

Taller de Instalación de Linux

Robotech

URJC

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¿Quiénes somos?

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

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



¿Por qué Linux?

- Linux es gratis.
- Mucho software es OpenSource.
- Infinidad de configuraciones diferentes.
- Más control sobre tu privacidad.
- Menos virus.
- Más sencillo programar en varios languages.



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¿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.

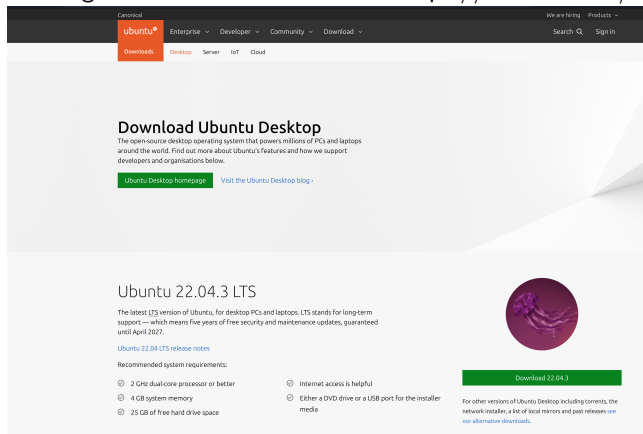


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Instalar Ubuntu desde Windows

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 the open-source desktop operating system. Below this, there's a link to the 'Ubuntu Desktop homepage' and a link to 'Visit the Ubuntu Desktop blog'. The section for 'Ubuntu 22.04.3 LTS' highlights it as the latest LTS version with long-term support until April 2027. It lists recommended system requirements: a 2 GHz dual-core processor or better, 4 GB system memory, 25 GB of free hard drive space, internet access, and either a DVD drive or a USB port. A green button labeled 'Download 22.04.3' is prominently displayed. To the right of the button, there's a link to 'For other versions of Ubuntu Desktop including torrents, the network installer, a list of local mirrors and past releases see our alternative downloads.'

Canonical

ubuntu®

Enterprise ▾ Developer ▾ Community ▾ Download ▾

We are hiring Products ▾

Search 🔍 Sign in

Downloads Desktop Server IoT Cloud

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!

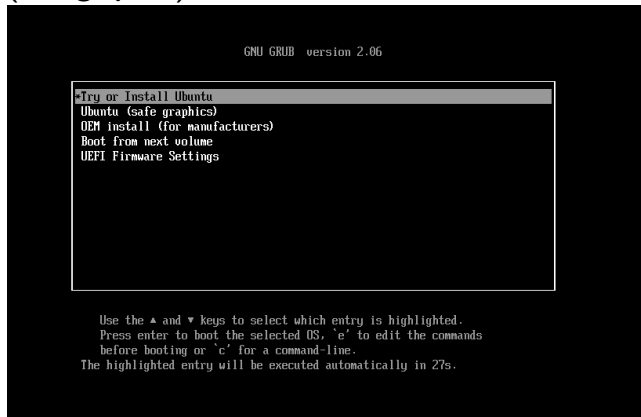


- 1 Apagar el ordenador.
- 2 Mientras encendemos el ordenador pulsamos F2 o F7 (puede ser otra tecla, depende del fabricante) para acceder a la BIOS o al boot menu.
- 3 Seleccionamos arrancar desde el USB



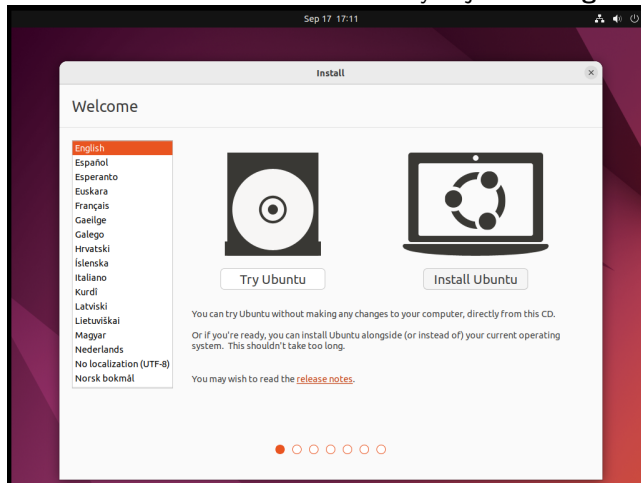
Iniciar Ubuntu

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...](#)

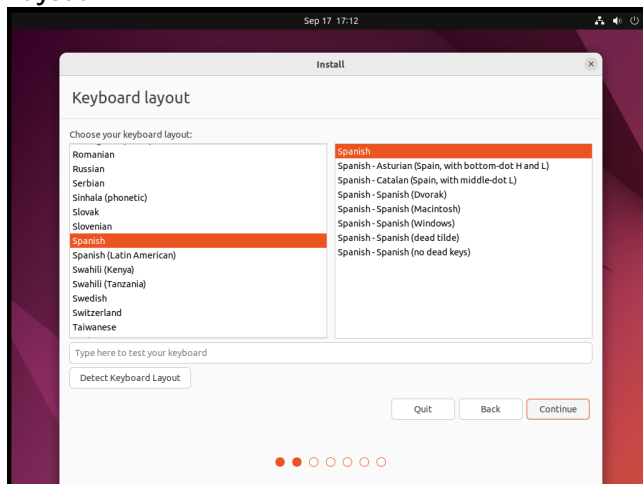
☐ Configure Secure Boot
Choose a password:

Confirm your password:

Quit Back Continue

Instalar Ubuntu

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



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



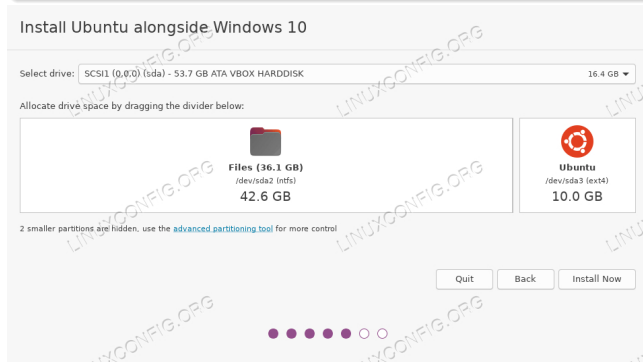
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Instalar Ubuntu con Windows 10/11

Cuidado, no dudes en Preguntar

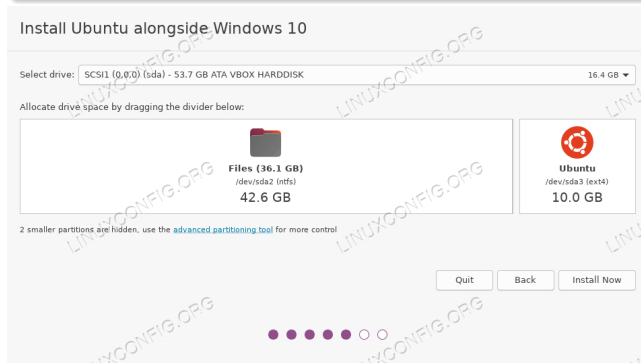
Mueve el slider de Ubuntu hasta un tamaño adecuado. Recomendado 150-200 Gb.



Instalar Ubuntu con Windows 10/11

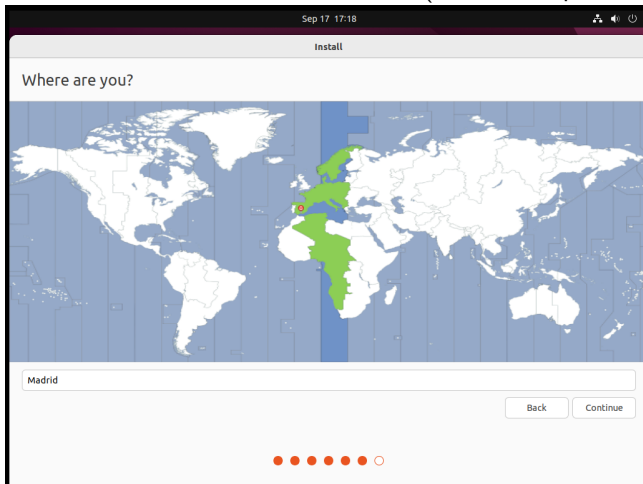
Cuidado, no dudes en Preguntar

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



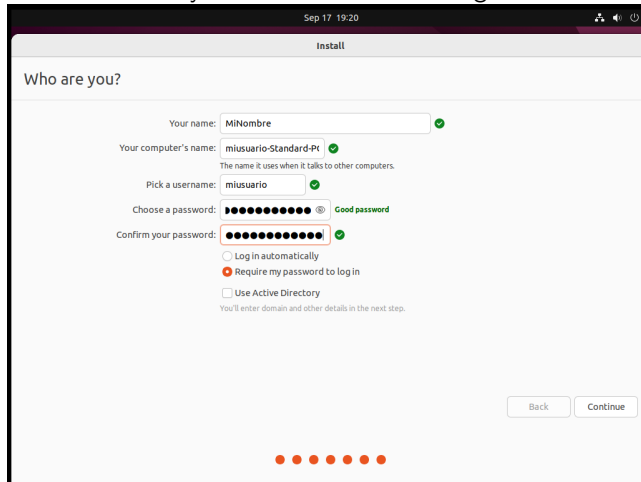
Acabar de Instalar Ubuntu

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.

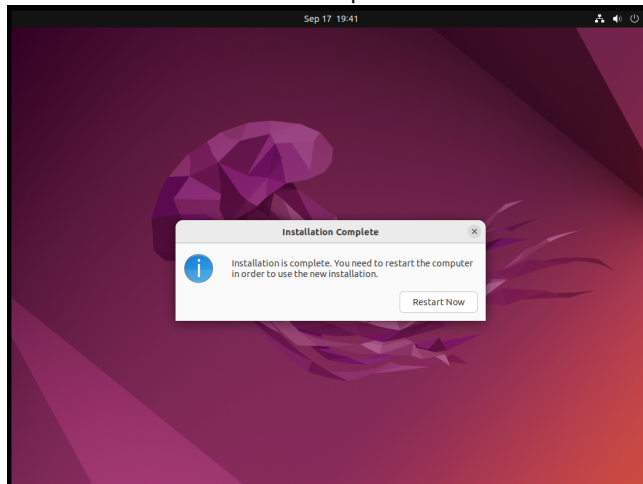


The screenshot shows the 'Install' window of the Ubuntu installer. The title bar says 'Sep 17 19:20'. The main heading is 'Who are you?'. Below it, there are several input fields and checkboxes:

- 'Your name:' with the text 'MiNombre' and a green checkmark.
- 'Your computer's name:' with the text 'miusuario-Standard-Pc' and a green checkmark. Below this, it says 'The name it uses when it talks to other computers.'
- 'Pick a username:' with the text 'miusuario' and a green checkmark.
- 'Choose a password:' with a series of black dots and a green checkmark. To the right, it says 'Good password'.
- 'Confirm your password:' with a series of black dots and a green checkmark. This field is highlighted with a red rectangle.
- Below the password fields, there are three radio buttons:
 - ☐ Log in automatically
 - ☒ Require my password to log in
 - ☐ Use Active Directory
- Below the radio buttons, it says 'You'll enter domain and other details in the next step.'
- At the bottom right, there are two buttons: 'Back' and 'Continue'.
- At the bottom center, there are six orange dots.

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

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