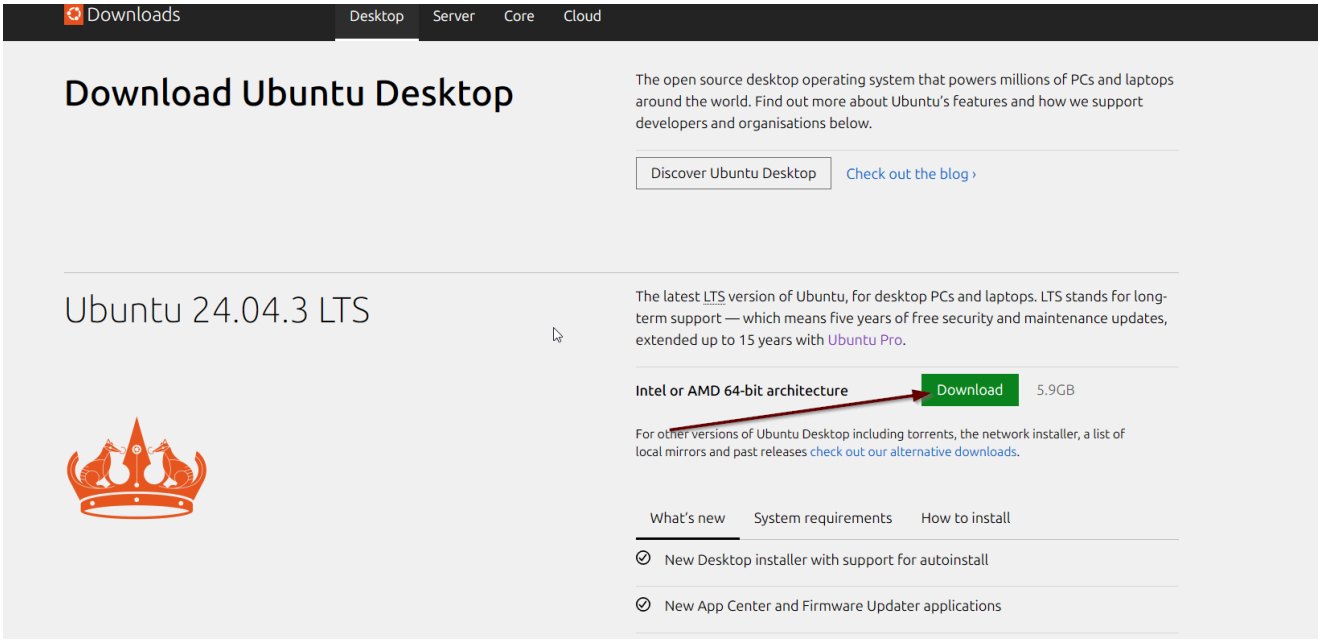
1 Installing Ubuntu Desktop (Dual Boot with Windows)

In this section, we will install **Ubuntu Desktop** using a **bootable USB drive** and set it up alongside Windows (dual boot).

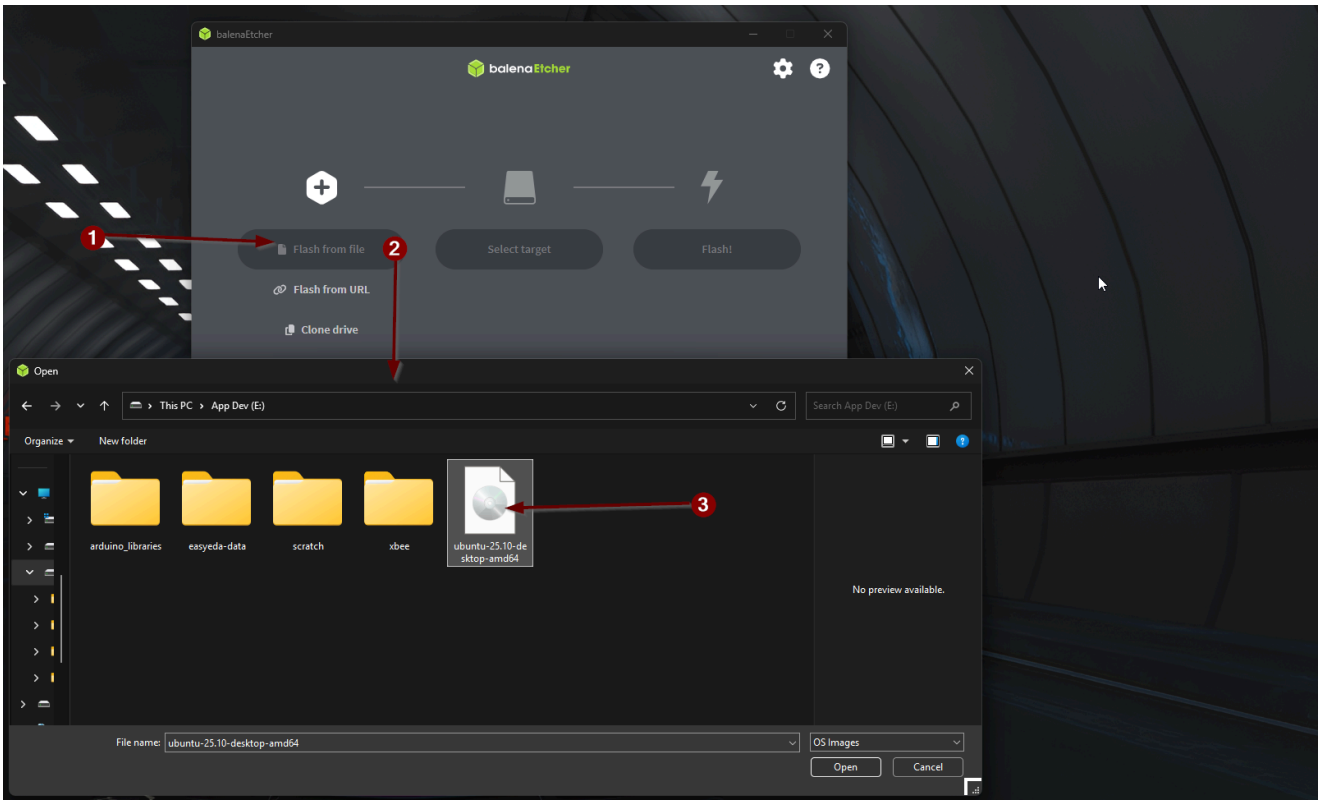
Step 1: Download Ubuntu



Go to the official Ubuntu website:
https://ubuntu.com/download/desktop

Download the **Ubuntu Desktop ISO**.

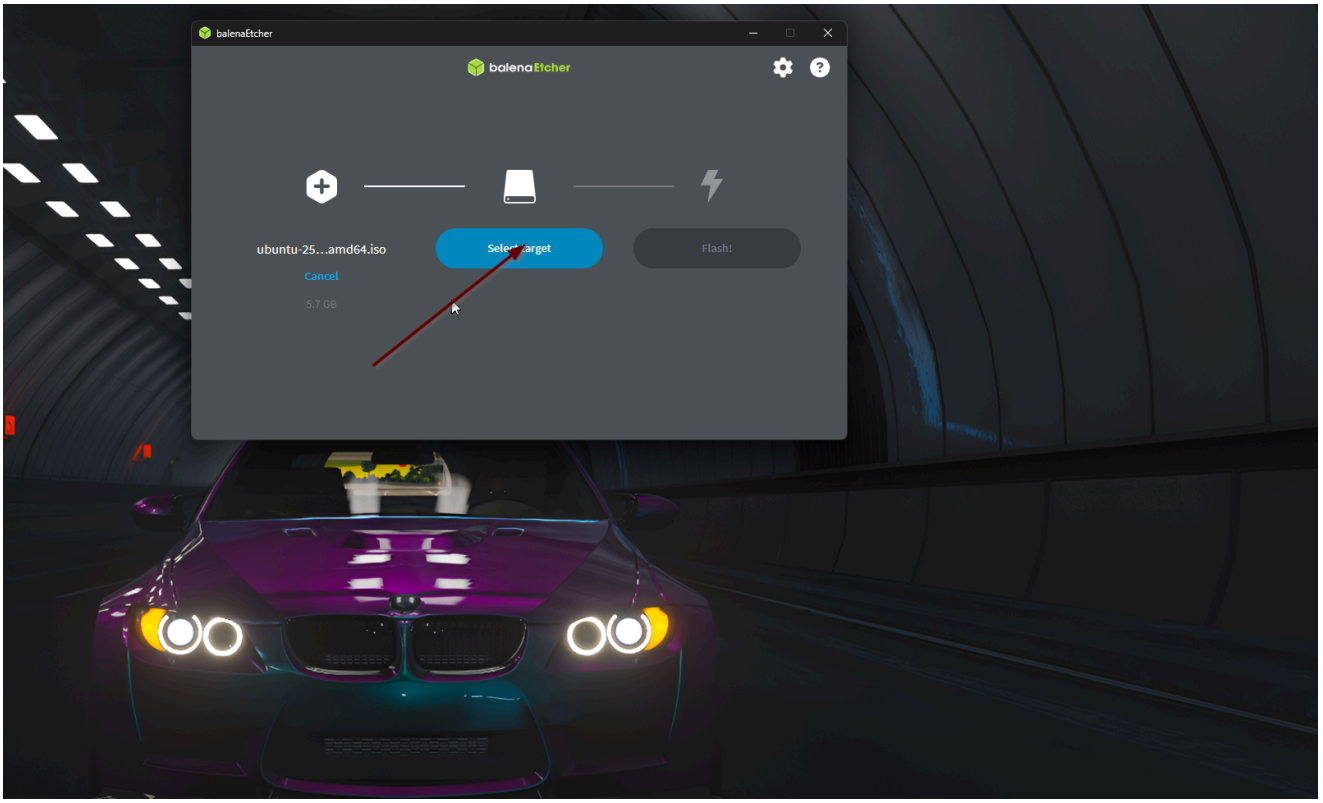
Step 2: Download Balena Etcher



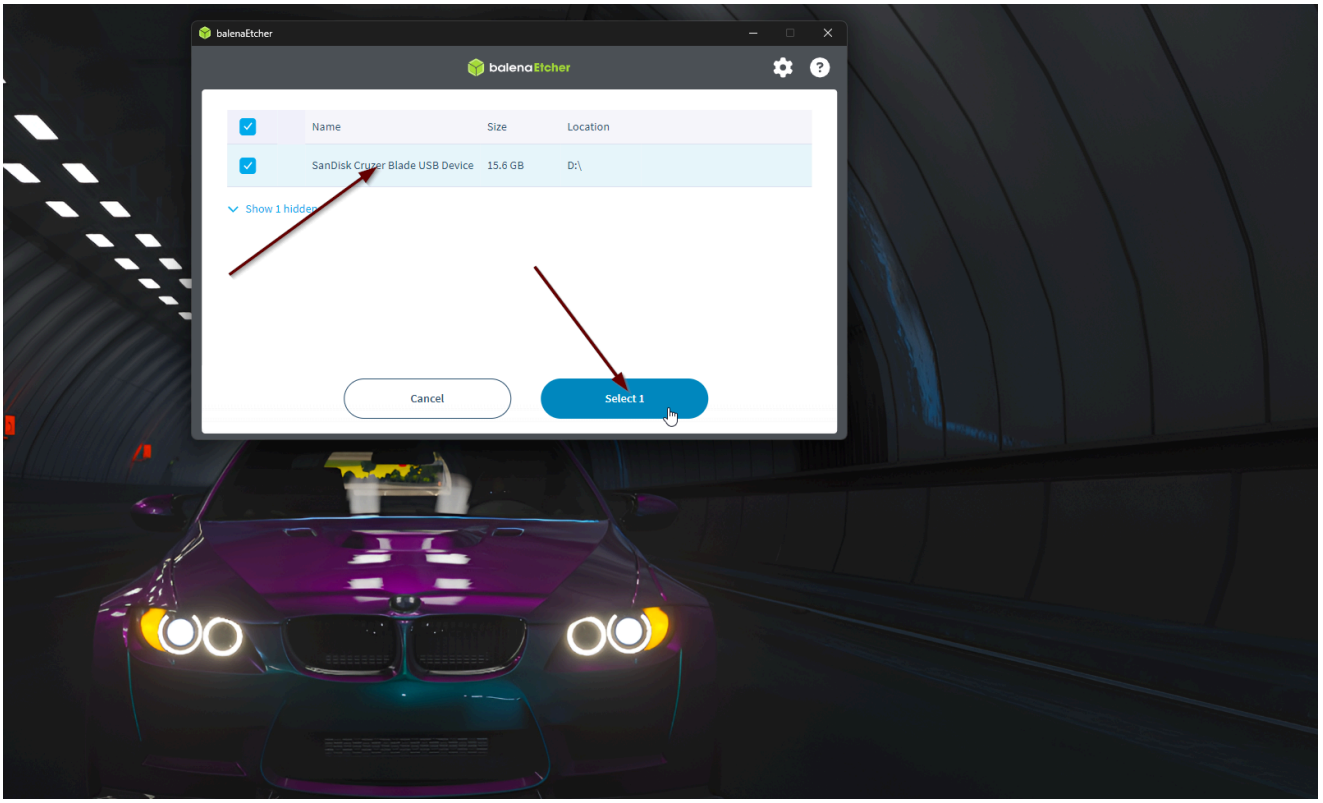
Go to:
https://etcher.balena.io/

Download **Balena Etcher**.
Open it and choose **Flash from file**, then select the Ubuntu ISO you downloaded.

Step 3: Select Target Drive

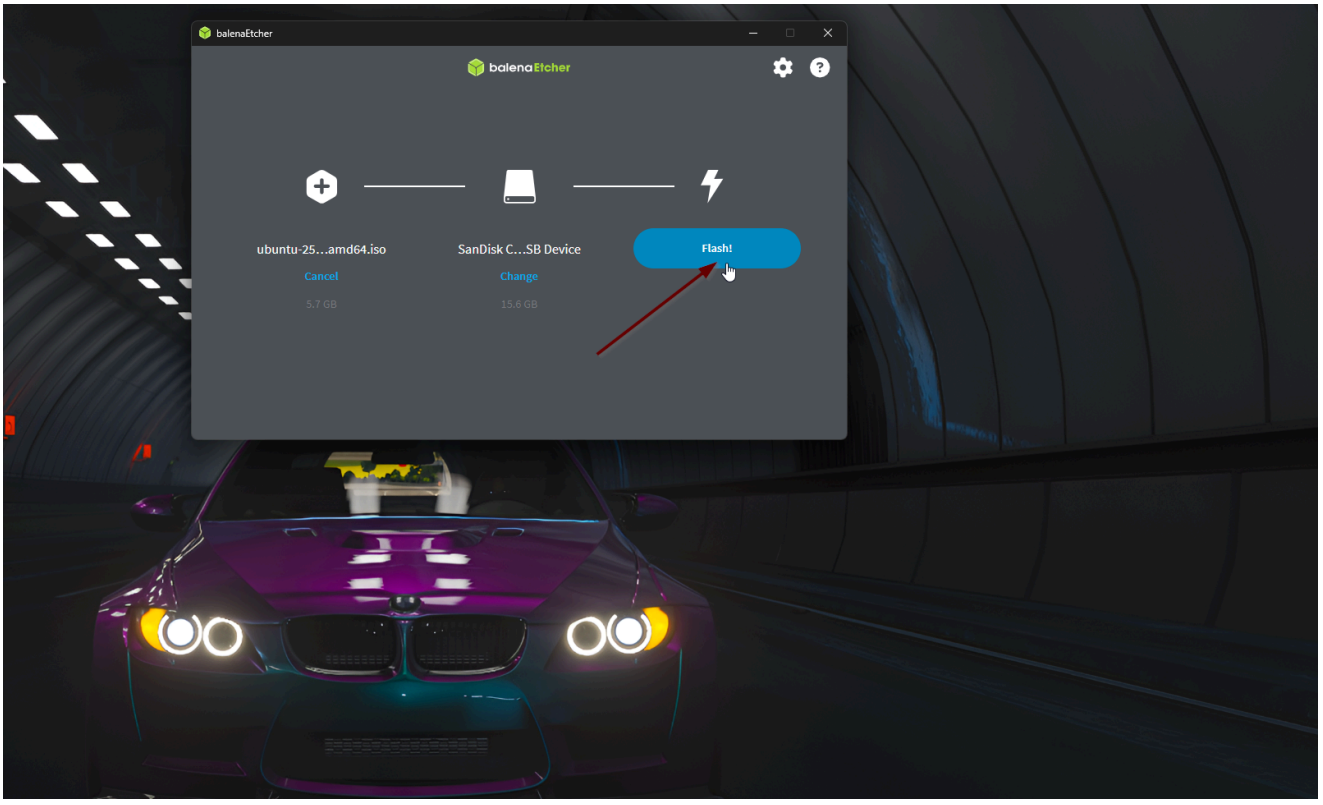


Click on **Select target**.



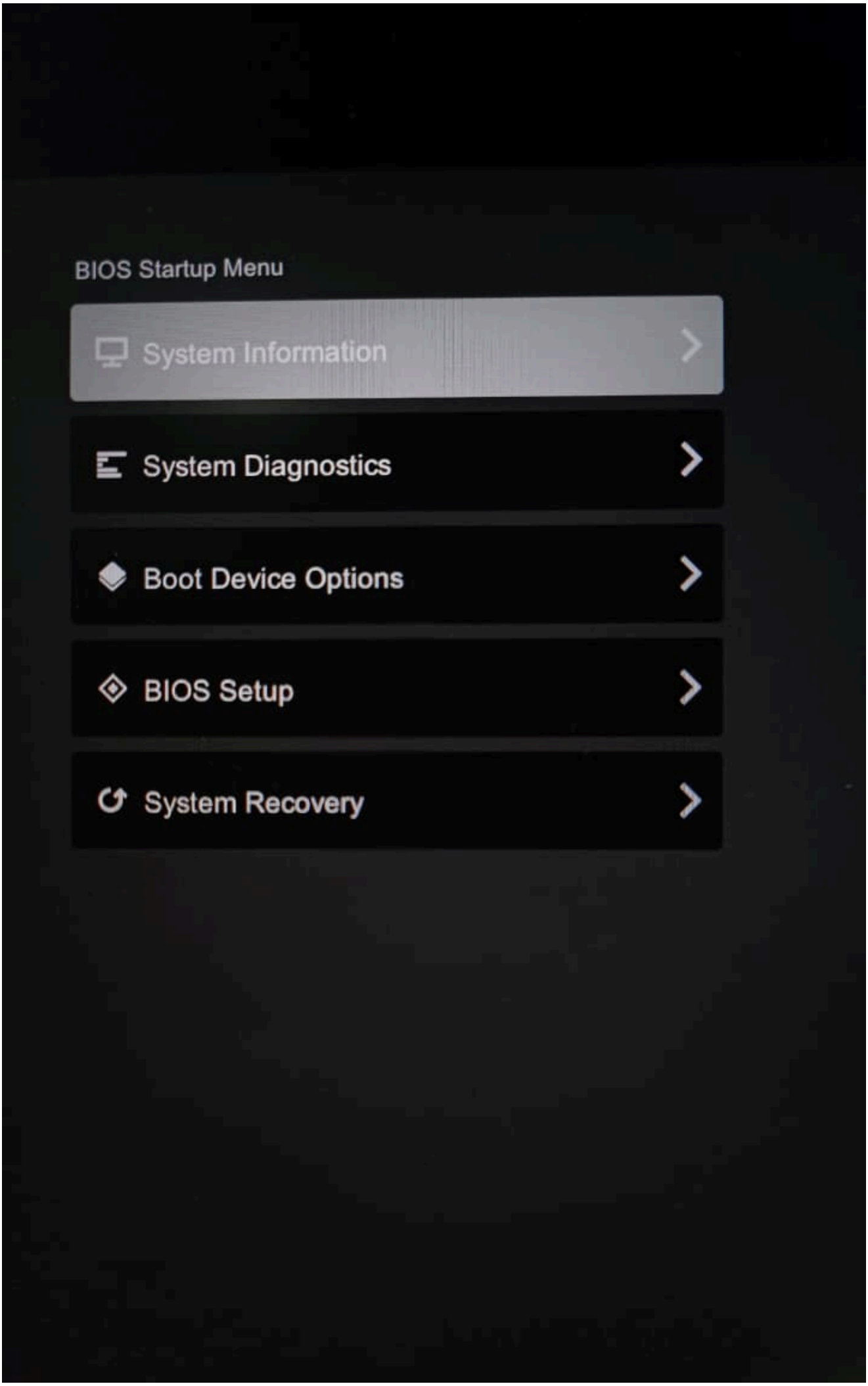
Choose your **formatted pendrive**.

Step 4: Flash Ubuntu to Pendrive



Click on **Flash** and wait for the process to complete.

Step 5: Open Boot Menu


BIOS Startup Menu
System Information
System Diagnostics
Boot Device Options
BIOS Setup
System Recovery

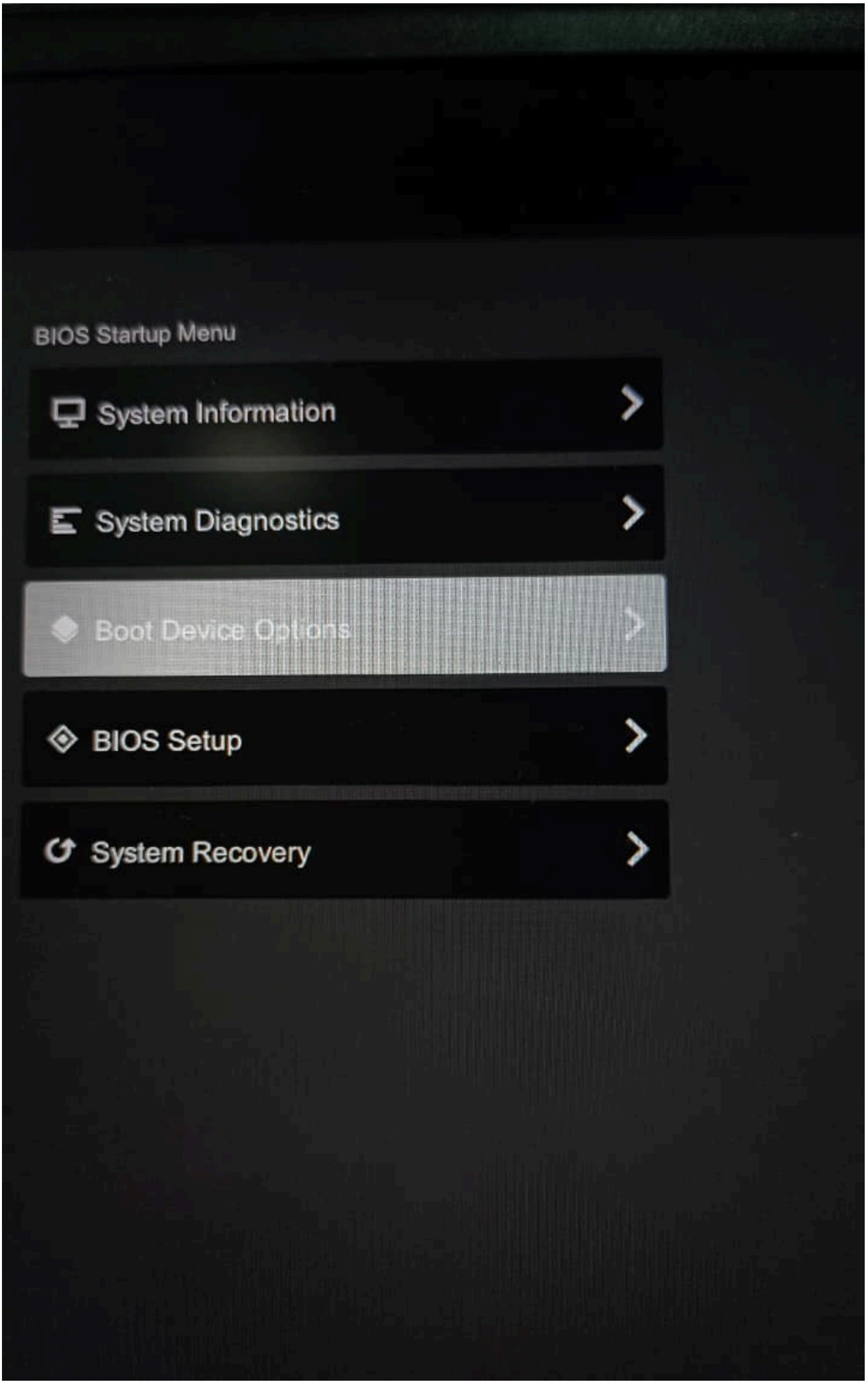


Restart your laptop and open the **Boot / BIOS menu**.
This usually requires pressing:

- **Esc**
- **F2**
- **F10**
- **F12**

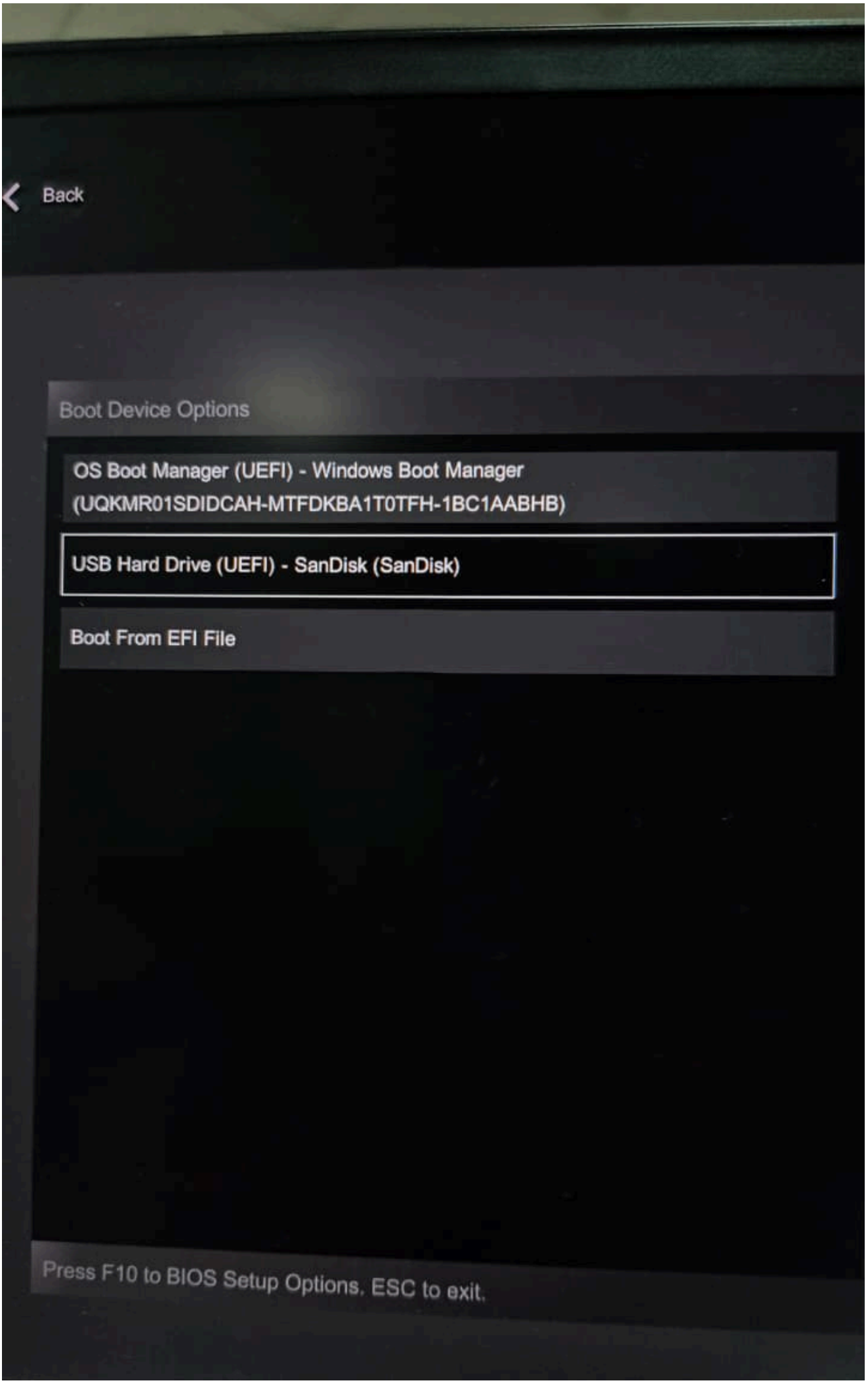
(For this system, the key is **Esc**.)

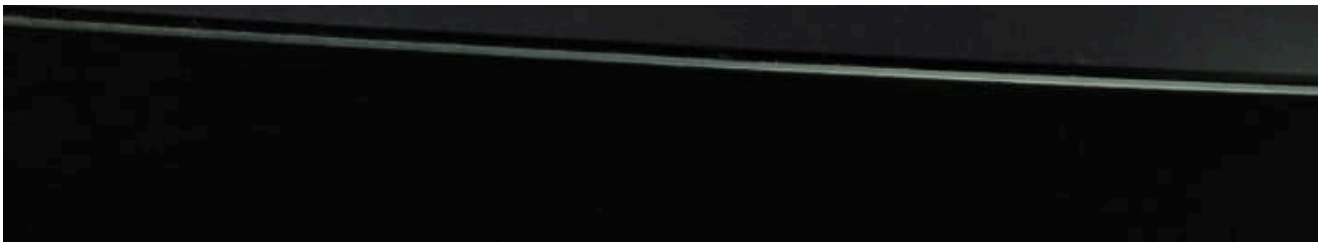
Step 6: Boot Device Options


BIOS Startup Menu
System Information
System Diagnostics
Boot Device Options
BIOS Setup
System Recovery



Go to **Boot Device Options**.


Back
Boot Device Options
OS Boot Manager (UEFI) - Windows Boot Manager
(UQKMR01SDIDCAH-MTFDKBA1T0TFH-1BC1AABHB)
USB Hard Drive (UEFI) - SanDisk (SanDisk)
Boot From EFI File
Press F10 to BIOS Setup Options, ESC to exit.

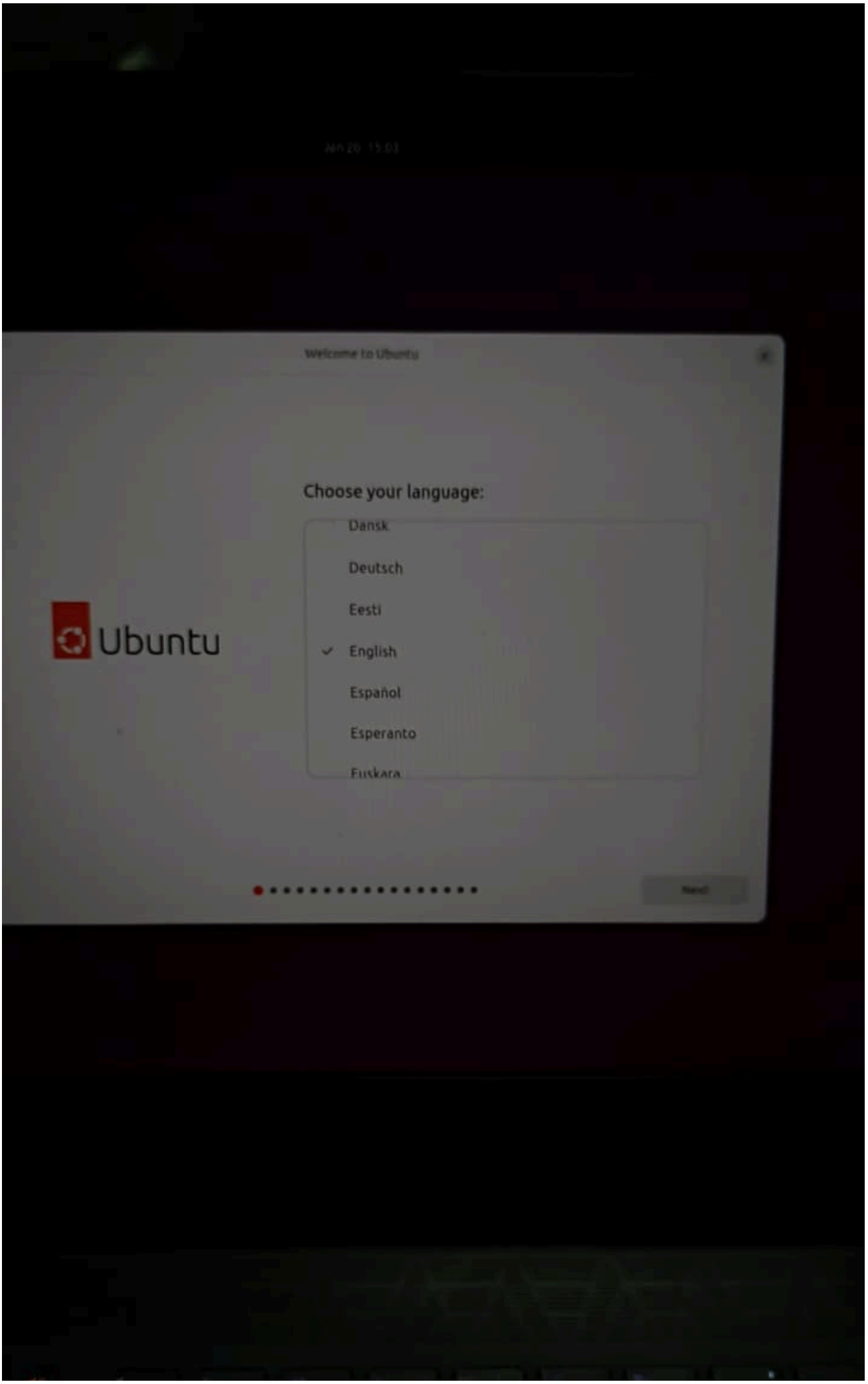


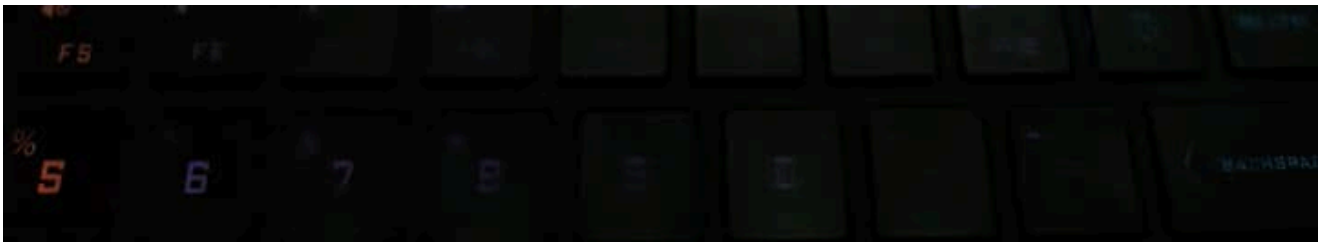
Select your **USB drive** (mine is SanDisk).

Step 7: Start Ubuntu Installer

Choose **Try or Install Ubuntu**.

Step 8: Language Selection


Welcome to Ubuntu
Choose your language:
Dansk
Deutsch
Eesti
English
Español
Esperanto
Euskara
Ubuntu



Select your **language**.

Jan 20 15:03

Accessibility

Accessibility in Ubuntu

Customise Ubuntu to your needs before you set up. You can change them later in System Settings.



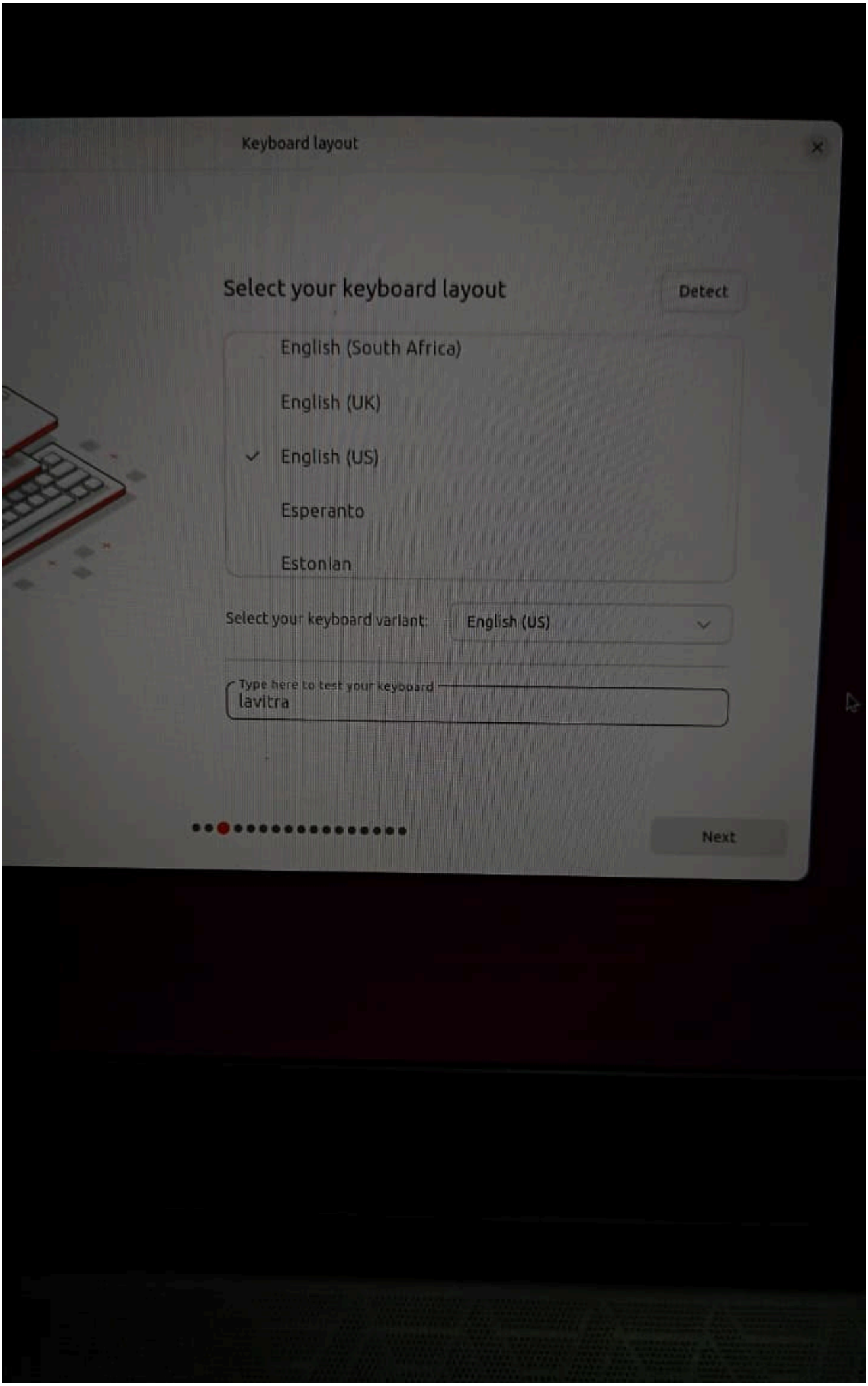
- Seeing
- Hearing
- Typing
- Pointing and clicking
- Zoom

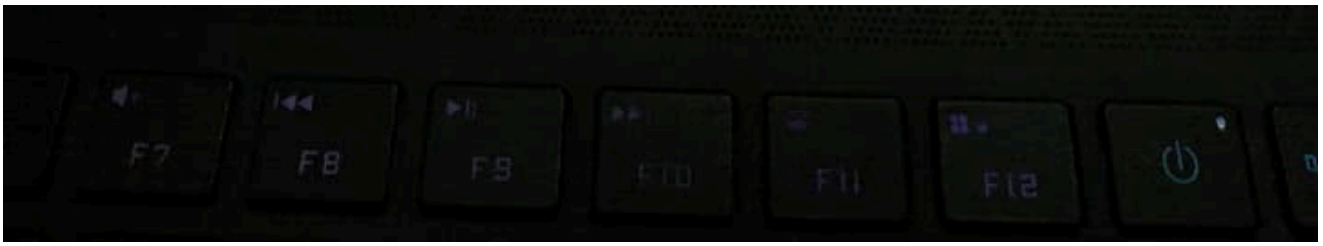
Next



Click **Next**.

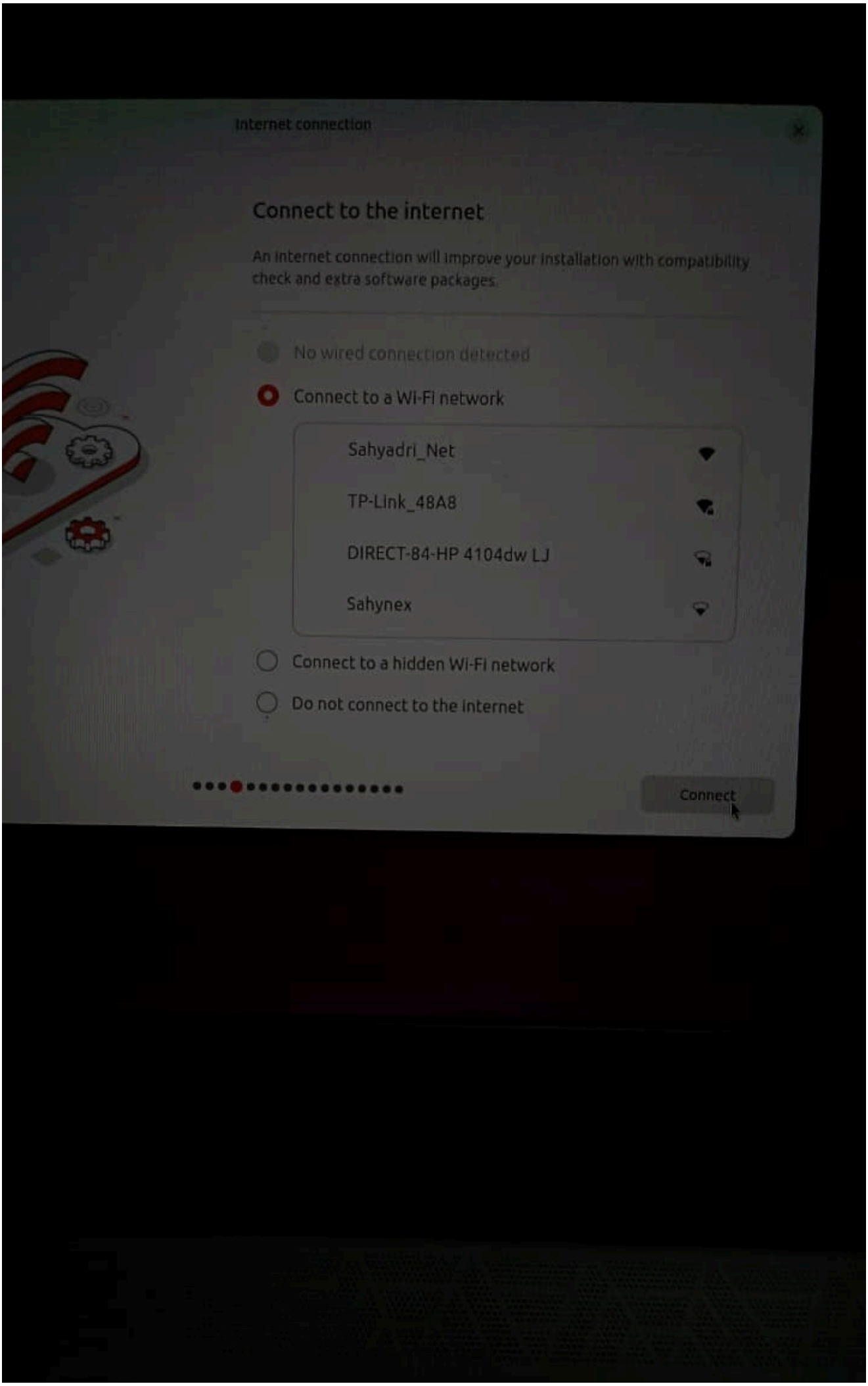
Step 9: Keyboard Layout


Keyboard layout
Select your keyboard layout
Detect
English (South Africa)
English (UK)
English (US)
Esperanto
Estonian
Select your keyboard variant:
English (US)
Type here to test your keyboard
lavitra
Next



Choose your **keyboard type**.

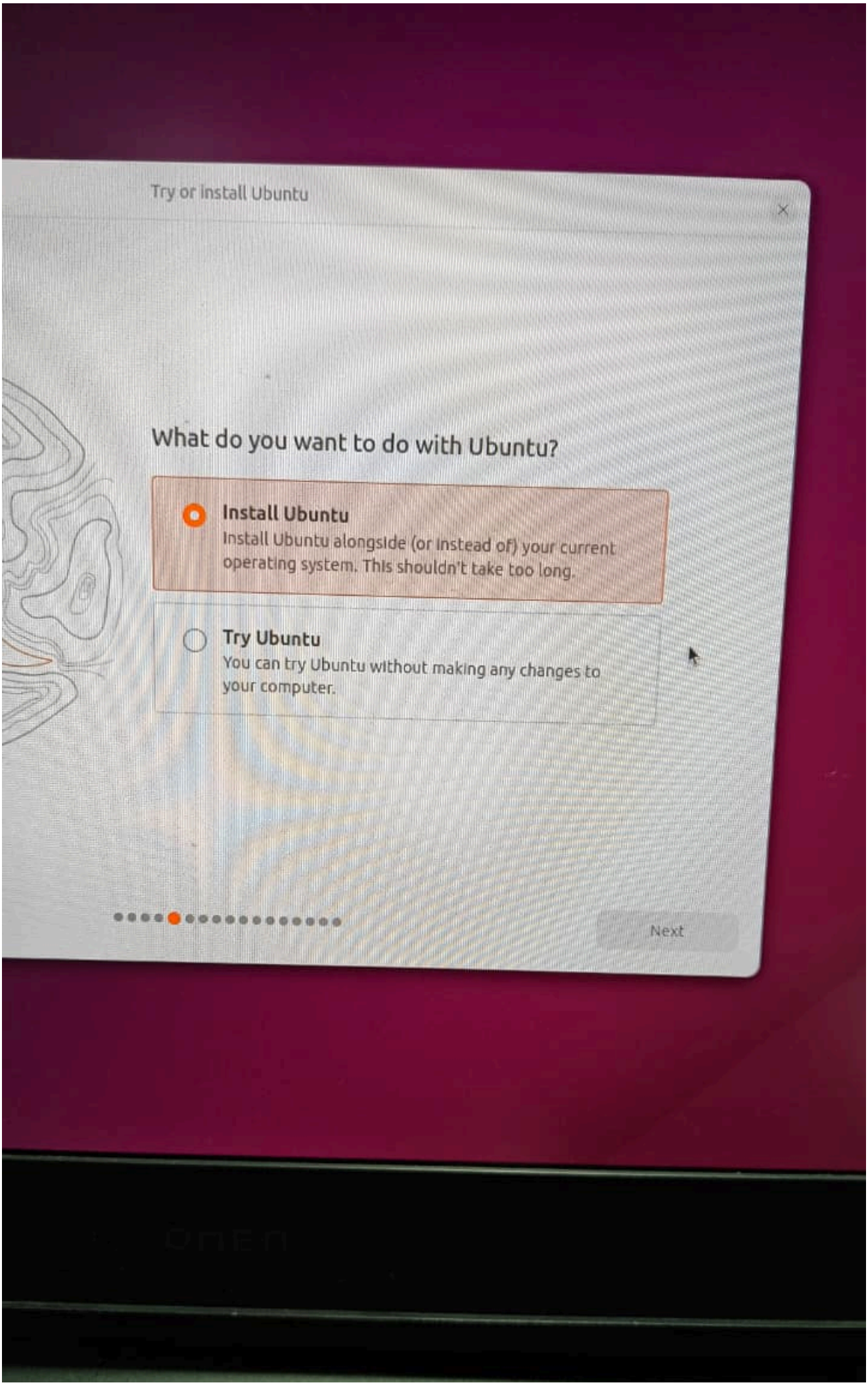
Step 10: Internet Connection

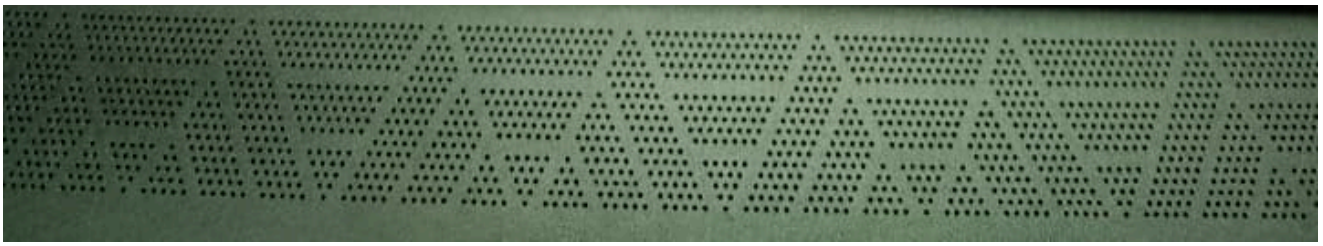

Internet connection
Connect to the internet
An internet connection will improve your installation with compatibility check and extra software packages.
No wired connection detected
Connect to a Wi-Fi network
Sahyadri_Net
TP-Link_48A8
DIRECT-84-HP 4104dw LJ
Sahynex
Connect to a hidden Wi-Fi network
Do not connect to the internet
Connect



Do **not connect to the internet**.
Skipping this makes installation faster.

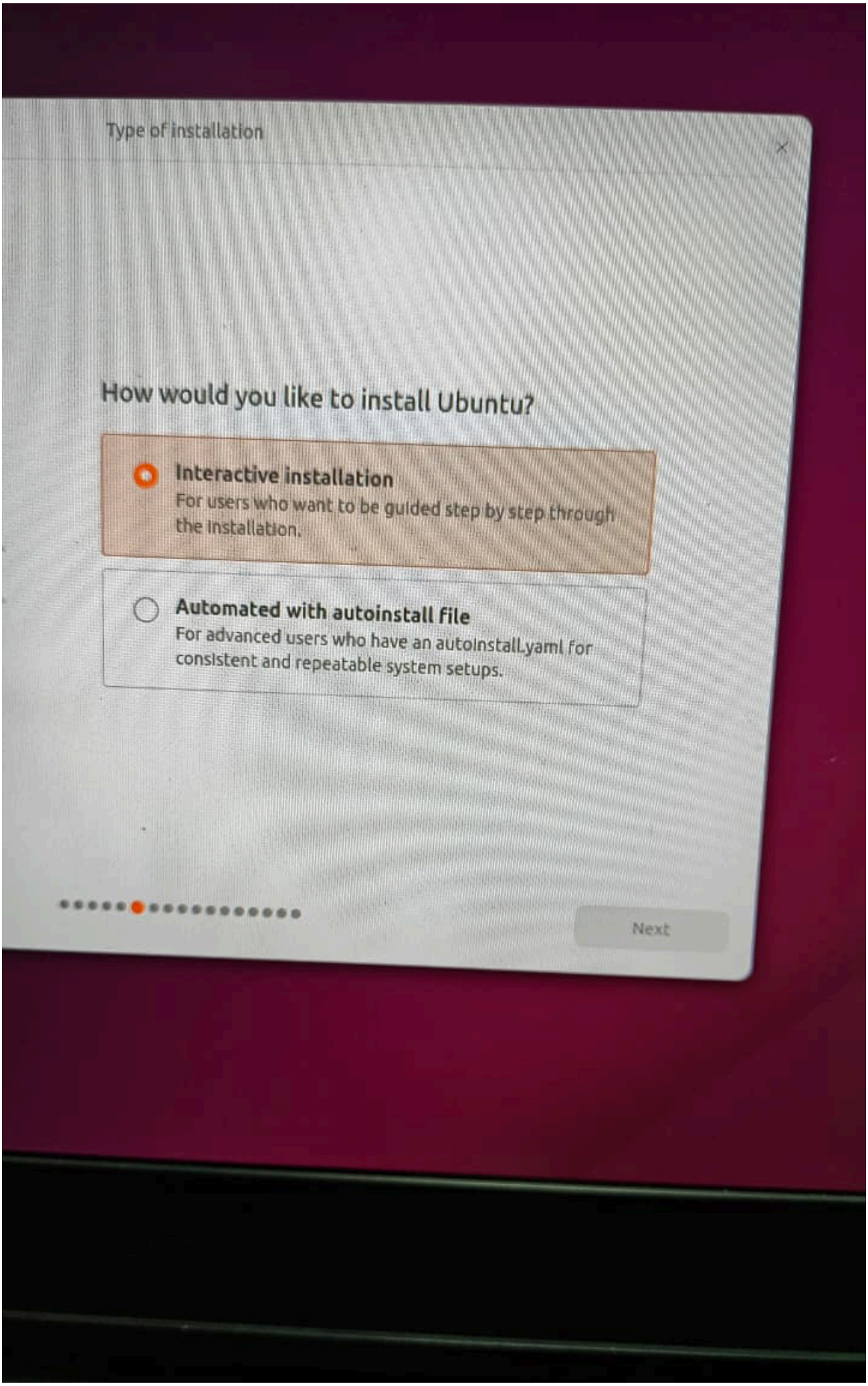
Step 11: Install Ubuntu


Try or Install Ubuntu
What do you want to do with Ubuntu?
Install Ubuntu
Install Ubuntu alongside (or instead of) your current operating system. This shouldn't take too long.
Try Ubuntu
You can try Ubuntu without making any changes to your computer.
Next



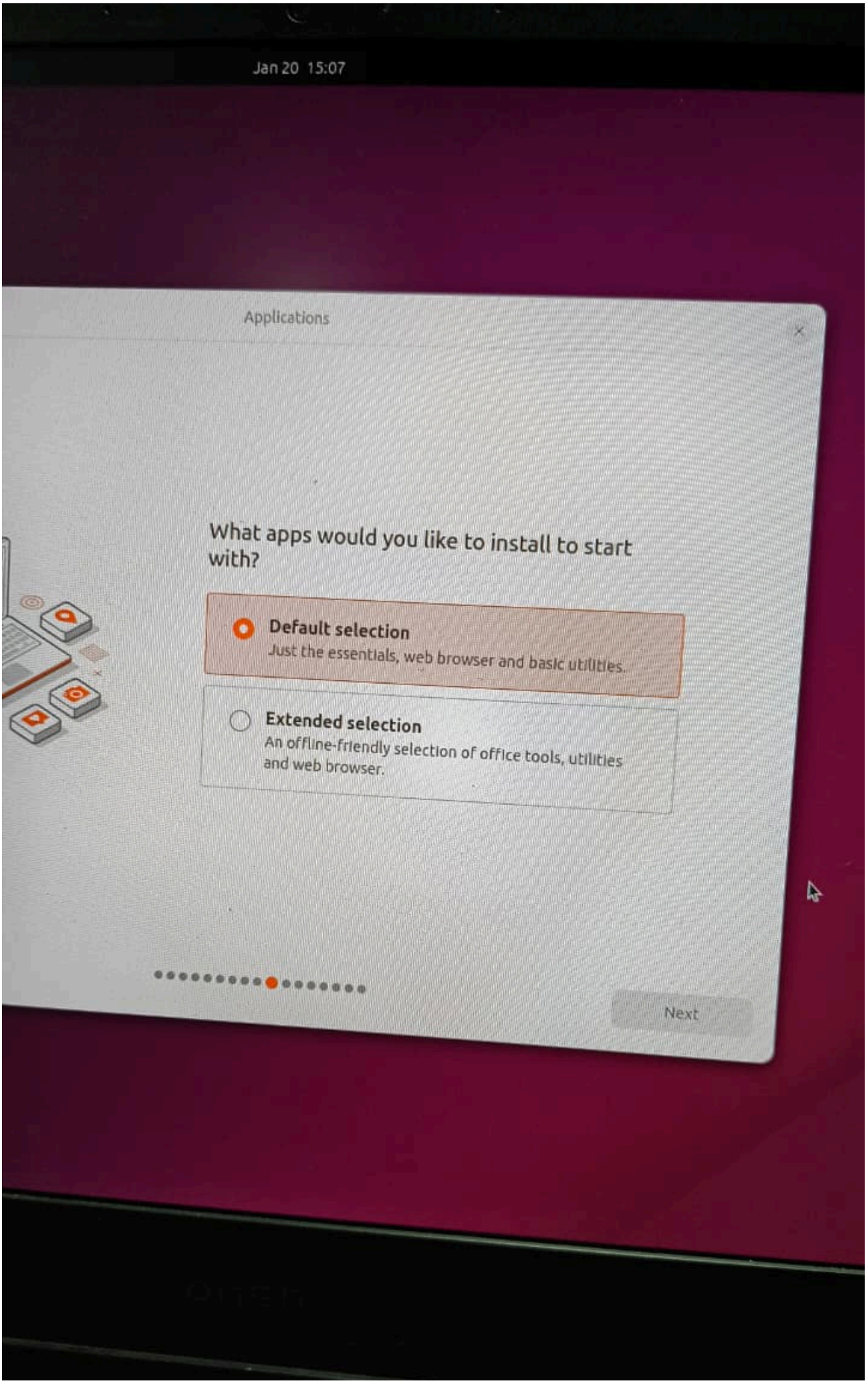
Click on **Install Ubuntu**.

Step 12: Installation Type


Type of installation
How would you like to install Ubuntu?
Interactive installation
For users who want to be guided step by step through the installation.
Automated with autoinstall file
For advanced users who have an autoinstall.yaml for consistent and repeatable system setups.
Next

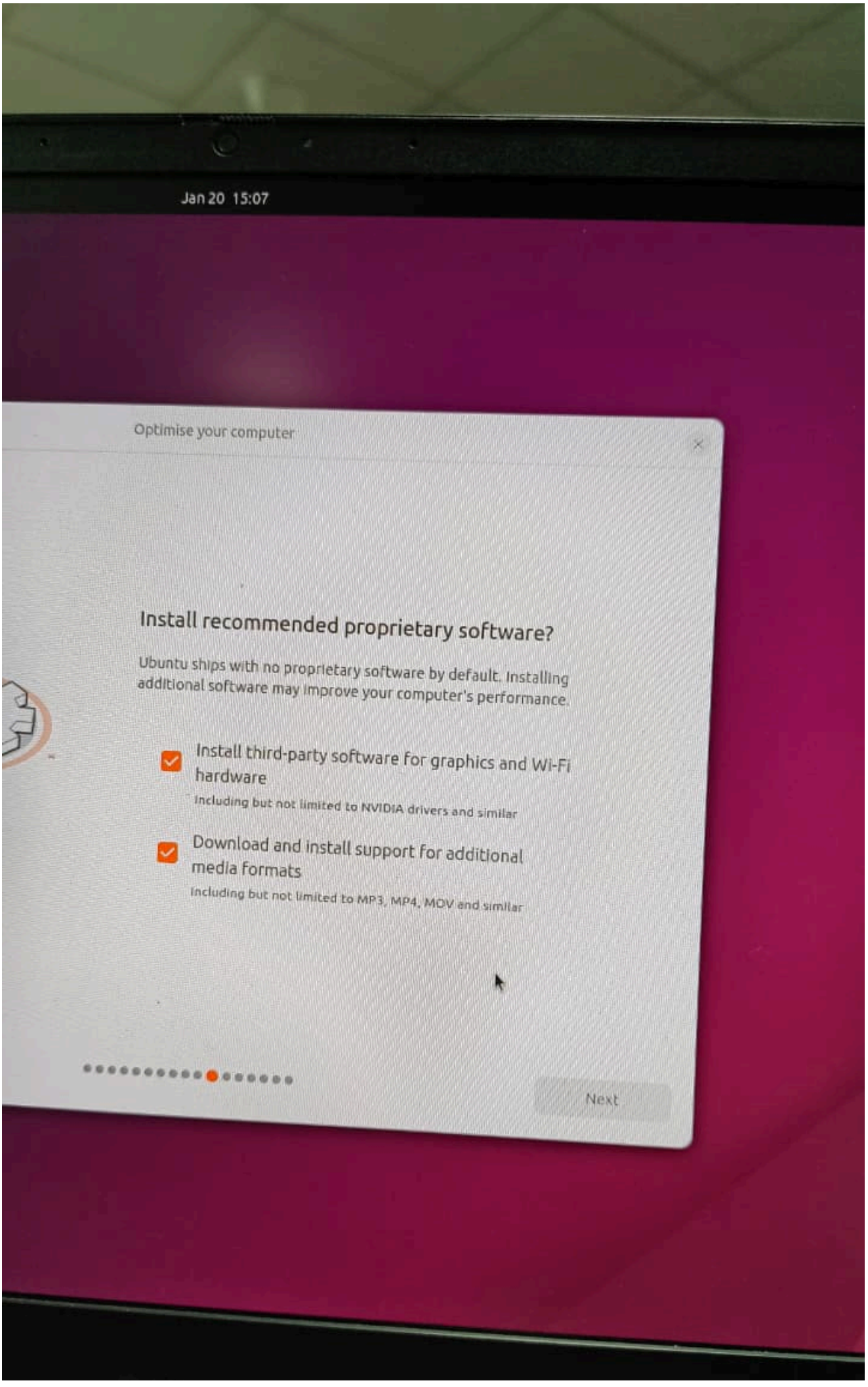


Choose **Interactive Installation**.


Jan 20 15:07
Applications
What apps would you like to install to start with?
Default selection
Just the essentials, web browser and basic utilities.
Extended selection
An offline-friendly selection of office tools, utilities and web browser.
Next



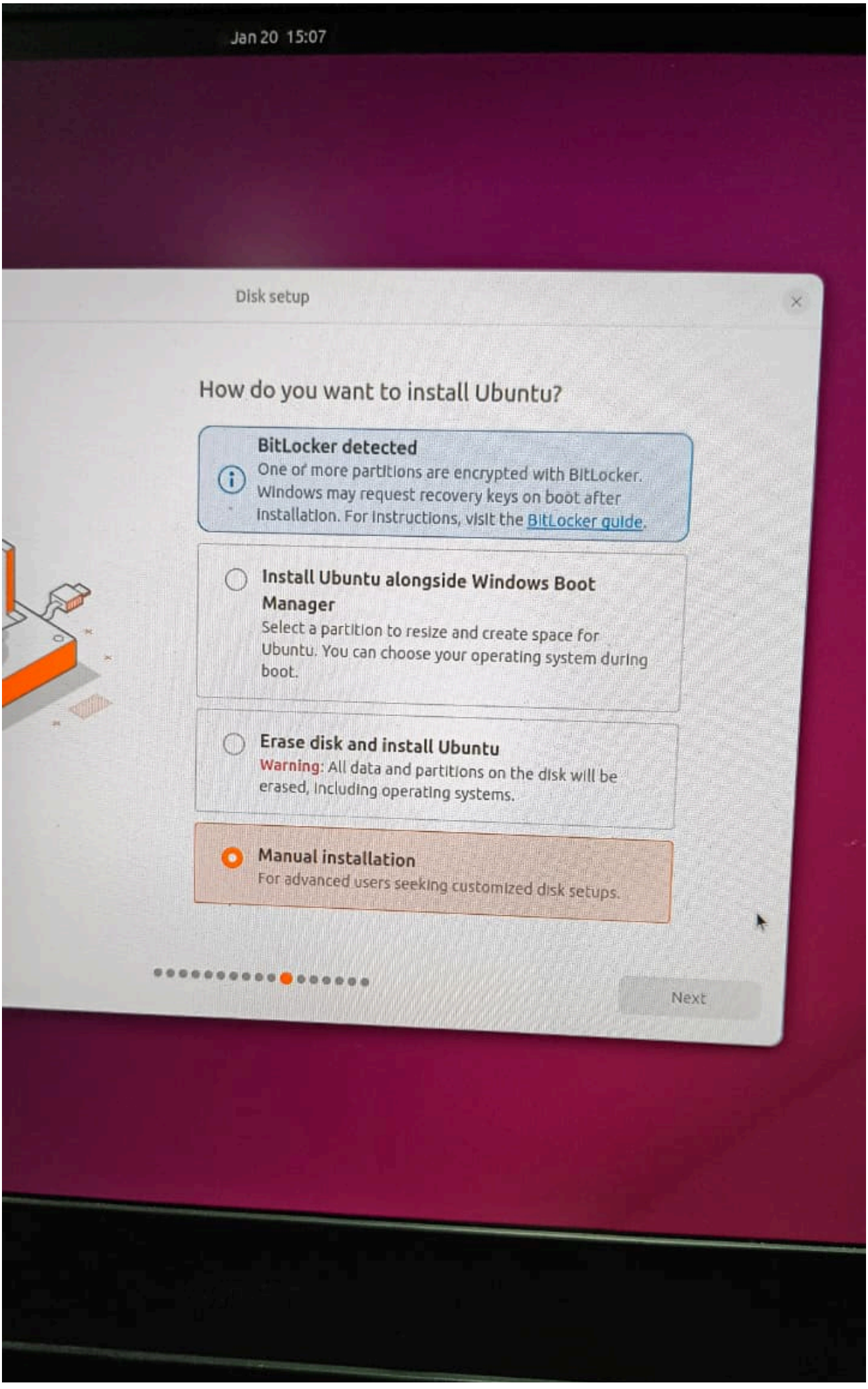
Select **Default selection** for essential apps.

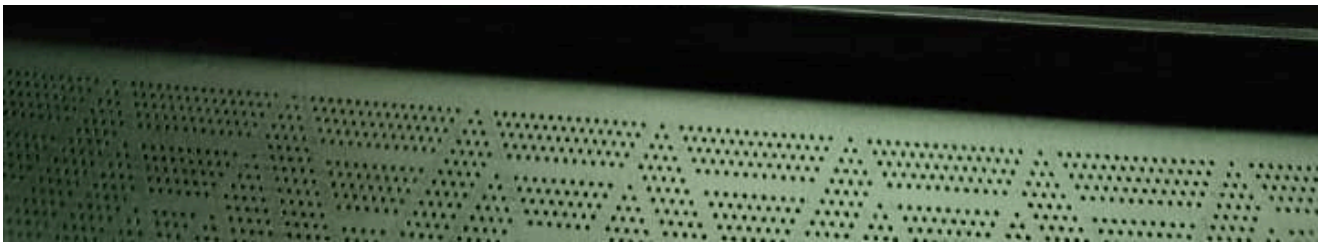

Jan 20 15:07
Optimise your computer
Install recommended proprietary software?
Ubuntu ships with no proprietary software by default. Installing additional software may improve your computer's performance.
Install third-party software for graphics and Wi-Fi hardware
Including but not limited to NVIDIA drivers and similar
Download and install support for additional media formats
Including but not limited to MP3, MP4, MOV and similar
Next



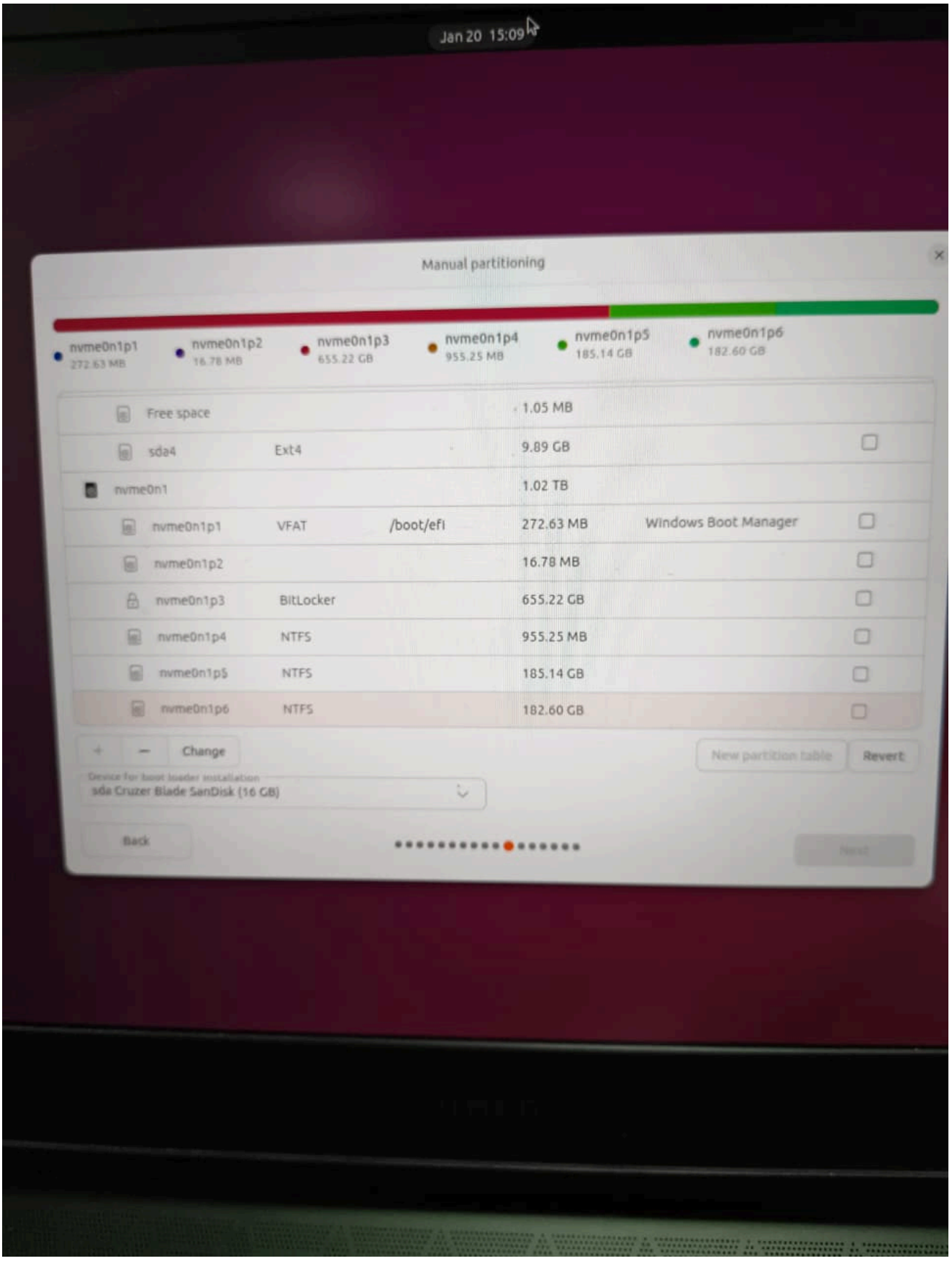
Enable **Install third-party software**.

Step 13: Disk Setup

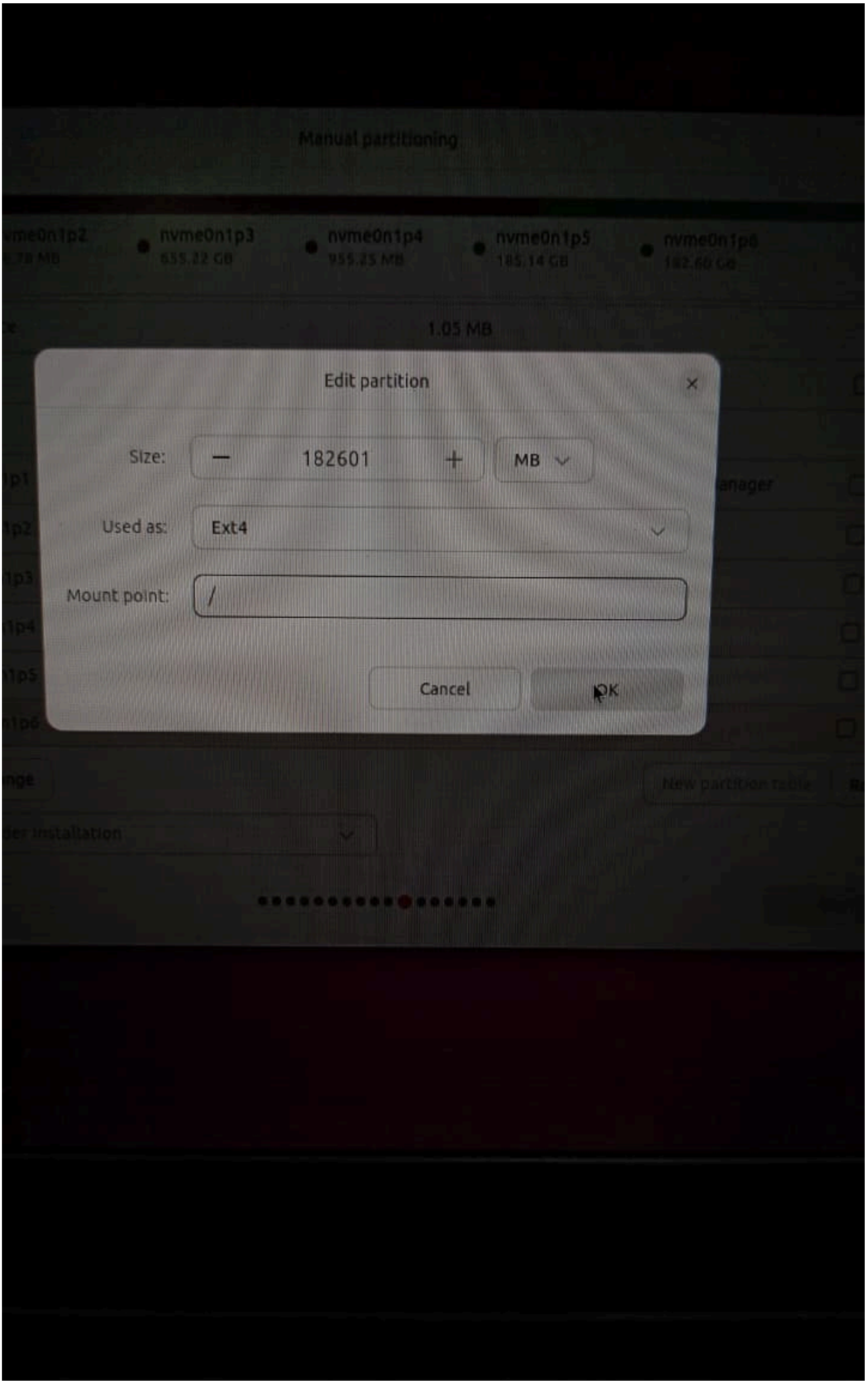

Jan 20 15:07
Disk setup
How do you want to install Ubuntu?
BitLocker detected
One or more partitions are encrypted with BitLocker. Windows may request recovery keys on boot after installation. For instructions, visit the BitLocker guide.
Install Ubuntu alongside Windows Boot Manager
Select a partition to resize and create space for Ubuntu. You can choose your operating system during boot.
Erase disk and install Ubuntu
Warning: All data and partitions on the disk will be erased, including operating systems.
Manual installation
For advanced users seeking customized disk setups.
Next

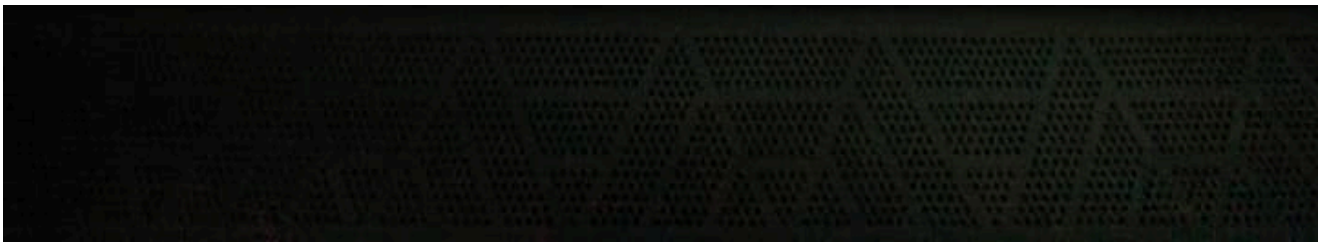


Choose **Manual partitioning**.



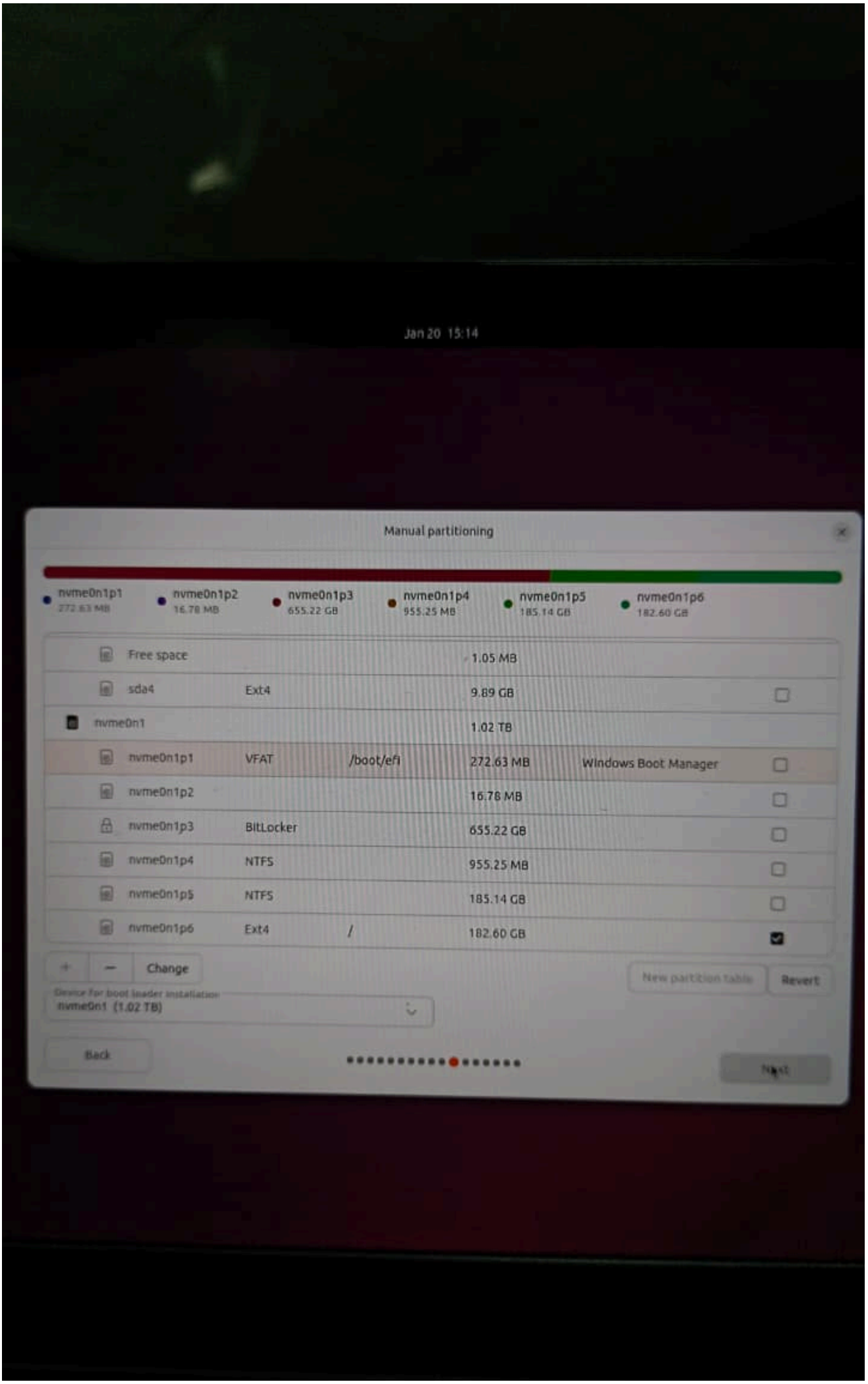
Select the disk partition you previously kept **empty for Ubuntu**.


Manual partitioning
nvme0n1p3
655.22 GB
nvme0n1p4
955.25 MB
nvme0n1p5
185.14 GB
1.05 MB
Edit partition
Size:
182601
MB
Used as:
Ext4
Mount point:
/
Cancel
OK
New partition table



Click **Change** and set:

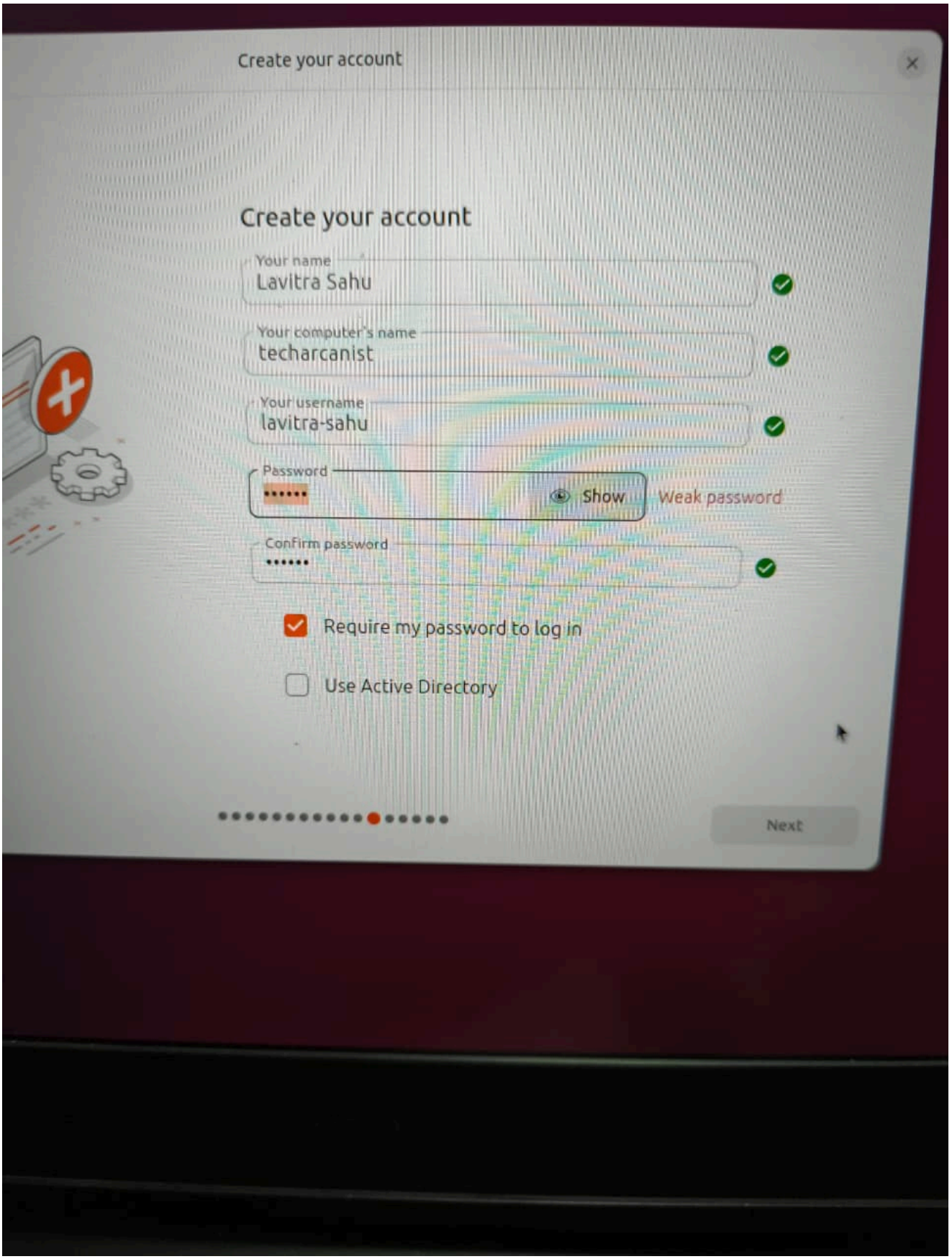
- **Use as**: ext4
- **Mount point**: /


Jan 20 15:14
Manual partitioning
nvme0n1p1
272.63 MB
nvme0n1p2
16.78 MB
nvme0n1p3
655.22 GB
nvme0n1p4
955.25 MB
nvme0n1p5
185.14 GB
nvme0n1p6
182.60 GB
Free space 1.05 MB
sda4 Ext4 9.89 GB
nvme0n1 1.02 TB
nvme0n1p1 VFAT /boot/efi 272.63 MB Windows Boot Manager
nvme0n1p2 16.78 MB
nvme0n1p3 BitLocker 655.22 GB
nvme0n1p4 NTFS 955.25 MB
nvme0n1p5 NTFS 185.14 GB
nvme0n1p6 Ext4 / 182.60 GB
Change
New partition table
Revert
Device for boot loader installation
nvme0n1 (1.02 TB)
Back
Next



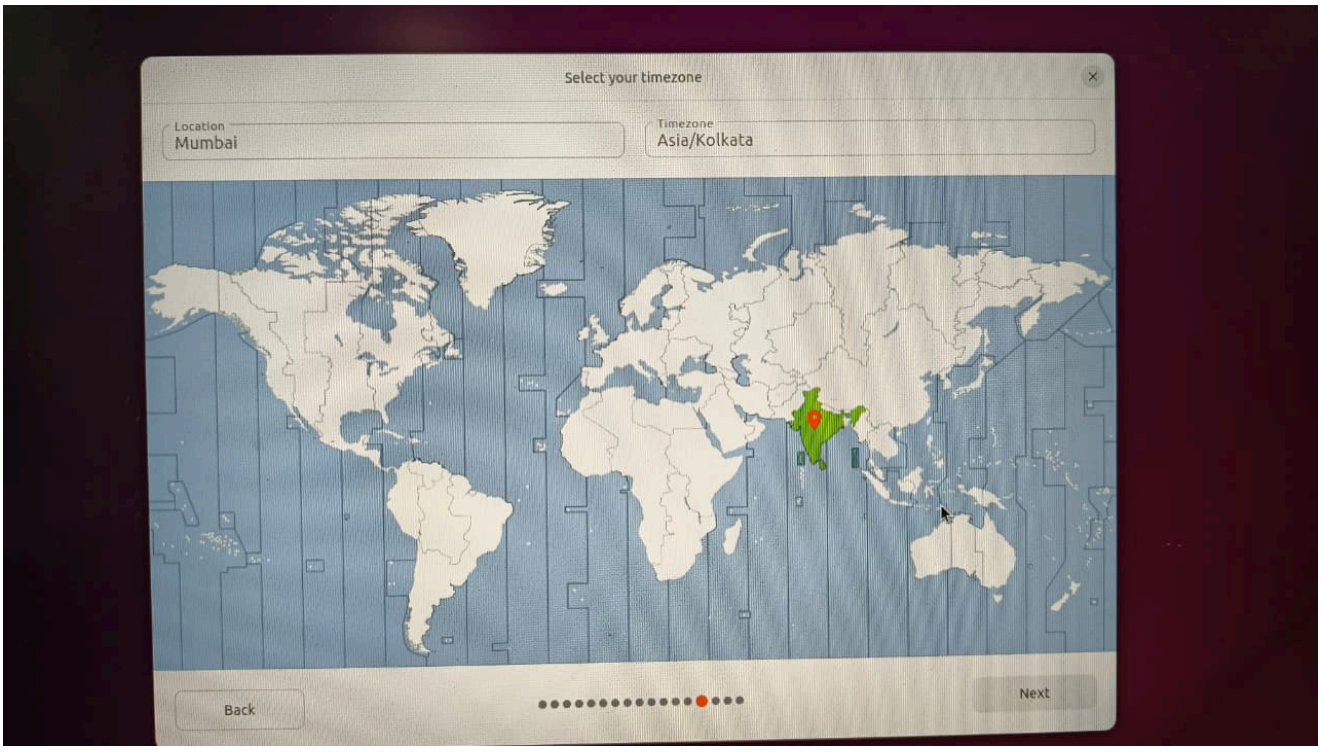
Double-check the configuration.

Step 14: User Account



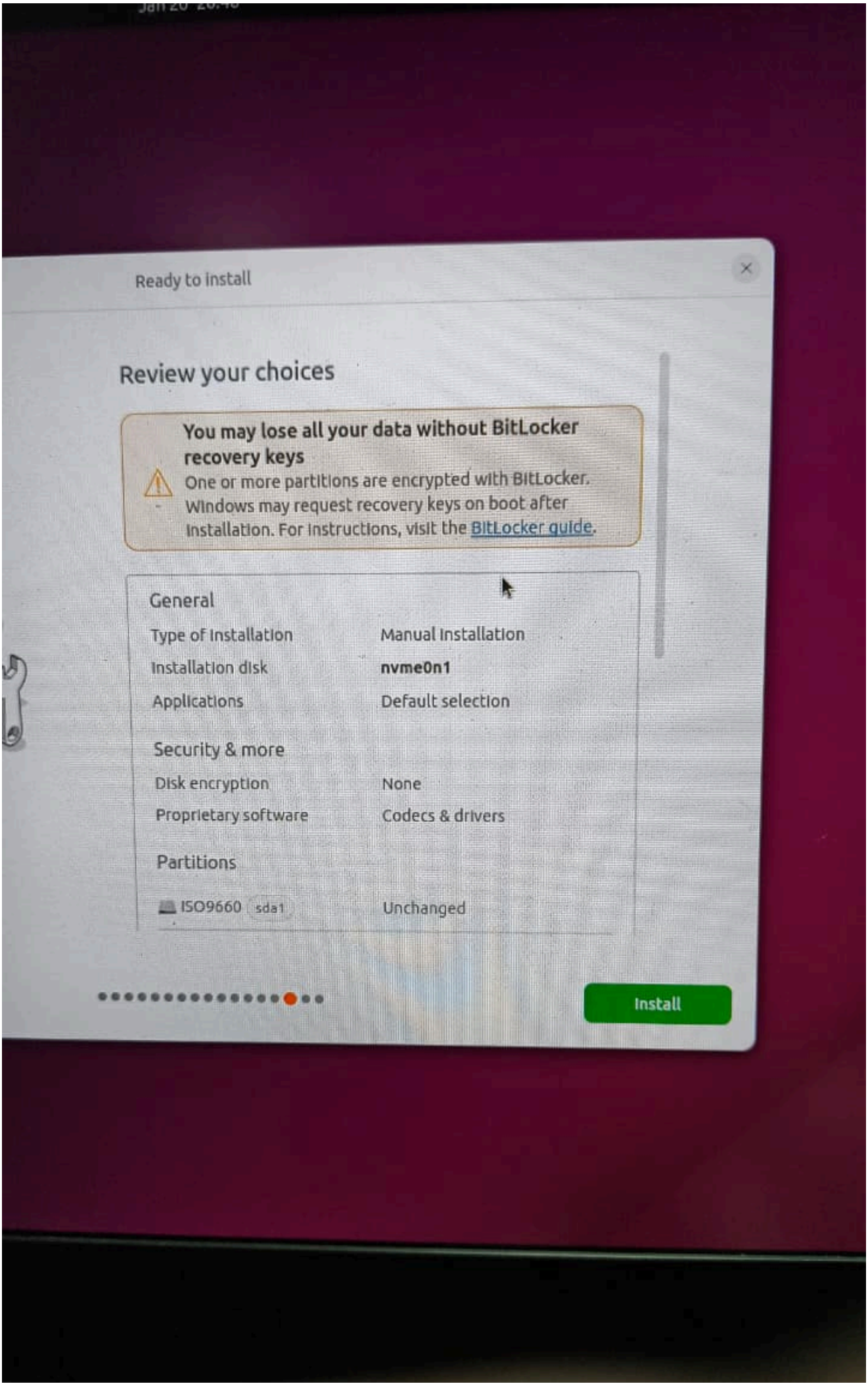
Create your **username and password**.

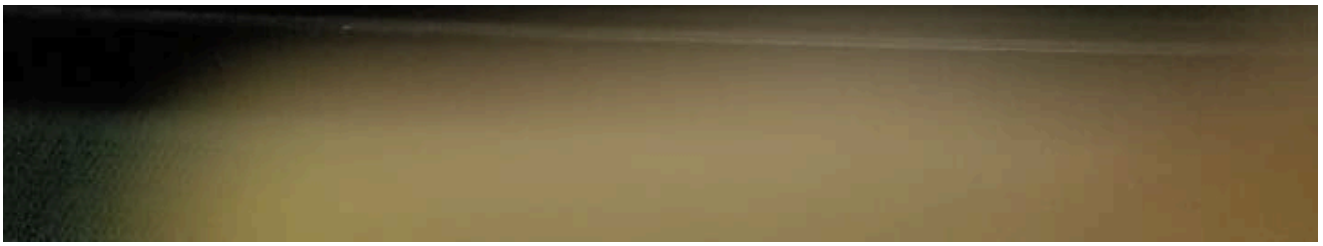
Step 15: Timezone



Select your **timezone**.

Step 16: BitLocker Check

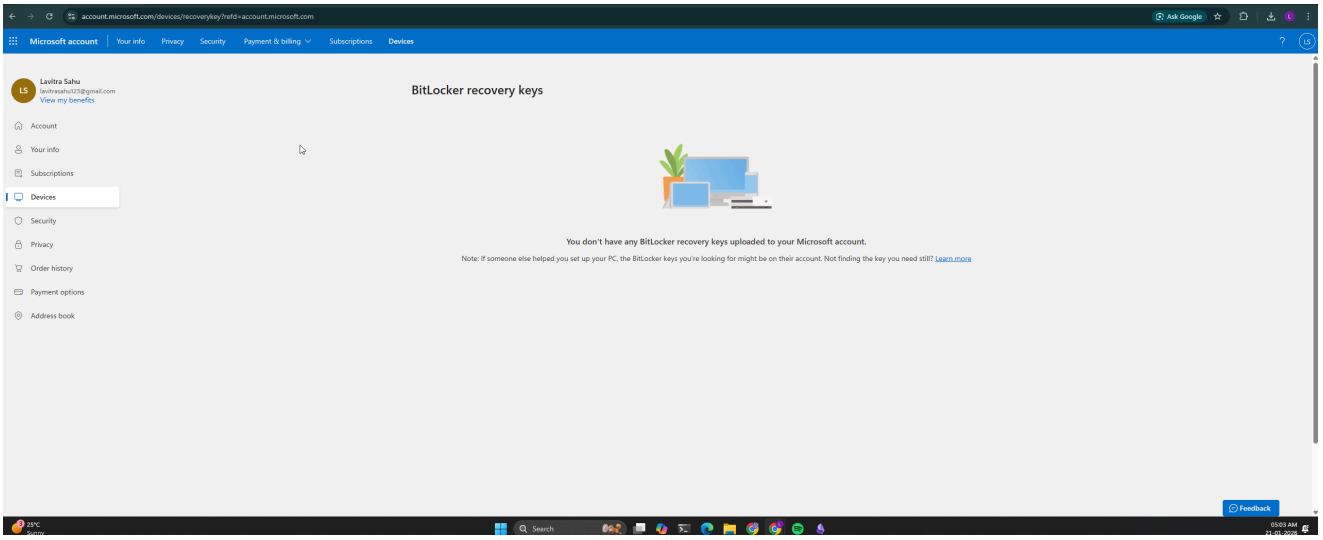

Ready to install
Review your choices
You may lose all your data without BitLocker recovery keys
One or more partitions are encrypted with BitLocker. Windows may request recovery keys on boot after installation. For instructions, visit the BitLocker guide.
General
Type of installation
Manual installation
Installation disk
nvme0n1
Applications
Default selection
Security & more
Disk encryption
None
Proprietary software
Codecs & drivers
Partitions
ISO9660 sda1
Unchanged
Install



Before installing, make sure **BitLocker is disabled** in Windows.

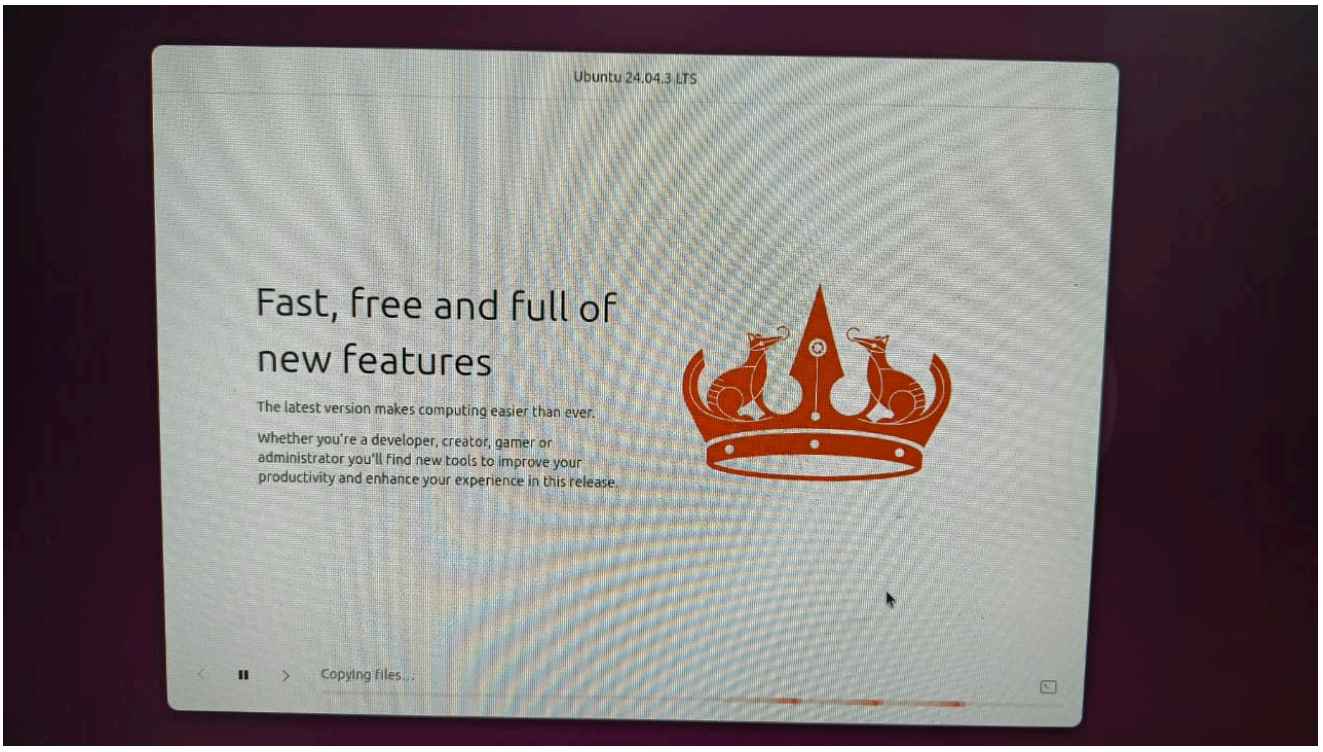
You can check recovery keys here:
https://account.microsoft.com/devices/recoverykey?refd=account.microsoft.com

---



In this case, BitLocker is not enabled.

Step 17: Installation Begins



Ubuntu installation starts.
Wait for it to complete.

Step 18: Restart System

After installation:

- Restart the system
- Remove the **pendrive** when prompted
- Press **Enter**

Final Result

Ubuntu is now installed.
On every boot, you will see two options:

- **Windows Boot Manager**
- **Ubuntu**

Select whichever OS you want to use.

Done

You have successfully:

- Created a bootable Ubuntu USB
- Installed Ubuntu using manual partitioning
- Set up a dual-boot system with Windows