

Download VMware Workstation for Windows and install

<https://www.techspot.com/downloads/189-vmware-workstation-for-windows.html>

- Check above blog, and install VMware Workstation on your personal laptop
- Download ubuntu 22.04

https://releases.ubuntu.com/22.04/?_gl=1*18xj4v4*_gcl_au*MTc2NDg4Nzk3NS4xNzIzNDM1Nzcw&_ga=2.238615232.1313284686.1723435768-641863381.1723435768

Desktop image

The desktop image allows you to try Ubuntu without changing your computer at all, and at your option to install it permanently later. This type of image is what most people will want to use. You will need at least 1024MiB of RAM to install from this image.

64-bit PC (AMD64) desktop image

Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

Server install image

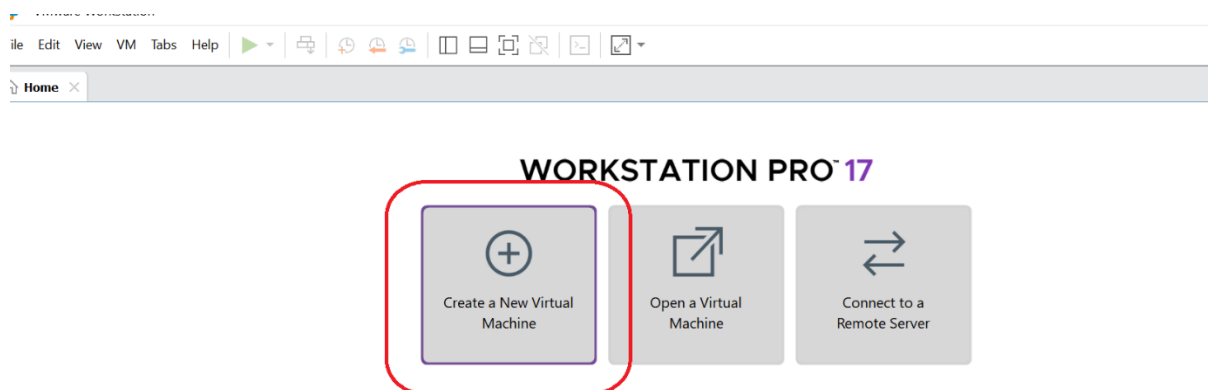
The server install image allows you to install Ubuntu permanently on a computer for use as a server. It will not install a graphical user interface.

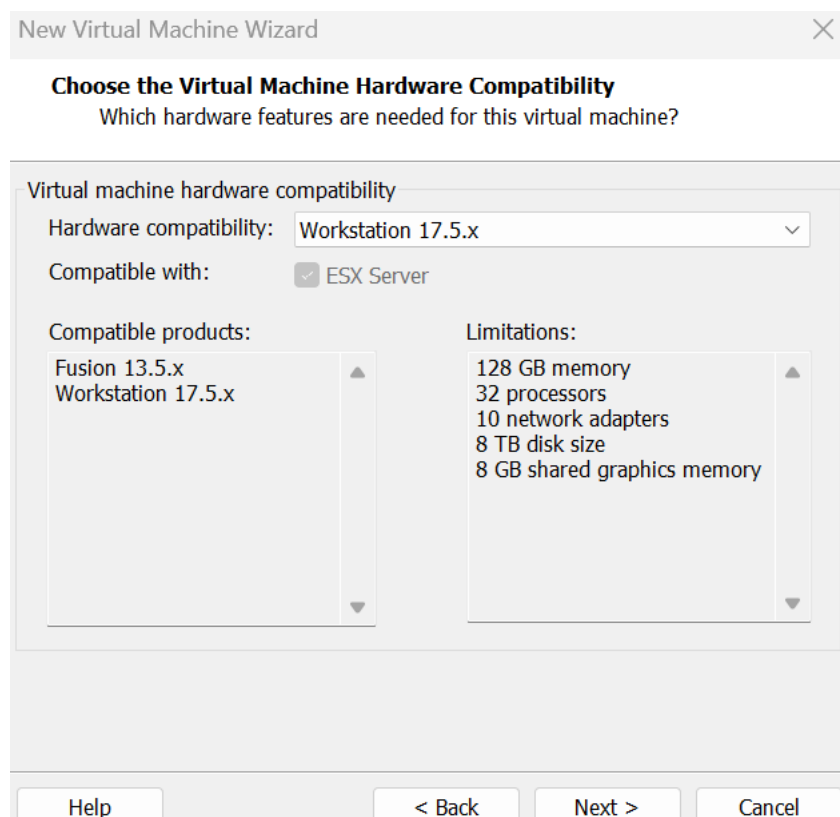
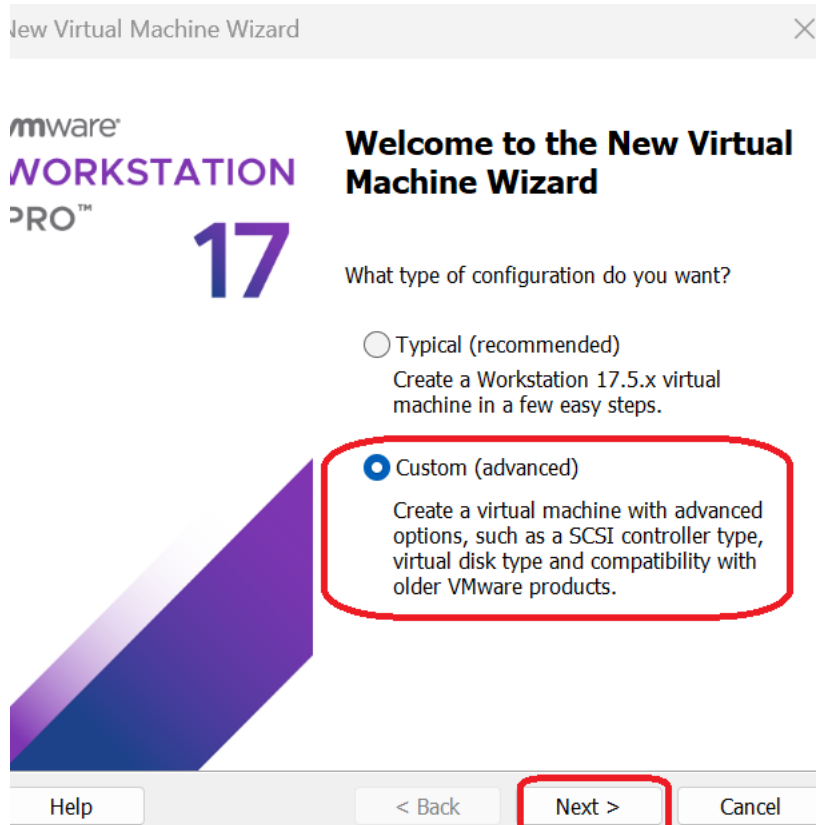
64-bit PC (AMD64) server install image

Choose this if you have a computer based on the AMD64 or EM64T architecture (e.g., Athlon64, Opteron, EM64T Xeon, Core 2). Choose this if you are at all unsure.

Image name: ubuntu-22.04.4-live-server-amd64.iso

Open VMware Workstation, and click





Select the iso which you downloaded

New Virtual Machine Wizard

Guest Operating System Installation
A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:
No drives available

☒ Installer disc image file (iso):
C:\Users\john2\Downloads\ubuntu-24.04-live-server-ar Browse...

Ubuntu 64-bit Server 24.04 detected.
To use Easy Install, insert the first disc of the set.

☐ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

Provide a name and location

New Virtual Machine Wizard

Name the Virtual Machine
What name would you like to use for this virtual machine?

Virtual machine name:
mylabvm

Location:
C:\Users\john2\Documents\Virtual Machines\mylabvm Browse...

The default location can be changed at Edit > Preferences.

< Back Next > Cancel

New Virtual Machine Wizard

Processor Configuration

Specify the number of processors for this virtual machine.

Processors

Number of processors:

2

Number of cores per processor:

1

Total processor cores:

2

New Virtual Machine Wizard

Memory for the Virtual Machine

How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

128 GB -

64 GB -

32 GB -

16 GB -

8 GB -

4 GB -

2 GB -

1 GB -

512 MB -

256 MB -

128 MB -

64 MB -

32 MB -

16 MB -

8 MB -

4 MB -

Memory for this virtual machine:

4096

MB

Maximum recommended memory:

13.3 GB

Recommended memory:

4 GB

Guest OS recommended minimum:

2 GB

Help

< Back

Next >

Cancel

New Virtual Machine Wizard

Network Type
What type of network do you want to add?

Network connection

☐ Use bridged networking
Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)
Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking
Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

Help < Back Next > Cancel

New Virtual Machine Wizard

Select I/O Controller Types
Which SCSI controller type would you like to use for SCSI virtual disks?

I/O controller types

SCSI Controller:

☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic (Recommended)

☐ LSI Logic SAS

☐ Paravirtualized SCSI

New Virtual Machine Wizard

Select a Disk Type
What kind of disk do you want to create?

Virtual disk type

☐ IDE

☒ SCSI (Recommended)

☐ SATA

☐ NVMe

New Virtual Machine Wizard

Select a Disk
Which disk do you want to use?

Disk

☒ Create a new virtual disk
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

☐ Use an existing virtual disk
Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)
Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

Help

< Back

Next >

Cancel

50 HD, and store as single file

New Virtual Machine Wizard

Specify Disk Capacity
How large do you want this disk to be?

Maximum disk size (GB): 50
Recommended size for Ubuntu 64-bit: 20 GB

☐ Allocate all disk space now.
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☒ Store virtual disk as a single file
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

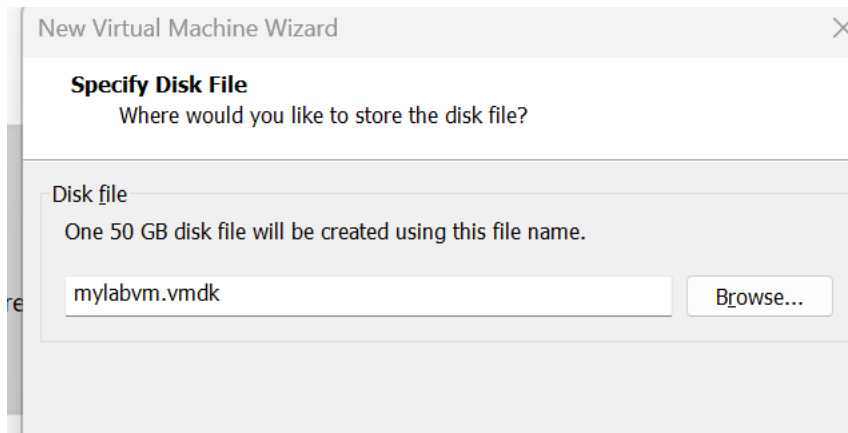
☐ Split virtual disk into multiple files

Help

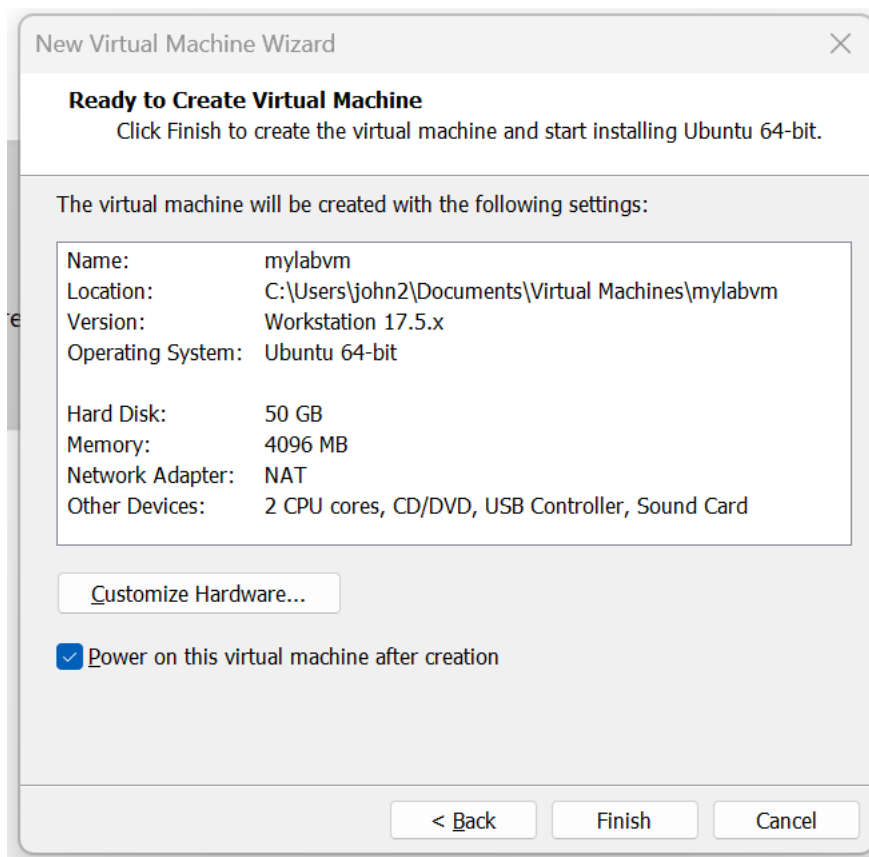
< Back

Next >

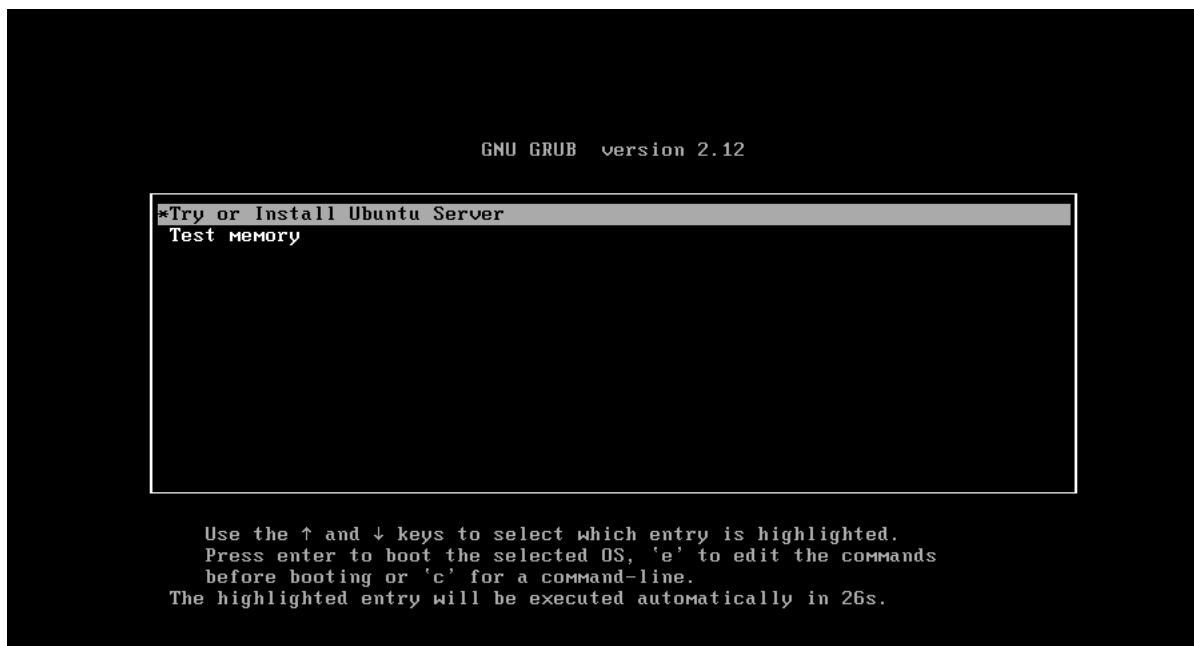
Cancel



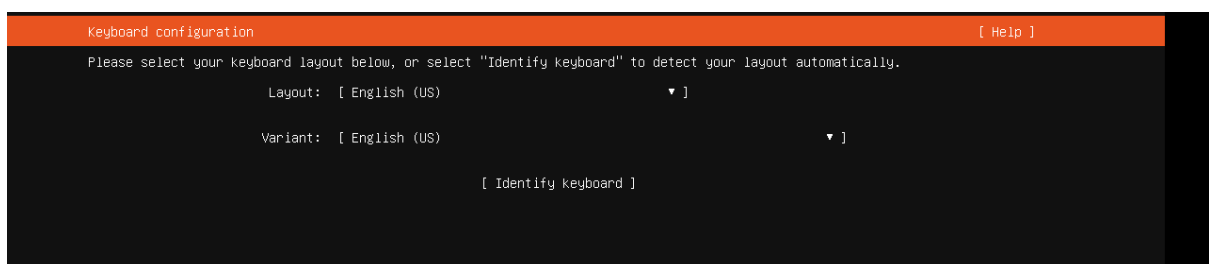
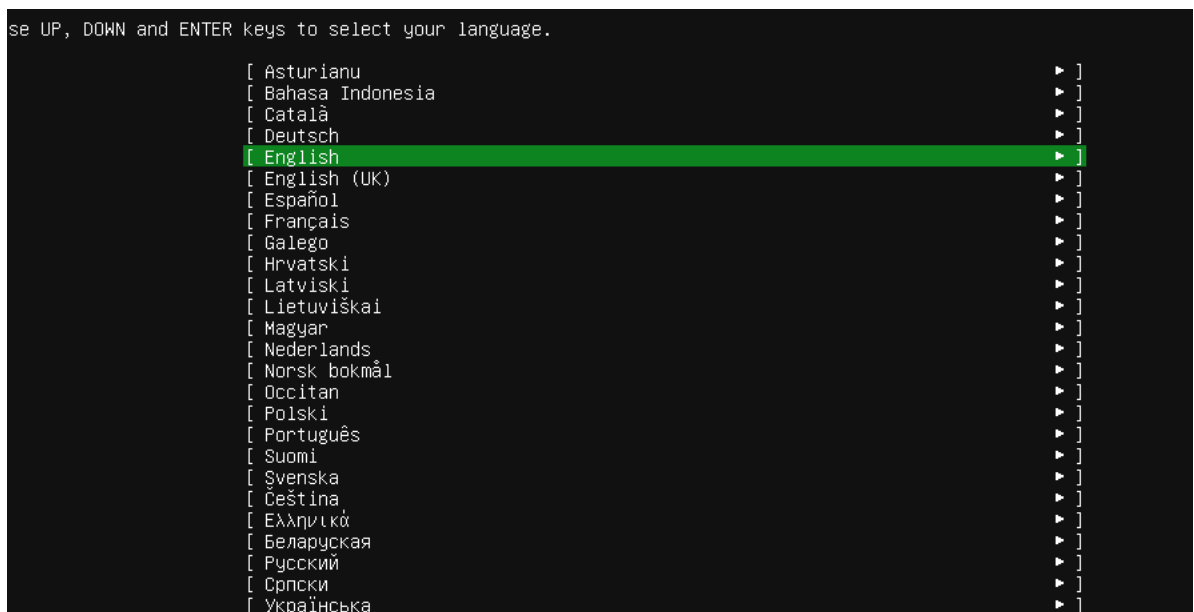
Click on finish



Using keyboard, Enter on Install ubuntu server



Select the language and press enter



Press enter

Choose the type of installation

[Help]

Choose the base for the installation.

(X) Ubuntu Server

The default install contains a curated set of packages that provide a comfortable experience for operating your server.

() Ubuntu Server (minimized)

This version has been customized to have a small runtime footprint in environments where humans are not expected to log in.

Additional options

[] Search for third-party drivers

This software is subject to license terms included with its documentation. Some is proprietary. Third-party drivers should not be installed on systems that will be used for FIPS or the real-time kernel.

Default ip range, press enter

Network configuration

[Help]

Configure at least one interface this server can use to talk to other machines, and which preferably provides sufficient access for updates.

NAME	TYPE	NOTES
[ens33	eth	-
DhcpV4 192.168.111.131/24		
00:0c:29:f3:e6:46 / Intel Corporation / 82545EM Gigabit Ethernet Controller (Copper) (PRQ/1000 MT Single Port Adapter)		

[Create bond ▶]

No proxy

Proxy configuration

[Help]

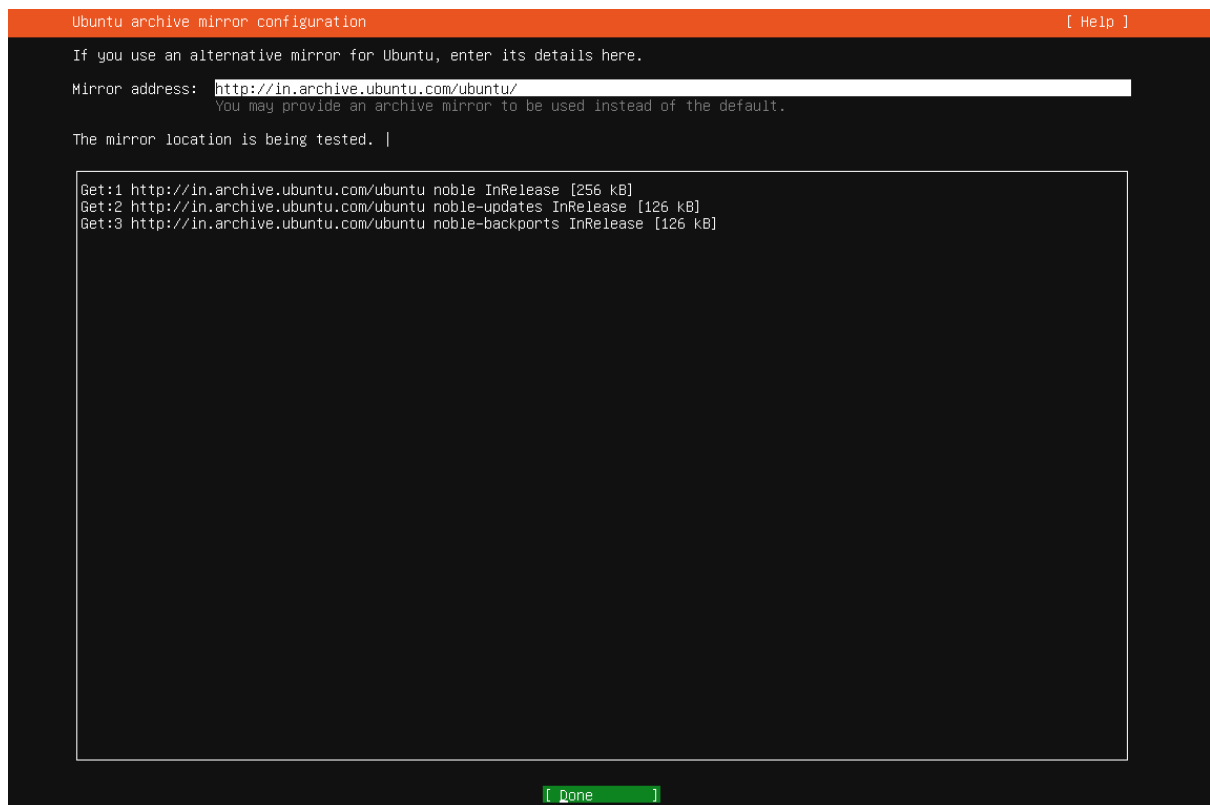
If this system requires a proxy to connect to the Internet, enter its details here.

Proxy address:

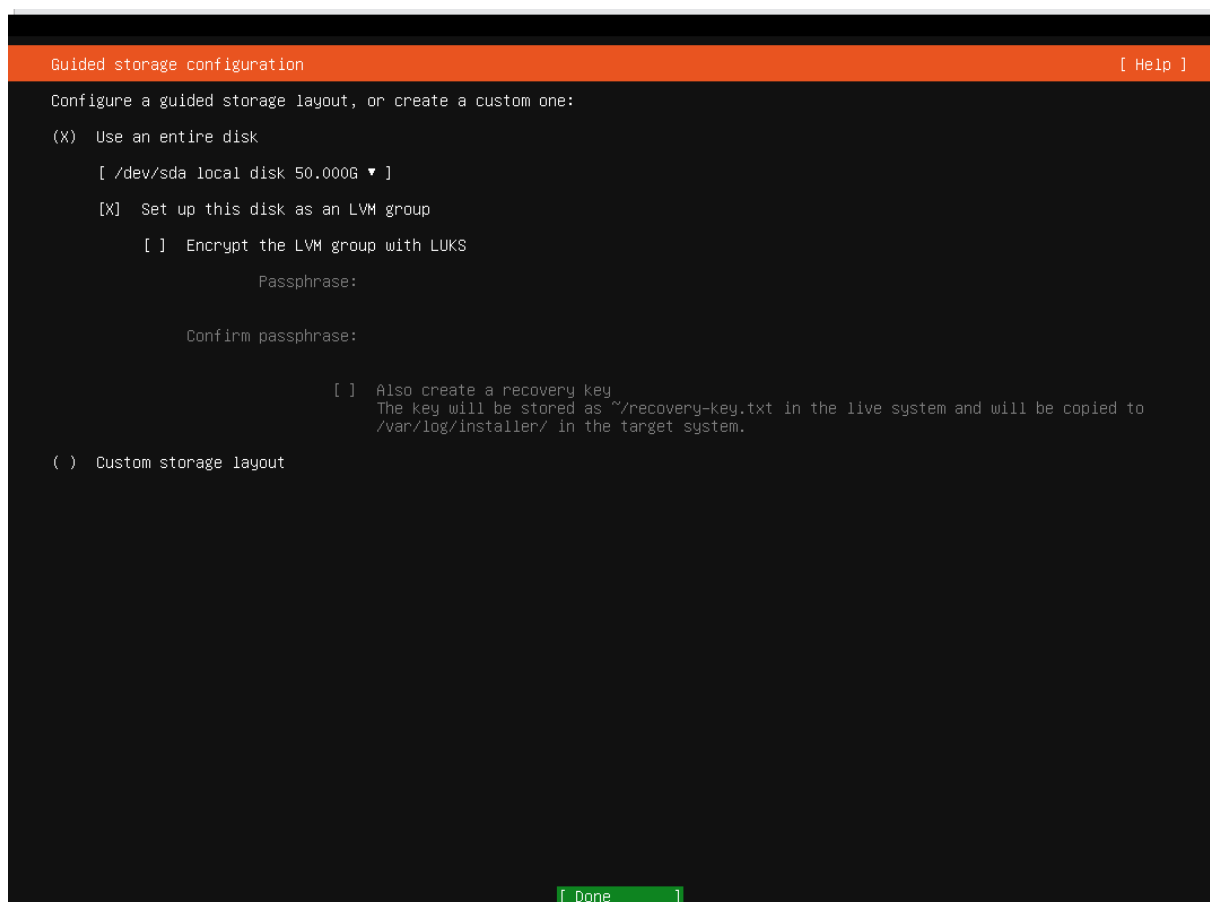
If you need to use a HTTP proxy to access the outside world, enter the proxy information here. Otherwise, leave this blank.

The proxy information should be given in the standard form of "http://[user][:pass@]host[:port]/".

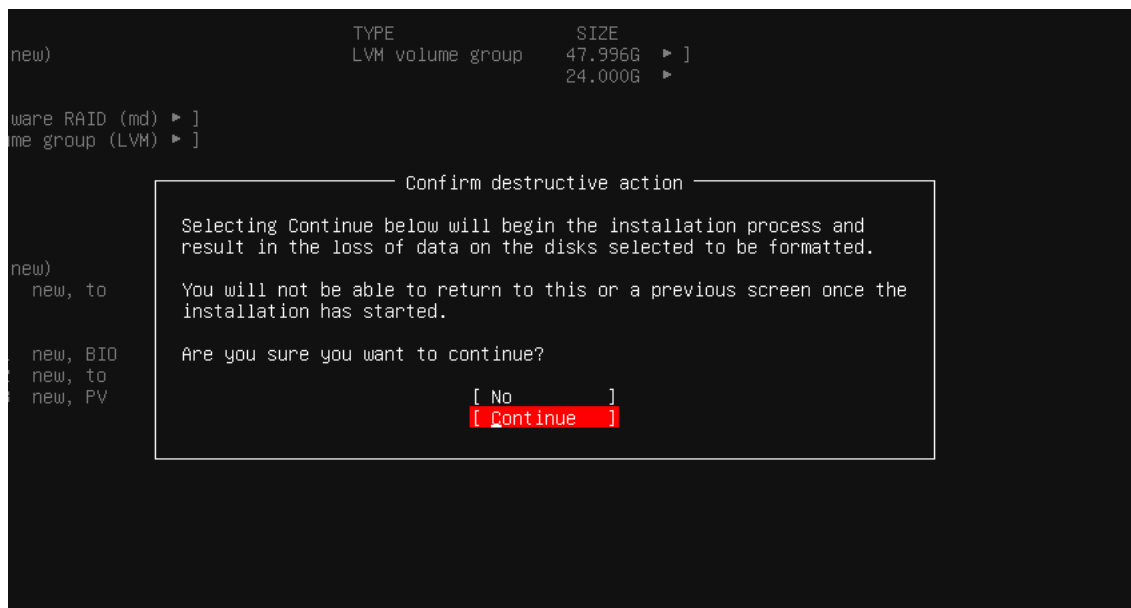
Press Enter



Using Tab to done, and press Enter



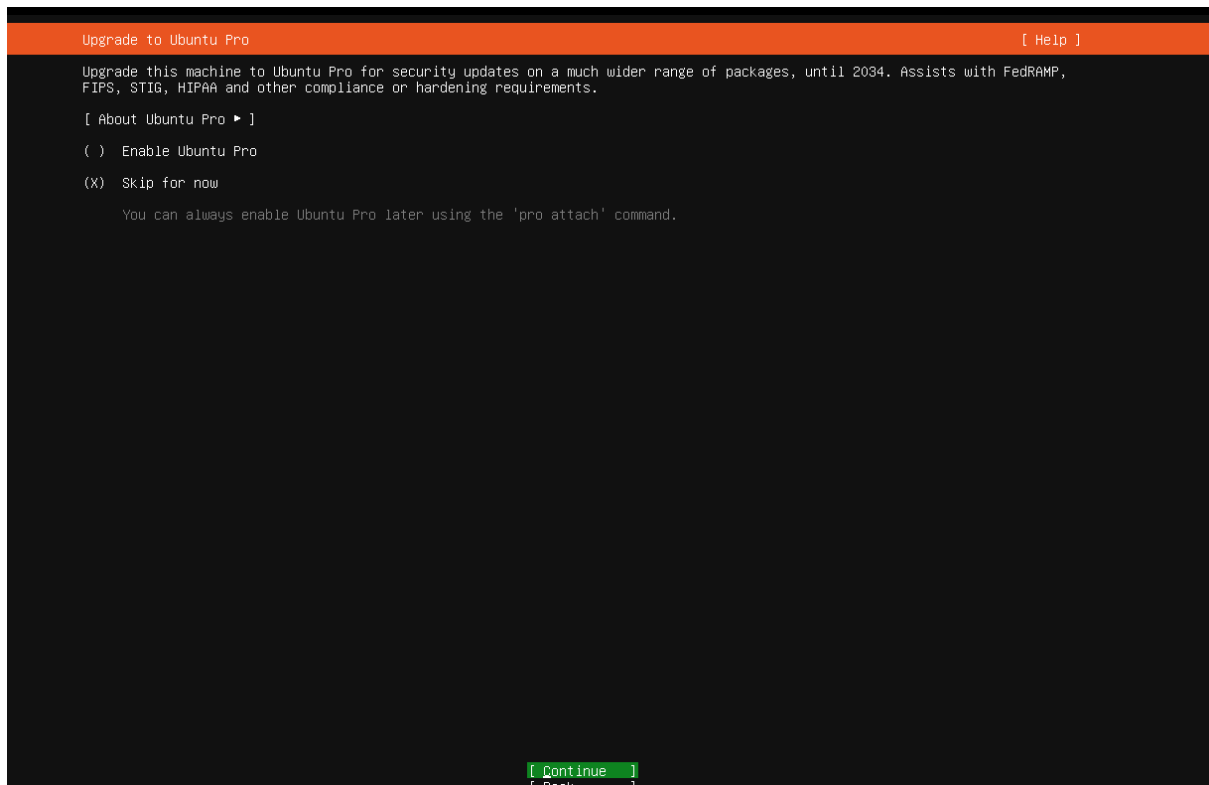
Enter on Continue



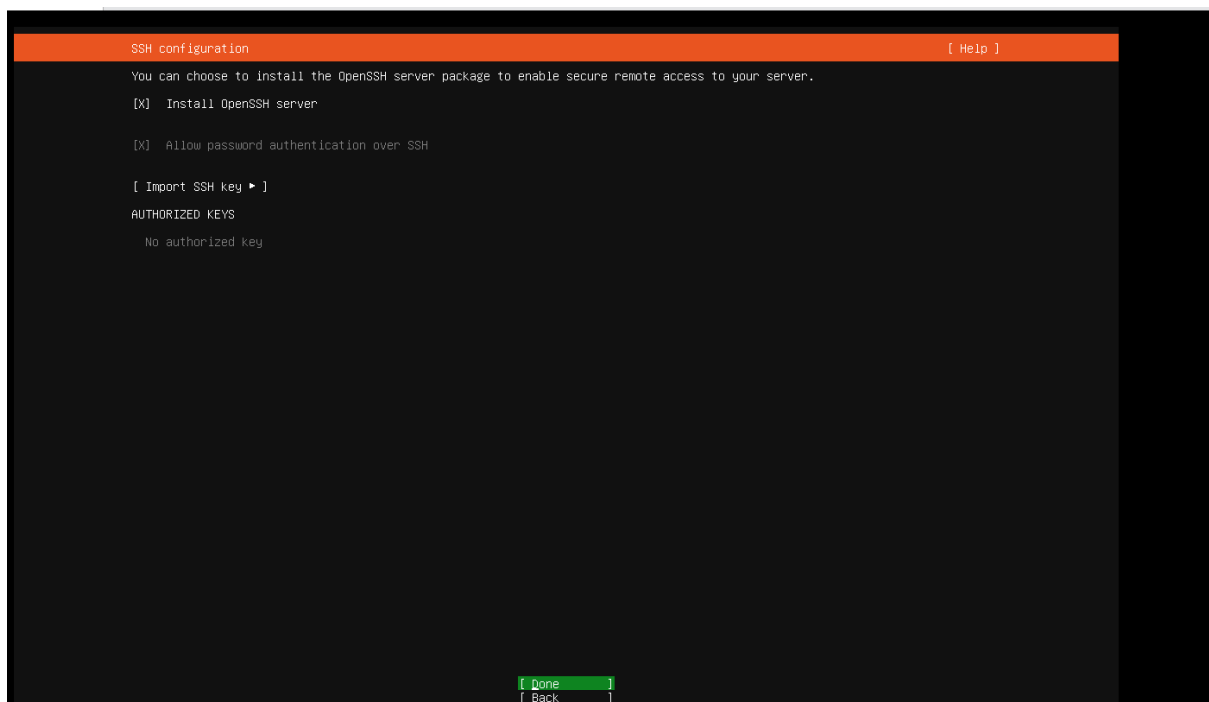
Fill the profile detail and using tab go to done, and press Enter



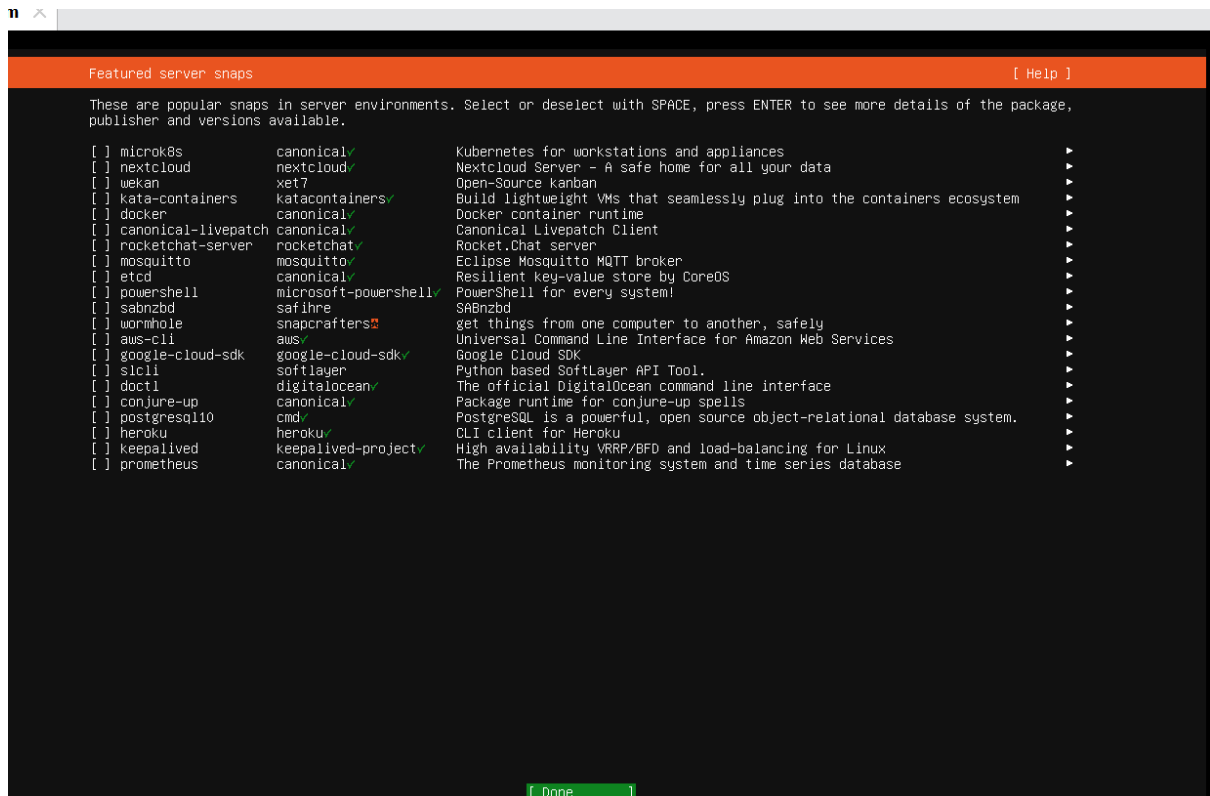
Press enter



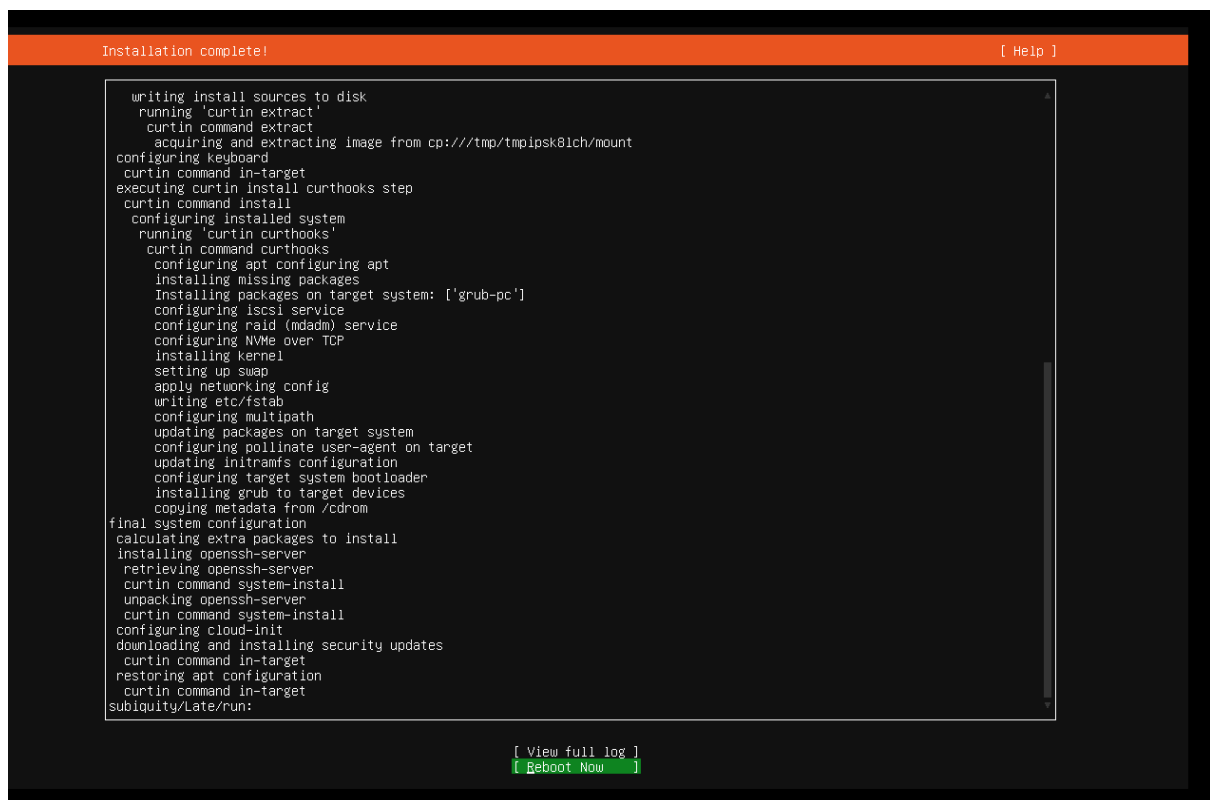
Using Space bar , select insall openssh , press tab and Enter on done



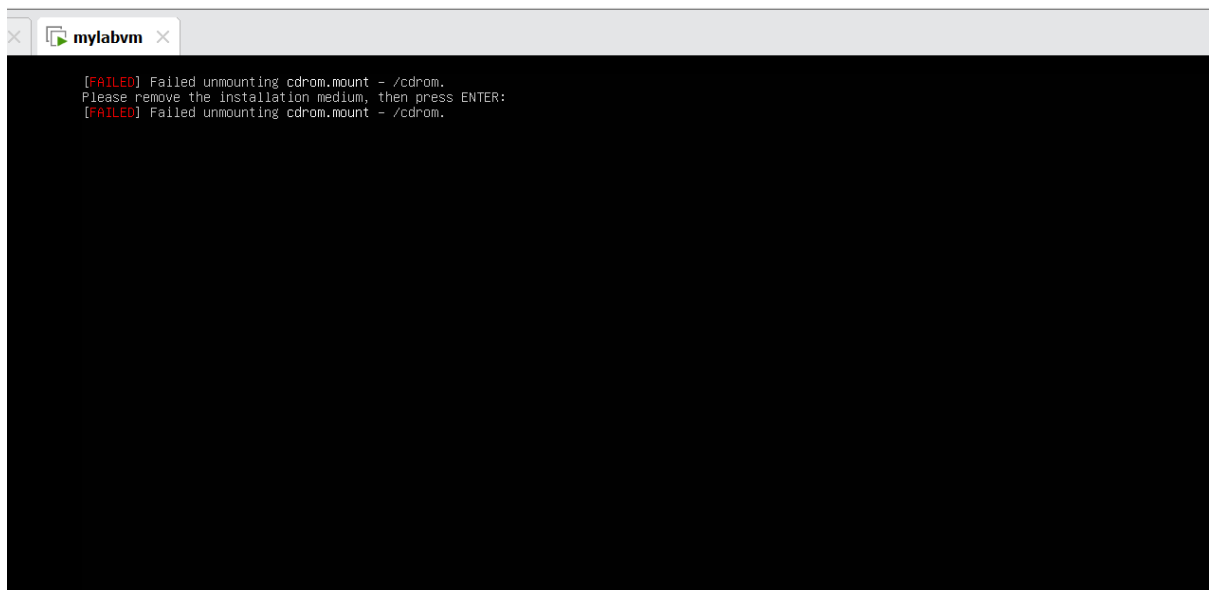
No need to select any module, press tab and enter on done



Once Installation is finished, press tab and enter on reboot now

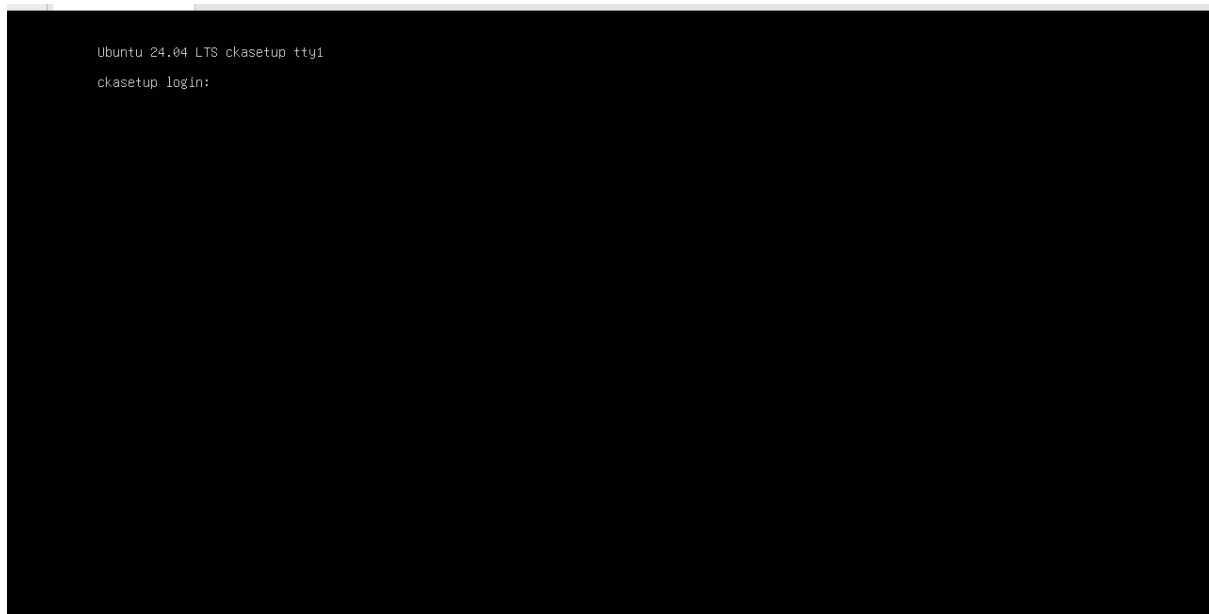


Press Enter

A terminal window titled 'mylabvm' with a black background. It displays two lines of red text: '[FAILED] Failed unmounting cdrom.mount - /cdrom.' followed by 'Please remove the installation medium, then press ENTER:' and another identical red line. The rest of the terminal is empty.

```
mylabvm x
[FAILED] Failed unmounting cdrom.mount - /cdrom.
Please remove the installation medium, then press ENTER:
[FAILED] Failed unmounting cdrom.mount - /cdrom.
```

Once system is booted, login with your user

A terminal window with a black background. It shows the text 'Ubuntu 24.04 LTS ckasetup tty1' followed by a login prompt 'ckasetup login:'. The rest of the terminal is empty.

```
Ubuntu 24.04 LTS ckasetup tty1
ckasetup login:
```

Note down the ip address

Welcome to Ubuntu 24.04 LTS (amd64/Linux 5.15.0-46-generic x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/pro>

System information as of Mon Aug 12 05:48:48 AM UTC 2024

System load:	0.13	Processes:	245
Usage of /:	25.5% of 23.45GB	Users logged in:	0
Memory usage:	7%	IPv4 address for ens33:	192.168.111.131
Swap usage:	0%		

Expanded Security Maintenance for Applications is not enabled.

44 updates can be applied immediately.
To see these additional updates run: `apt list --upgradable`

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: `sudo pro status`

The programs included with the Ubuntu system are free software;
the copyright holder's terms for such programs are described in the