

Practical No. - 2

Aim : Create a Linux virtual machine.

Step 1: Before we begin with the installation process, we need to Download ISO for Ubuntu.

For that, all the versions of Ubuntu are available on the [Official Site](#).

Ubuntu 18.04.3 LTS

Download the latest [LTS](#) version of Ubuntu, for desktop PCs and laptops. LTS stands for long-term support — which means five years, until April 2023, of free security and maintenance updates, guaranteed.

[Ubuntu 18.04 LTS release notes](#)

Recommended system requirements:

- ✓ 2 GHz dual core processor or better
- ✓ 4 GB system memory
- ✓ 25 GB of free hard drive space
- ✓ Either a DVD drive or a USB port for the installer media
- ✓ Internet access is helpful

Download

For other versions of Ubuntu Desktop including torrents, the network installer, a list of local mirrors, and past releases [see our alternative downloads](#).

Ubuntu 19.10

The latest version of the Ubuntu operating system for desktop PCs and laptops, Ubuntu 19.10 comes with nine months, until July 2020, of security and maintenance updates.

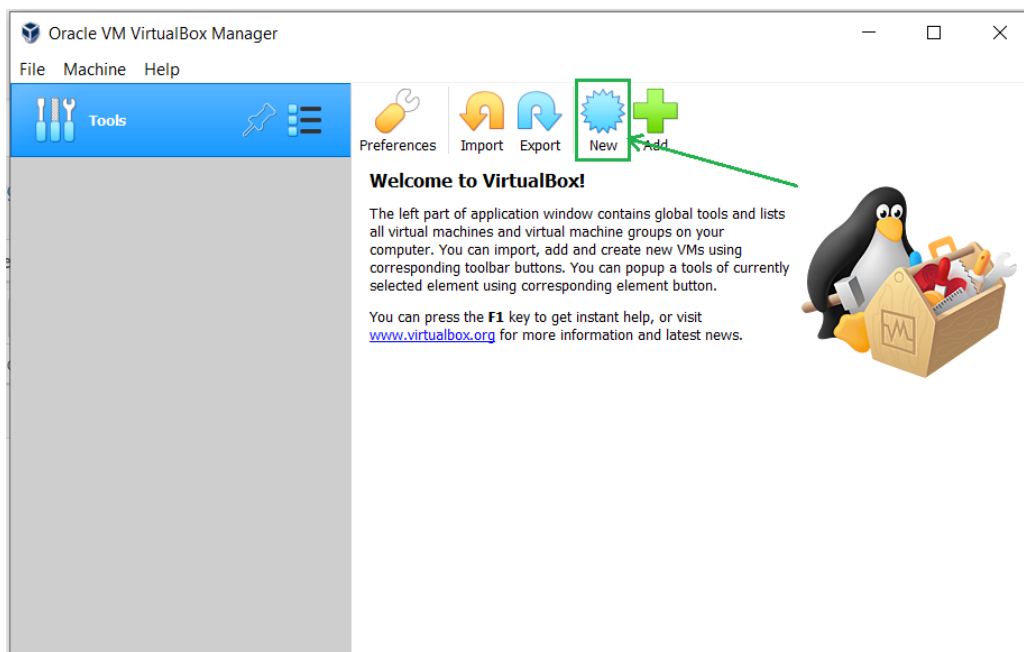
Recommended system requirements are the same as for Ubuntu 18.04.3 [LTS](#).

[Ubuntu 19.10 release notes](#)

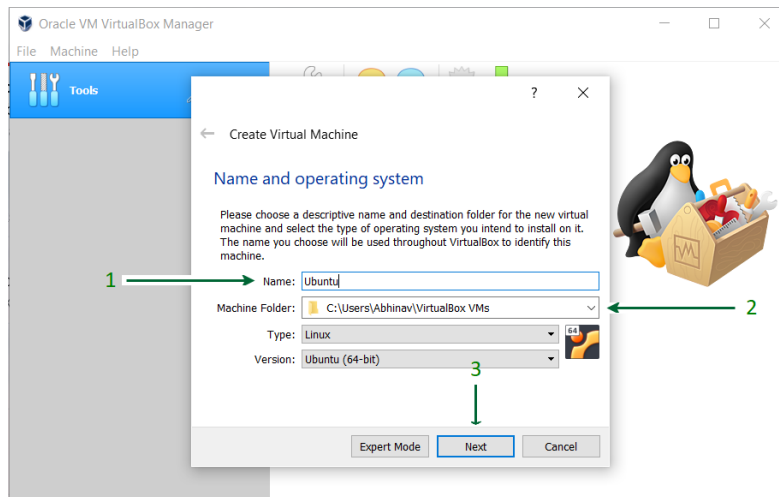
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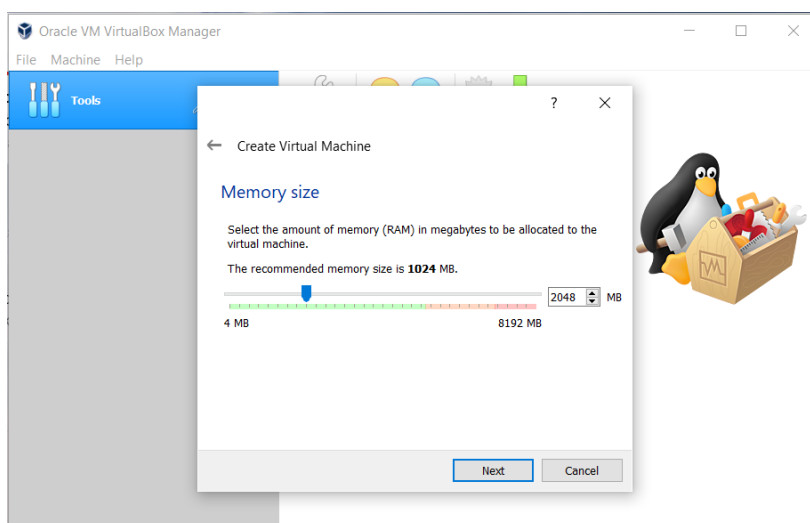
Step 2: Open [VirtualBox](#) and click on the New button.



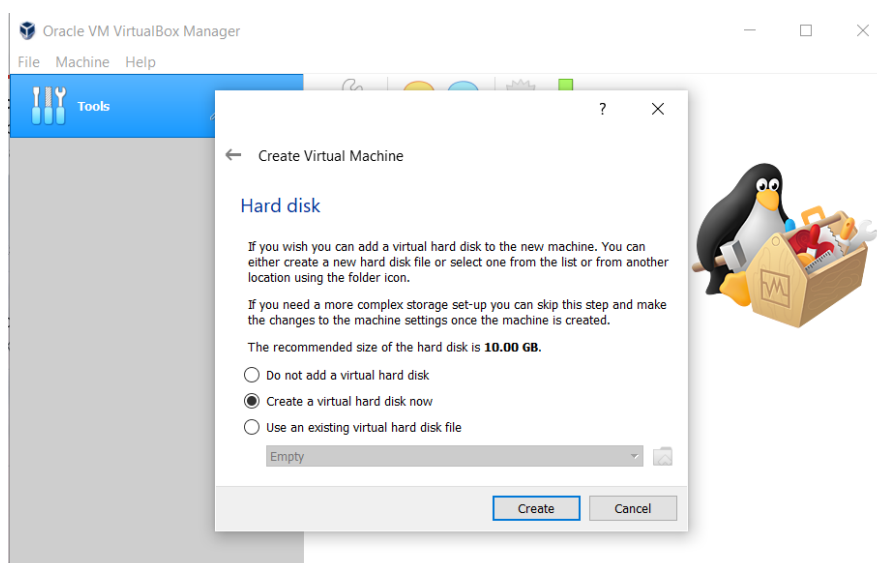
Step 3: Give a Name to your Virtual Machine and select the Location for it to install.



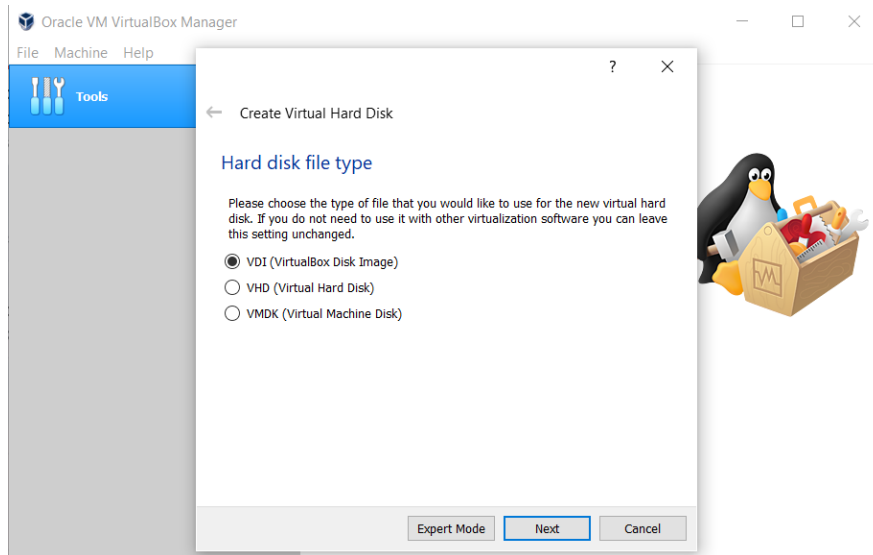
Step 4: Assign RAM Size to your Virtual Machine.



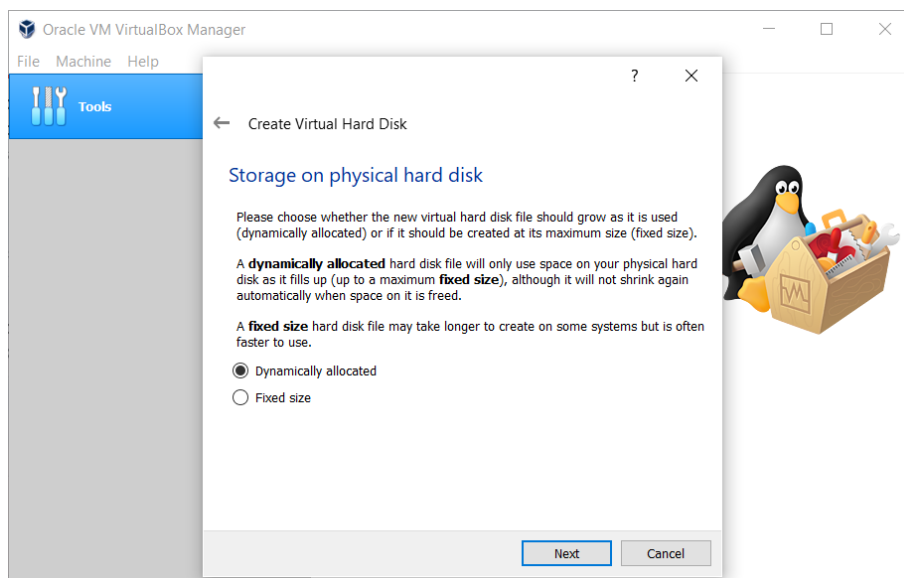
Step 5: Create a Virtual Hard Disk for the machine to store files.



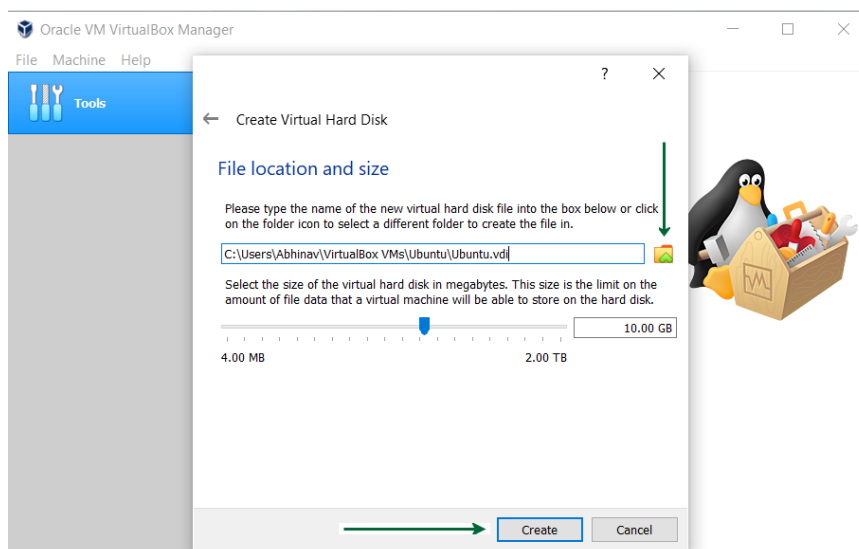
Step 6: Select the type of Hard disk. Using VDI type is recommended.



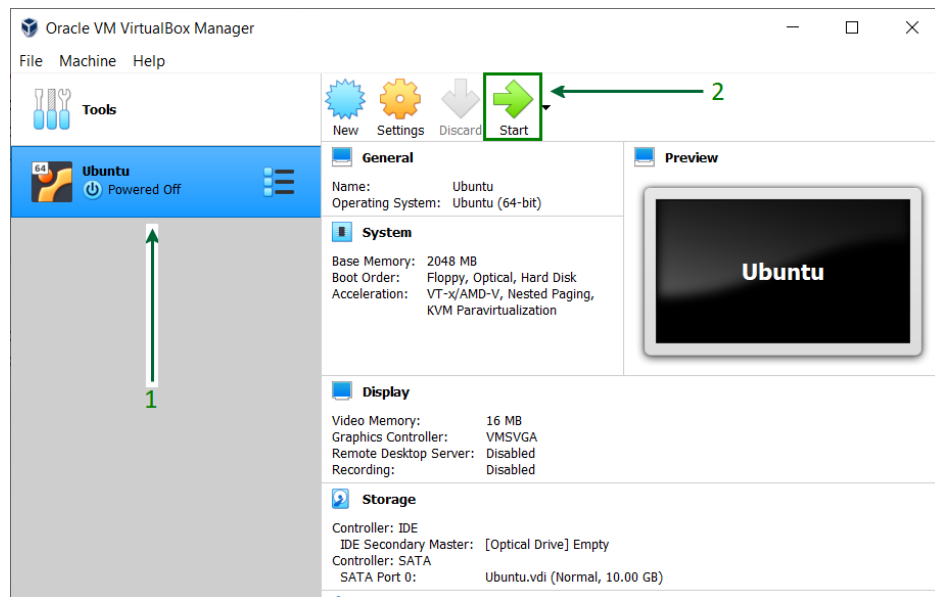
Step 7: Either of the Physical Storage types can be selected. Using a Dynamically Allocated Disk is by default recommended.



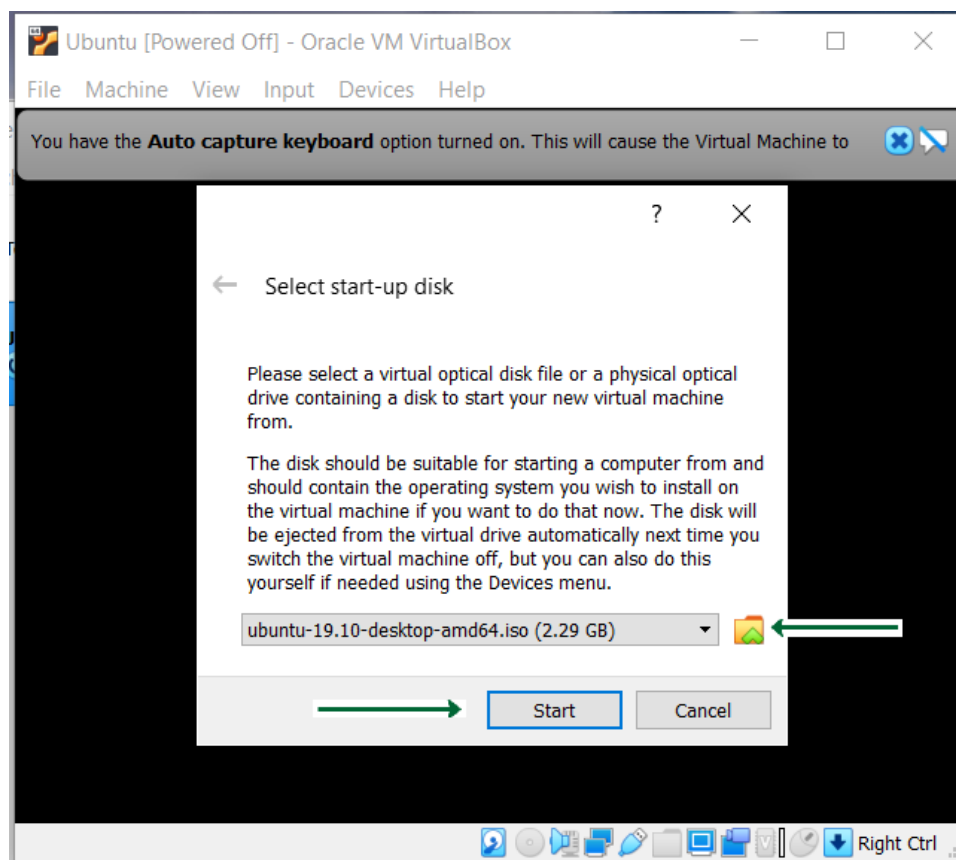
Step 8: Select Disk Size and provide the Destination Folder to install.



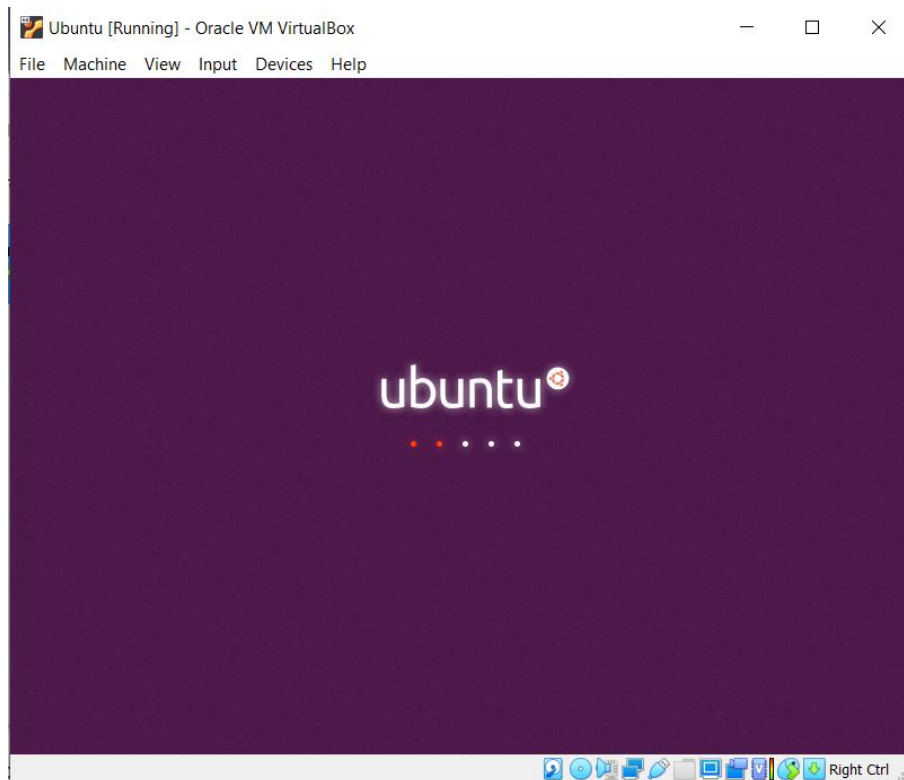
Step 9: After the Disk creation is done, boot the Virtual Machine and begin installing [Ubuntu](#).



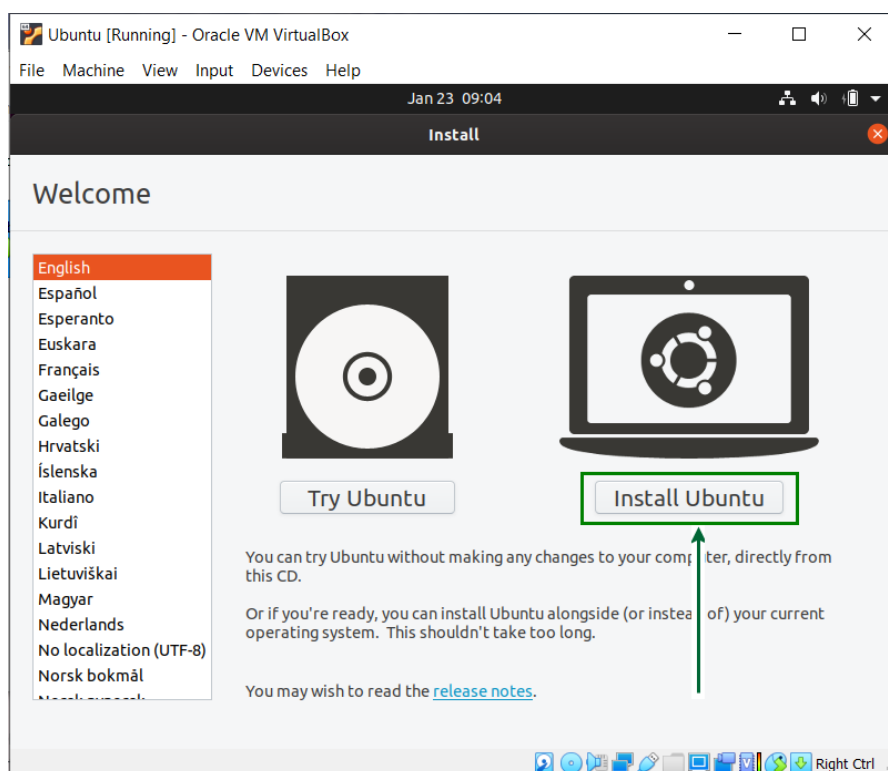
Step 10: If the installation disk is not automatically detected. Browse the file location and select the ISO file for Ubuntu.



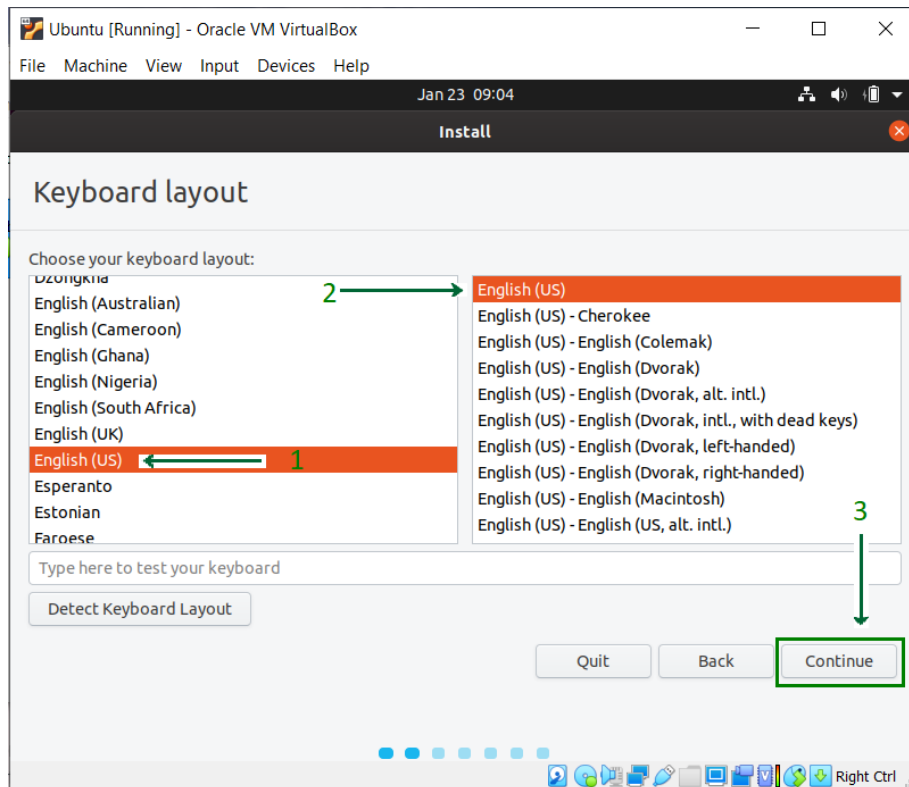
Step 11: Proceed with the installation file and wait for further options.



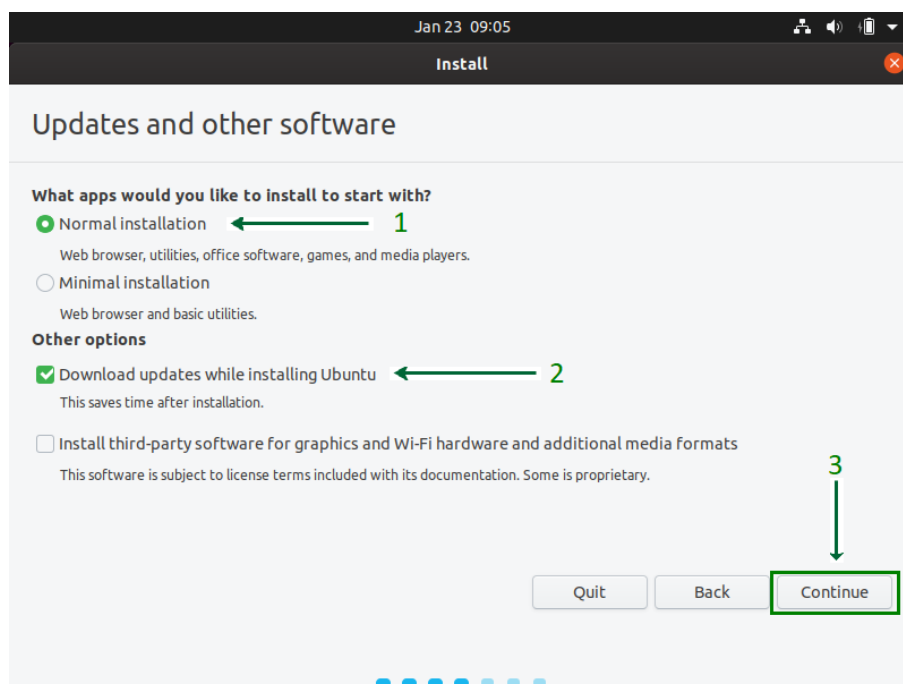
Step 12: Click on the Install Ubuntu option, this might look different for other Ubuntu versions.



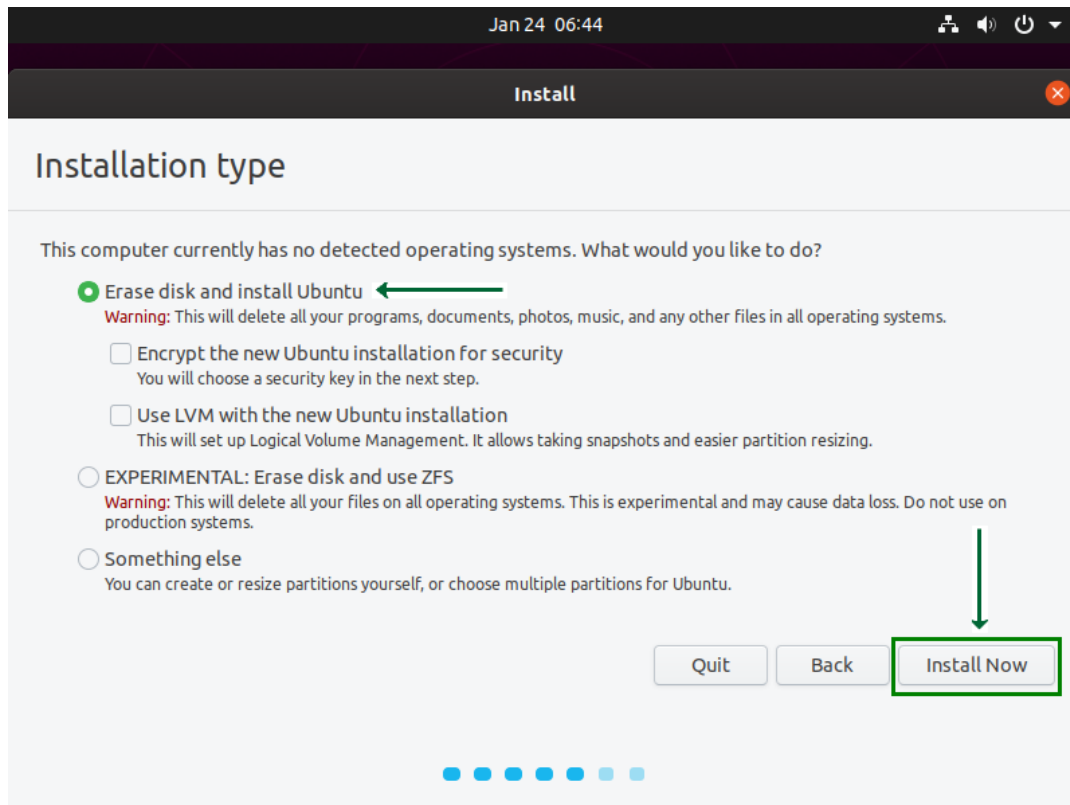
Step 13: Select Keyboard Layout, if the defaults are compatible, just click on the Continue button and proceed.



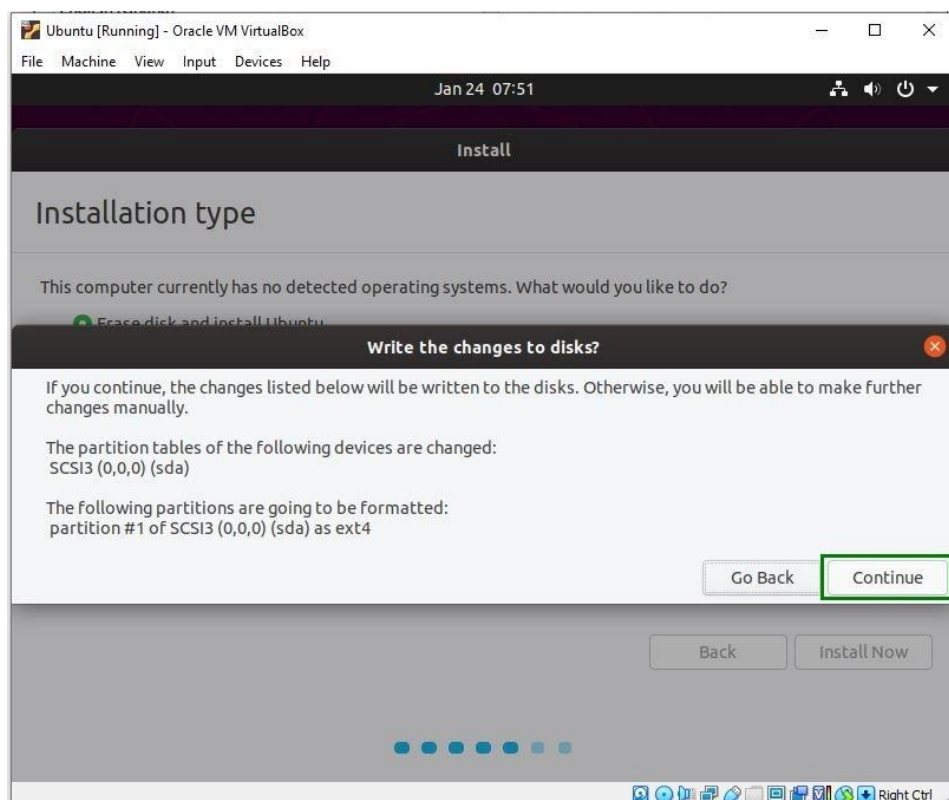
Step 14: Select Installation Type. By default, it is set to Normal Installation, which is recommended, but it can also be changed to Minimal Installation if there is no need for all Ubuntu features.



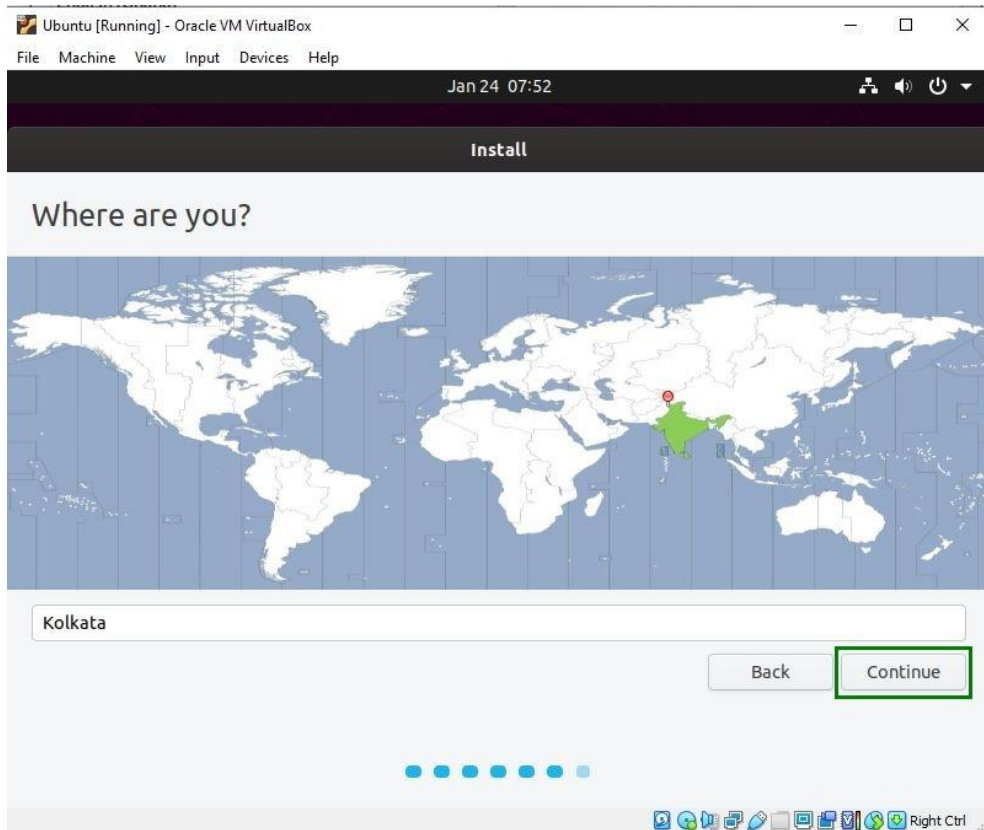
Step 15: Click on the Install Now button and carry on with the installation. Do not get worried about the Erase disk option, it will only be effective inside the virtual machine, and other system files outside the VirtualBox remain intact.



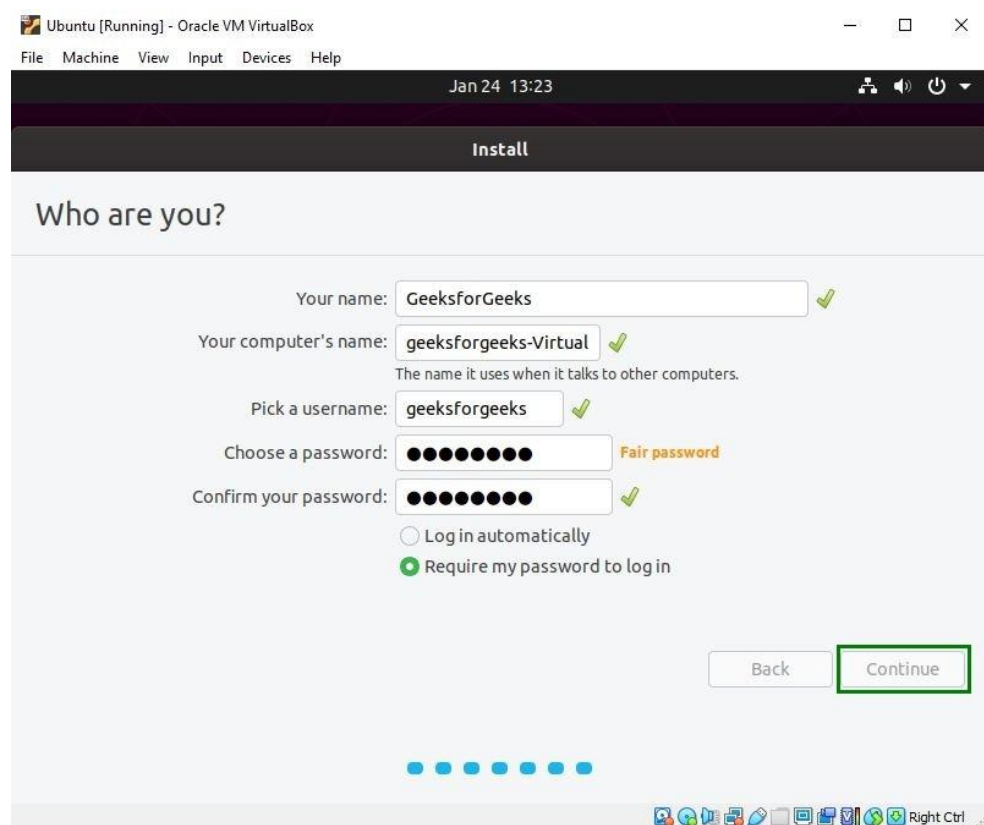
Step 16: Click on the Continue button, and proceed with writing changes on the disk.



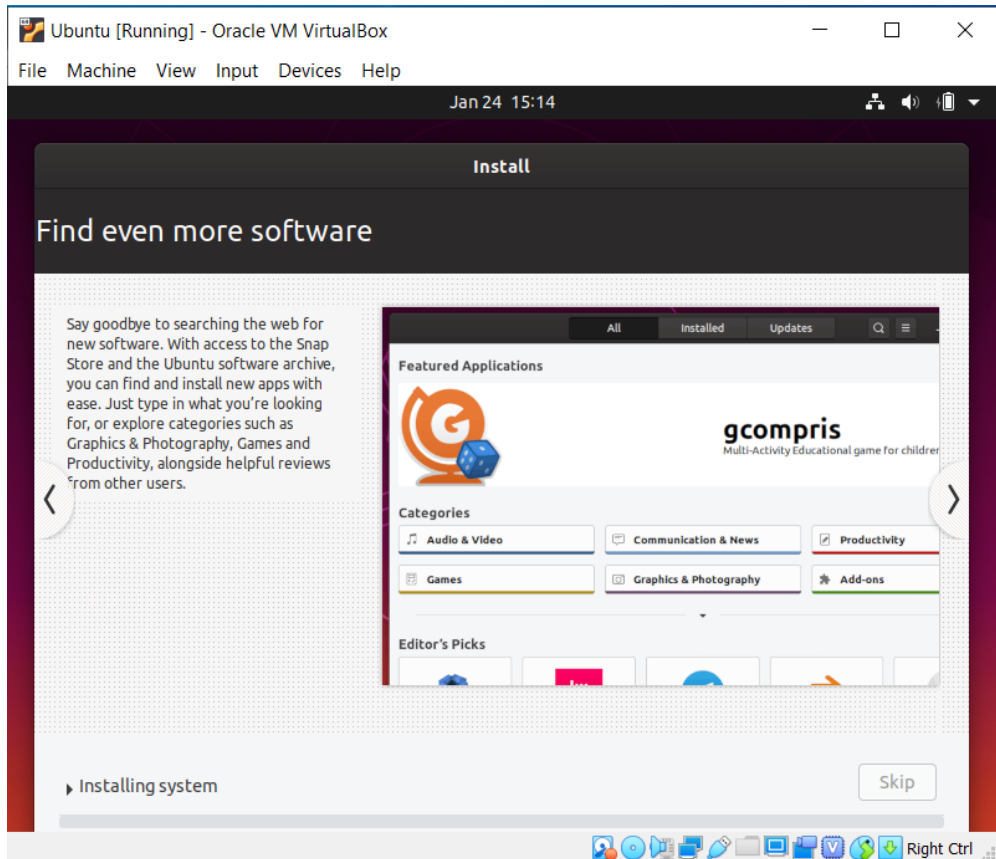
Step 17: Select your Location to set the Time Zone.



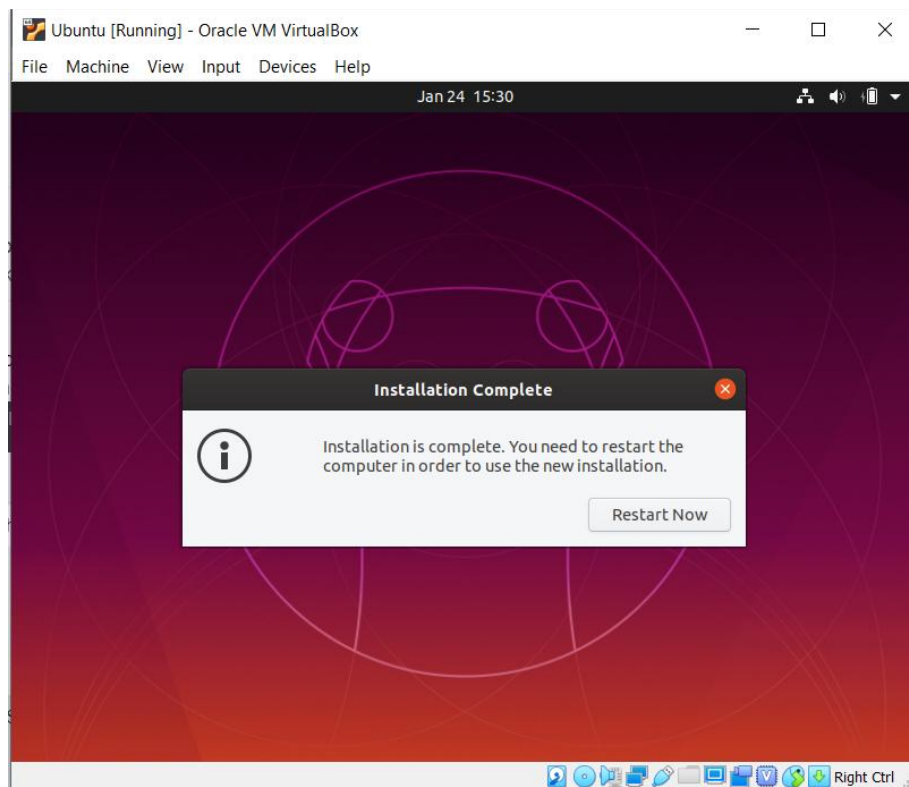
Step 18: Choose a Name for your computer and set a Password to secure login info.



Step 19: Wait for the installation process to complete.



Step 20: Once the installation process is over, reboot your Virtual Machine.



Step 21: Voila!! You're finished with the installation process. Now you can use Ubuntu along with Windows, without creating a dual boot.

