

# Taller de Instalación de Linux

Robotech

URJC

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# ¿Quiénes somos?

- Javier Izquierdo Hernández:  
Estudiante de ingeniería robótica software (3º año).
- Iker Peral del Pino:  
Estudiante de ingeniería robótica software (3º año).
- Alba Cruz Rodríguez:  
Estudiante de ingeniería robótica software (3º año).



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# Distribuciones de Linux

Muchas diferentes distribuciones para diferentes necesidades. La mayoría de ellas Open Source.



# ¿Por qué Ubuntu?

Por ROS2.



# Diferentes Escritorios. Sabores de Ubuntu

- Gnome: Ubuntu estándar
- KDE: Tuxedo Os 2, Kubuntu
- Cinnamon: Mint, Ubuntu Cinnamon
- Otros: Lubuntu, Ubuntu Budgie, Ubuntu MATE ...



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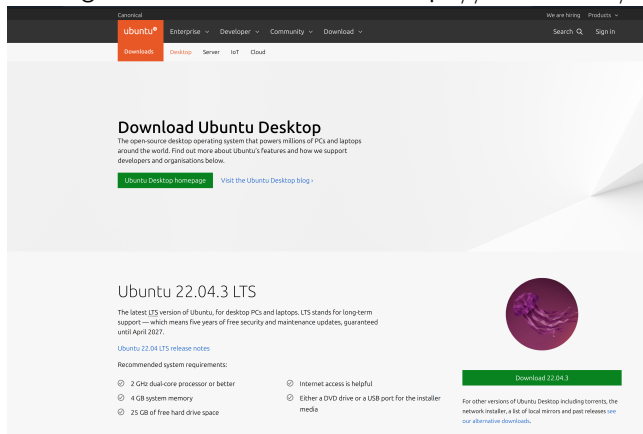


# Requisitos previos

- Espacio disponible de al menos 50 Gb. Recomendado 150-200 Gb.
- Usb de al meno 8 Gb vacio.

# Instalar Ubuntu desde Windows

Descargar Ubuntu 22.04 LTS .iso: <https://ubuntu.com/download/desktop>



The screenshot shows the Ubuntu website's download page for the desktop version. The header includes the Canonical logo, navigation links for Enterprise, Developer, Community, and Download, and a search bar. The main section is titled 'Download Ubuntu Desktop' and describes it as an open-source operating system. Below this, there's a green button for 'Ubuntu Desktop homepage' and a link to 'Visit the Ubuntu Desktop blog'. The section for 'Ubuntu 22.04.3 LTS' provides details about its long-term support until April 2027 and lists recommended system requirements: a 2 GHz dual-core processor, 4 GB of RAM, 25 GB of free disk space, internet access, and either a DVD drive or a USB port. A green 'Download 22.04.3' button is prominently displayed, along with a link to alternative download methods like torrents and network installers.

Canonical

ubuntu®

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## Download Ubuntu Desktop

The open-source desktop operating system that powers millions of PCs and laptops around the world. Find out more about Ubuntu's features and how we support developers and organisations below.

[Ubuntu Desktop homepage](#) [Visit the Ubuntu Desktop blog](#)

## Ubuntu 22.04.3 LTS

The latest LTS version of Ubuntu, for desktop PCs and laptops. LTS stands for long-term support — which means five years of free security and maintenance updates, guaranteed until April 2027.

[Ubuntu 22.04 LTS release notes](#)

Recommended system requirements:

- 2 GHz dual-core processor or better
- 4 GB system memory
- 25 GB of free hard drive space
- Internet access is helpful
- Either a DVD drive or a USB port for the installer media

[Download 22.04.3](#)

For other versions of Ubuntu Desktop including torrents, the network installer, a list of local mirrors and past releases [see our alternative downloads](#).



# Crear un USB Live en Windows

Instalar BalenaEtcher: <https://etcher.balena.io>

- Select image → El .iso descargado
- Select drive → El usb que vamos a usar para la instalación (mínimo 8gb)
- Flash!

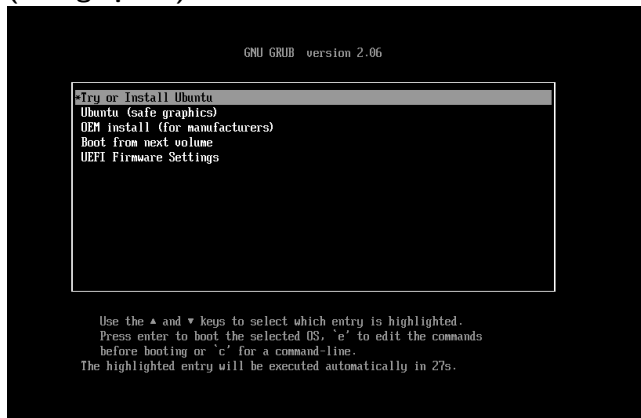


- 1 Apagar el ordenador.
- 2 Mientras encendemos el ordenador pulsamos F2 o F7 (puede ser otra tecla, depende del fabricante) para acceder a la BIOS o al boot menu.
- 3 Seleccionamos arrancar desde el USB



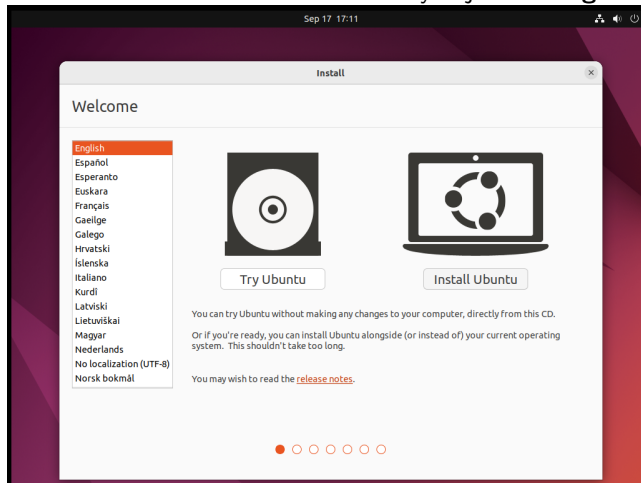
# Iniciar Ubuntu

Seleccionar **Install Ubuntu**. Si tienes NVIDIA a lo mejor tienes que seleccionar **(safe graphics)**.



# Instalar Ubuntu

Seleccionar **Install Ubuntu** otra vez y dejarlo en **Inglés**



# Instalar Ubuntu

Seleccionar el tipo de instalación. Recomendamos la instalación normal.  
Seleccionar la opción de third-party software.

Sep 17 17:13

Install

## Updates and other software

What apps would you like to install to start with?

☒ Normal installation  
Web browser, utilities, office software, games, and media players.

☐ Minimal installation  
Web browser and basic utilities.

Other options

☒ Download updates while installing Ubuntu  
This saves time after installation.

☒ Install third-party software for graphics and Wi-Fi hardware and additional media formats  
This software is subject to license terms included with its documentation. Some is proprietary.  
Installing third-party drivers requires configuring Secure Boot. To do this, you need to choose a security key now, and enter it when the system restarts. [Learn more...](#)

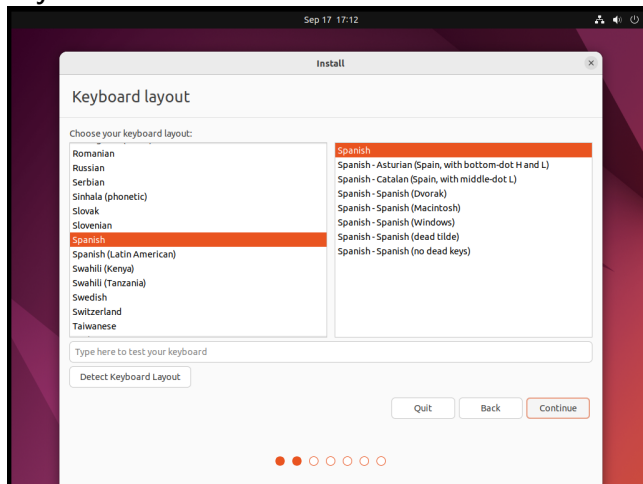
☐ Configure Secure Boot  
Choose a password:   
Confirm your password:

Quit Back Continue

● ● ● ● ○ ○

# Instalar Ubuntu

Seleccionar el teclado correcto. Si no sabes cual es da en **Detect Keyboard Layout**.



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# Instalar Ubuntu con Windows 10/11

Cuidado, no dudes en Preguntar

Seleccionar **Instalar junto con Windows 10/11**.

## Installation type

This computer currently has Windows 10 on it. What would you like to do?

- ☒ Install Ubuntu alongside Windows 10  
Documents, music, and other personal files will be kept. You can choose which operating system you want each time the computer starts up.
- ☐ Erase disk and install Ubuntu  
**Warning:** This will delete all your programs, documents, photos, music, and any other files in all operating systems.  
[Advanced features...](#) None selected
- ☐ Something else  
You can create or resize partitions yourself, or choose multiple partitions for Ubuntu.

Quit

Back

Continue



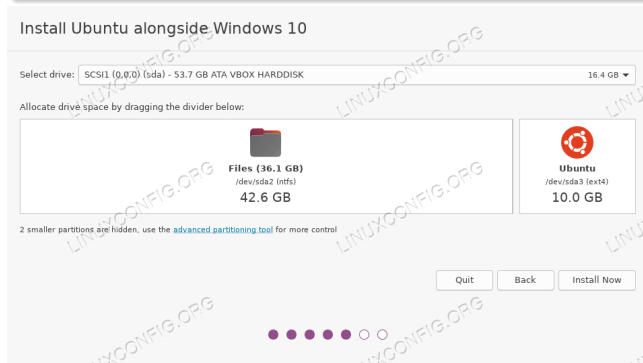
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# Instalar Ubuntu con Windows 10/11

## Cuidado, no dudes en Preguntar

Mueve el slider de Ubuntu hasta un tamaño adecuado. Recomendado 150-200 Gb.

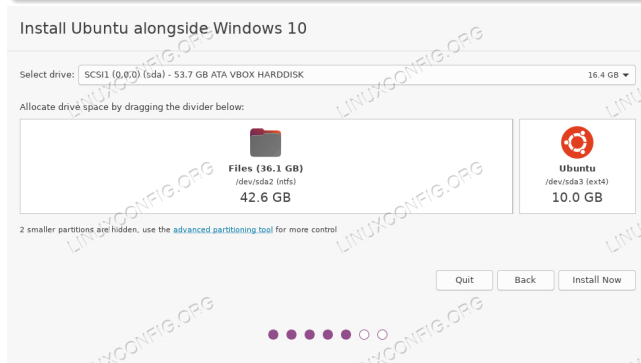




# Instalar Ubuntu con Windows 10/11

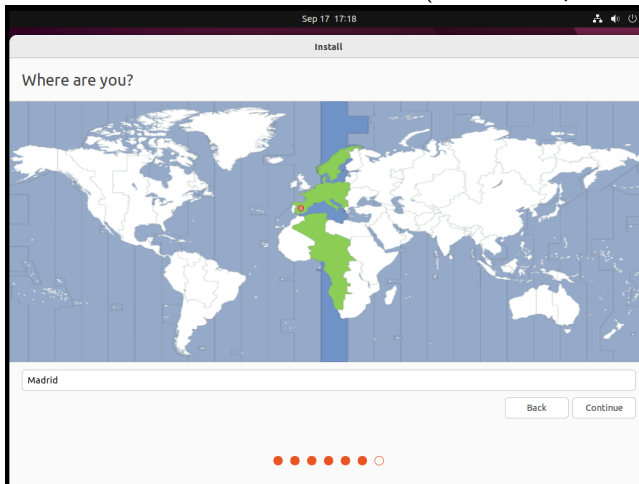
## Cuidado, no dudes en Preguntar

Acepta todos los avisos, sabiendo que lo que se borre será irreversible.



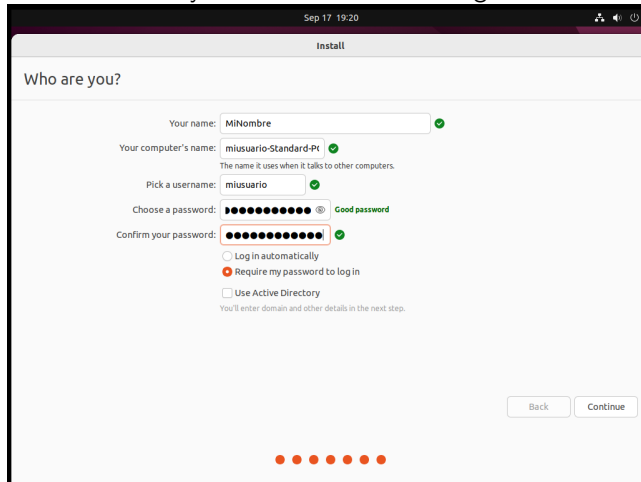
# Acabar de Instalar Ubuntu

Selecciona la zona horaria de Madrid (Suele venir por defecto) .



# Acabar de Instalar Ubuntu

Crea tu nombre y nombre de usuario. Luego rellena la contraseña.

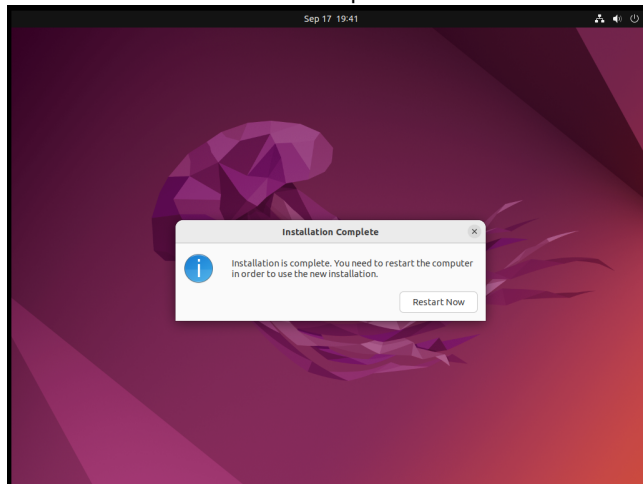


The screenshot shows the 'Install' window titled 'Who are you?'. It contains the following fields and options:

- Your name:** A text box containing 'MiNombre' with a green checkmark to its right.
- Your computer's name:** A text box containing 'miusuario-Standard-Pc' with a green checkmark to its right. Below it, a small text says 'The name it uses when it talks to other computers.'
- Pick a username:** A text box containing 'miusuario' with a green checkmark to its right.
- Choose a password:** A password field with 12 dots, a key icon, and the text 'Good password' in green.
- Confirm your password:** A password field with 12 dots and a green checkmark to its right. This field is highlighted with a red rectangle.
- Log in options:**
  - ☐ Log in automatically
  - ☒ Require my password to log in
  - ☐ Use Active Directory
- Footer text:** 'You'll enter domain and other details in the next step.'
- Buttons:** 'Back' and 'Continue' buttons at the bottom right.
- Progress:** A row of 10 orange dots at the bottom, with the 6th dot filled.

# Reinicia Ubuntu

Cuando este todo instalado te pedirá reiniciar el sistema.



Selecciona Ubuntu, y ya puedes usar Ubuntu en nativo.



# Algunos enlaces interesantes

- GNU → <https://www.gnu.org/>
- FSF → <https://www.fsf.org/>
- Un blog de Open Source → <https://itsfoss.com/>
- Un canal de cosas relacionadas con linux → <https://www.youtube.com/@TheLinuxEXP>



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# Menciones especiales

- Gorka Guardiola [paurea@gmail.com](mailto:paurea@gmail.com)
- Enrique Soriano [enrique.soriano@urjc.es](mailto:enrique.soriano@urjc.es)