

Support Ticket

#353770 - Virtual Machine Setup with Oracle

VirtualBox (Ubuntu & OpenSUSE)

Objective:

This task involves setting up a virtual environment using Oracle VirtualBox as the hypervisor. You will create two virtual machines:

1. Ubuntu 20.04 server with a minimal installation.
2. OpenSUSE 15 Leap with a minimal installation.

After creating the virtual machines, you will assign hostnames:

ubuntu.example.com for the Ubuntu VM.

opensuse.example.com for the OpenSUSE VM.

Constraints:

Only use Oracle VirtualBox as a hypervisor.

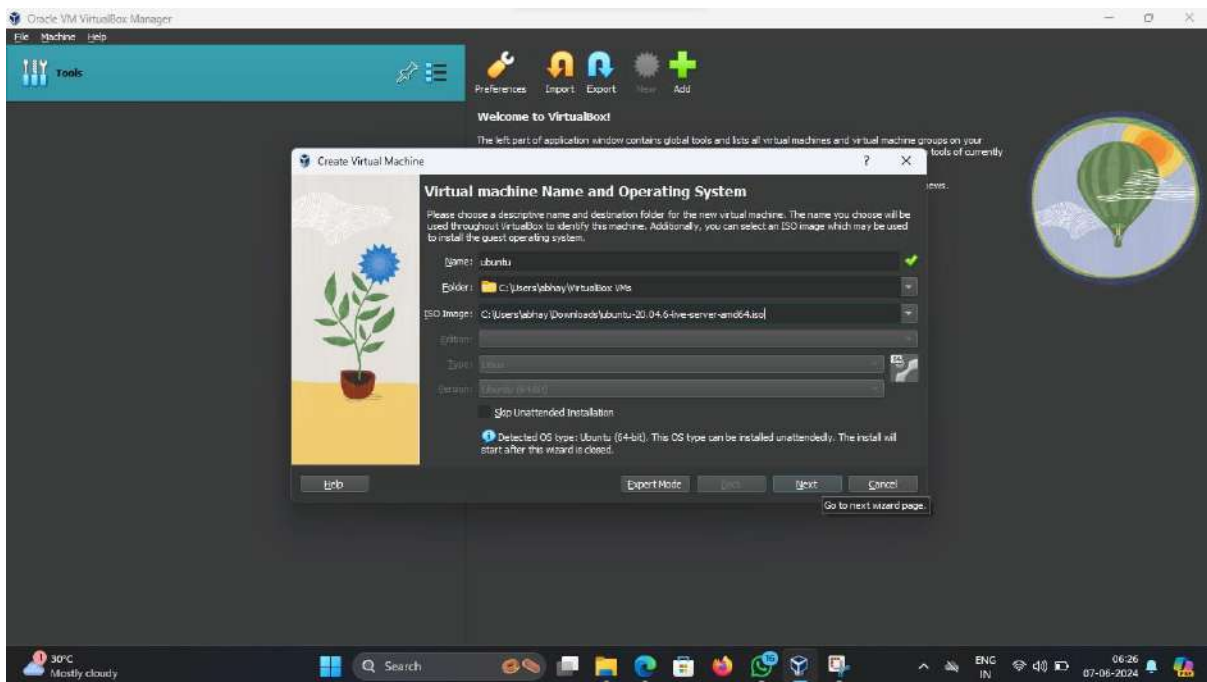
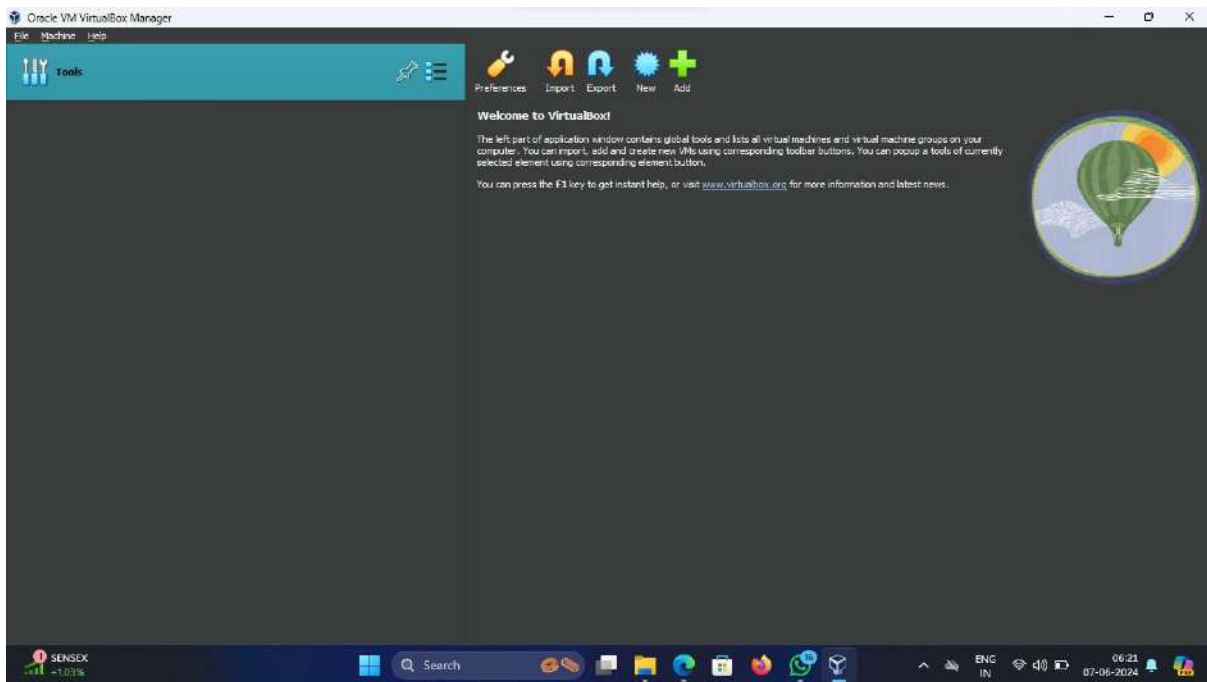
Download the minimal installation ISOs for Ubuntu 20.04 server and OpenSUSE 15 Leap.

Ensure adequate system resources (RAM and storage) are allocated to each virtual machine for smooth operation.

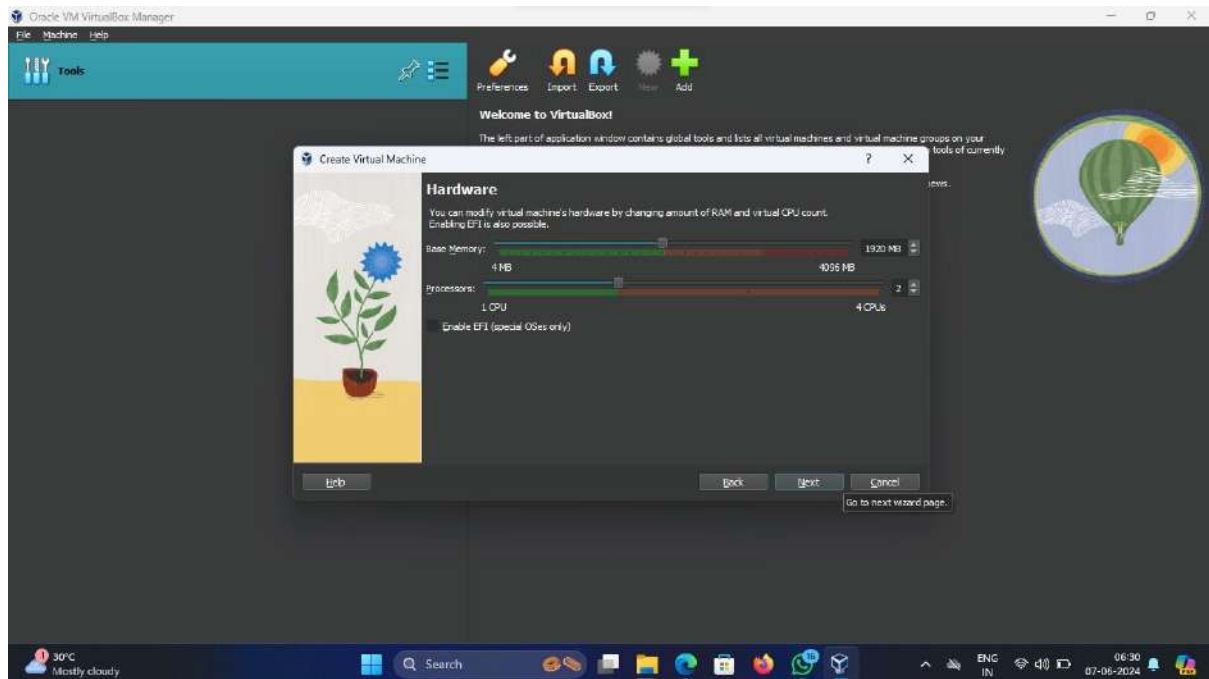
Ubuntu VM

Step 1: Create a New Virtual Machine

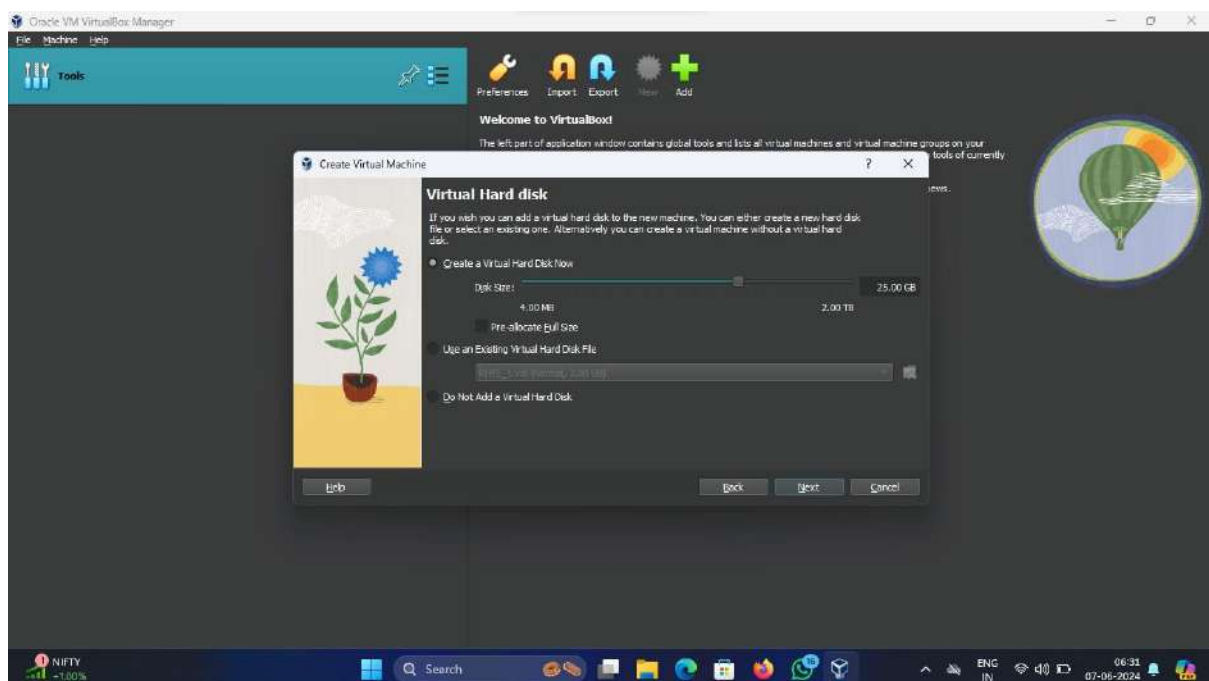
Next Click on *New* (in the top right of the VirtualBox Manager), give your virtual machine a name and the two drop down menus should automatically update.



Step 2: Click Next. The wizard will now ask you to select the amount of memory (RAM) & CPU in megabytes to be allocated to the virtual machine.



Step 3 : Click Next and you will be prompted to add a virtual hard disk to the new machine. Make sure that Create a virtual hard disk now is selected, then press Create.

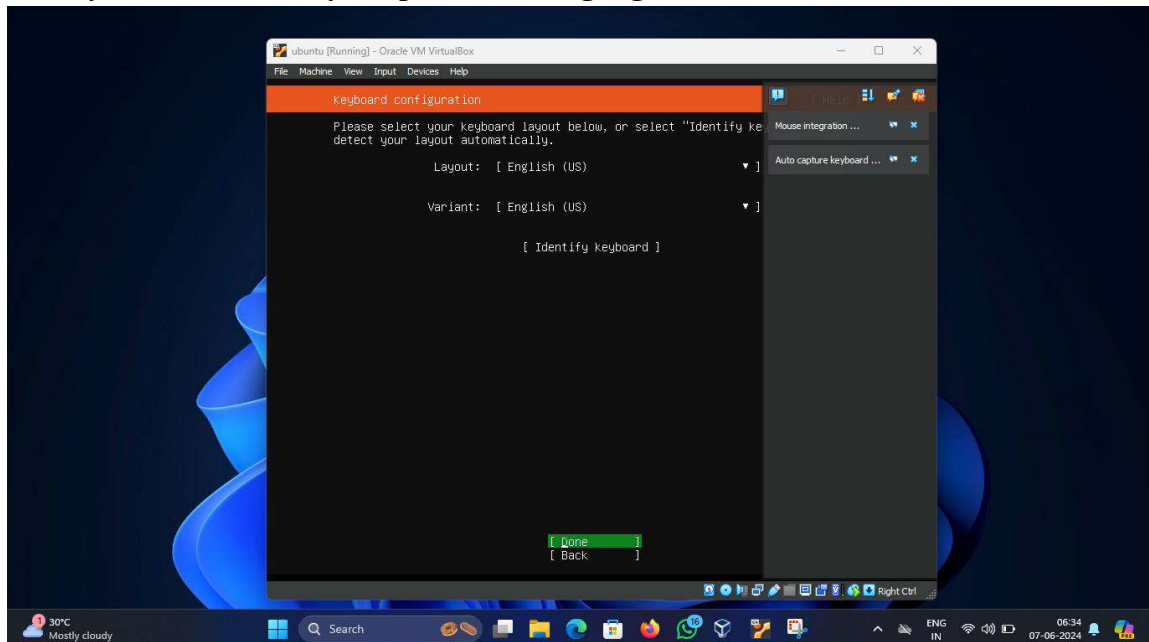


Step 4: Click Next and you will be prompted to add a virtual hard disk to the new machine. Make sure that Create a virtual hard disk now is selected, then press Create.

The Ubuntu installation process will now begin. It consists of multiple steps and is quite painless.

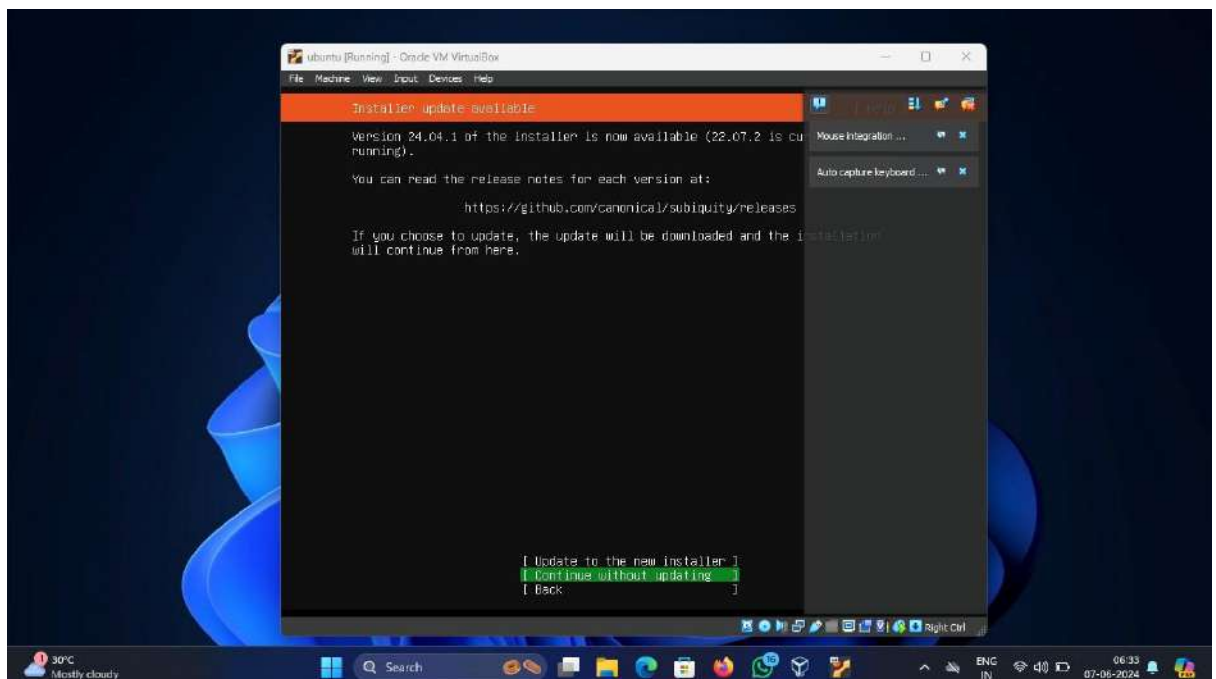
The Welcome Screen

- Here you should select your preferred language.



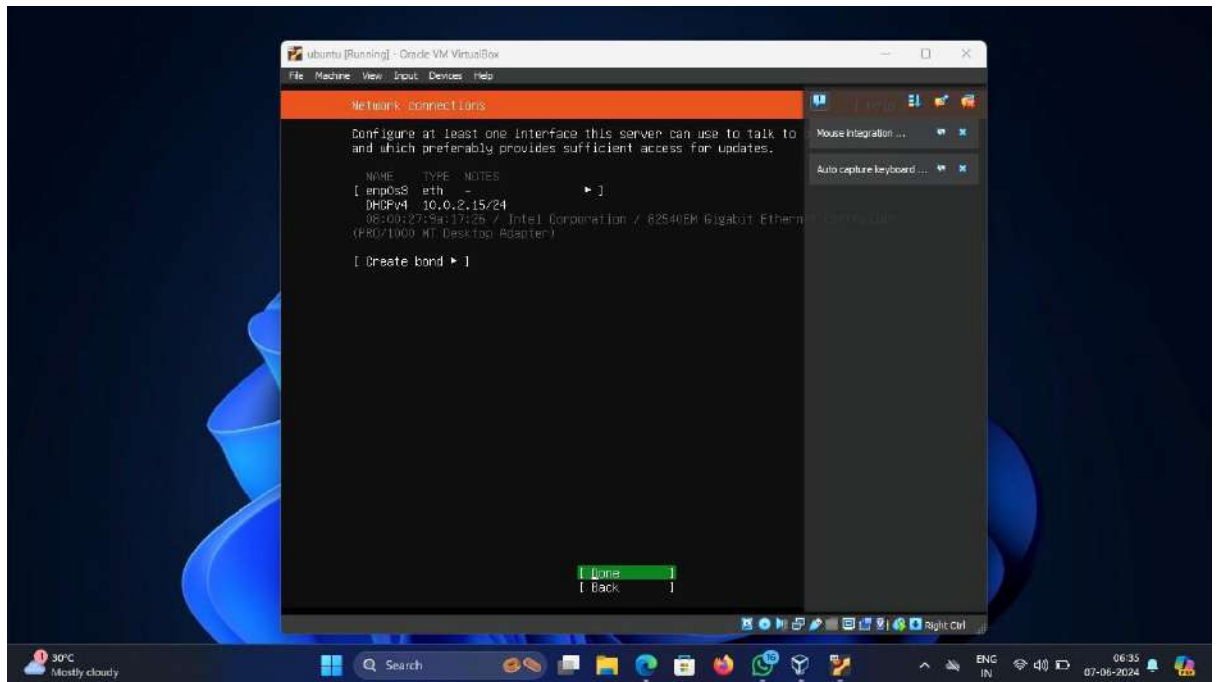
Installer Update

If an installer update is available, you can choose to install it or ignore it.



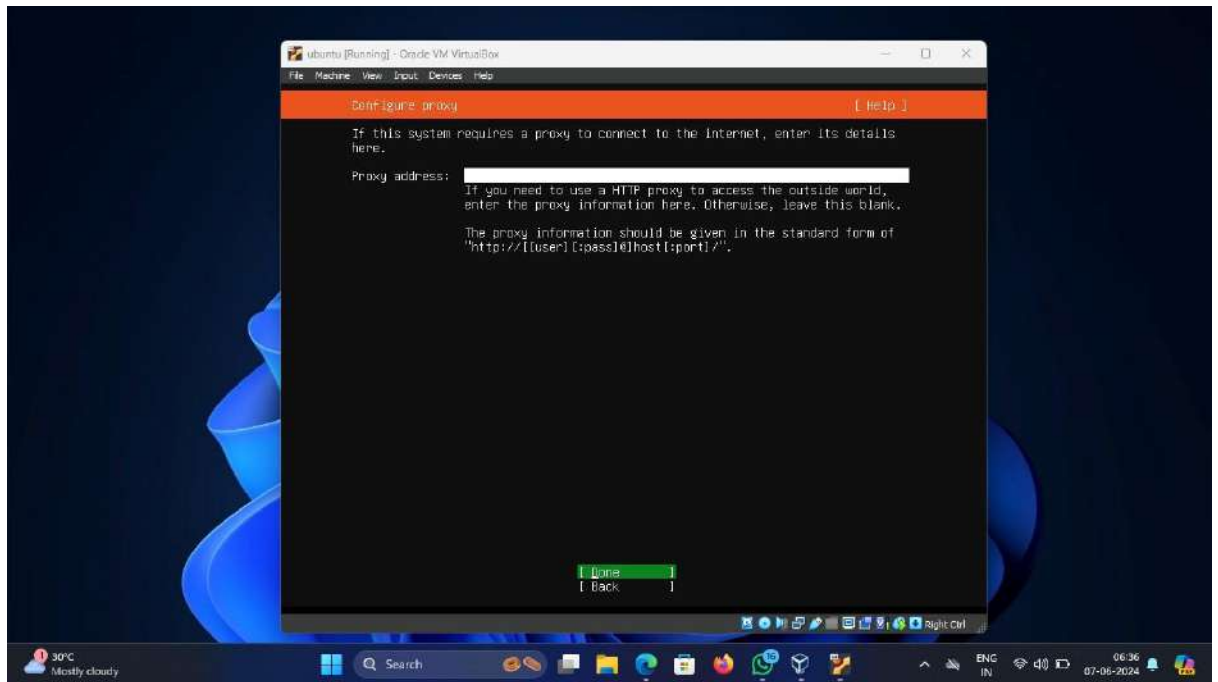
Network Connections

Here Ubuntu will attempt to configure the standard network interface. Normally you can just accept the default and select *Done*.



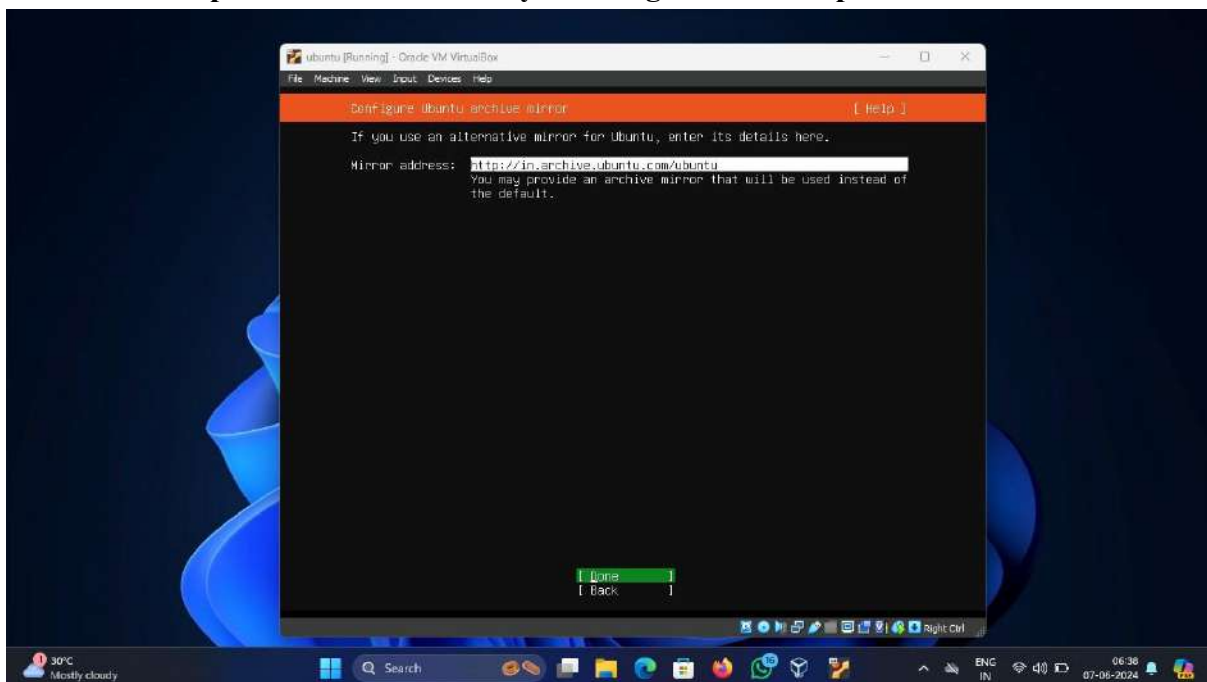
Configure Proxy

If your system requires a proxy to connect to the internet (mine doesn't), enter its details in the next dialogue. Then select *Done*.



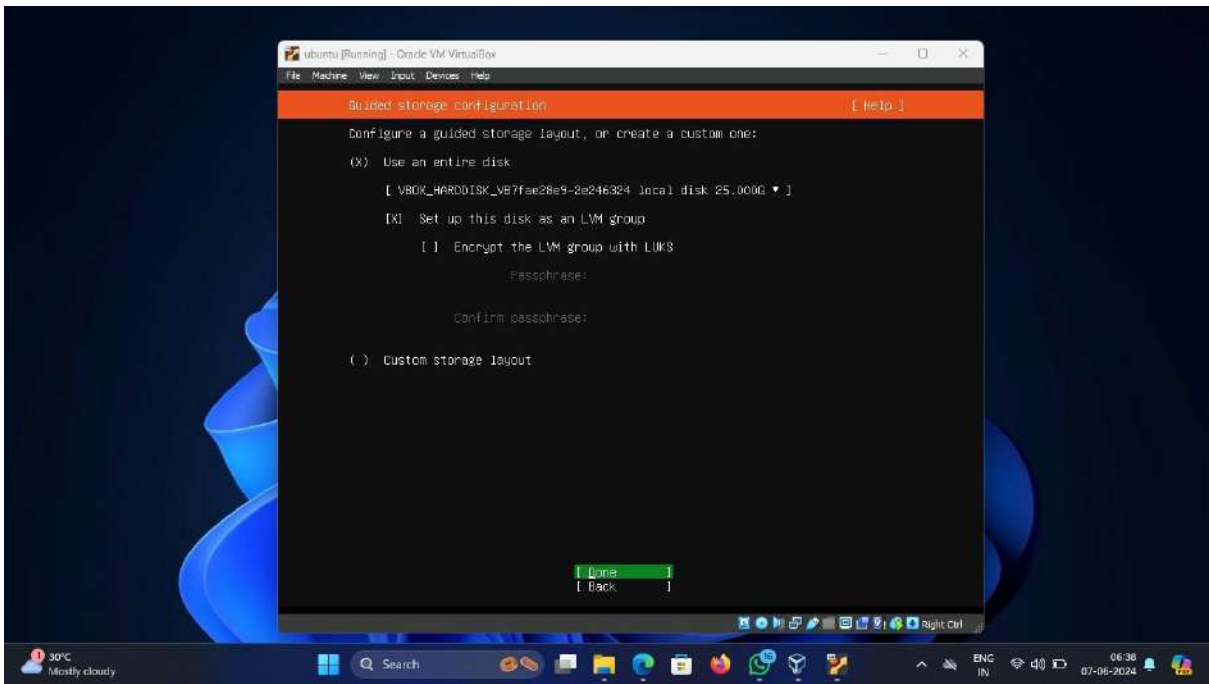
Configure Ubuntu Archive Mirror

If you wish to use an alternative mirror for Ubuntu, you can enter the details here. Otherwise accept the default mirror by selecting *Done*. I accepted the default.



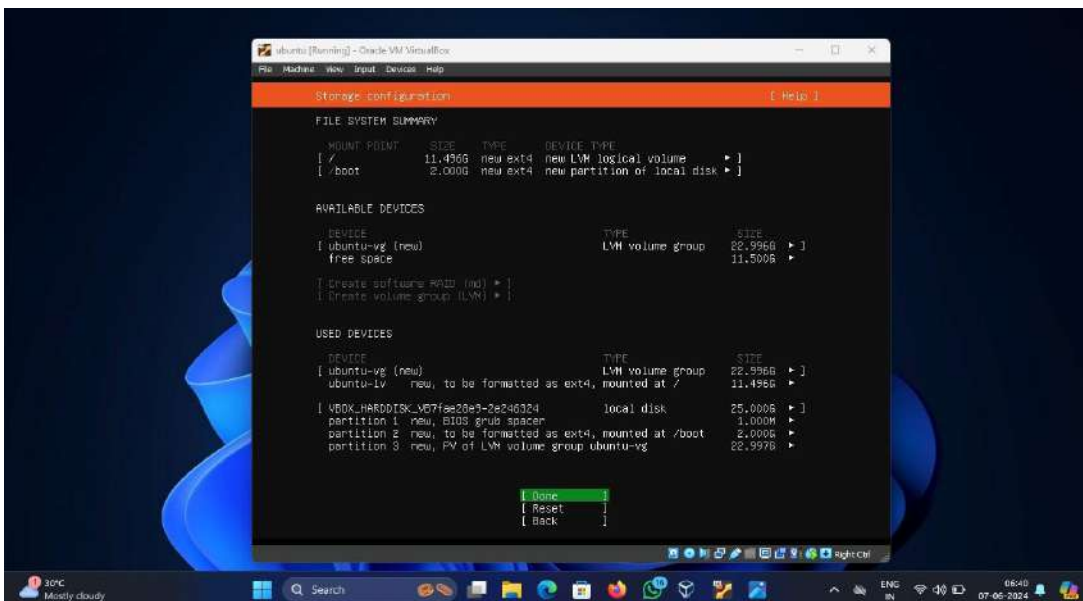
Guided Storage Configuration

The installer can guide you through partitioning an entire disk or, if you prefer, you can do it manually. If you choose to partition an entire disk you will still have a chance to review and modify the results before Ubuntu is installed. I selected *Use An Entire Disk*.



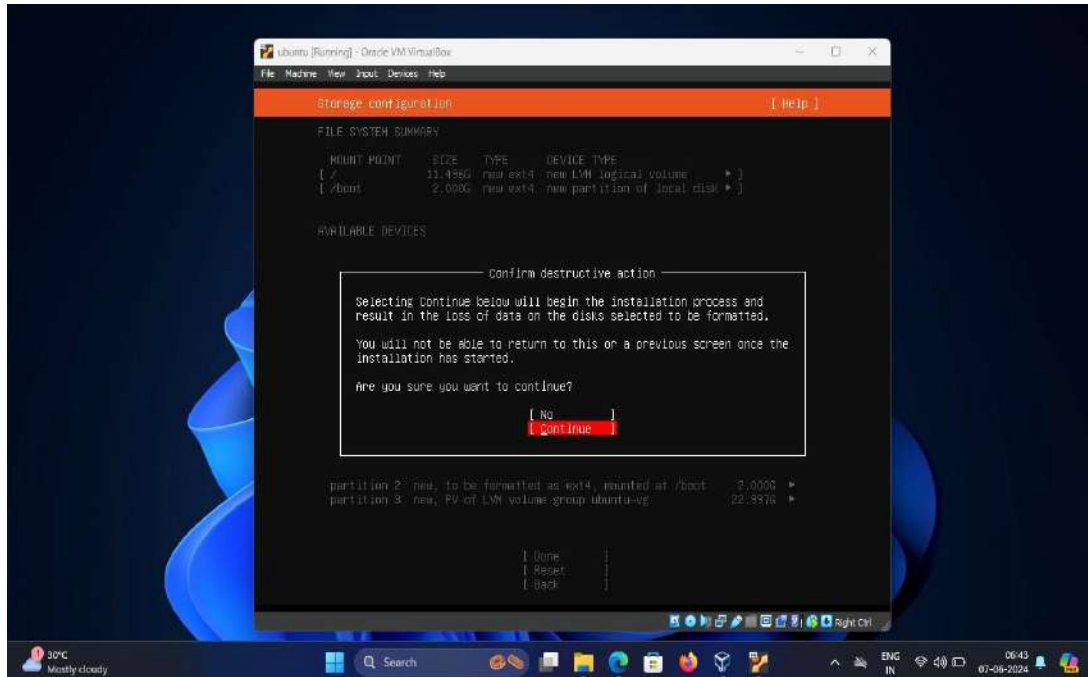
Storage Configuration Summary

The next screen summarizes the choices you made in the previous step. If you are happy with everything, select Done.



As this is a “destructive action”. I was asked to confirm my choice with Continue.

The Confirm Destructive Action Screen

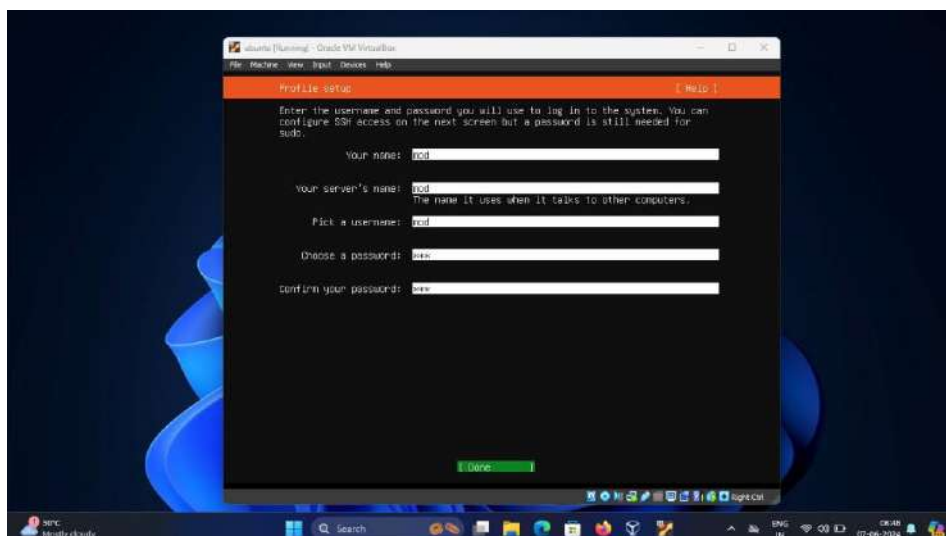


Profile Setup

Here you are required to enter:

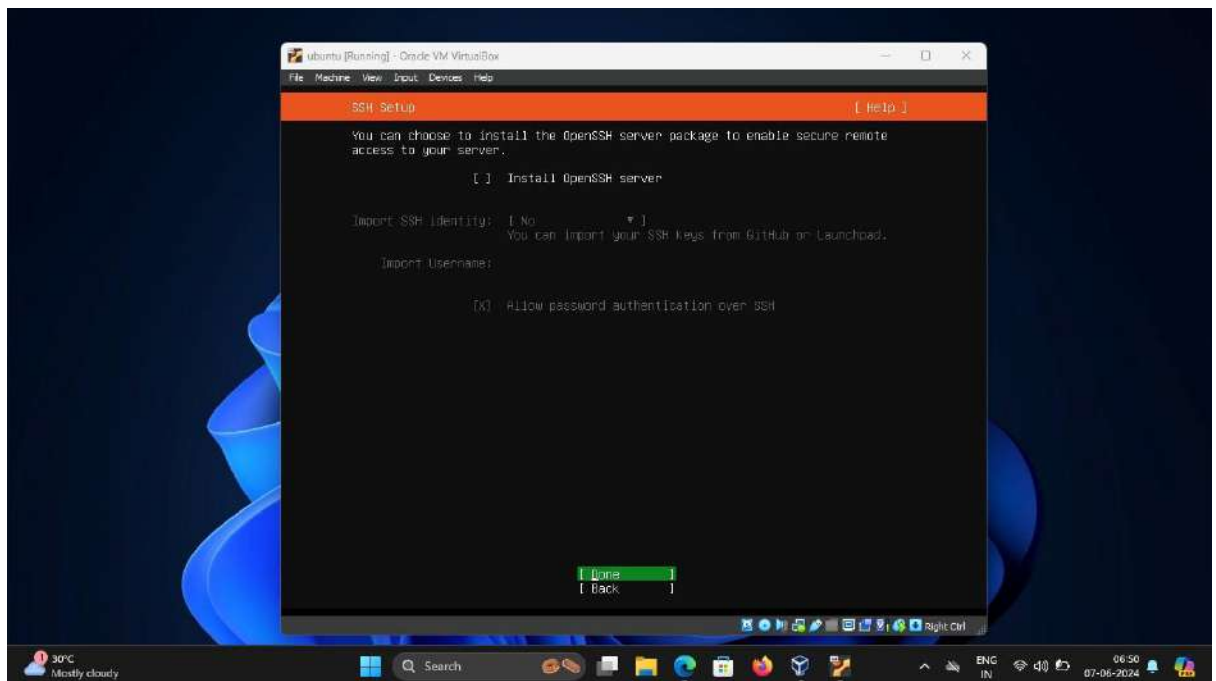
- ✚ Your (real) name
- ✚ Your server's name
- ✚ Your username
- ✚ Password

Fill these details out as you see fit.



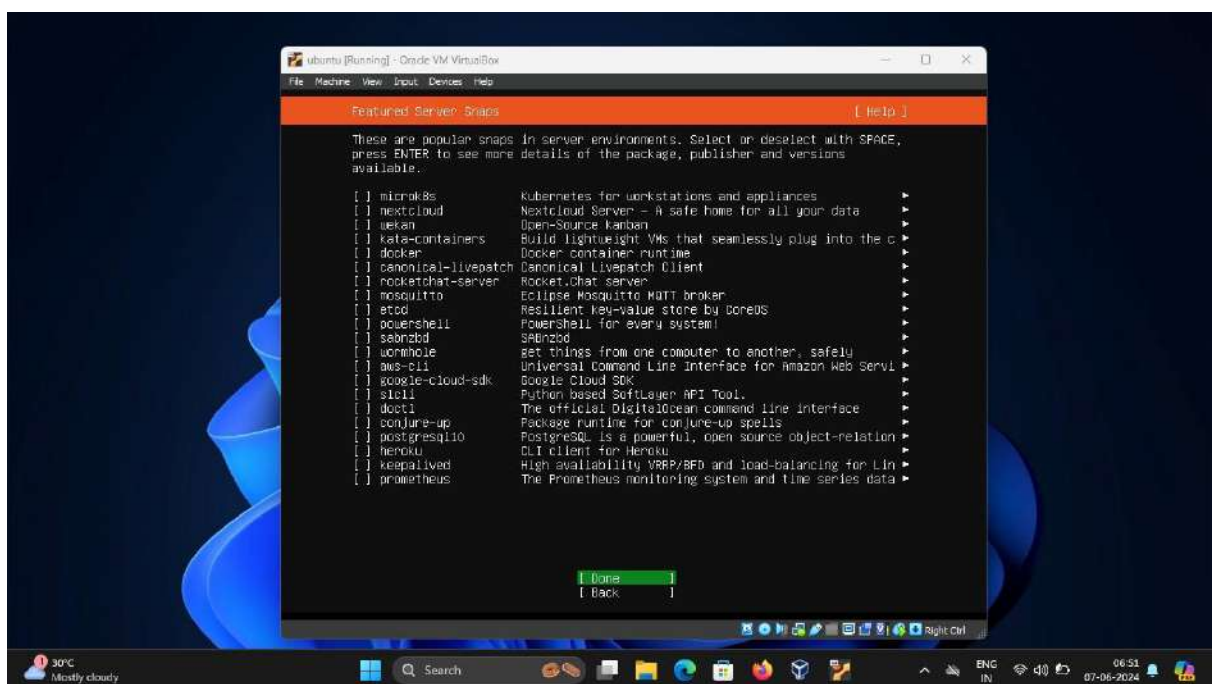
SSH Setup

Here we have a chance to install the OpenSSH server package. We'll need this to connect to the virtual machine via SSH later on, so ensure that you select it.



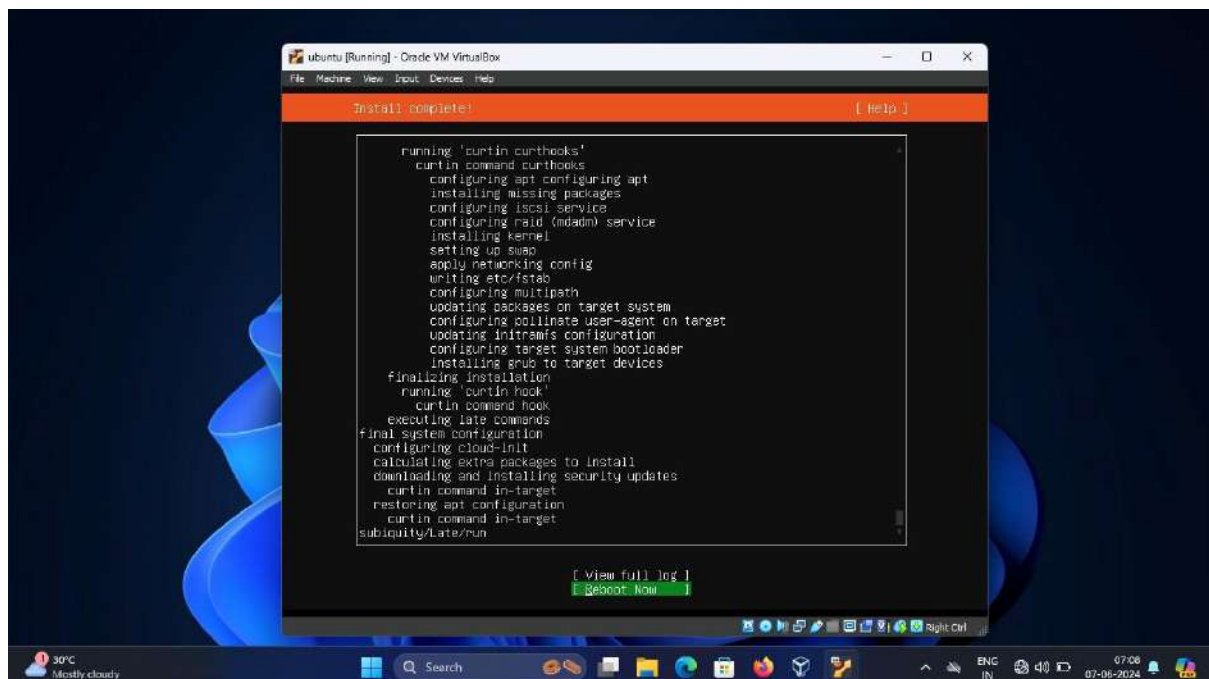
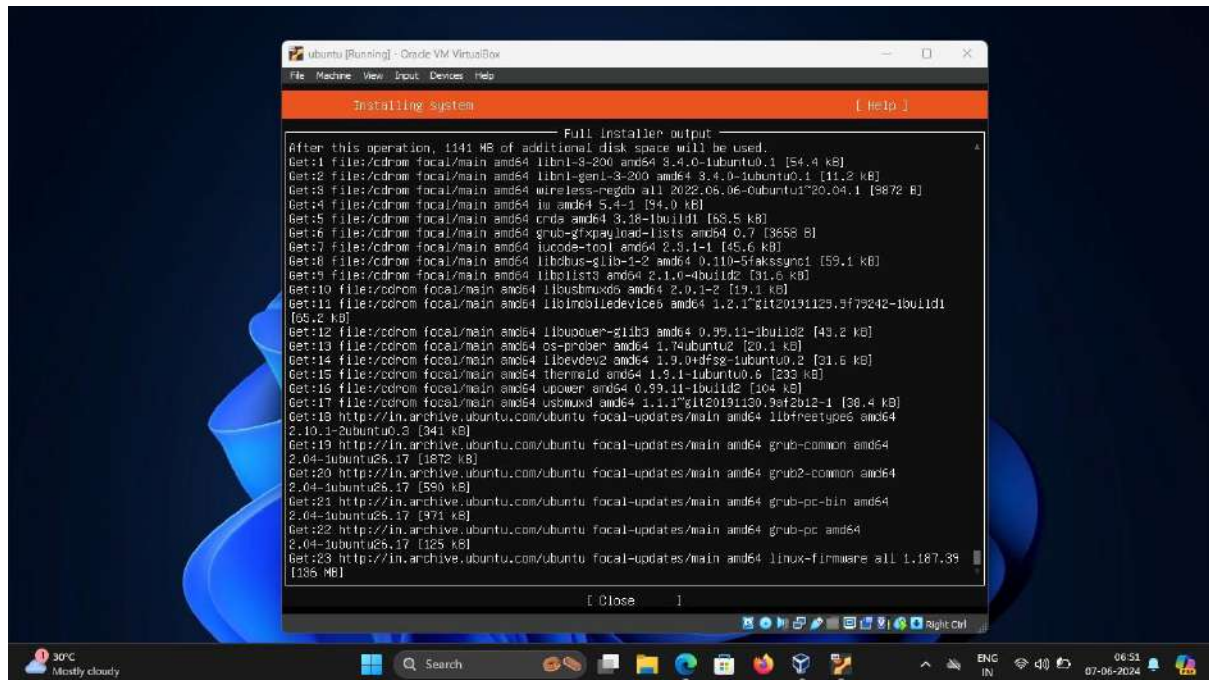
Featured Server Snaps

Here you can select from a list of popular snaps to install on your system. Snaps are self-contained software packages that work across a range of Linux distributions. I didn't select any.

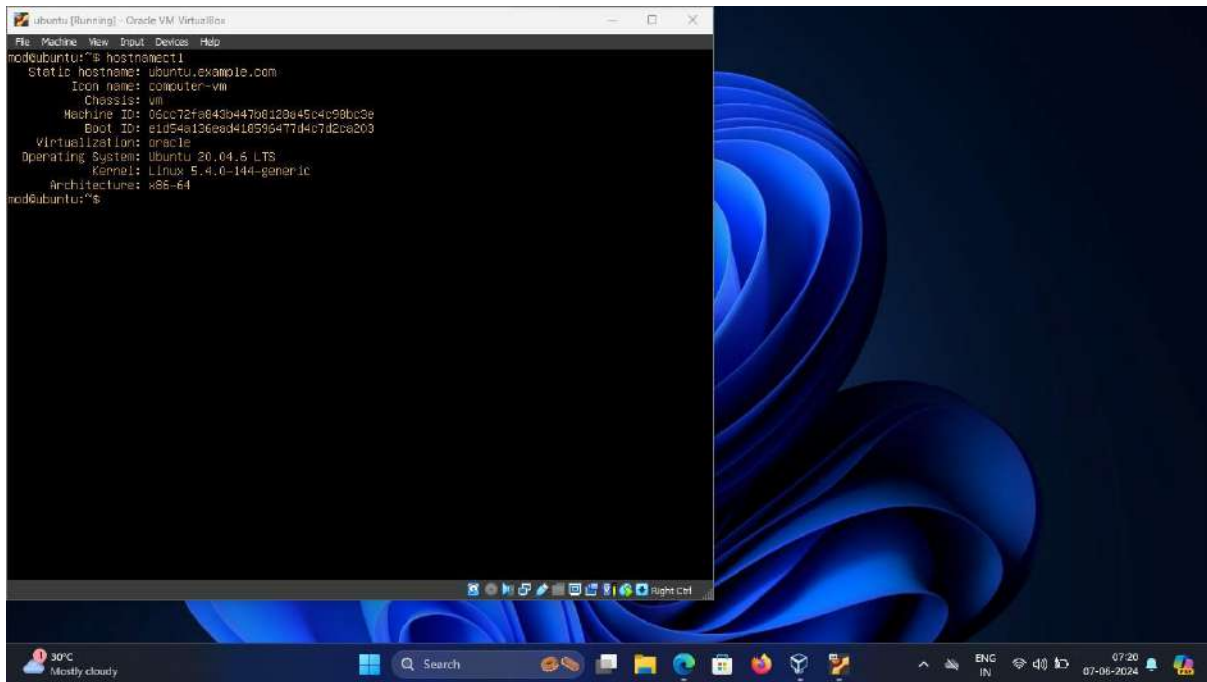


Install and reboot

And that's it, the installer will now install Ubuntu 22.04. Once it is finished you should select Reboot Now



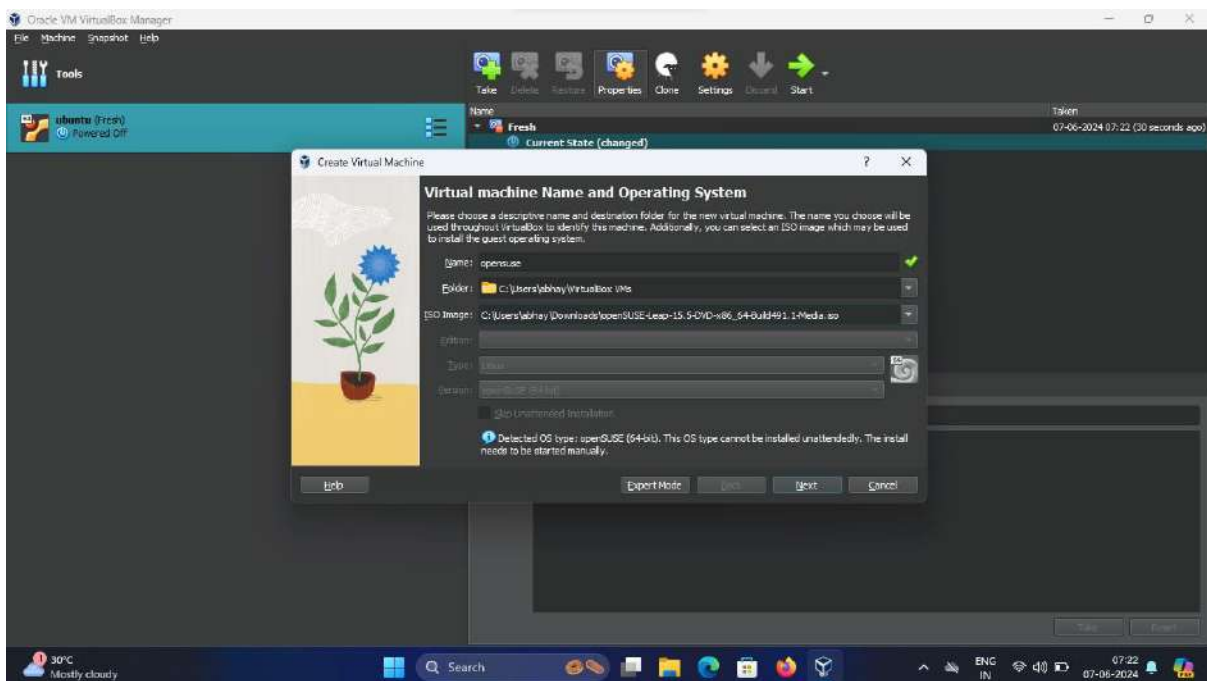
After creating the virtual machines, hostname is assigned: -
ubuntu.example.com for the Ubuntu VM.



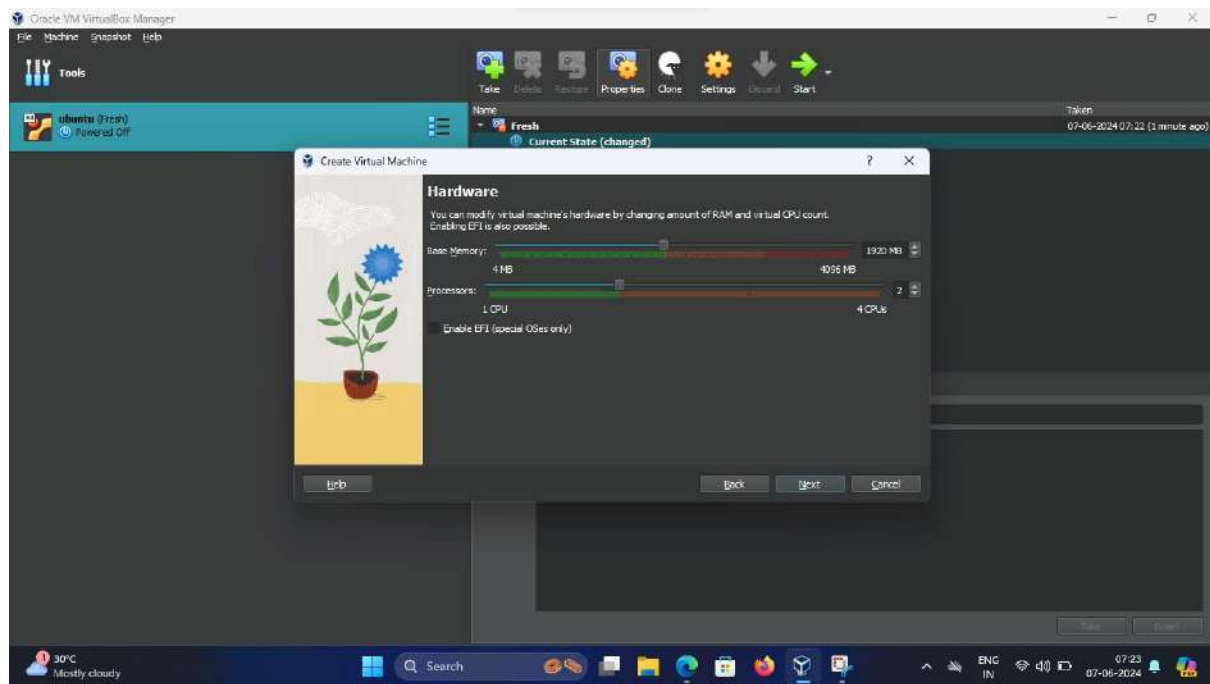
Open Suse Leap Vm

Step 1: Create a New Virtual Machine

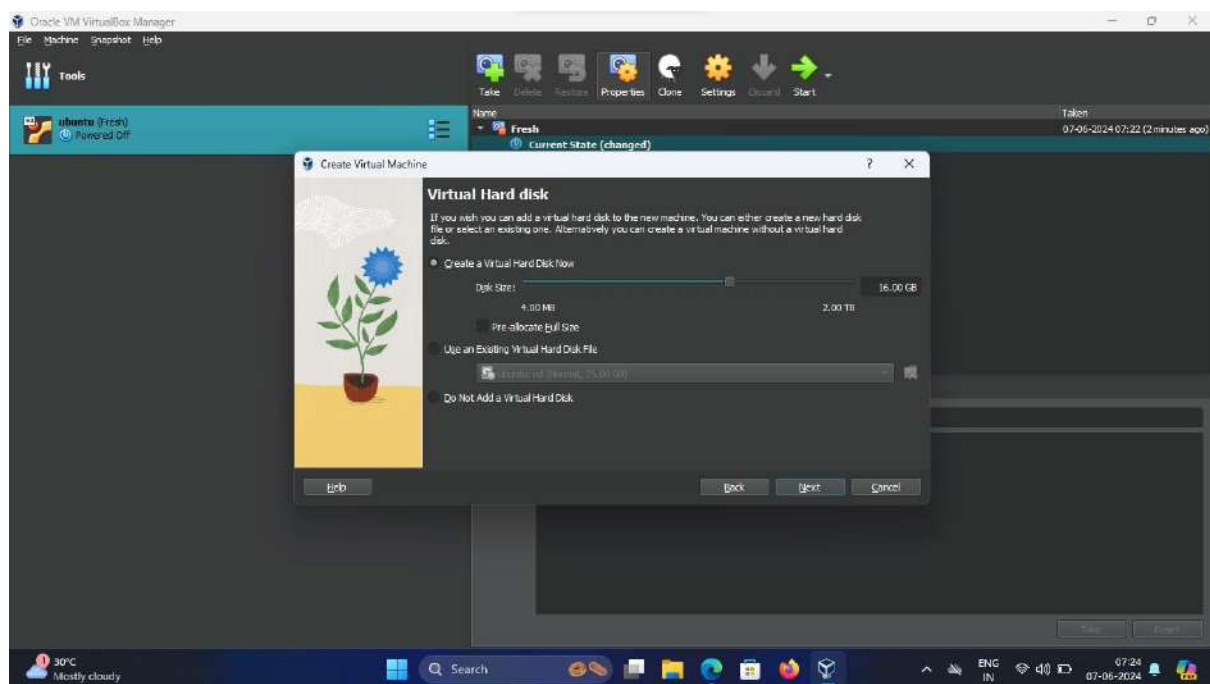
Next Click on New (in the top right of the VirtualBox Manager), give your virtual machine a name and the two drop down menus should automatically update.



Step 2: Click Next. The wizard will now ask you to select the amount of memory (RAM) & CPU in megabytes to be allocated to the virtual machine.

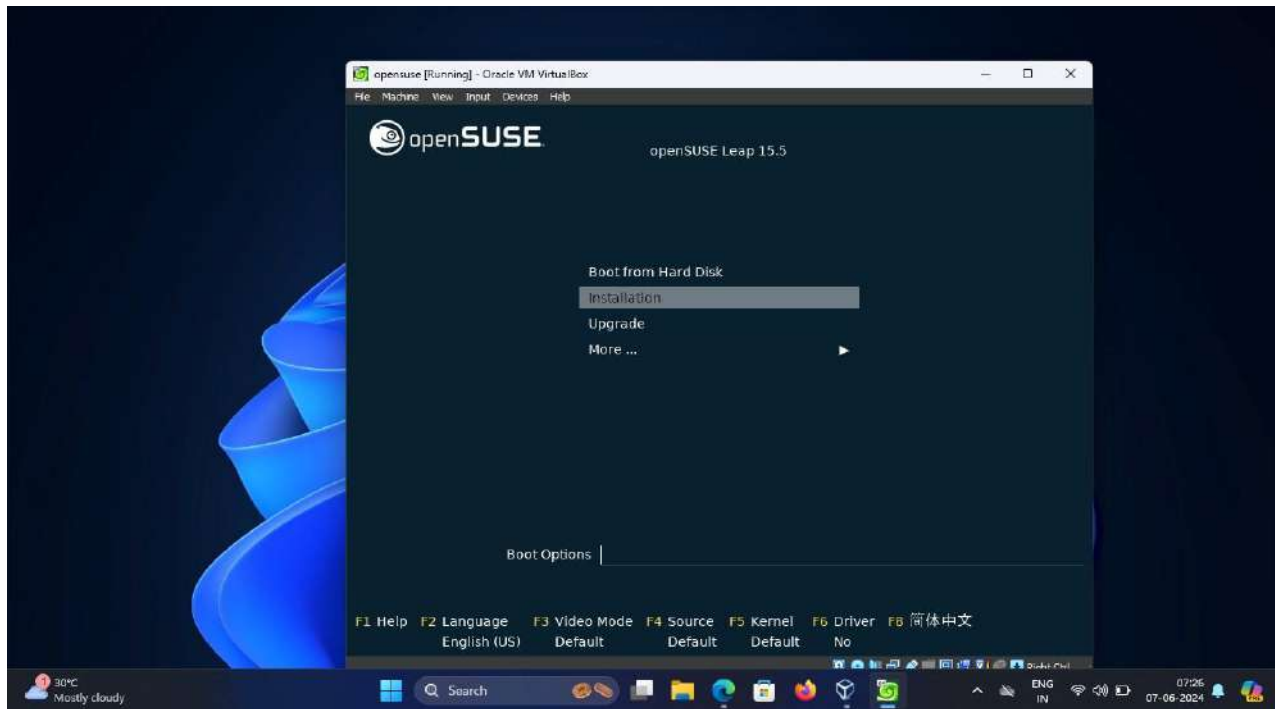


Step 3 : Click Next and you will be prompted to add a virtual hard disk to the new machine. Make sure that Create a virtual hard disk now is selected, then press Create.

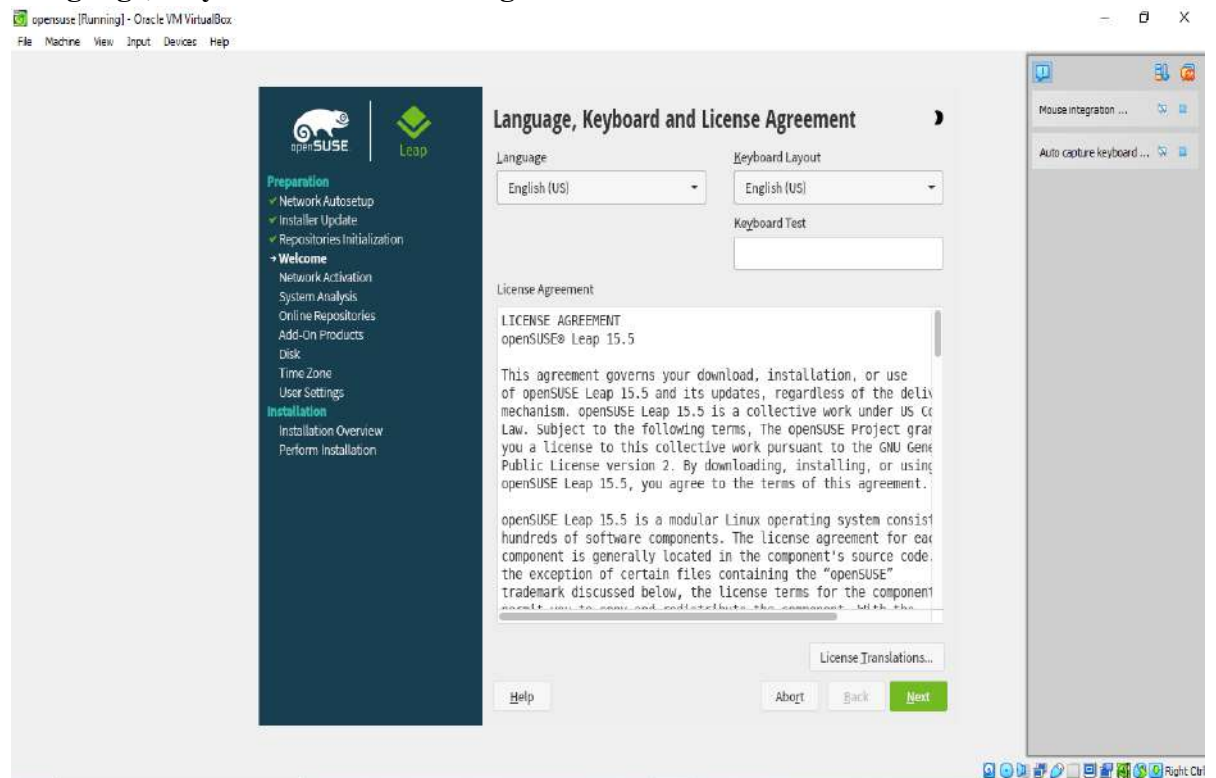


The Open Suse installation process will now begin. It consists of multiple steps.

Select Installation option here

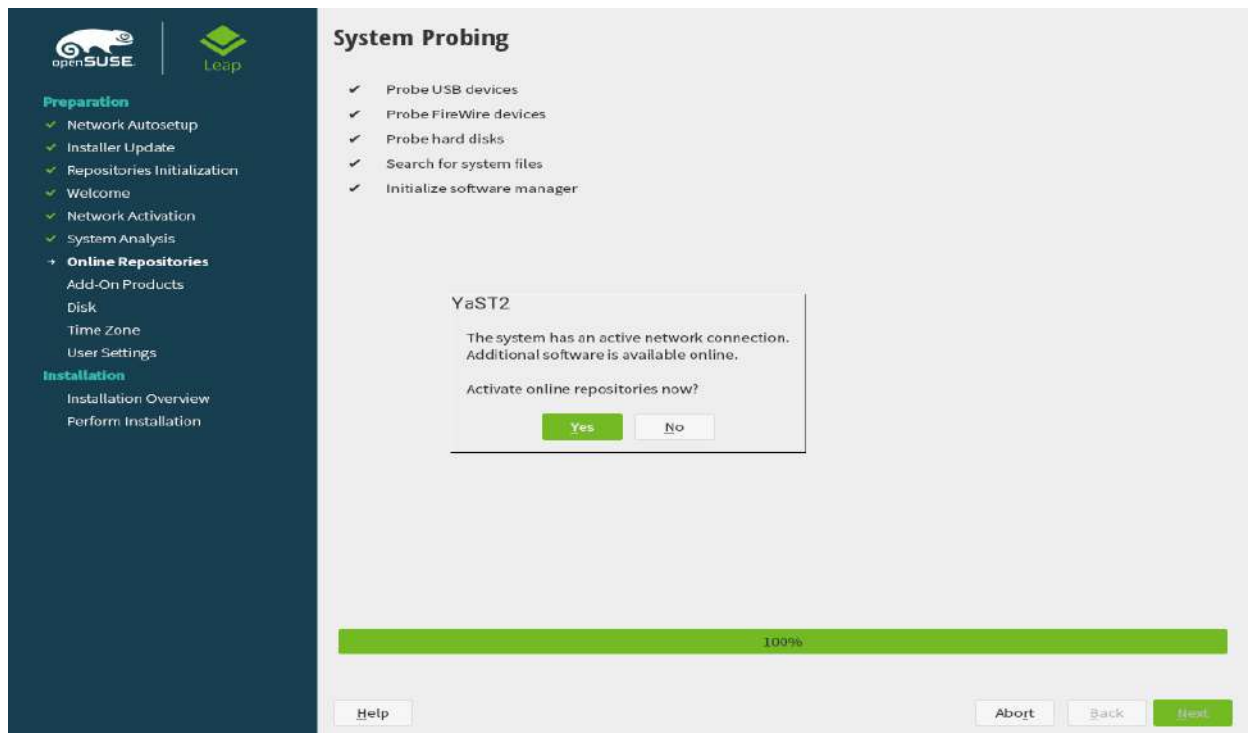


Language, Keyboard and License Agreement

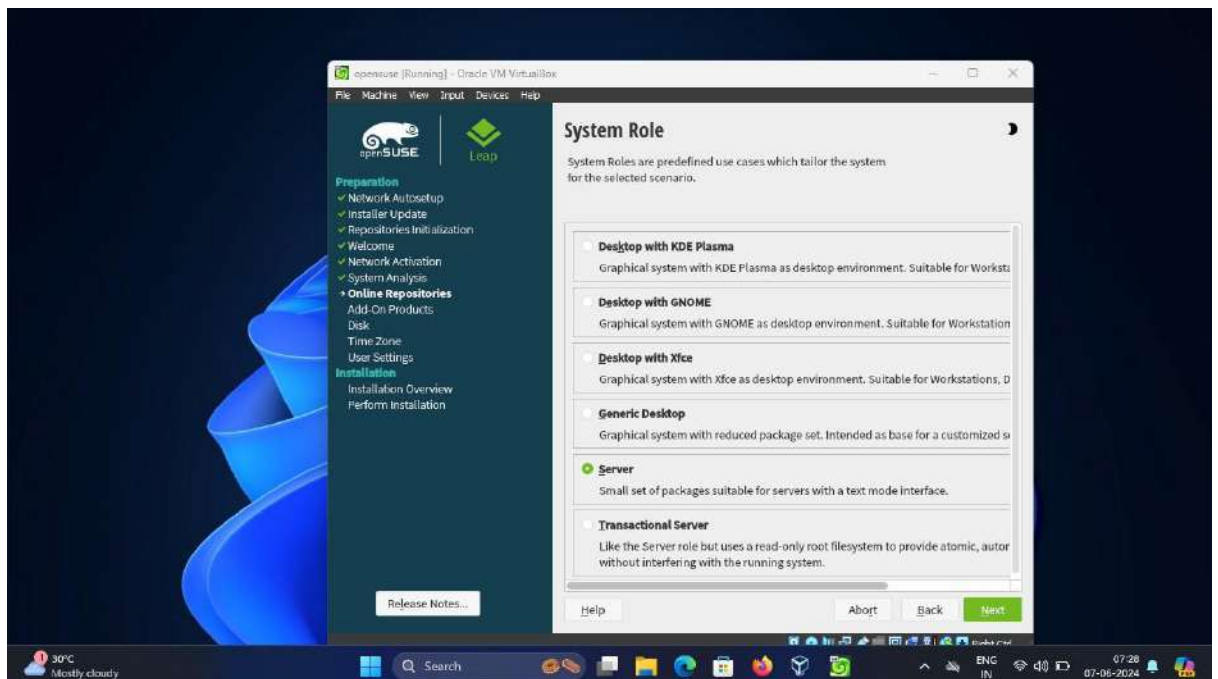


Auto Setup will take care of basic installation steps

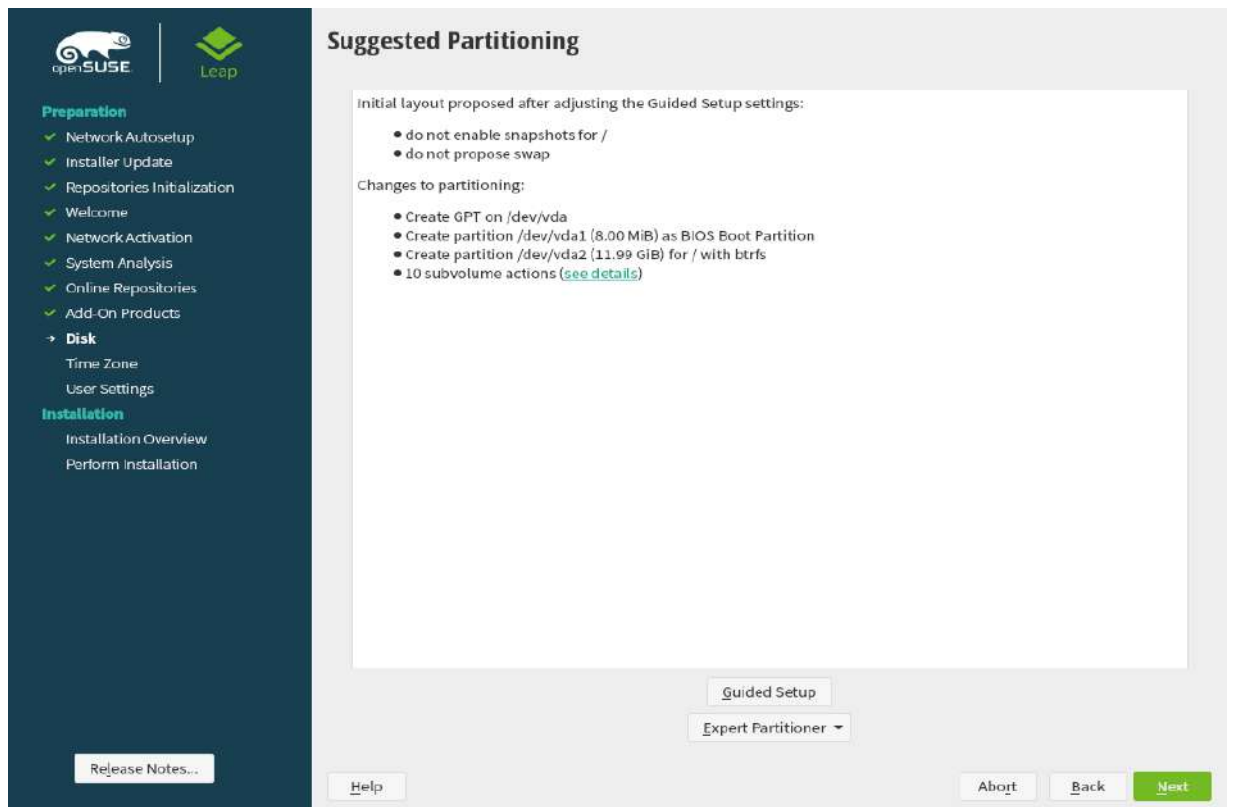
Online Repositories



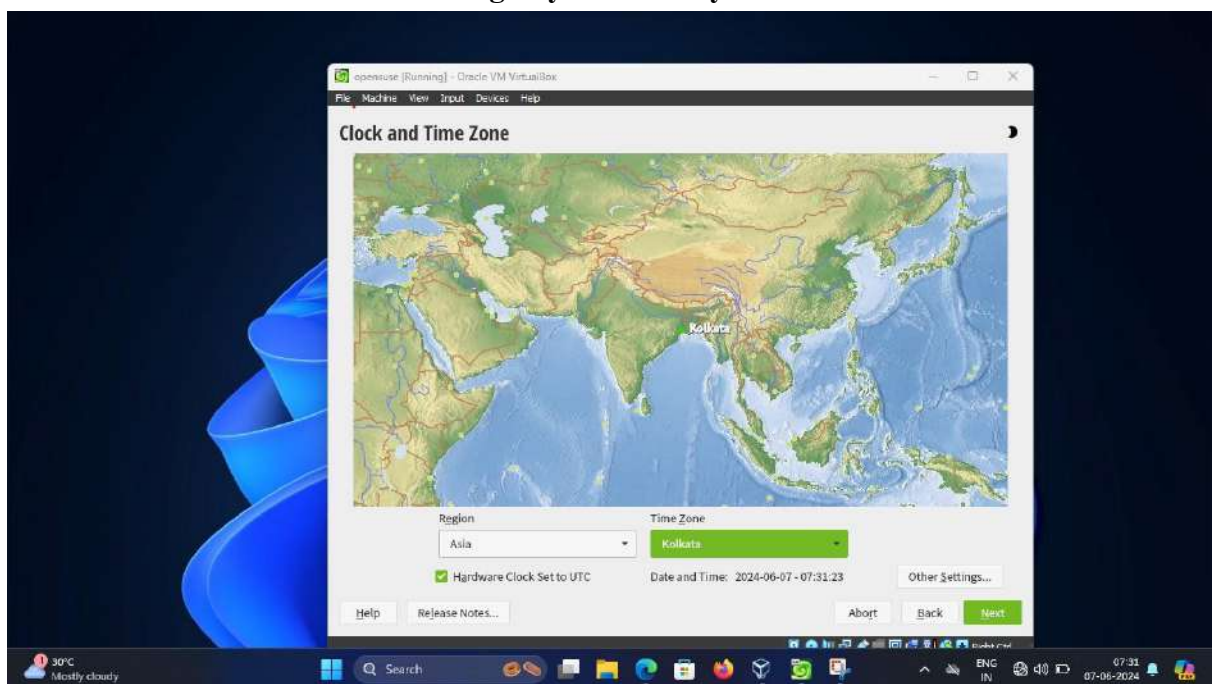
On the next step select System Role. Here we will select server for minimal installation.



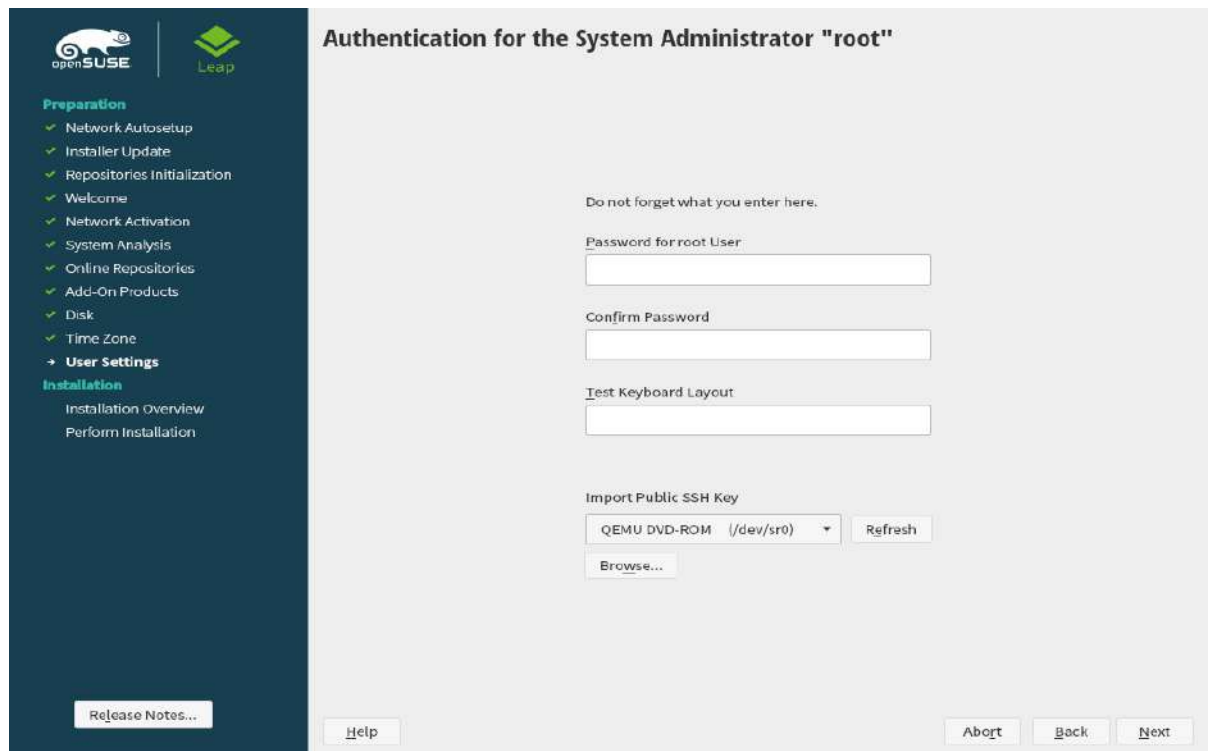
Suggested Partitioning click on next



Here Select the Time Zone according to your country

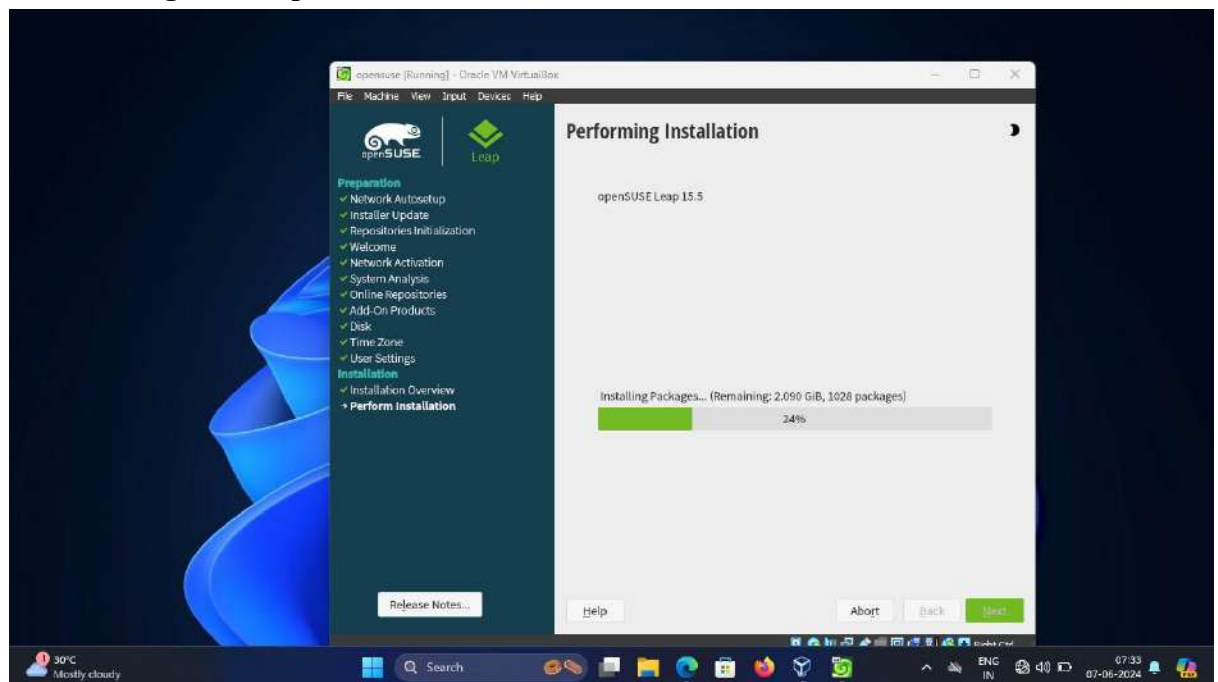


Add up the local user details according to your preference

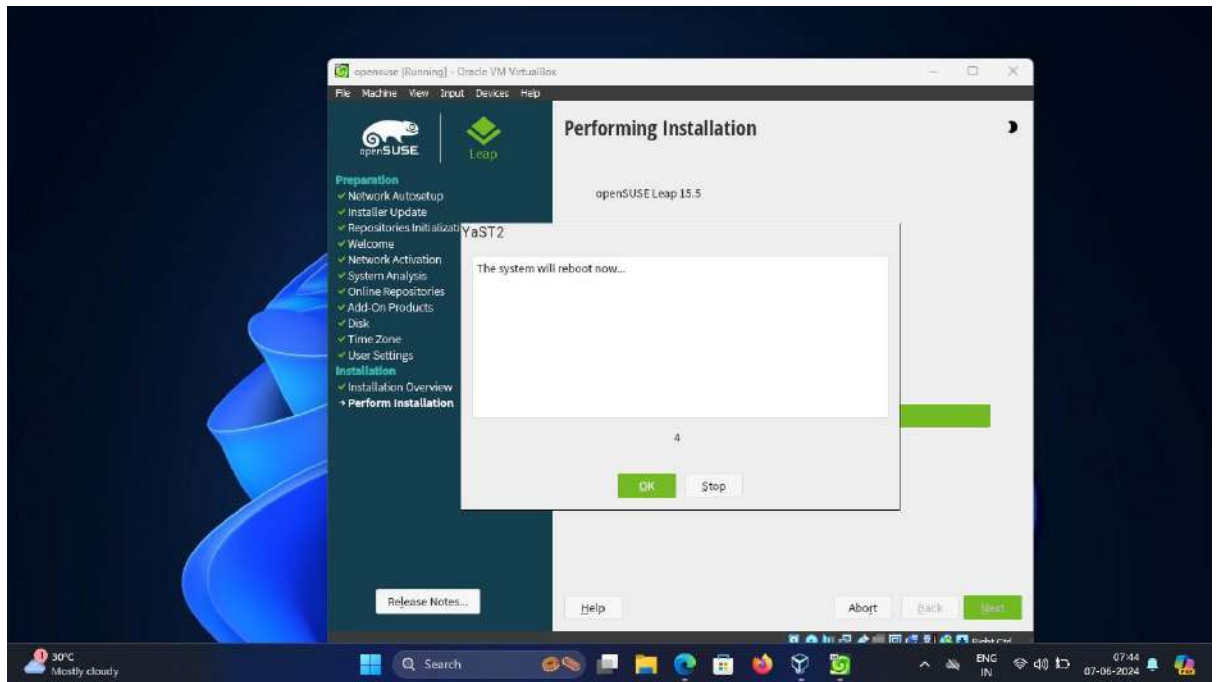


Performing installation.

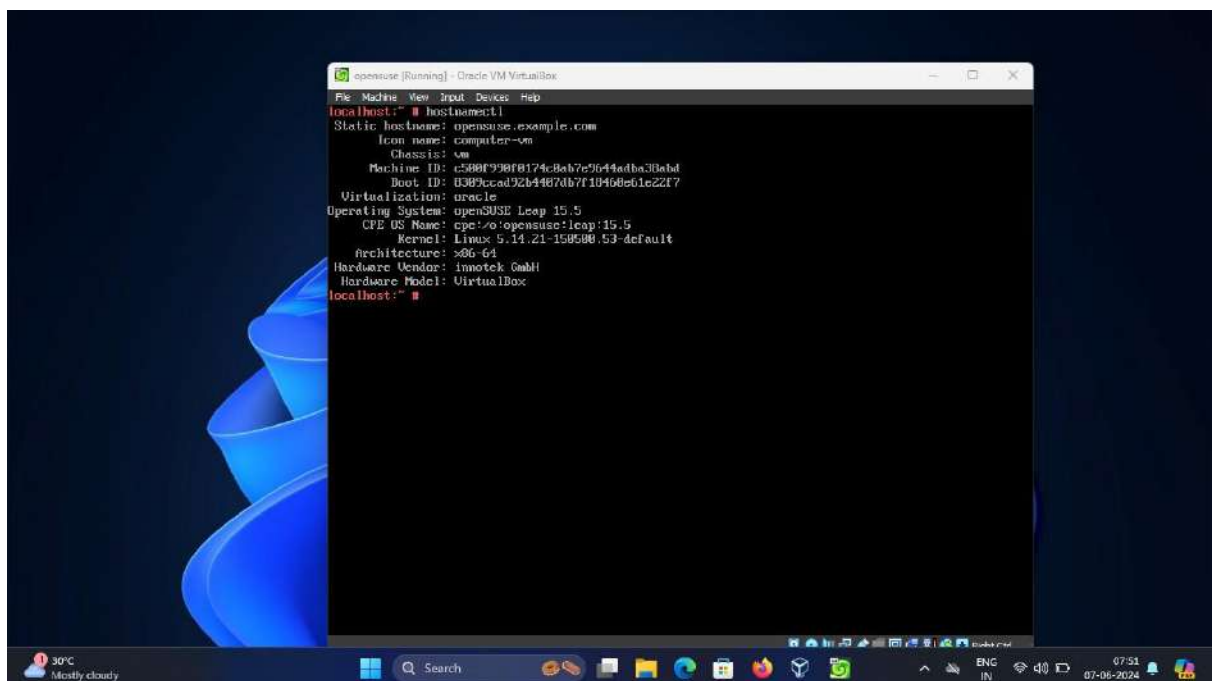
Feel free to grab a cup of coffee the installation will take a while.



After the installation the system automatically reboot itself.



As Per prerequisite the hostname of the system should be opensuse.example.com
for the OpenSUSE VM.



END