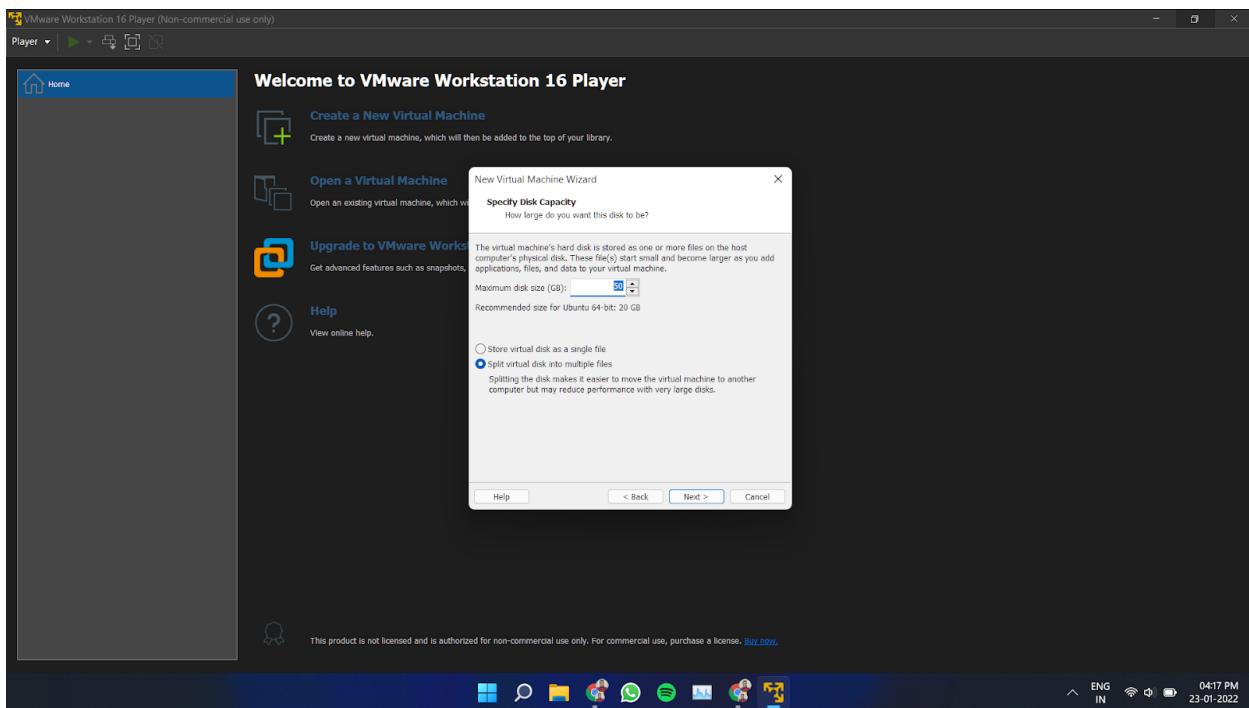


8. Now type the name of the virtual machine and location where you want to save it.

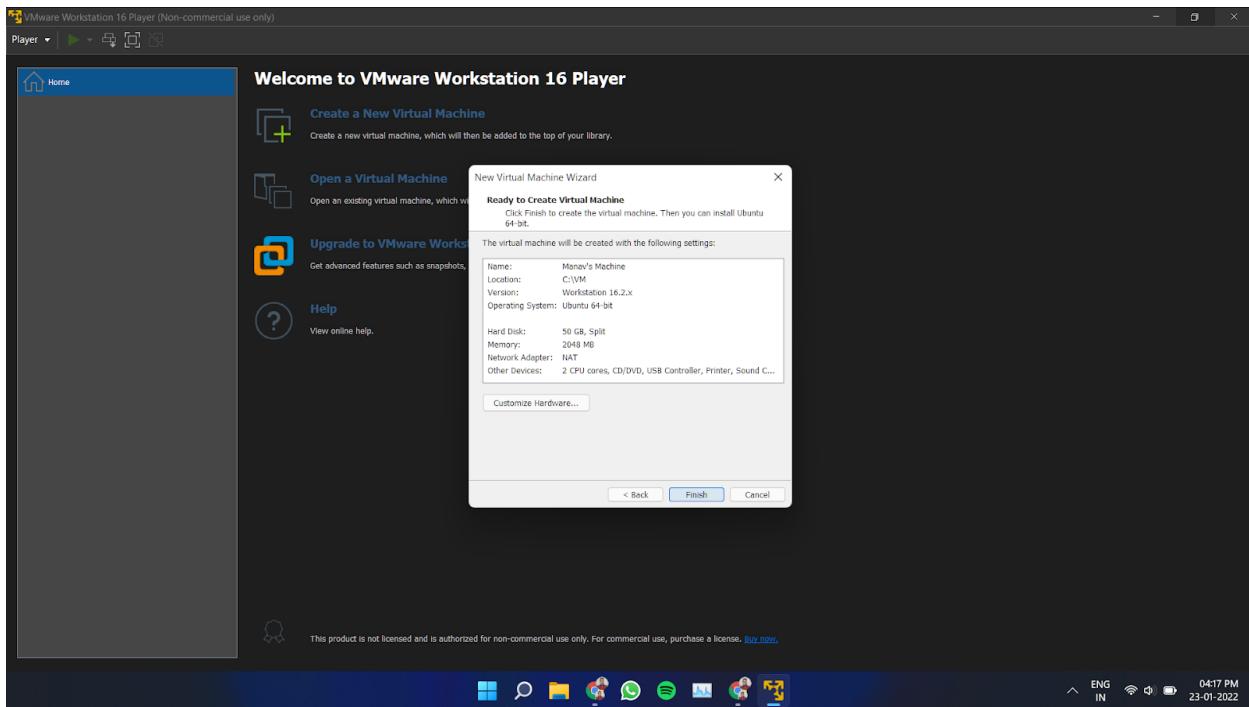


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9. Type the size of the virtual hard disk in GB. I will give 50GB

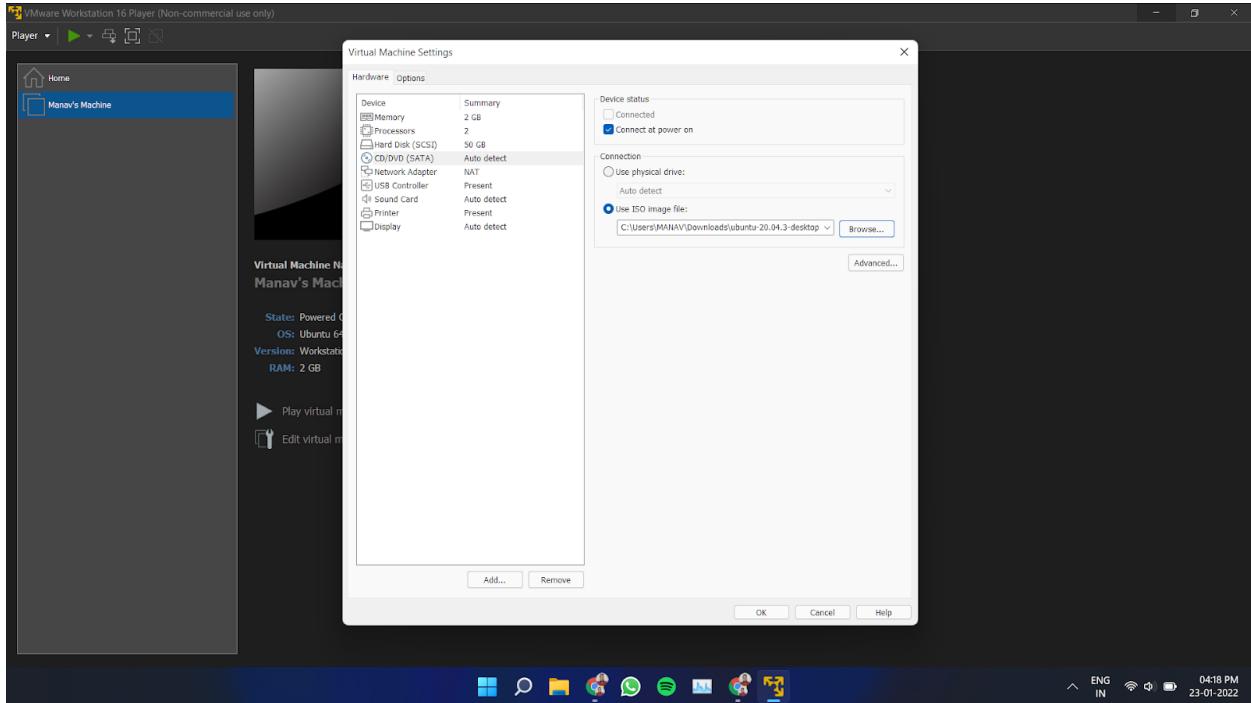


10. Now click on Finish.

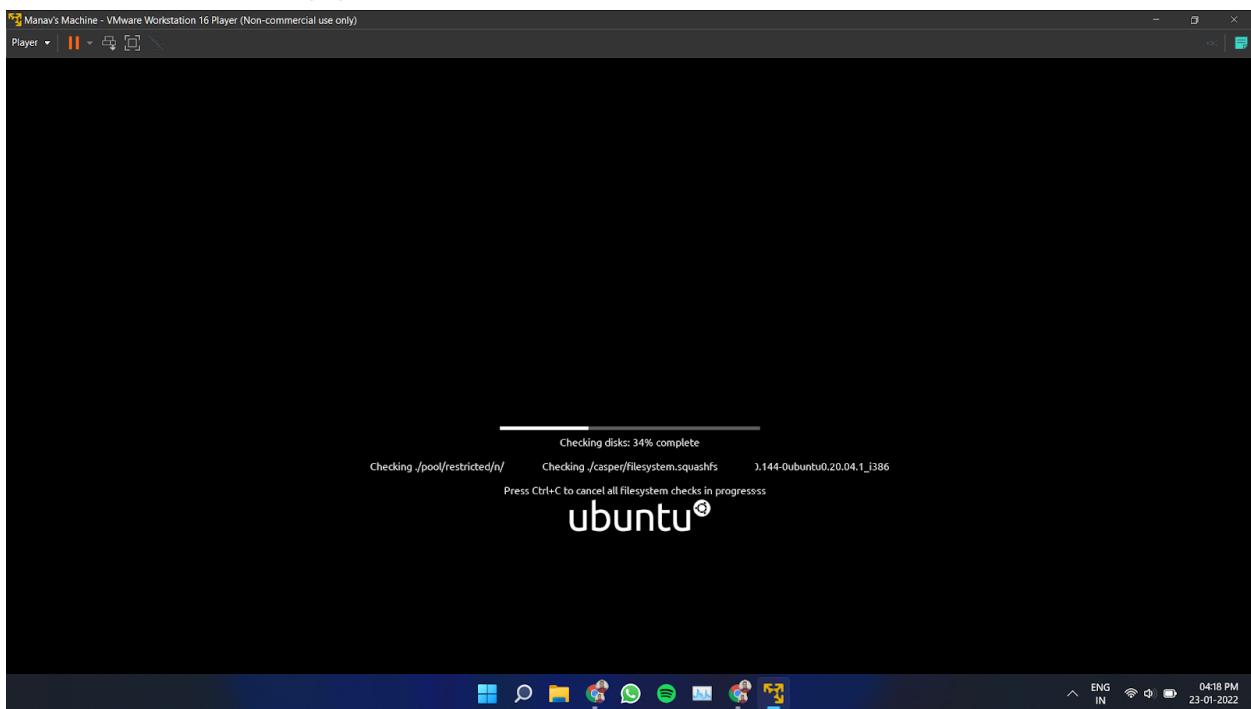


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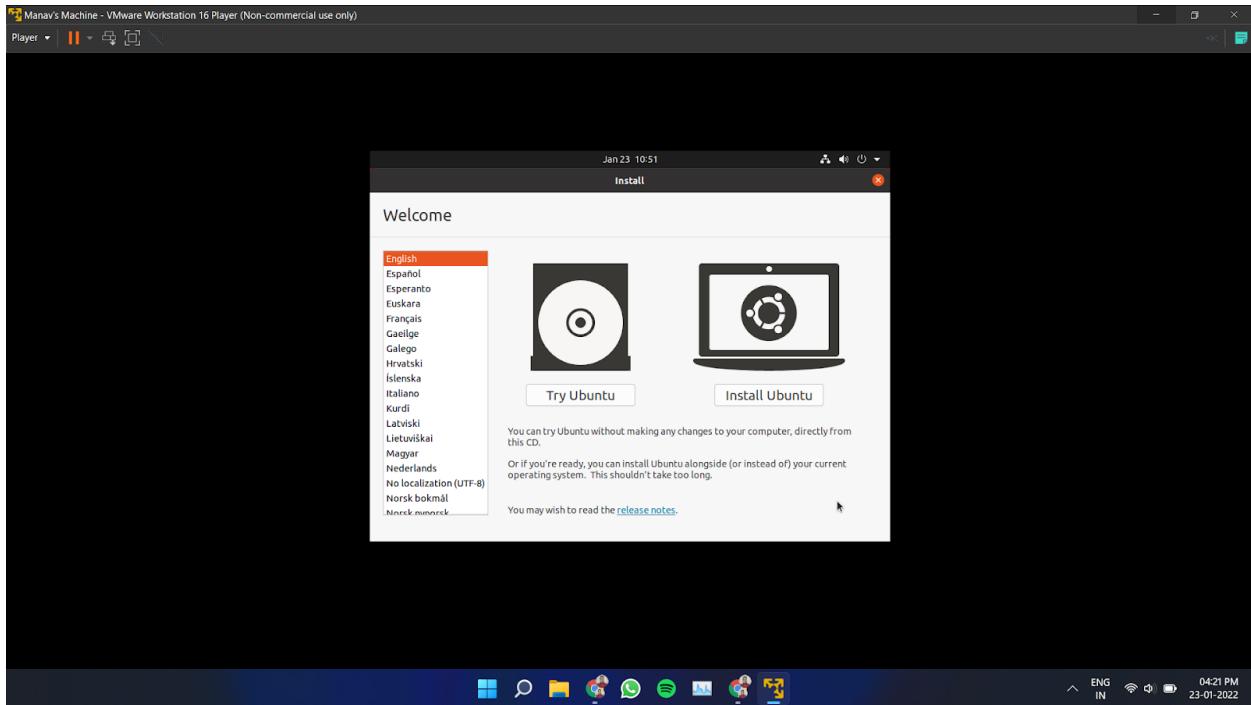
11. Go to settings of your virtual machine and click on the CD/DVD tab and click ISO Image.



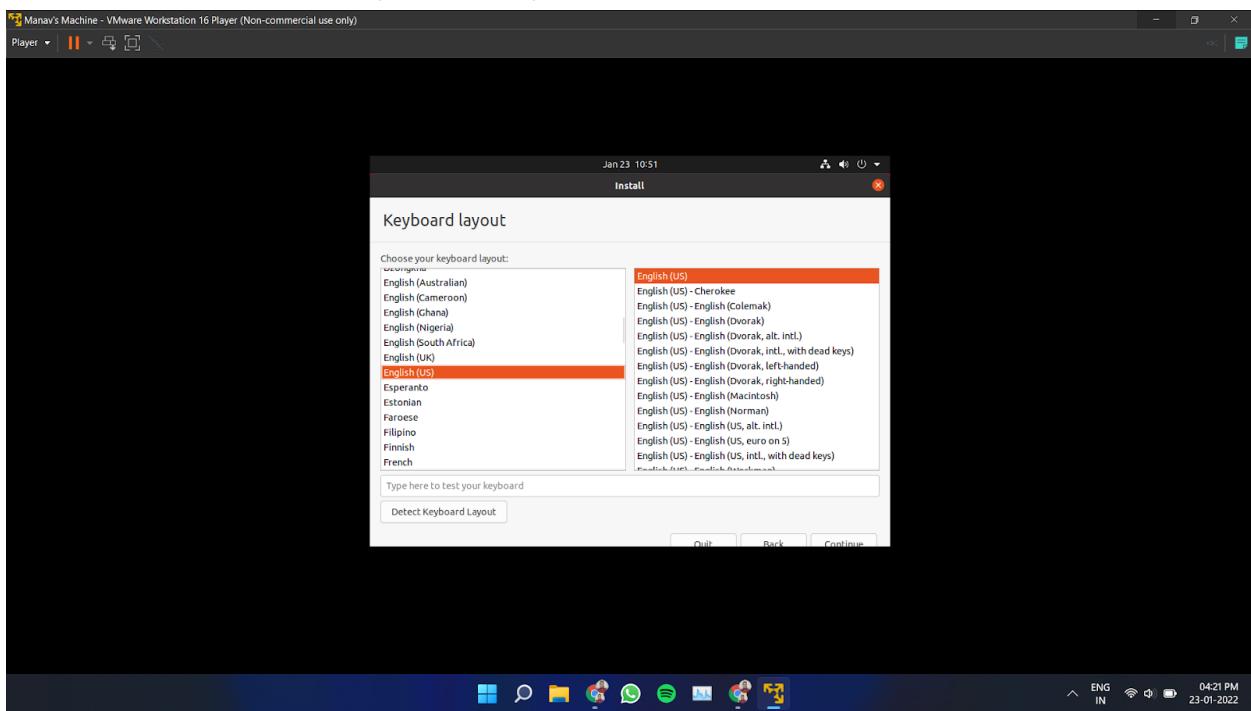
12. Now, Play your virtual machine.



13. After the machine you will be able to see the Ubuntu installer and select **Install Ubuntu**.

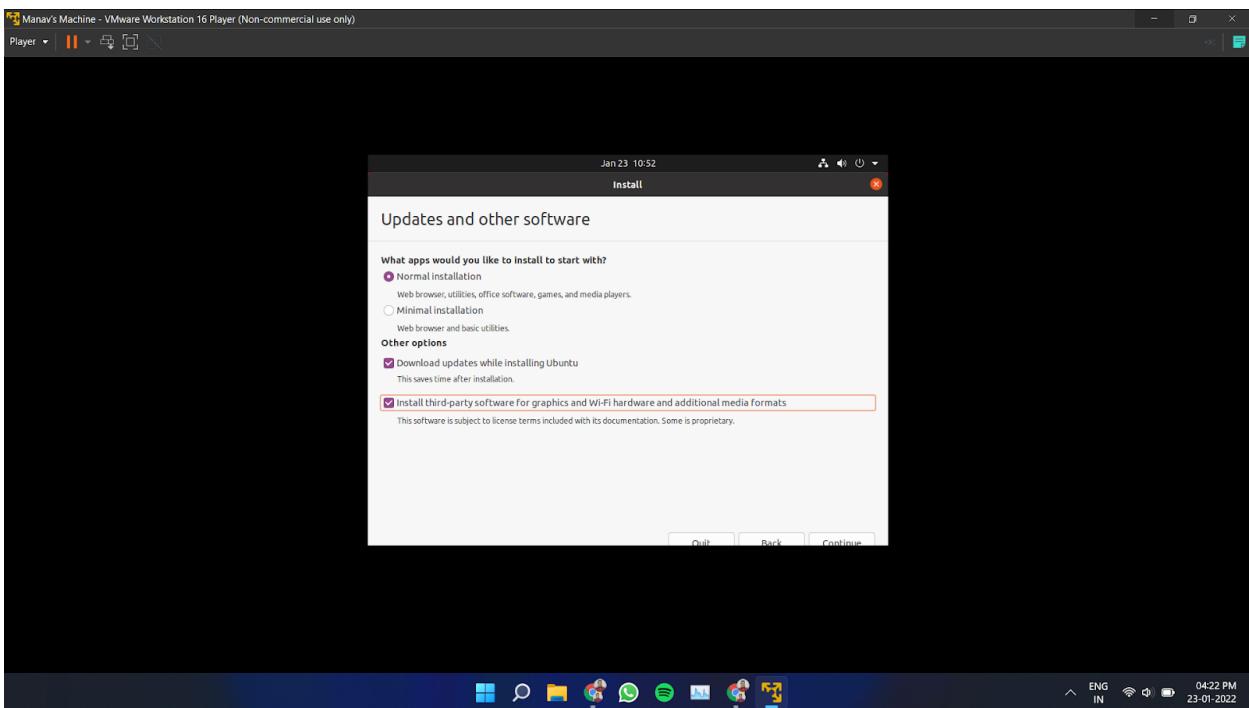


14. Select the keyboard layout and click **Continue**.

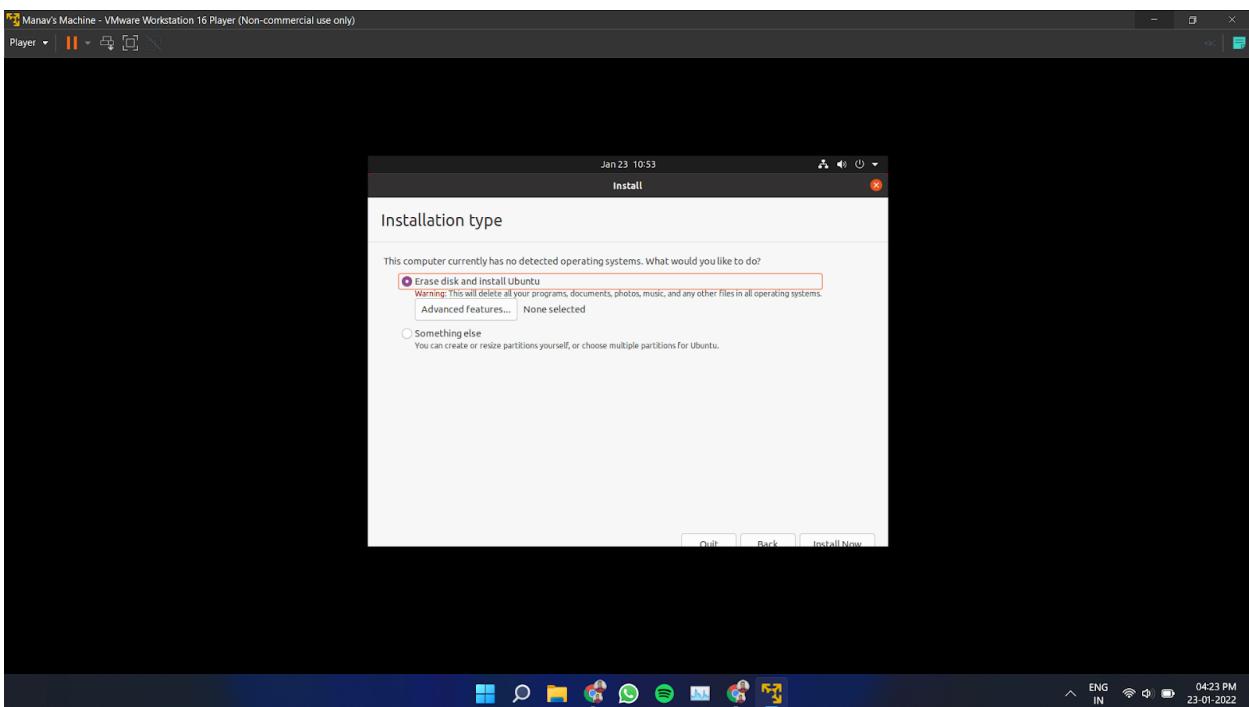


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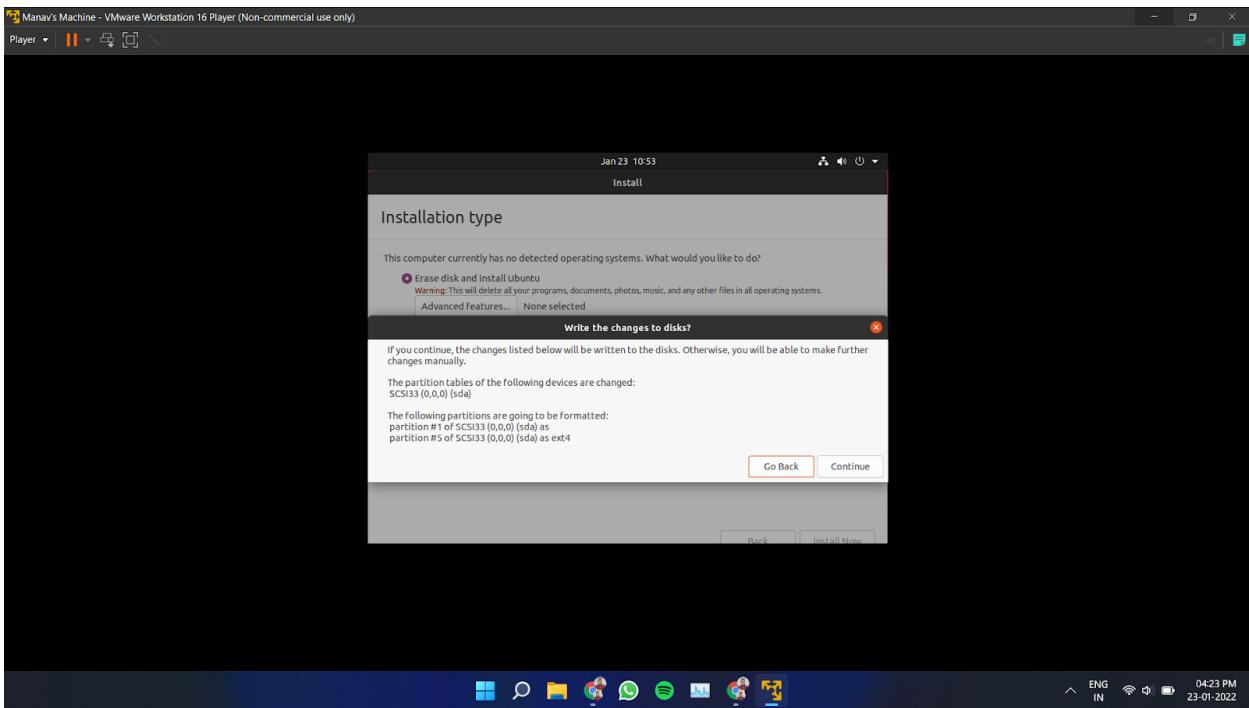
15. Select the checkboxes as per your system.



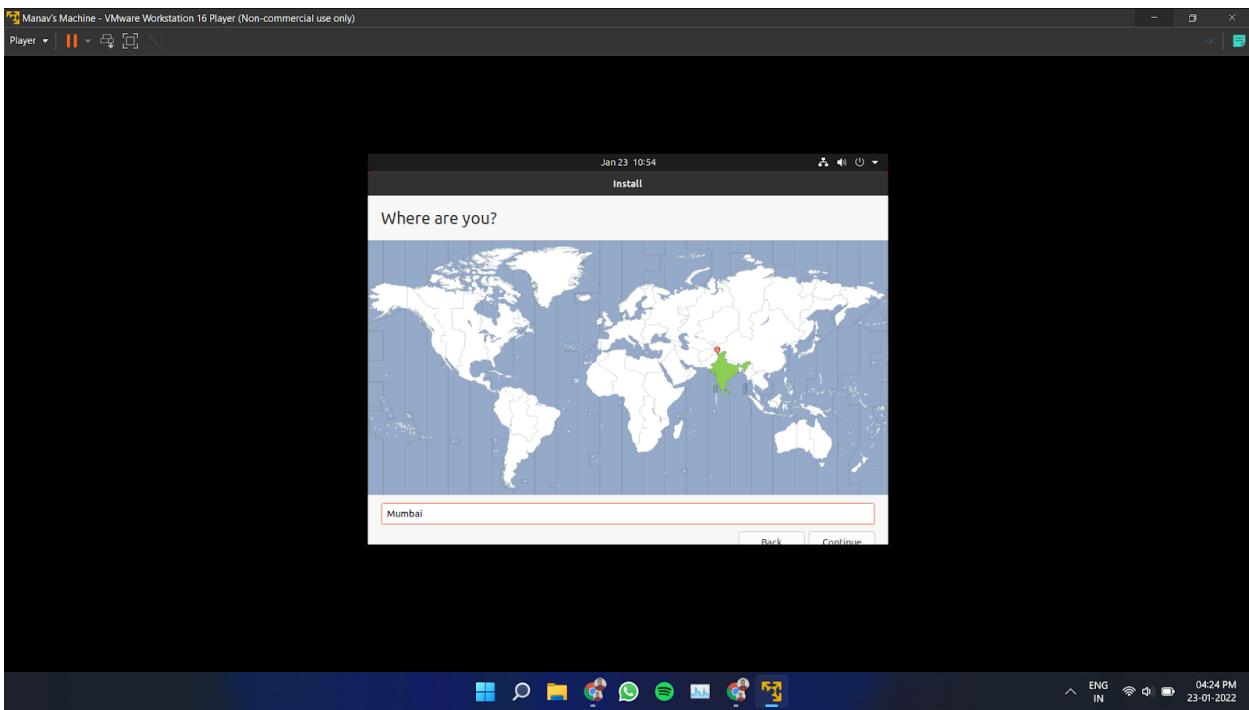
16. Select the first option to install the ubuntu , don't worry it won't uninstall the data of the host computer.



17. Just click **Continue**.

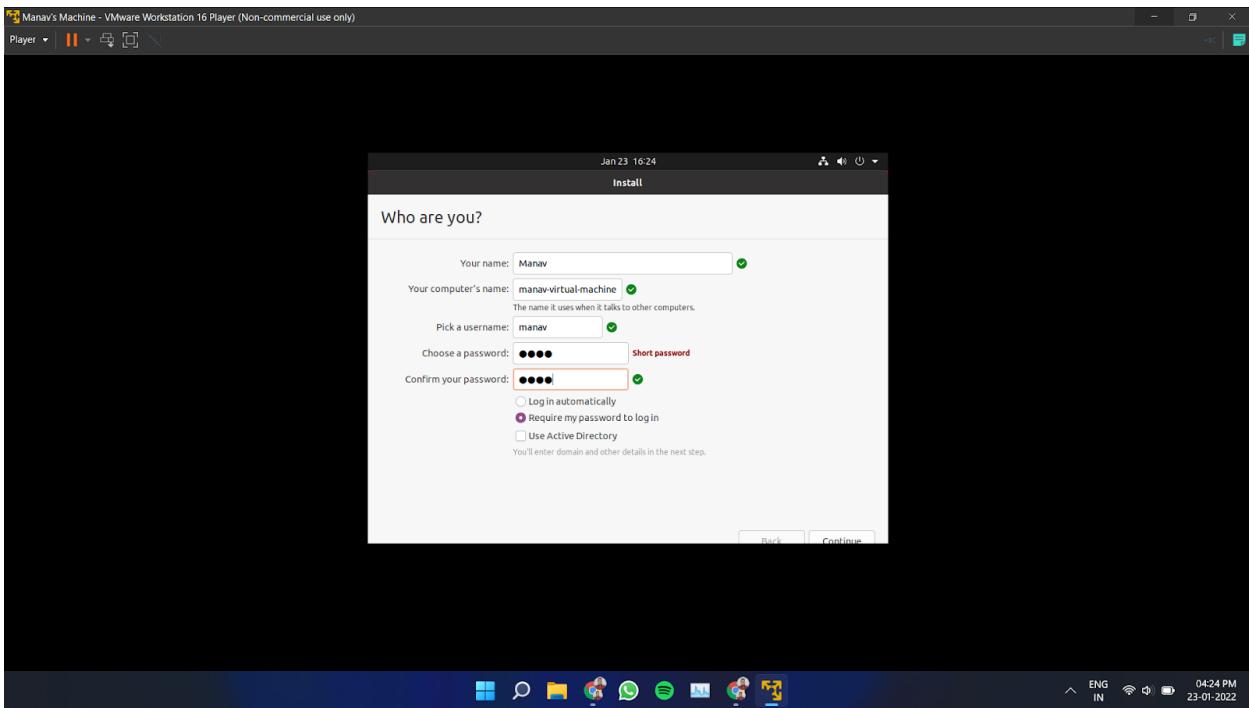


18. Select the region whichever you want , I have selected **Mumbai**.

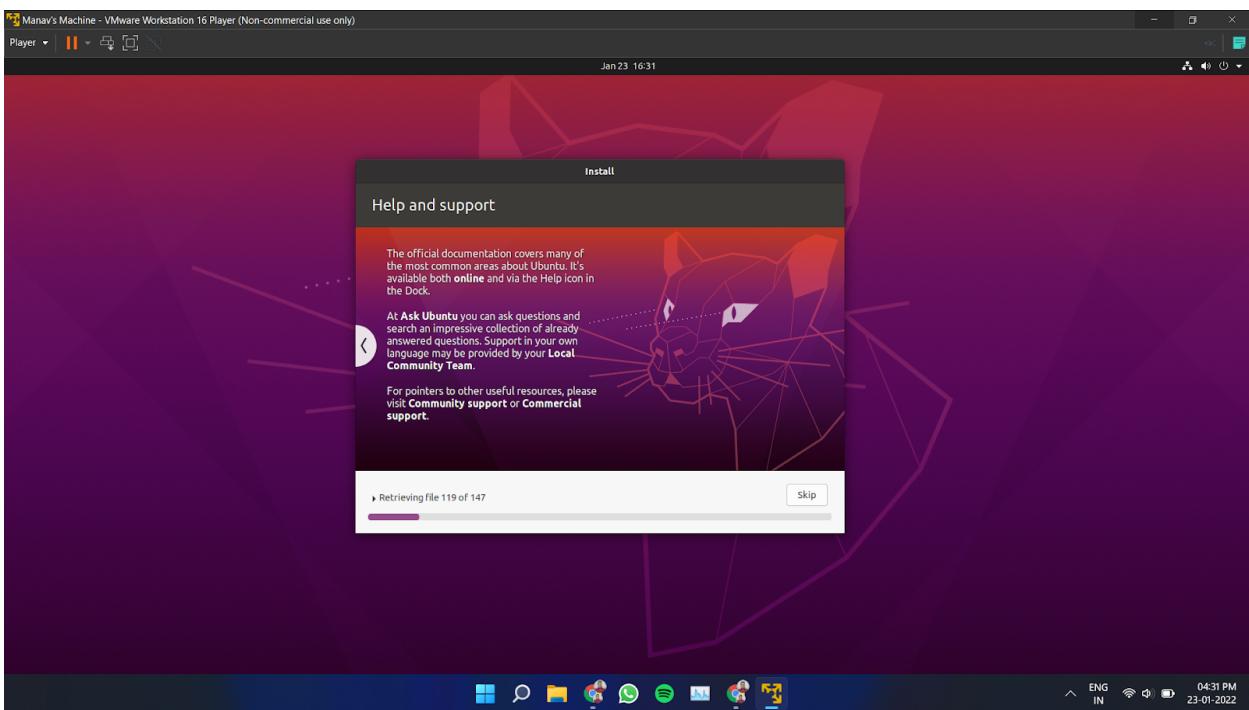


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19. Type your login name and login password.

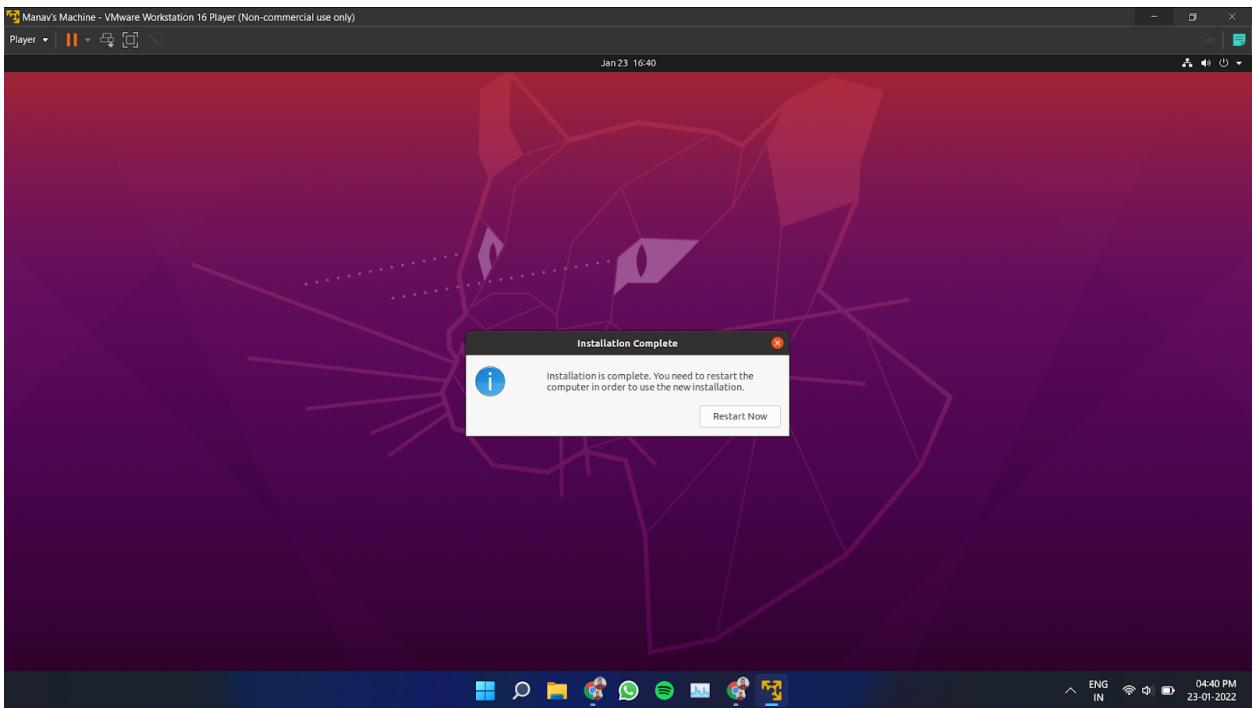


20. Now the files will be installed.

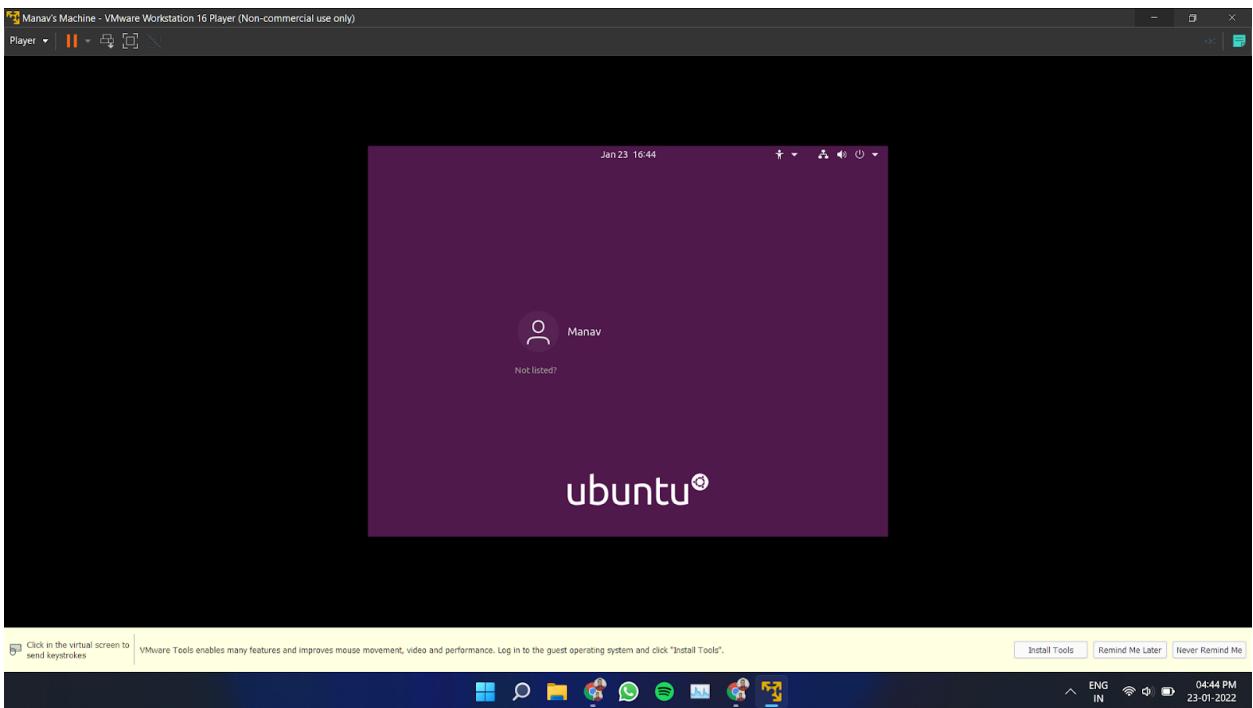


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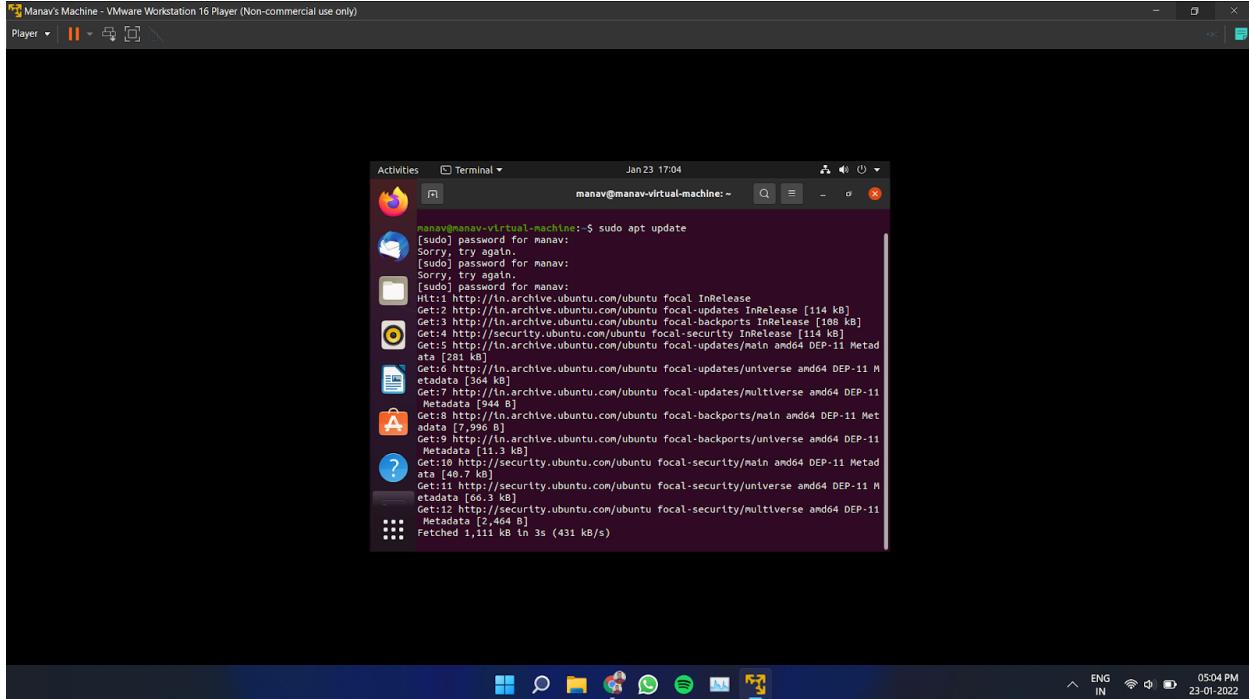
21. Restart your virtual machine.



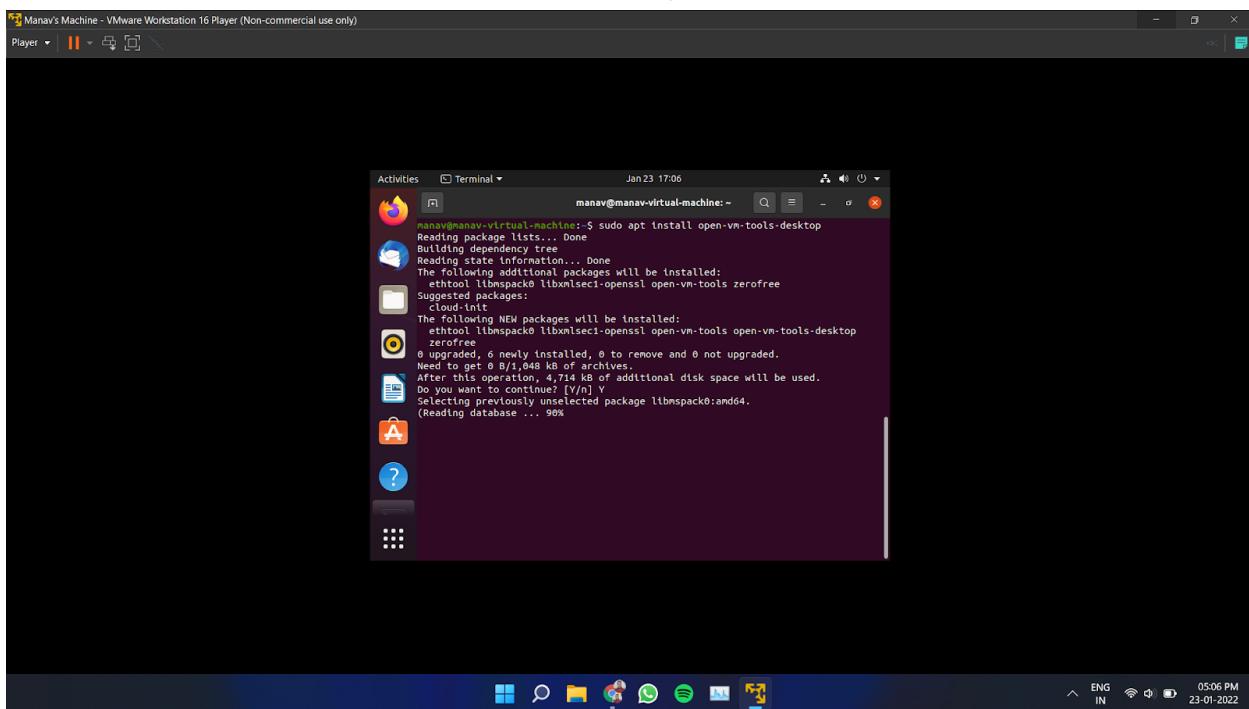
22. Now you will see the login screen.



23. Ubuntu should be installed on your virtual machine, now open the terminal and install apt update.



24. Also , install open VM tools on your machine.



Now your virtual machine is ready to use with the Ubuntu operating system.

Conclusion: We have understood how to install VMware and Ubuntu on our system.