# Oframework

# Ubuntu 22.04 LTS Installation on the Framework Laptop 13

How to install Ubuntu 22.04 LTS Linux on a Framework Laptop 13

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# INTRODUCTION

Once you have your Framework Laptop 13 set up following the <u>Quick Start Guide</u>, you're ready to install your preferred OS. Ubuntu 22.04 LTS works fantastically well.

**NOTE**: This is an <u>Officially Supported Linux Distribution</u>. <u>Learn more here</u>.

# PARTS:

• Storage Expansion Card (1)

#### Step 1 — Preparing Ubuntu Installation Media

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ubuntu-21amd64.iso	USB DISKsk Device	Flash!	Starting Cancel	Turn a Raspberry Pi into an Airplay server us mirroring on tvs, monitors and projectors.	sing RPiPlay to enable screen
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3.12 GB				Works with	Get started
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- First, download the latest <u>Ubuntu 22.04 LTS Desktop image</u> from Ubuntu's website. Ubuntu has a <u>detailed installation guide</u> 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 <u>balenaEtcher</u> 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-22.04-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.

## Step 2 — Booting to Live Ubuntu USB

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Boot Option Henu EF1 Boot Devices Linpus lite (General UDisk) ubuntu (220362440508-WD_BLACK SN770 250GB) 1 and 1 to change option, ENTER to select an option, ESC to exc	Invaria       Ibuntu (safe graphics)         OPI install (for annutacturers)       OPI install (for annutacturers)         Bot [Firware Settings]       Image: Settings	Final         Barbal         Barbal<

- 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

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Keyboard layout		Updates and other software			
Choose your keyboard layout: English (Australian) English (Cameroon) English (Chana) English (Nigeria) English (Nigeria) English (UK) English (UK) Esperanto Estonian Farcese Filipino Finnish French Type here to test your keyboard Detect Keyboard Layout	English (US) English (US) - Cherokee English (US) - English (Colemak) English (US) - English (Dvorak, lat. intl.) English (US) - English (Dvorak, intl., with dead keys) English (US) - English (Dvorak, intl., with dead keys) English (US) - English (Dvorak, right-handed) English (US) - English (Macintosh) English (US) - English (Macintosh) English (US) - English (Morman) English (US) - English (VS, alt. intl.) English (US) - English (US, alt. intl.) English (US) - English (US, euro on 5) English (US) - English (Us, intl., with dead keys)	<ul> <li>What apps would you like to install to start with?</li> <li>Normal installation <ul> <li>Web browser, utilities, office software, games, and media players.</li> <li>Minimal installation</li> <li>Web browser and basic utilities.</li> </ul> </li> <li>Other options <ul> <li>Oxonload updates while installing Ubuntu</li> <li>This saves time after installation.</li> </ul> </li> <li>Install third-party software for graphics and Wi-Fi hardware and additional media formats <ul> <li>This software is subject to license terms included with its documentation. Some is proprietary.</li> </ul> </li> </ul>			
	Quit Back Continue	Quit Back Continue			
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- 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.

#### Step 4 — Installing Ubuntu Part 2

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This computer currently has no detected operating systems. What would you like to do?  Prove disk and install Ubuntur  Advanced features	Lodon	Vour name: Vour computer's name: The name it uses when it taks to other computers. Pick a username: Choose a password: Cooffirm your password: Log In automatically • Require my password to log in Back Continue
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- 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

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Accounts can be added and removed at any time from the Settings application.			ome			ome

- Once rebooted, you'll be prompted to login, do so with your username and password. 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.
- You may already have a window like the third image shown on the left appear before opening the updater this happens and is totally fine. If this happens, go ahead and select Install now.

#### Step 8 — Installing Ubuntu Part 6 (Fingerprint Login)

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- 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 experiencing issues getting your fingerprint reader working, please <u>follow our help guide</u> to get your reader working for you on Ubuntu.

#### Step 9 — Completing Setup

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- We're almost done. Please follow the links to your individual Framework Laptop 13 model (11th, 12th or 13th Gen Intel Core)
  - ② <u>Click here</u> for the completion guide for **13th Gen Intel Core**
  - ② <u>Click here</u> for the completion guide for **12th Gen Intel Core**.
  - ② <u>Click here</u> for the completion guide for **11th Gen Intel Core**.
  - ② <u>Click here</u> for the completion guide for AMD Ryzen 7040 Series.
- Our recommendations for <u>Optimizing Ubuntu Battery Life</u>.

#### Step 10 — Recommended: Updating to the latest firmware



- Before updating to the latest firmware, let's make sure we verify which BIOS were running. <u>Please</u> <u>follow this guide</u>.
  - ⚠ 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.
  - ▲ If you have Intel 13th Gen Intel Core, you can check <u>here for the latest firmware</u>.
  - △ If you have AMD Ryzen 7040 Series, you can check here for the latest firmware.

#### Step 11 — Troubleshooting Ubuntu 22.04



- Expecting two-finger right clicking and need help? <u>The touchpad help</u> <u>guide</u> is here.
- Please visit our <u>troubleshooting</u> <u>guide</u> first.
- If you need additional help, feel free to visit our <u>active support</u> <u>community</u>.

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 <u>Ubuntu 22.04 topic</u>. Members of the Framework team participate in discussions there.