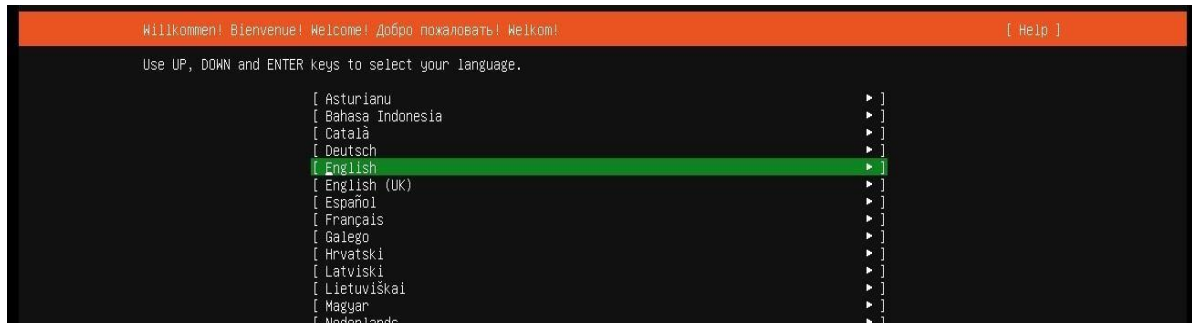


CLASS: BSE-5B

- Once the VM is created, click Power on this virtual machine.
- The Ubuntu Server installer will boot using the ISO file.

Choose your prefer language:

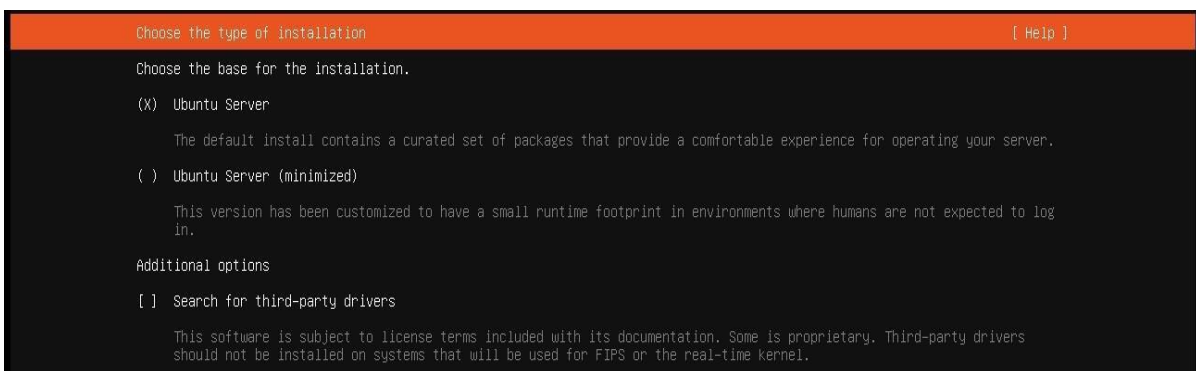


Choose the correct keyboard layout:

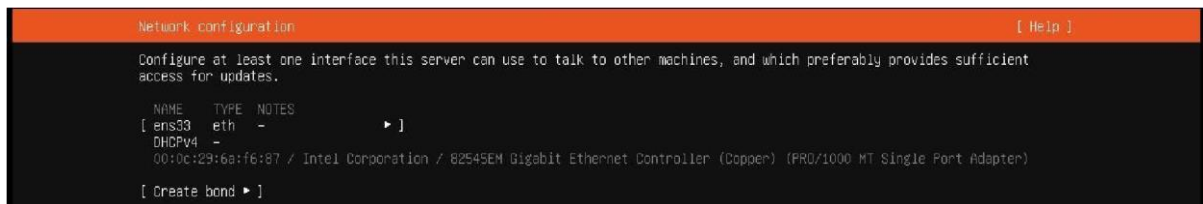


Choose your install:

- When choosing, scroll down using the arrow keys and select with the spacebar. When an (x) appears inside the [] brackets, it means that option is selected.



Networking:



Configure proxy:



Configure ubuntu archive mirror:

Ubuntu archive mirror configuration
[Help]

If you use an alternative mirror for Ubuntu, enter its details here.

Mirror address:

You may provide an archive mirror to be used instead of the default.

This mirror location passed tests.

```

Hit:1 http://pk.archive.ubuntu.com/ubuntu noble InRelease
Hit:2 http://pk.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:3 http://pk.archive.ubuntu.com/ubuntu noble-backports InRelease
Reading package lists...

```

Configure storage guide:

Guided storage configuration
[Help]

Configure a guided storage layout, or create a custom one:

☒ Use an entire disk

[/dev/sda local disk 25.00GB ▼]

☒ Set up this disk as an LVM group

[] Encrypt the LVM group with LUKS

Passphrase:

Confirm passphrase:

[] Also create a recovery key
The key will be stored as ~/recovery-key.txt in the live system and will be copied to /var/log/installer/ in the target system.

☐ Custom storage layout

Storage Configuration:

Storage configuration
[Help]

FILE SYSTEM SUMMARY

MOUNT POINT	SIZE	TYPE	DEVICE	TYPE
[/	11.49GB	new ext4	new LVM Logical Volume	▶]
[/boot	2.00GB	new ext4	new partition of local disk	▶]

AVAILABLE DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	22.99GB ▶]
free space		11.50GB ▶]

[Create software RAID (md) ▶]

[Create volume group (LVM) ▶]

USED DEVICES

DEVICE	TYPE	SIZE
[ubuntu-vg (new)	LVM volume group	22.99GB ▶]
ubuntu-iv	new, to be formatted as ext4, mounted at /	11.49GB ▶]
[/dev/sda	local disk	25.00GB ▶]
partition 1	new, BIOS grub spacer	1.00GB ▶]
partition 2	new, to be formatted as ext4, mounted at /boot	2.00GB ▶]
partition 3	new, PV of LVM volume group ubuntu-vg	22.99GB ▶]

Confirm destructive action

Selecting Continue below will begin the installation process and result in the loss of data on the disks selected to be formatted.

You will not be able to return to this or a previous screen once the installation has started.

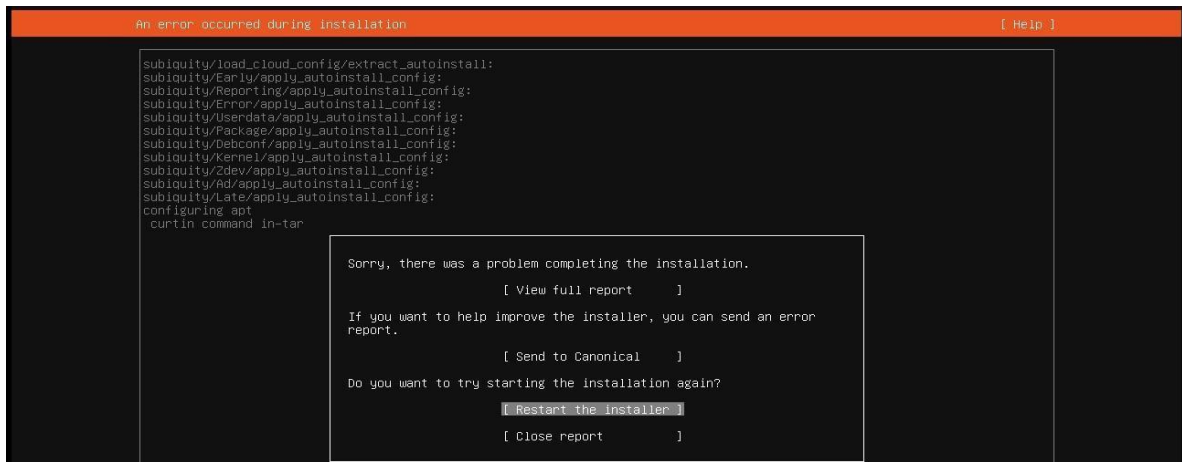
Are you sure you want to continue?

[No]

[Continue]

Set up a profile:

Error



This usually means the installer (subiquity with curtin) had trouble during the **APT package configuration step**. Common causes are:

1. You did not check the '**Unblock**' security option in the properties of the Ubuntu Server file.
2. **No internet connection** (APT cannot fetch required packages).
3. **Bad mirror or repo unreachable** (network timeout or blocked domain).
4. **Corrupted ISO** (installer cannot unpack packages).
5. **Insufficient disk space or partitioning issue**.

Virtual machine misconfiguration (if using VMware, VirtualBox, Hyper-V, etc. – sometimes storage controllers cause problems).

Check these problems one by one, and after solving each problem, start again from Step 4 (Start the virtual machine).

Set up a profile:

Profile configuration [Help]

Enter the username and password you will use to log in to the system. You can configure SSH access on a later screen, but a password is still needed for sudo.

Your name: sadafriaz

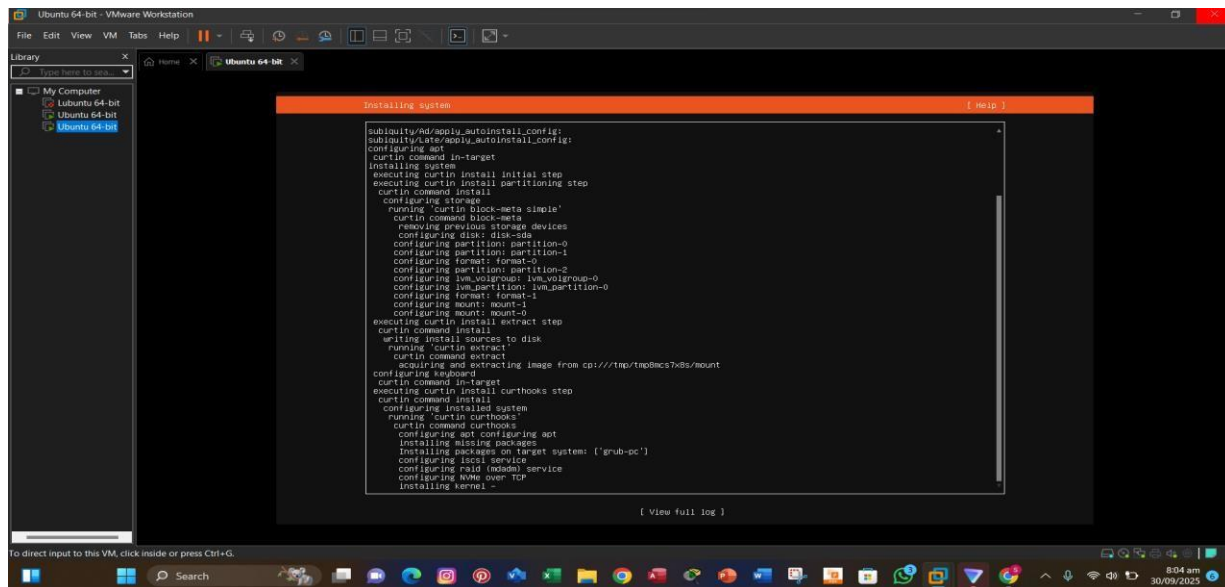
Your servers name: 2023-bse-077
The name it uses when it talks to other computers.

Pick a username: sadafriaz_

Choose a password: *****

Confirm your password: *****

Installation Complete:



Ubuntu Login:

```
2023-bse-077 login: sadafriaz
Password:

Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.8.0-71-generic x86_64)

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

System information as of Tue Sep 30 04:25:46 PM UTC 2025

   System load: 0.0                Memory usage: 12%   Processes:      209
   Usage of /:  43.5% of 9.75GB    Swap usage:   0%   Users logged in: 0

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

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 exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

sadafriaz@2023-bse-077:~$
sadafriaz@2023-bse-077:~$ _
```

Connect via SSH from Windows

```
C:\Users\Lenovo>
C:\Users\Lenovo>ssh sadafriaz@192.168.64.128
The authenticity of host '192.168.64.128 (192.168.64.128)' can't be established.
ECDSA key fingerprint is SHA256:gg8DFMpjIYiy0LD5UCv1l2KNwBeMFdRyf005+P/qqCA.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.64.128' (ECDSA) to the list of known hosts.
sadafriaz@192.168.64.128's password:
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.8.0-86-generic x86_64)

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

System information as of Fri Oct 24 10:42:38 AM UTC 2025

   System load:  0.01                Processes:      215
   Usage of /:   49.3% of 9.75GB     Users logged in: 1
   Memory usage: 14%                IPv4 address for ens33: 192.168.64.128
   Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

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

sadafriaz@2023-bse-077:~$
```