◇ framework

Ubuntu 23.04 Installation on the Framework Laptop 13

How to install Ubuntu 23.04 Linux on a Framework Laptop 13

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INTRODUCTION

Once you have your Framework Laptop 13 set up following the **Quick Start Guide**, you're ready to install your preferred OS. You can check out the more recent Linux distros we've tested on our **Linux page**.
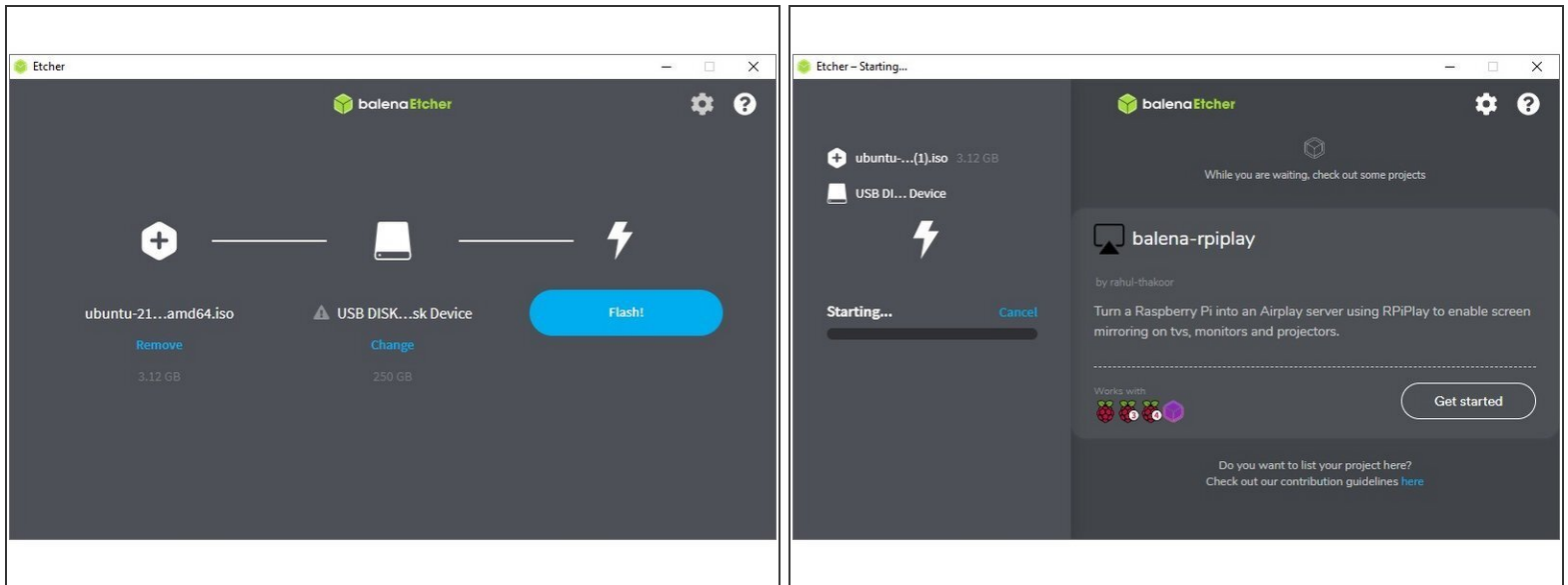
NOTE: This is a Compatible Community Supported Linux Distribution. **Learn more here**.

⚙ **PARTS:**

- Storage Expansion Card (1)

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Step 1 — Preparing Ubuntu Installation Media

- First, download the latest Ubuntu 23.04 Desktop image from Ubuntu's website. Ubuntu has a detailed installation guide that you can follow. We'll go through the steps in this Guide assuming you have a simple installation scenario of a fresh install on a blank drive.

- Download balenaEtcher as a tool to create the USB installer from the ISO. balenaEtcher is available for Windows, MacOS, and Linux. You can either install it or download the portable version that runs directly from the executable.

- Launch balenaEtcher. Insert your USB drive (8GB or larger). Click on "Flash from file" and select the ubuntu-23.04-desktop-amd64.iso that you downloaded. Click on "Select target" and choose your USB drive. Click "Flash" and wait a minute or two for it to complete.

- Once the USB drive creation is complete, you can close balenaEtcher and eject the USB drive from your OS.

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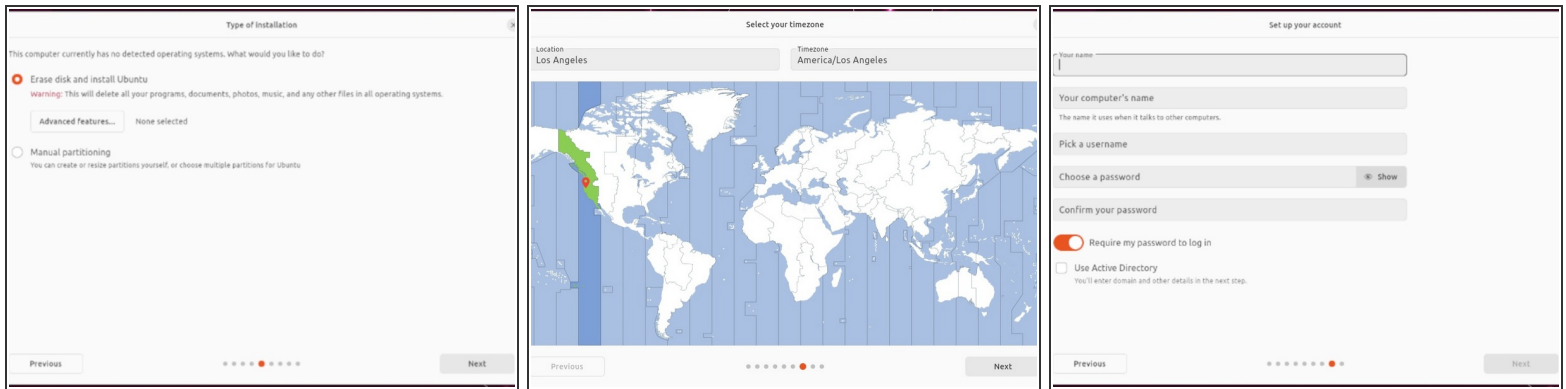
Step 2 — Booting to Live Ubuntu USB
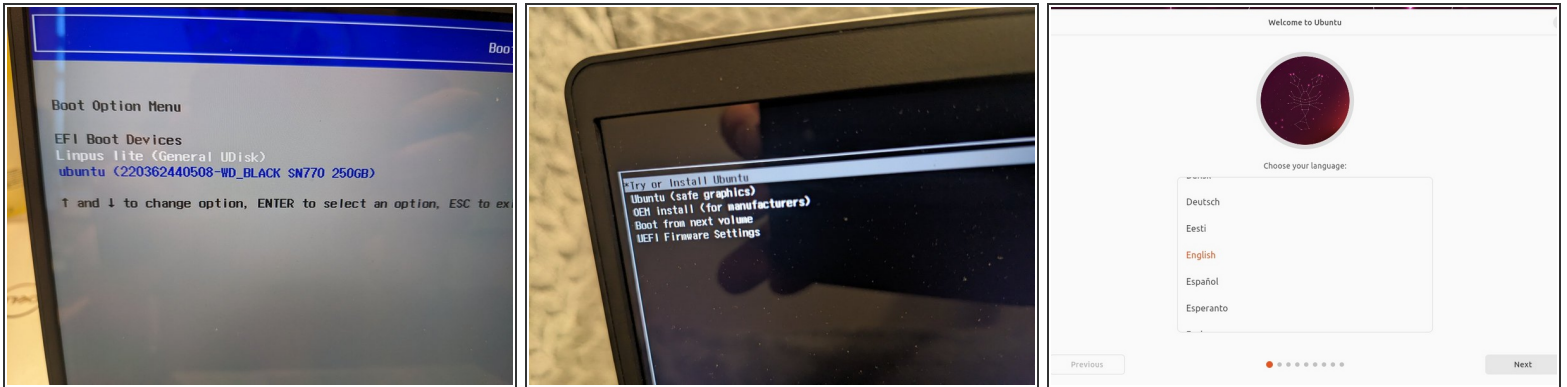
- Insert the USB drive into your powered off Framework Laptop 13, and then power on. If you have an existing OS installed on the Storage drive in your laptop, immediately after the power light comes on begin rapidly tapping (continuously) the F12 key - you must begin tapping well before you see the Framework logo.

- Select Linpus lite (General UDisk) with your arrow keys. Enter key.

- Next select Try or Install Ubuntu. Hit the enter key.

- After a few seconds, you're in! If you just want to try Ubuntu out, you can click on the Try Ubuntu button and browse through the live USB version of it without touching the internal storage drive. If you do want to install Ubuntu to the internal storage drive, go on to the next step.

Step 3 — Installing Ubuntu Part 1
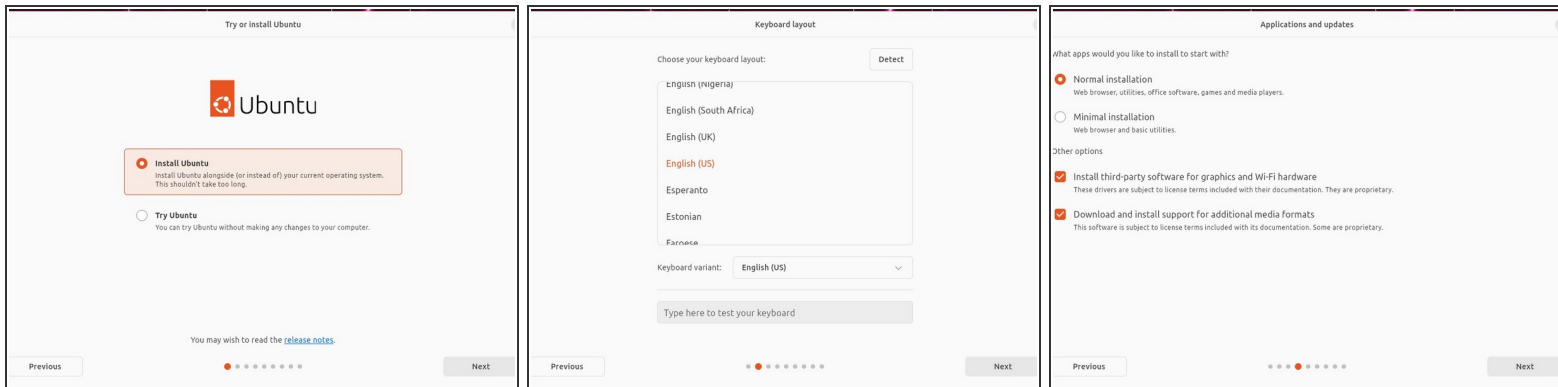
- Select Install Ubuntu.

- Select the keyboard language you'd like to use. On the next screen after clicking Continue, connect to your WiFi network if available.

- While connected to your network, select Normal installation, Download updates while installing Ubuntu and Install third party software, then press continue. This process may take a few minutes and appear to idle a bit, then the next screen appears - installation type.

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Step 4 — Installing Ubuntu Part 2

- Next we'll choose the installation type. Erase everything is the correct choice for users with a new DIY Framework Laptop 13 looking to use the entire hard drive for Ubuntu.

- Press Install Now, then when prompted, then click on Continue.

- Next you'll be prompted to choose your location on the world map. Select your time zone location, click Continue.

- Create a username, a computer name (anything will do), and a password to login with. Also make sure you select Require a password to log in. Then press Continue.

Step 5 — Installing Ubuntu Part 3
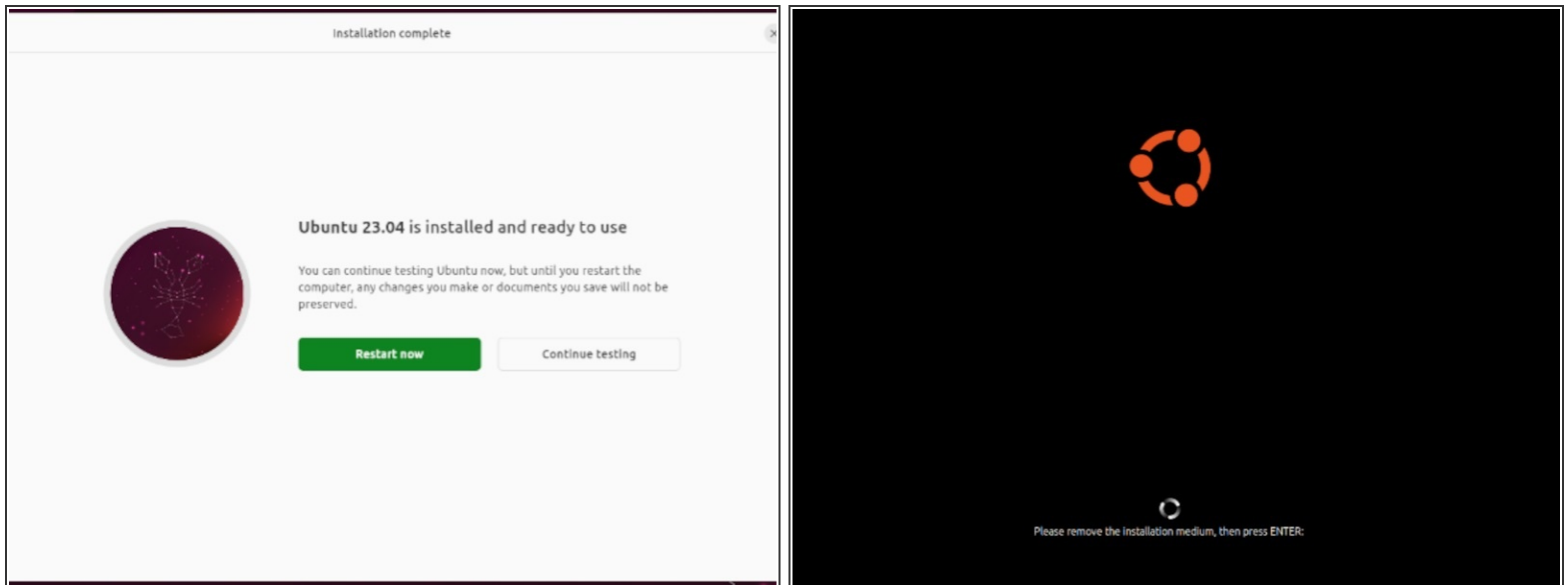
- Once the Ubuntu installer is completely done, you will see a box indicating that it's complete and time to reboot. Click Continue testing if you prefer or if you're comfortable and done testing, click the Reboot Now button.

- After pressing the Restart Now button, it will sit at a black screen for a bit, then you will be prompted to "Remove the installation Medium, then press Enter."

Step 6 — Installing Ubuntu Part 4
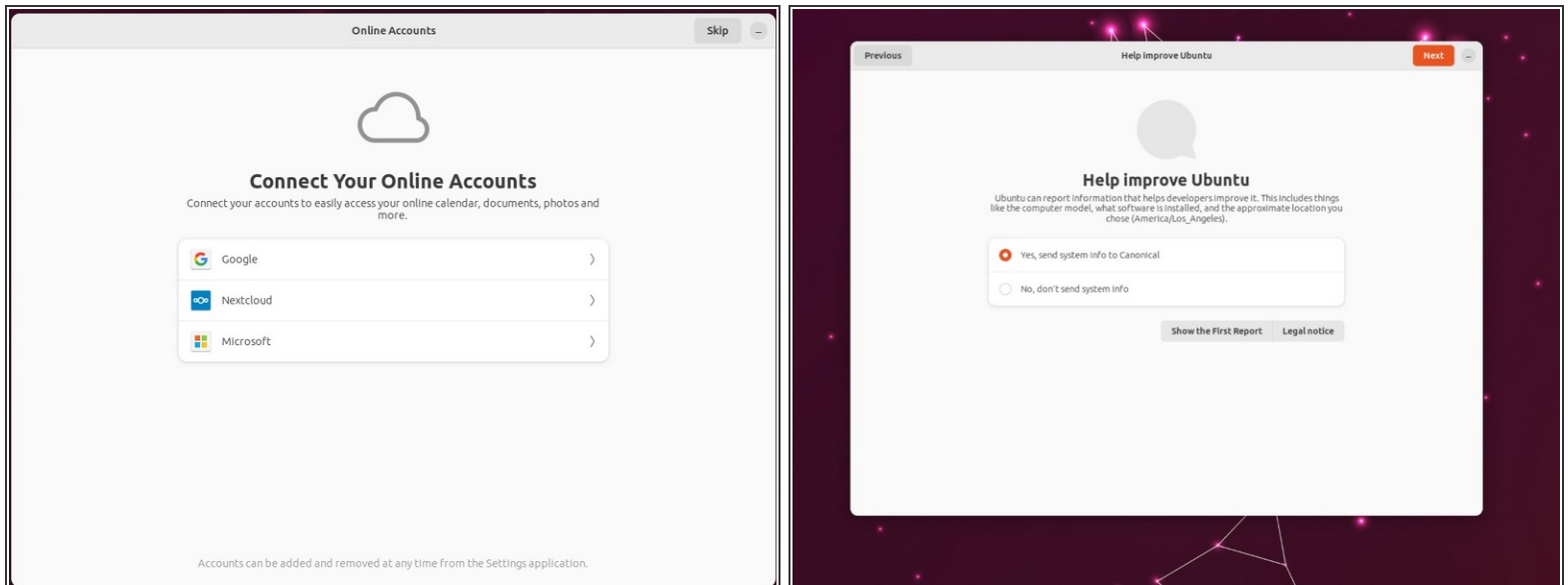
⚠ Once rebooted, there are updates that need to be applied before running Firefox. Please make sure to follow Step 8 of this guide.

- Once logged in you'll then be prompted to login with your cloud accounts. I recommend skipping this as it's completely unnecessary. Press the skip button.

- Repeat this process with the other screens as seen in the provided images, while making selections and choices that best match your needs.

Step 7 — Installing Ubuntu Part 5
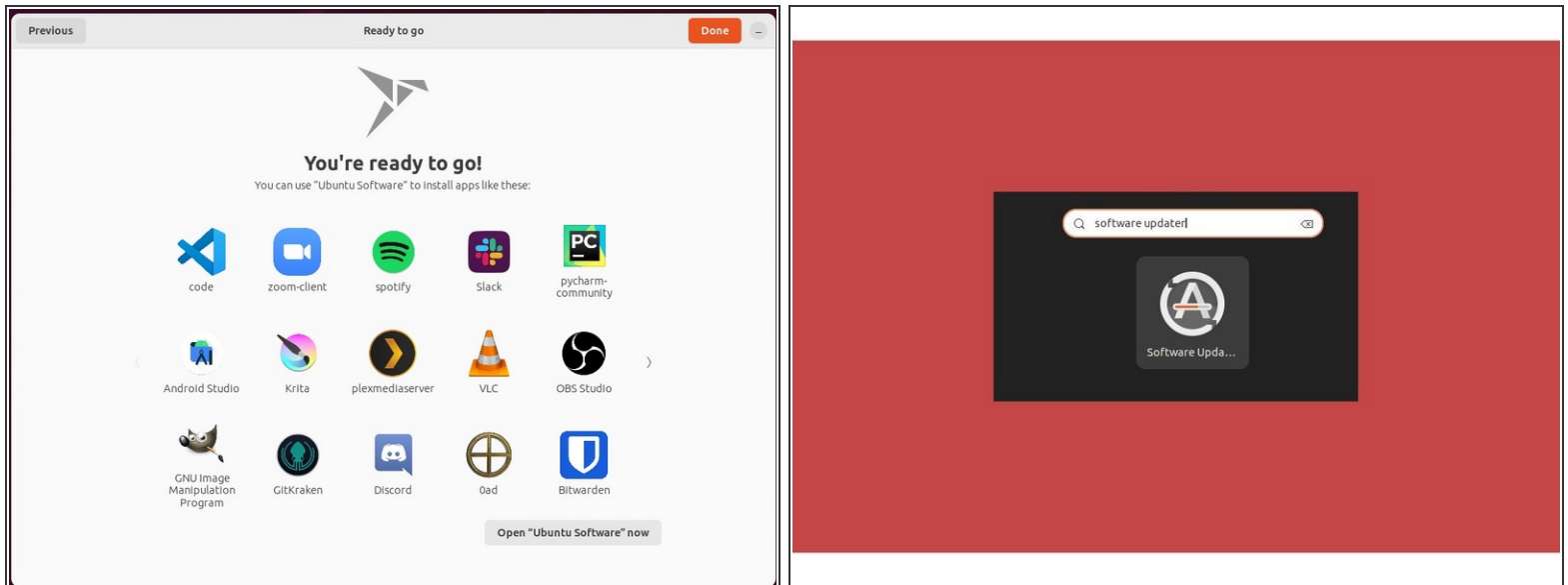
- Continue making your preferred selections through the Privacy page until you arrive at the "You're ready to go" screen.I recommend not installing software at this stage, instead clicking the Done button on the window.

- After clicking on the Done button, browse to Activities in the upper left, search Software Updater. Open the application.

Step 8 — Installing Ubuntu Part 6 (Fingerprint Login)
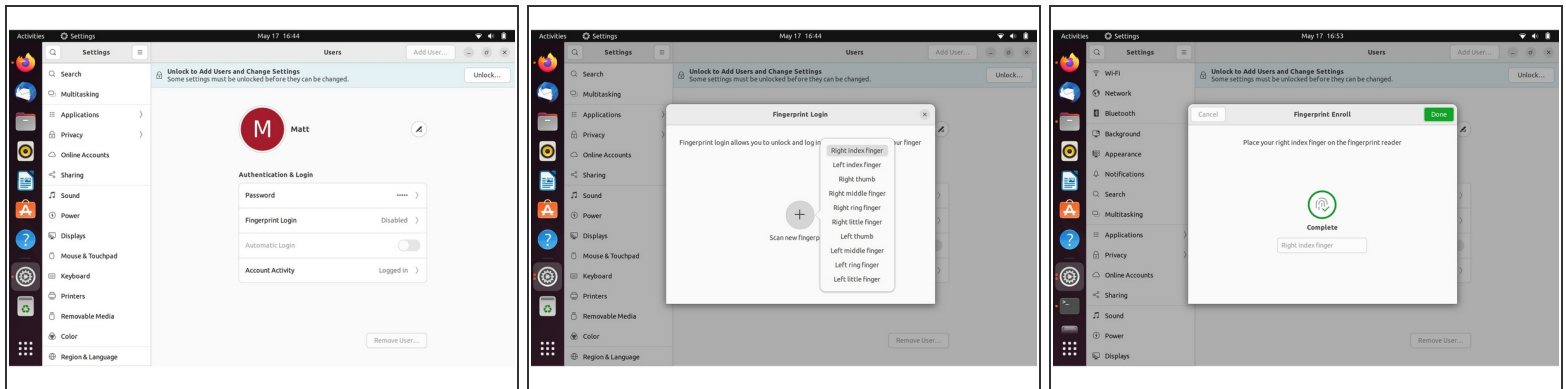
- Let's setup fingerprint login. Click on Activities, search for user.

- Choose Fingerprint Login. Then select Scan new fingerprint. Select your desired fingerprint. Carefully tap your finger tip on the sensor (power button). You may need to try a few attempts as everyone's prints are different.

- Once it's successful, you will see the word Complete.

⚠ If you're finding that it cannot enroll your fingerprint or you would like to allow sudo to also use your fingerprint, please click through to this [knowledge base article](#).

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Step 9 — Completing Setup

- We're almost done. Please follow the links to your individual Framework Laptop 13 model (11th, 12th or 13th Gen Intel Core)

  ⓘ [Click here](#) for the completion guide for 13th Gen Intel Core.

  ⓘ [Click here](#) for the completion guide for 12th Gen Intel Core.

  ⓘ [Click here](#) for the completion guide for 11th Gen Intel Core.

- 📌 Our recommendations for [Optimizing Ubuntu Battery Life](#).

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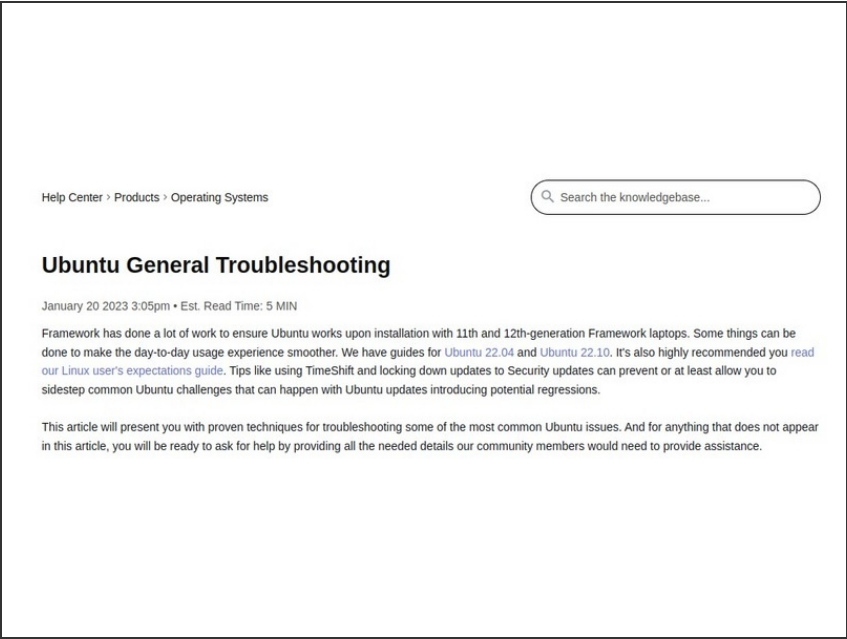
Step 10 — Recommended: Updating to the latest firmware
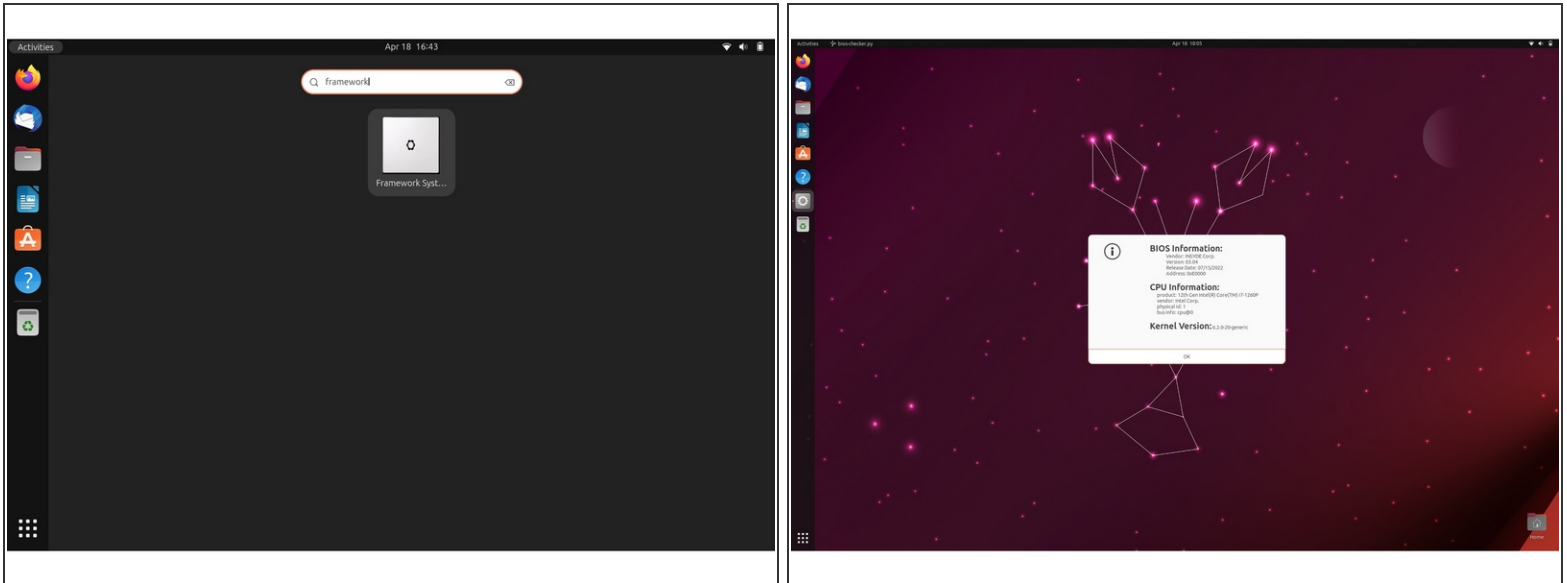
- Before updating to the latest firmware, let's make sure we verify which BIOS were running. Simply download and install this package. And here is the repository with the license, etc.

- Go to Activities, search for Framework System Details, launch the application. This will tell you the BIOS version your using, your CPU version (11th or 12th Gen Intel Core), and of course your kernel version on Ubuntu 23.04.

  ⚠ If you have Intel 11th Gen Intel Core, you can check here for the latest firmware.

  ⚠ If you have Intel 12th Gen Intel Core, you can check here for the latest firmware.

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Step 11 — Troubleshooting Ubuntu 23.04

- Please visit our [troubleshooting guide](#) first.

- If you need additional help, feel free to visit our [active support community](#).

Enjoy using Ubuntu on your Framework Laptop 13! If you have any questions or run into any issues, we recommend bringing them to the Community in the Ubuntu 23.04 topic. Members of the Framework team participate in discussions there.

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