

Ubuntu Installation Guide

Introduction

Step 1: Booting from USB

When booting from USB, make sure to have a full ISO image on a reliable (preferably fast) USB drive.

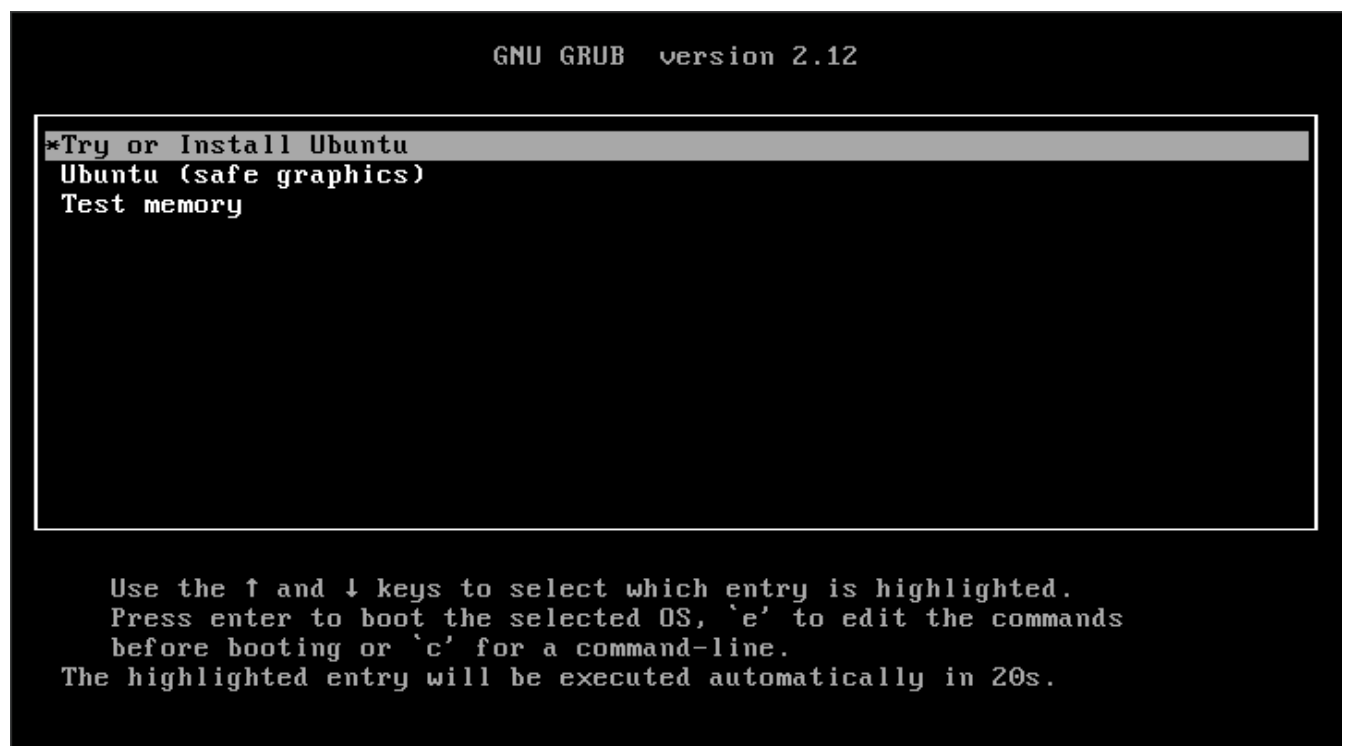
For ubuntu, you should grab an ISO of your choice (*I recommend an LTS version*) from the Ubuntu Releases website [here](#)

Enter your system BIOS, and select boot from USB (this process differs between hardware manufacturers).

Step 2: Selecting Installation Option

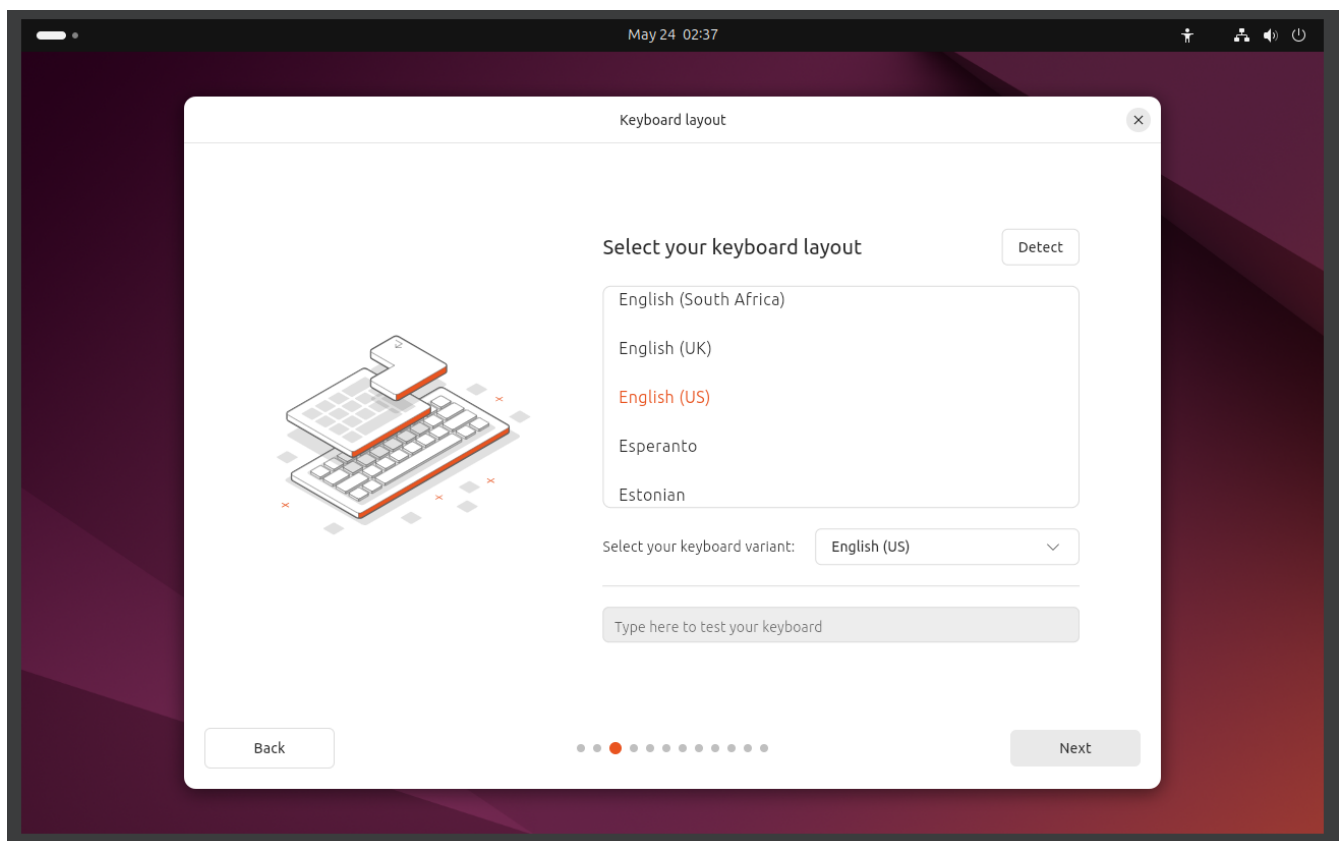
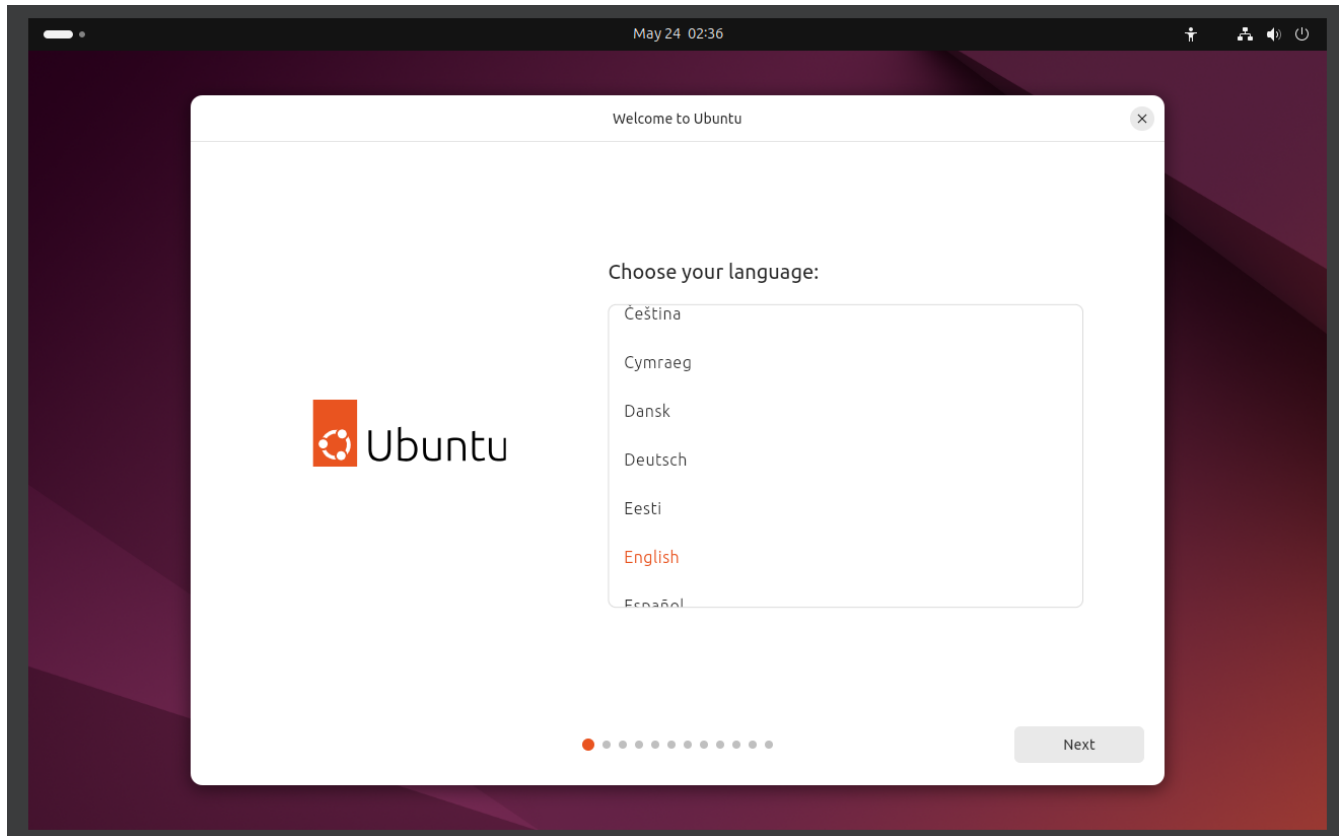
Once your system restarts and turns on, you should be left at this screen.

You can try any of the options yourself, but for this case specifically, select **Try or Install Ubuntu**.



Step 3: Choosing Language & Keyboard Layout

Now that you've booted into the disk image, you should see the install wizard. Please follow the sequence of images, if you encounter a screen not shown, skip past it.



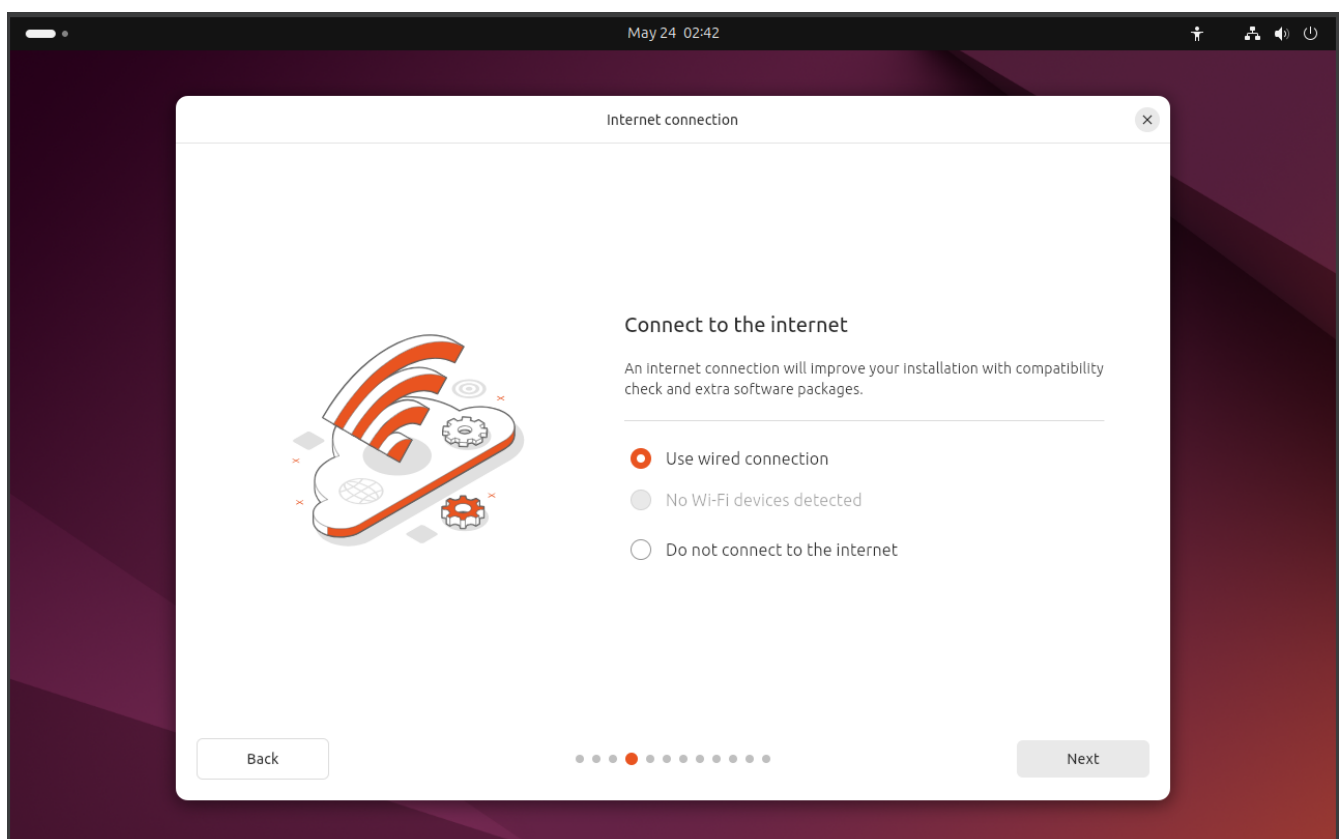
Step 4: Installation Settings

Part 1: Network Configuration

Your first step is configuring your network, I usually use ethernet so I don't have an issue setting up Wi-Fi. If you wish to set up Wi-Fi, you will likely encounter a screen that requires multiple fields to fill in, including but not limited to:

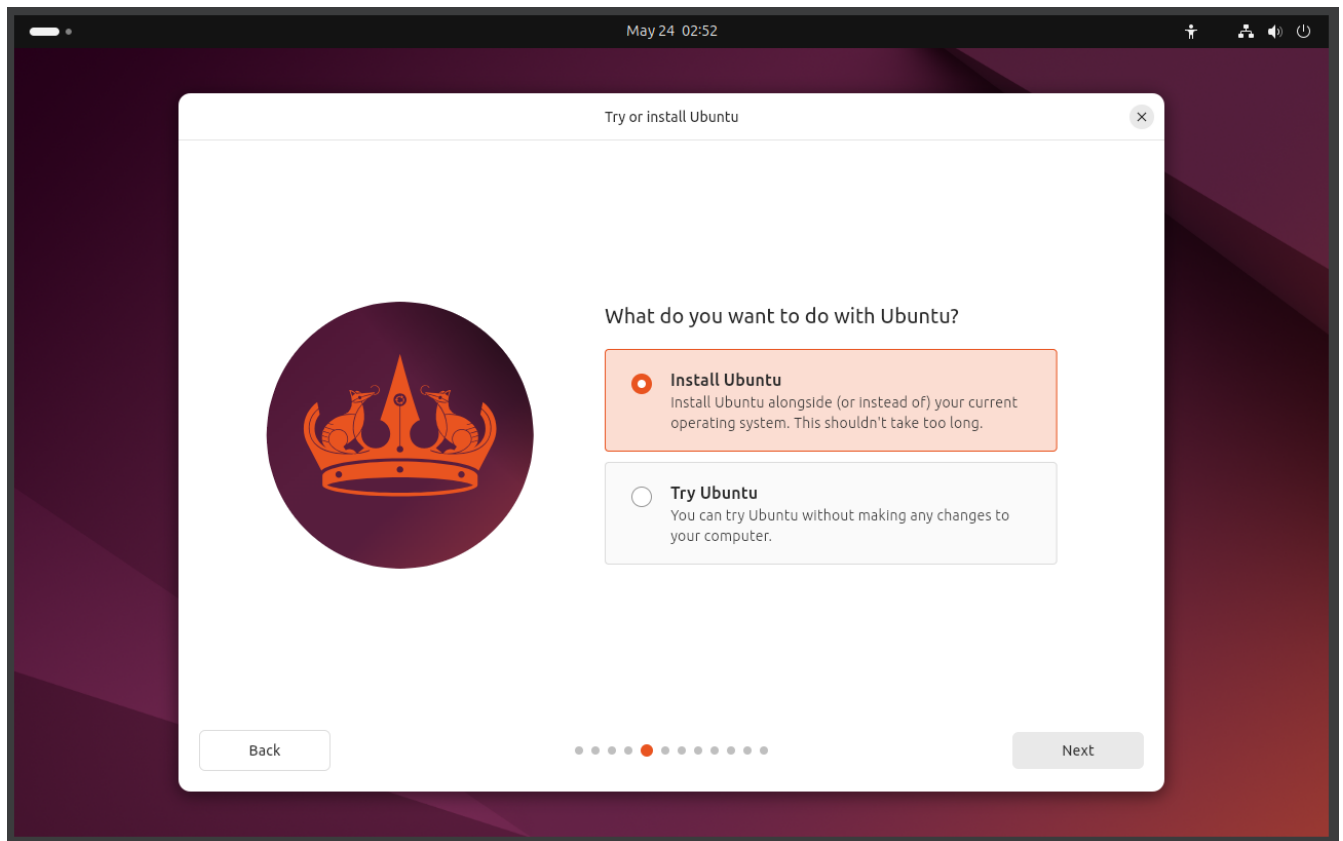
Table 1. Wi-Fi Settings Options

Field Name	Potential Values
Wireless Security	WPA/WPA2 and if on University networks, WPA2 Enterprise
Authentication	Protected EAP (PEAP)
Anonymous Identity	left blank
CA Certificate	If unavailable, select NO CERTIFICATE
Username	Your Wifi Username if applicable
Password	Your Wifi Password if applicable



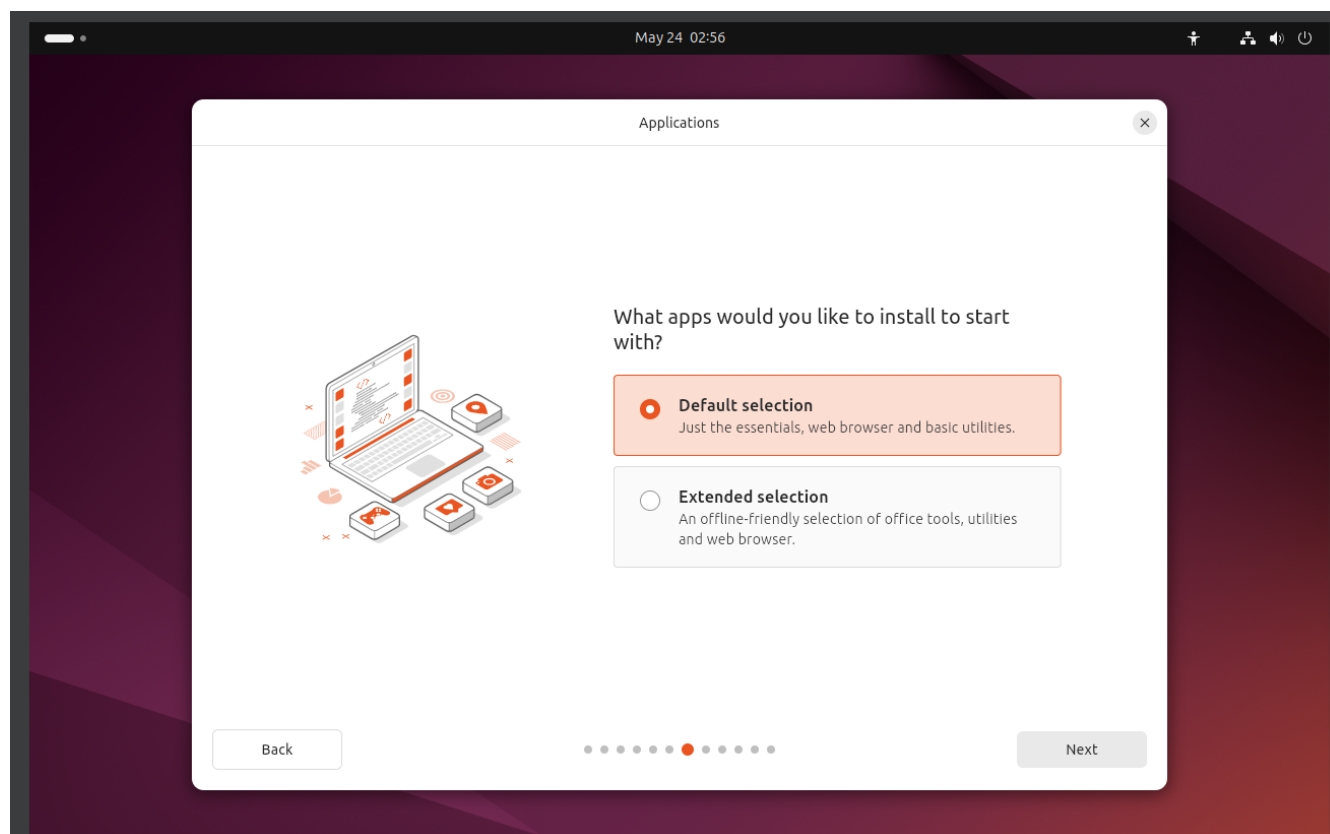
Part 2: Try or Install

You will face the Try or Install Ubuntu screen, and this is where you should hit **Install Ubuntu**.



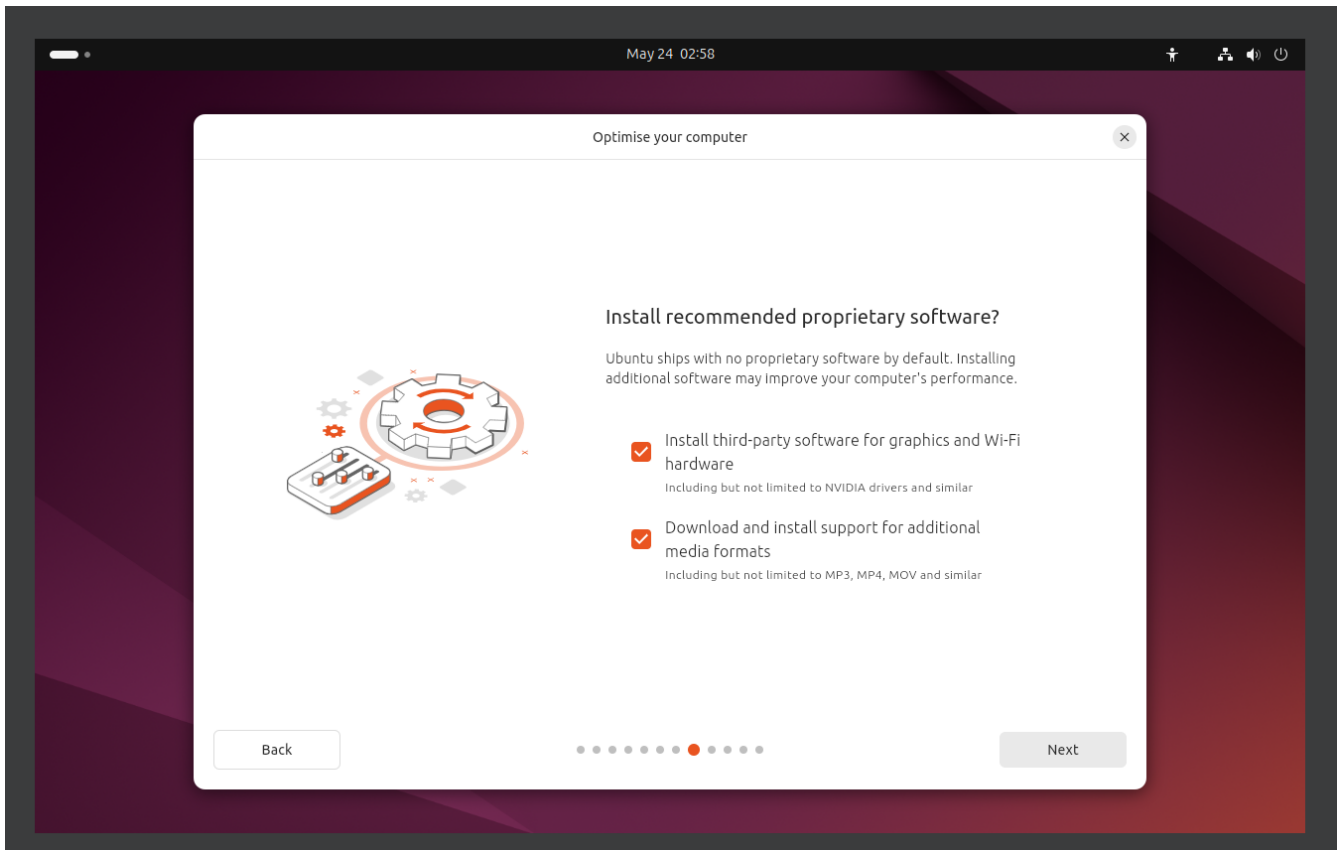
Part 3: Application Selection

If you need fancy extra applications click **Extended Selection**. Otherwise, click **Default Selection**.



Part 4: Proprietary Software Selection

I would check all the options here, as video formats and drivers are not something most people want to troubleshoot themselves, and this small step saves a lot of future headaches.



Now you just wait for the changes to be applied!

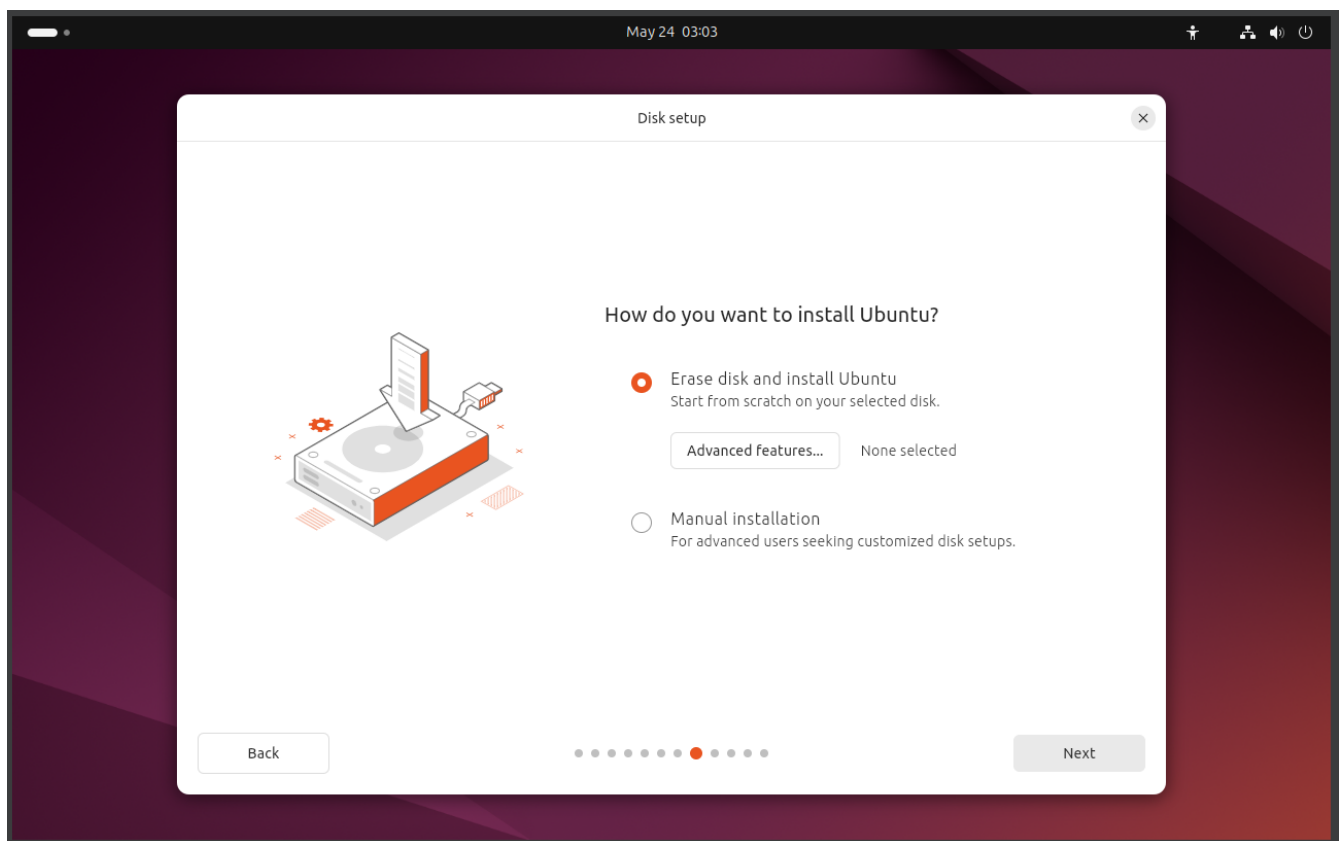
Step 5: Partitioning

Manual vs. Automatic Partitioning

If attempting to dual boot, manual partitioning will help you in specifying specific volume sizes so that Ubuntu doesn't eat up your operating system.

However, this guide is about installing Ubuntu on its own, and so we do Automatic Partitioning by erasing the disk and starting from scratch.

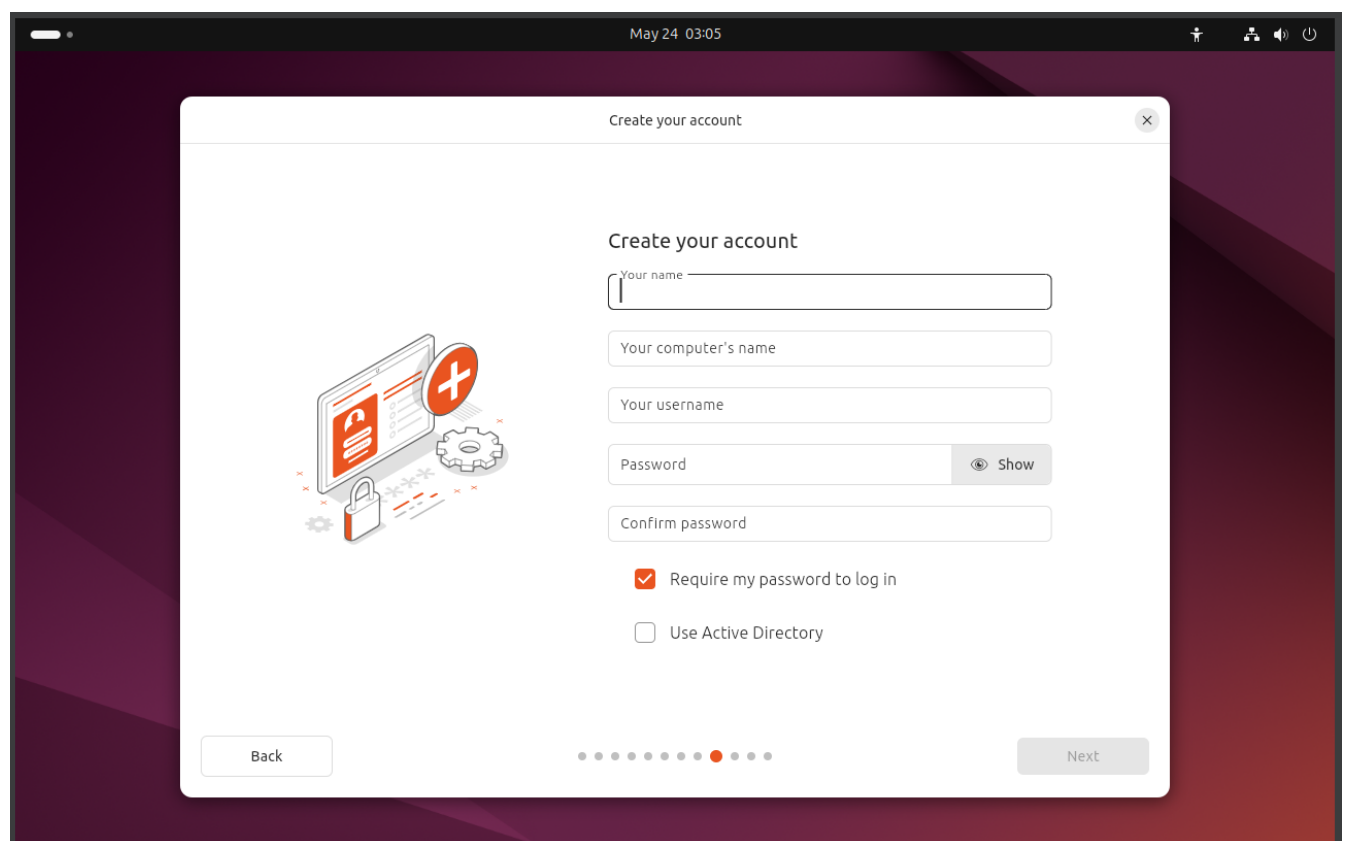
Do not select any advanced features (i.e encryption) for MACH computers, as we will be unable to read the filesystem should any error occur at any time.



Step 6: Creating a User Account

Table 2. User Account Options

Field Name	Value	Purpose
Your Name	MACH	Mostly Cosmetic, just for display
Your Computer's Name	gremlin (or whatever)	Computer Host Name
Your username	mach	Local User Name
Password	(come up with a good password)	Account Password
Confirm Password	(type it again)	Confirmation Field
Require my Password to Log In	(always checked)	Checkbox
Use Active Directory	(always unchecked)	Group Management Checkbox



May 24 03:05

Create your account

Create your account

Your name

Your computer's name

Your username

Password Show

Confirm password

☒ Require my password to log in

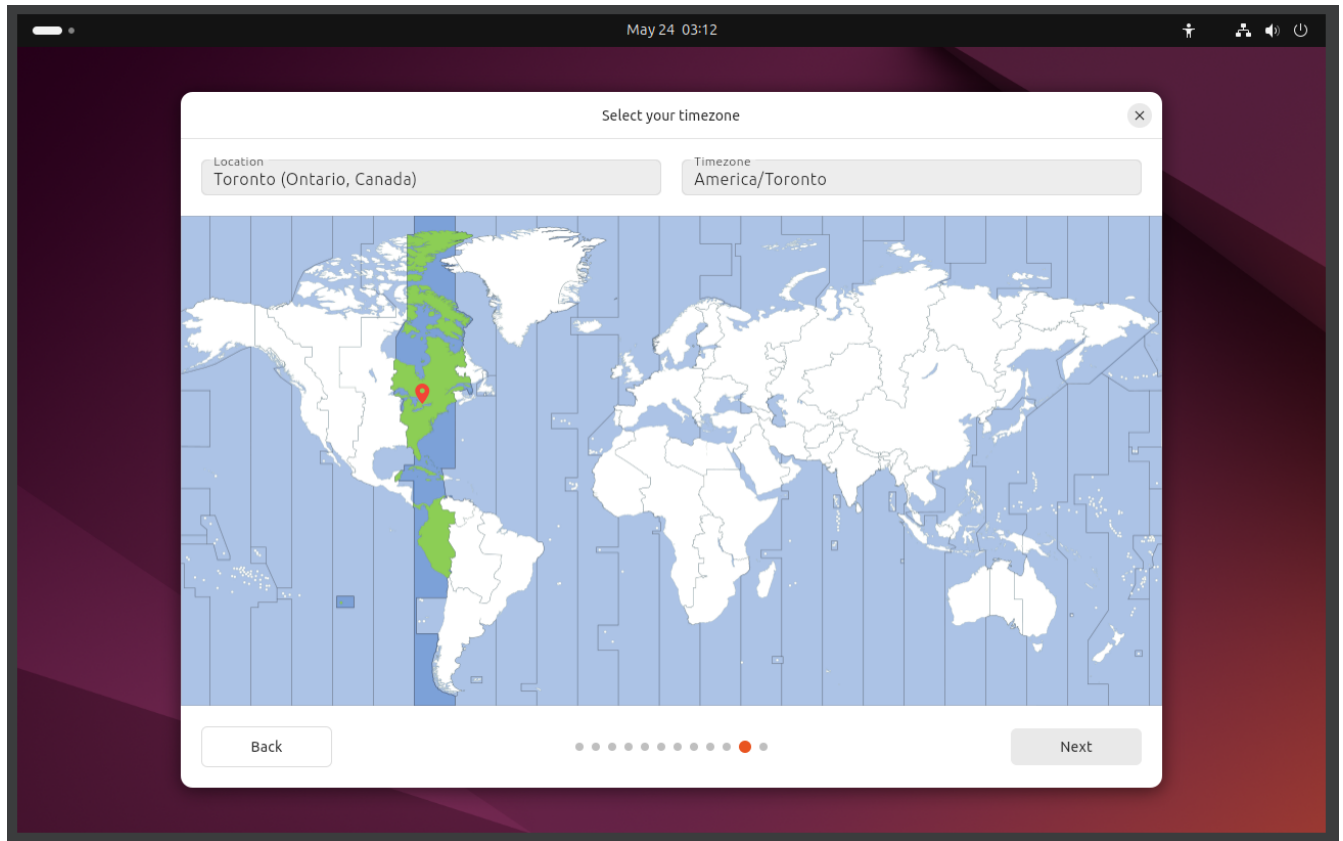
☐ Use Active Directory

Back

Next

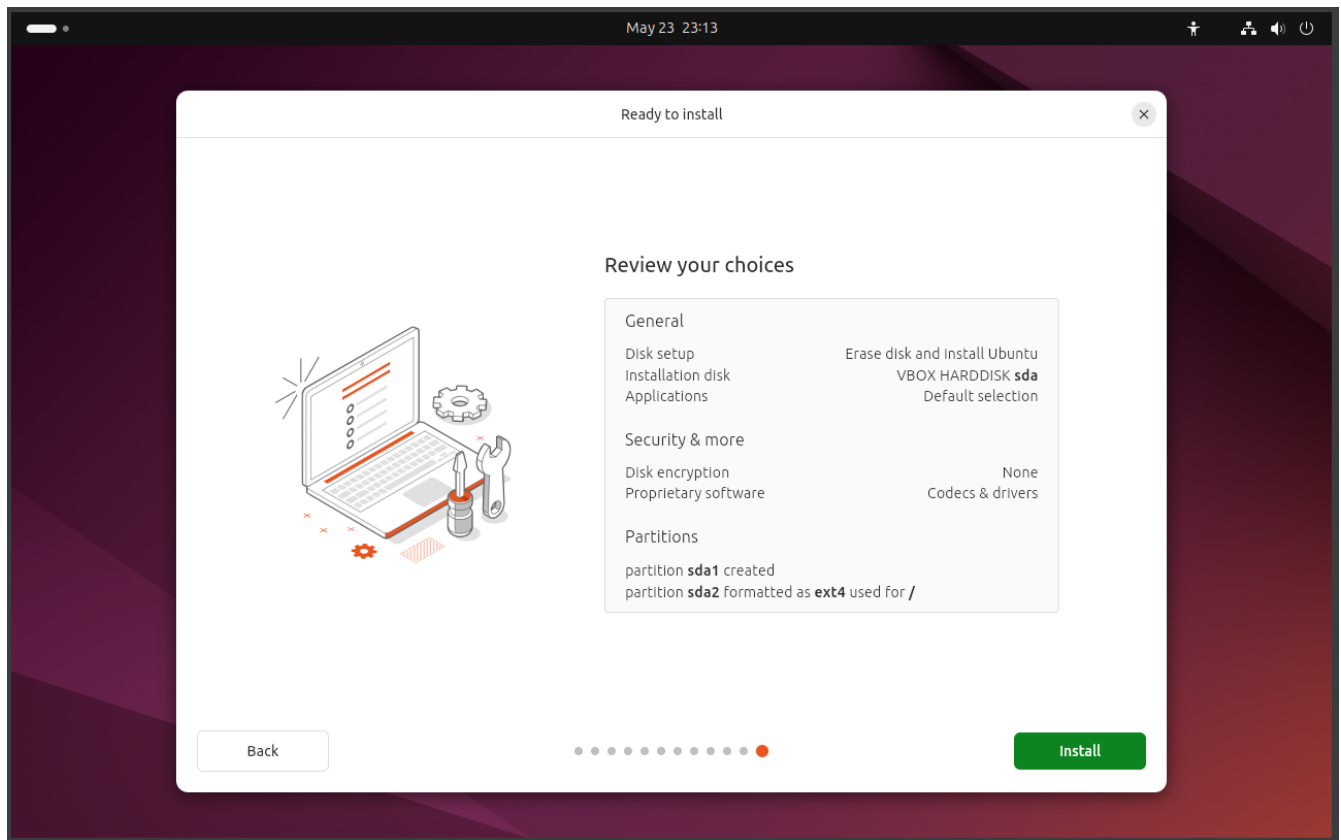
Step 7: Geographic Location and TimeZone

This should be auto-selected, but if not you can manually select it.



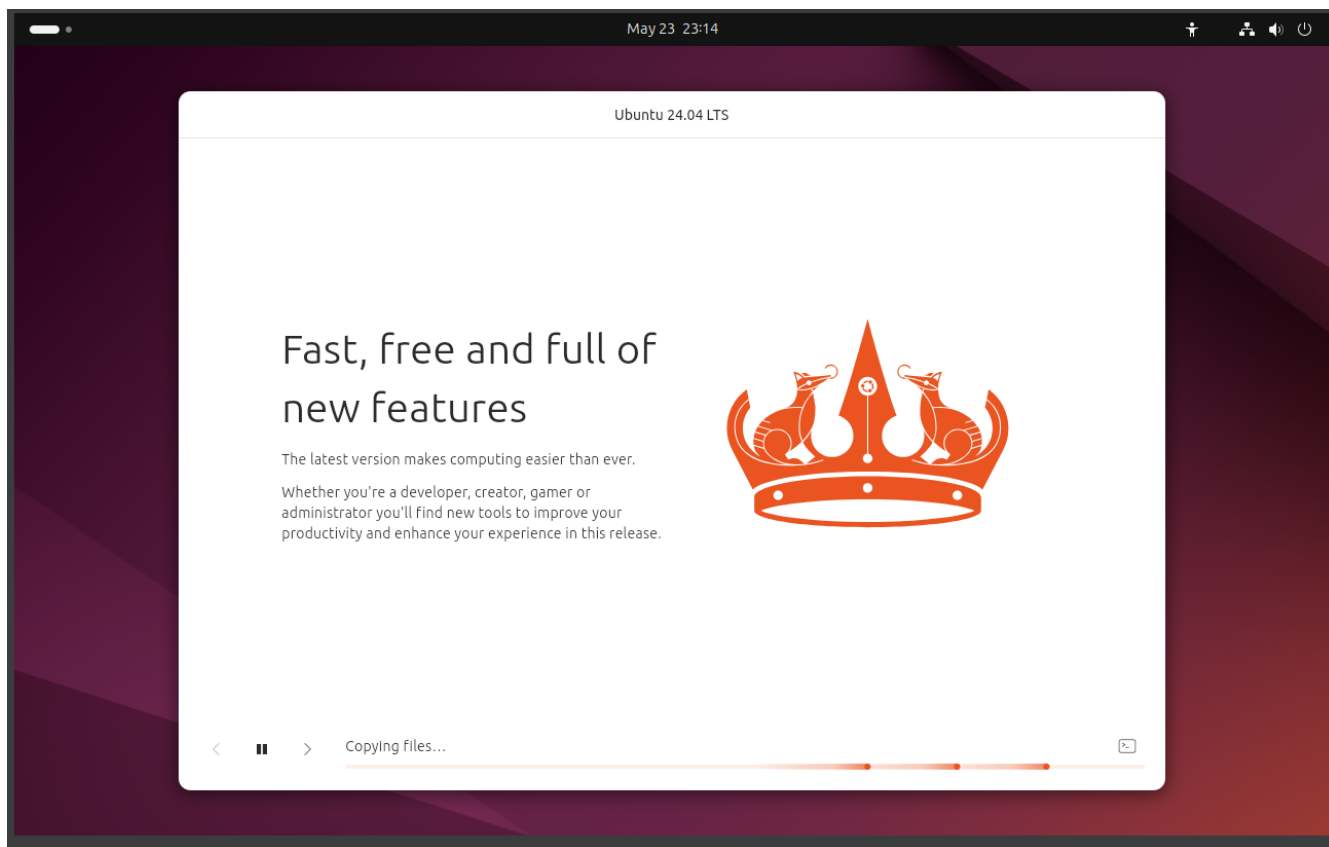
Step 8: Installation

Your system should be ready to install! Hit **Install** when you're ready to proceed.



Part 1: Progress

This might take a while depending on your hardware, so sit tight and relax while Ubuntu installs itself to your system.



Part 2: Completion

Once you've reached this point, just hit restart now and your system will be ready to go!

