

## Actualizar el sistema

```
root@ubuntu:/home/ubuntu# sudo apt update
Ign:1 cdrom://Ubuntu 24.04.3 LTS _Noble Numbat_ - Release amd64 (20250805.1) noble InRelease
Hit:2 cdrom://Ubuntu 24.04.3 LTS _Noble Numbat_ - Release amd64 (20250805.1) noble Release
Get:3 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://security.ubuntu.com/ubuntu noble-security/main i386 Packages [339 kB]
Hit:6 http://archive.ubuntu.com/ubuntu noble InRelease
Get:7 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1,222 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [1,498 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [204 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:13 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [8,968 B]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [892 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe i386 Packages [552 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [197 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [18.2 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/restricted i386 Packages [20.5 kB]
Get:20 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [1,978 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [450 kB]
Get:22 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:23 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [520 B]
Get:24 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [28.0 kB]
Get:25 http://security.ubuntu.com/ubuntu noble-security/multiverse i386 Packages [6,072 B]
Get:26 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [5,844 B]
Get:27 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:28 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [384 B]
```

```
root@UbuntuDesktop2:/home/vboxuser# sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
  libllvm19
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
  libllvm20
The following upgrades have been deferred due to phasing:
  bluez bluez-cups bluez-obexd libbluetooth3
The following packages will be upgraded:
  bind9-dnsutils bind9-host bind9-libs cloud-init coreutils dconf-cli
  dconf-gsettings-backend dconf-service fwupd gdm3 gir1.2-gdm-1.0
  gir1.2-gtk-4.0 gir1.2-nm-1.0 gnome-shell-extension-desktop-icons-ng
  libdconf1 libegl-mesa0 libfwupd2 libgbm1 libgdm1 libgl1-mesa-dri
  libglx-mesa0 libgtk-4-1 libgtk-4-bin libgtk-4-common
  libgtk-4-media-gstreamer libgtop-2.0-11 libgtop2-common libipa-hbac0t64
  libmalcontent-0-0 libnm0 libnss-sss libnss-systemd libpam-sss libpam-systemd
  libsss-certmap0 libsss-idmap0 libsss-nss-idmap0 libsystemd-shared
  libsystemd0 libudev1 libwireplumber-0.4-0 libxatracker2 mesa-libgallium
  mesa-vulkan-drivers network-manager
  network-manager-config-connectivity-ubuntu openssh-client openvpn
```

## Instalar Apache (Servidor Web)

```

root@UbuntuDesktop2:/home/vboxuser# sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils libapr1t64 libaprutil1-dbd-sqlite3
  libaprutil1-ldap libaprutil1t64
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1t64
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libaprutil1t64
0 upgraded, 8 newly installed, 0 to remove and 82 not upgraded.
Need to get 1,902 kB of archives.
After this operation, 7,451 kB of additional disk space will be used.
Get:1 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 libapr1t64 am
d64 1.7.2-3.1ubuntu0.1 [108 kB]
Get:2 http://es.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1t64 amd64
1.6.3-1.1ubuntu7 [91.9 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-dbd-sqlit
e3 amd64 1.6.3-1.1ubuntu7 [11.2 kB]
Get:4 http://es.archive.ubuntu.com/ubuntu noble/main amd64 libaprutil1-ldap amd6
4 1.6.3-1.1ubuntu7 [9,116 B]

```

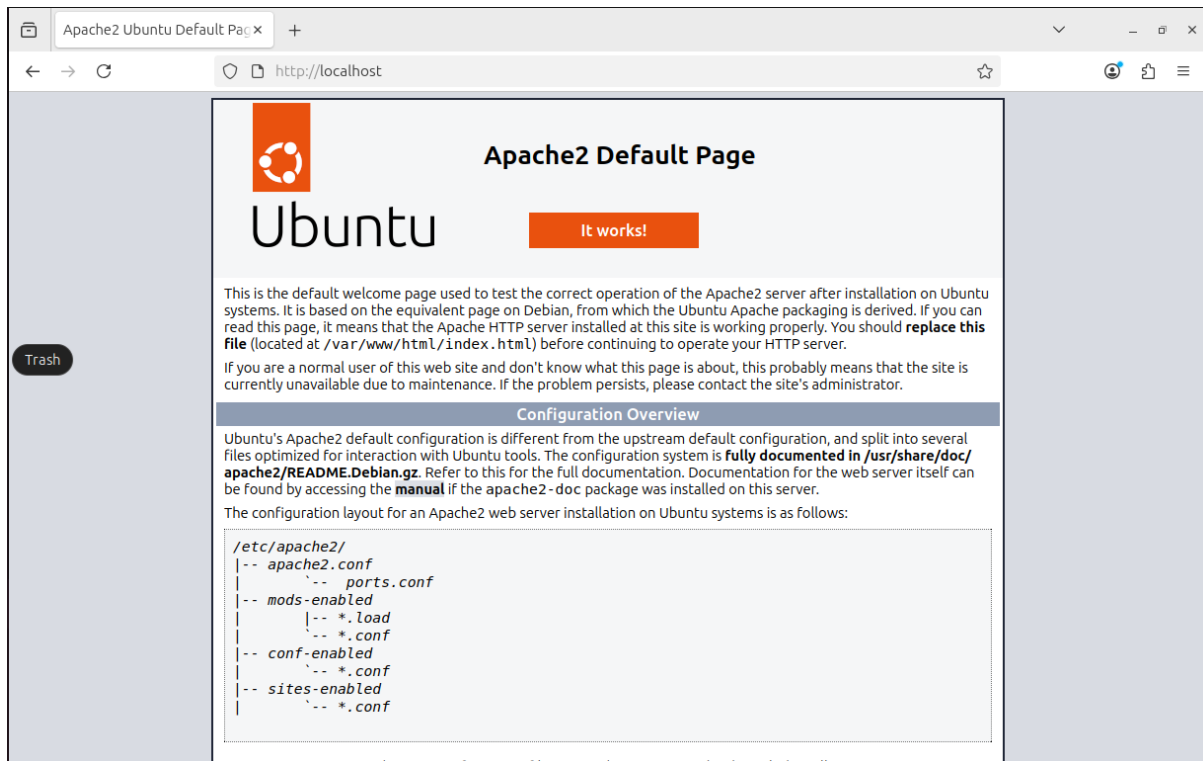
Verificar servicio:

```

root@UbuntuDesktop2:/home/vboxuser# sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/apache2.service; enabled; preset: >
   Active: active (running) since Fri 2025-10-17 07:20:26 UTC; 42s ago
     Docs: https://httpd.apache.org/docs/2.4/
  Main PID: 6113 (apache2)
    Tasks: 55 (limit: 4603)
   Memory: 5.6M (peak: 6.3M)
      CPU: 59ms
   CGroup: /system.slice/apache2.service
           └─6113 /usr/sbin/apache2 -k start
             └─6116 /usr/sbin/apache2 -k start
               └─6117 /usr/sbin/apache2 -k start

Oct 17 07:20:26 UbuntuDesktop2 systemd[1]: Starting apache2.service - The Apach>
Oct 17 07:20:26 UbuntuDesktop2 apachectl[6112]: AH00558: apache2: Could not rel>
Oct 17 07:20:26 UbuntuDesktop2 systemd[1]: Started apache2.service - The Apache>
lines 1-16/16 (END)

```



## Instalar MySQL (Base de Datos)

```
root@UbuntuDesktop2:/home/vboxuser# sudo apt install mysql-server -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libaio1t64 libcbgi-fast-perl libcbgi-pm-perl libevent-core-2.1-7t64
  libevent-pthreads-2.1-7t64 libfcgi-bin libfcgi-perl libfcgi0t64
  libhtml-template-perl libmecab2 libprotobuf-lite32t64 mecab-ipadic
  mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0
  mysql-common mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  libipc-sharedcache-perl mailx tinycal
The following NEW packages will be installed:
  libaio1t64 libcbgi-fast-perl libcbgi-pm-perl libevent-core-2.1-7t64
  libevent-pthreads-2.1-7t64 libfcgi-bin libfcgi-perl libfcgi0t64
  libhtml-template-perl libmecab2 libprotobuf-lite32t64 mecab-ipadic
  mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0
  mysql-common mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 20 newly installed, 0 to remove and 82 not upgraded.
Need to get 29.3 MB of archives.
After this operation, 242 MB of additional disk space will be used.
Get:1 http://es.archive.ubuntu.com/ubuntu noble/main amd64 mysql-common all 5.8+
1.1.0build1 [6,746 B]
Get:2 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-client-
```

sudo mysql\_secure\_installation

```
root@UbuntuDesktop2:/home/vboxuser# sudo mysql_secure_installation
```

Securing the MySQL server deployment.

Connecting to MySQL using a blank password.

The 'validate\_password' component is installed on the server.  
The subsequent steps will run with the existing configuration  
of the component.

Skipping password set for root as authentication with auth\_socket is used by default.

If you would like to use password authentication instead, this can be done with the "ALTER\_USER" command.

See <https://dev.mysql.com/doc/refman/8.0/en/alter-user.html#alter-user-password-management> for more information.

By default, a MySQL installation has an anonymous user,  
allowing anyone to log into MySQL without having to have  
a user account created for them. This is intended only for  
testing, and to make the installation go a bit smoother.  
You should remove them before moving into a production  
environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) : n

... skipping.

Normally, root should only be allowed to connect from  
'localhost'. This ensures that someone cannot guess at  
the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) : y

Success.

By default, MySQL comes with a database named 'test' that

---

By default, MySQL comes with a database named 'test' that  
anyone can access. This is also intended only for testing,  
and should be removed before moving into a production  
environment.

Remove test database and access to it? (Press y|Y for Yes, any other key for No) : y

- Dropping test database...

Success.

- Removing privileges on test database...

Success.

Reloading the privilege tables will ensure that all changes  
made so far will take effect immediately.

Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y

Success.

All done!

---

## Instalar PHP

```

root@UbuntuDesktop2:/home/vboxuser# sudo apt install php php-mysql libapache2-mod-php php-curl php-gd php-
mbstring php-xml php-xmlrpc php-intl php-zip -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package 'php' is not installed, so not removed
The following additional packages will be installed:
  libapache2-mod-php8.3 libsodium23 php-common php8.3 php8.3-cli php8.3-common php8.3-curl php8.3-gd php8.3-mysql
  php8.3-opcache php8.3-readline
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php8.3 libsodium23 php php-common php-curl php-gd php-mysql php8.3 php8.3-cli
  php8.3-common php8.3-curl php8.3-gd php8.3-mysql php8.3-opcache php8.3-readline
The following held packages will be changed:
  php
0 upgraded, 16 newly installed, 0 to remove and 82 not upgraded.
Need to get 5,288 kB of archives.
After this operation, 23.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://es.archive.ubuntu.com/ubuntu noble/main amd64 php-common all 2:93ubuntu2 [13.9 kB]
Get:2 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 php8.3-common amd64 8.3.6-0ubuntu0.24.04.5 [740 kB]
Get:3 http://es.archive.ubuntu.com/ubuntu noble-updates/main amd64 php8.3-opcache amd64 8.3.6-0ubuntu0.24.04.5 [371 kB]
14% [3 php8.3-opcache 104 B/371 kB 0%]

```

## Verificar PHP

```

root@UbuntuDesktop2:/home/vboxuser# php -v
PHP 8.3.6 (cli) (built: Jul 14 2025 18:30:55) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.3.6, Copyright (c) Zend Technologies
    with Zend OPcache v8.3.6, Copyright (c), by Zend Technologies
root@UbuntuDesktop2:/home/vboxuser#

```

## Reiniciar Apache:

```

root@UbuntuDesktop2:/home/vboxuser# sudo systemctl restart apache2
root@UbuntuDesktop2:/home/vboxuser#

```

## Acceder a MySQL

```
root@UbuntuDesktop2:/home/vboxuser# sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 17
Server version: 8.0.43-0ubuntu0.24.04.2 (Ubuntu)

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> █
```

## Crear base de datos y usuario

```
mysql> CREATE DATABASE wordpress;
Query OK, 1 row affected (0.02 sec)

mysql> CREATE USER 'wpuser'@'localhost' IDENTIFIED BY 'WordPress123!';GRANT ALL PRIVILEGES ON wordpress.* TO 'wpuser'@'localhost';
Query OK, 0 rows affected (0.01 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

mysql> EXIT;█
```

## Descargar WordPress

```
root@UbuntuDesktop2:/home/vboxuser# cd /tmp
wget https://wordpress.org/latest.tar.gz
tar -xzf latest.tar.gz
--2025-10-17 07:49:38-- https://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252, 2607:f978:5:8002::c68f:a4fc
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 26928488 (26M) [application/octet-stream]
Saving to: 'latest.tar.gz'

latest.tar.gz          100%[=====>] 25.68M  1.62MB/s  in 17s

2025-10-17 07:49:56 (1.50 MB/s) - 'latest.tar.gz' saved [26928488/26928488]

root@UbuntuDesktop2:/tmp# █
```

## Copiar archivos a Apache

```
root@UbuntuDesktop2:/tmp# sudo rm -rf /var/www/html/*
sudo cp -r wordpress/* /var/www/html/
root@UbuntuDesktop2:/tmp#
```

## Permisos

```
root@UbuntuDesktop2:/tmp# sudo chown -R www-data:www-data /var/www/html/
sudo chmod -R 755 /var/www/html/
root@UbuntuDesktop2:/tmp#
```

## Configurar wp-config.php

```
/** The name of the database for WordPress */
define( 'DB_NAME', 'wordpress' );

/** Database username */
define( 'DB_USER', 'wpuser' );

/** Database password */
define( 'DB_PASSWORD', 'WordPress123!' );

/** Database hostname */
define( 'DB_HOST', 'localhost' );

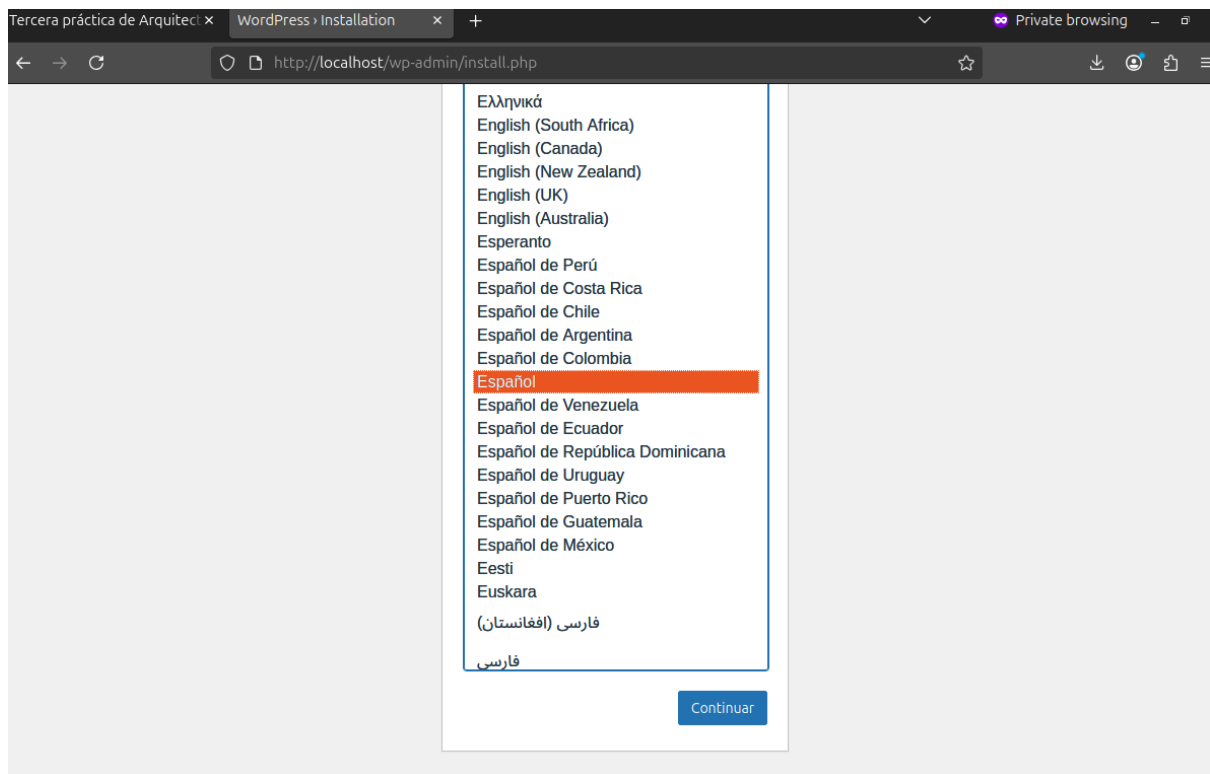
/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

/** The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );

/**#@+
 * Authentication unique keys and salts.
 * * Change these to different unique phrases! You can generate these using
```

## Finalizar configuración desde el sitio web





¡Este es el famoso proceso de instalación de WordPress en cinco minutos! Simplemente completa la información siguiente y estarás a punto de usar la más enriquecedora y potente plataforma de publicación personal del mundo.

### Información necesaria

Por favor, proporciona la siguiente información. No te preocupes, siempre podrás cambiar estos ajustes más tarde.

<b>Título del sitio</b>	<input type="text" value="Mi wp Svetlin"/>
<b>Nombre de usuario</b>	<input type="text" value="wpuser"/> <small>Los nombres de usuario pueden tener únicamente caracteres alfanuméricos, espacios, guiones bajos, guiones medios, puntos y el símbolo @.</small>
<b>Contraseña</b>	<div><input type="password" value="WordPress123!"/><span>Ocultar</span></div> <div>Débil</div> <p><b>Importante:</b> Necesitas esta contraseña para acceder. Por favor, guárdala en un lugar seguro.</p>
<b>Confirma la contraseña</b>	<input checked="" type="checkbox"/> Confirma el uso de una contraseña débil.
<b>Tu correo electrónico</b>	<input type="text" value="svetlinyouriy@gmail.com"/> <small>Comprueba bien tu dirección de correo electrónico antes de continuar.</small>
<b>Visibilidad en los motores de</b>	<input type="checkbox"/> Pedir a los motores de búsqueda que no indexen este sitio





## ¡Lo lograste!

WordPress ya está instalado. ¡Gracias, y que lo disfrutes!

**Nombre de usuario** wpuser

**Contraseña** *La contraseña que has elegido.*

[Acceder](#)

## Registro en ngrok



Authorize ngrok.com



**ngrok.com** by **ngrok-private**  
wants to access your 3TL1 account



**Personal user data**  
Email addresses (read-only)



Cancel

Authorize ngrok-private

Authorizing will redirect to  
<https://dashboard.ngrok.com>



Not owned or  
operated by GitHub



Created  
13 years ago



More than 1K  
GitHub users

[Learn more about OAuth](#)



Do you want to create an ngrok account for svetlinaryi@gmail.com?

☐ I accept the [terms of service](#) and [privacy policy](#)

Cancel

Create Account

3 STLI

Getting Started

Setup & Installation

Your Authtoken

Universal Gateway

Endpoints & Traffic Policy

Domains

TCP Addresses

TLS Certificates

Kubernetes Operators

Vaults & Secrets

IP Policies

TLS Certificate Authorities

Traffic Identities

Traffic Observability

Traffic Inspector

Log Exporting

Billing & Usage

Early Access

Support

Documentation

ngrok.com/docs

## Your Authtoken

Use this personal Authtoken to authenticate ngrok agents, SDKs, and the Kubernetes Operator for your own projects. Keep it secret, like a password.

.....

Copy

Add your Authtoken to the ngrok agent using any of these methods:

Service Users

Building an integration or shared automation? Create a [Service User](#) and generate dedicated Authtokens.

Command Line

Authenticate the ngrok agent. This saves your Authtoken to the default configuration file so you only have to do it once.

Command Line

Show Authtoken

ngrok config add-authtoken \$YOUR\_AUTHTOKEN

Configuration File

Help

Instalar ngrok en Ubuntu

```

root@UbuntuDesktop2:/tmp# cd ~
wget https://bin.equinox.io/c/BJWyj1mQVY4c/ngrok-v3-stable-linux-amd64.tgz
--2025-10-17 08:17:25-- https://bin.equinox.io/c/BJWyj1mQVY4c/ngrok-v3-stable-linux-amd64.tgz
Resolving bin.equinox.io (bin.equinox.io)... 13.248.244.96, 35.71.179.82, 75.2.60.68, ...
Connecting to bin.equinox.io (bin.equinox.io)|13.248.244.96|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9315483 (8.9M) [application/octet-stream]
Saving to: 'ngrok-v3-stable-linux-amd64.tgz'

ngrok-v3-stable-linux-amd64.t 100%[=====] 8.88M 1.45MB/s in 6.6s

2025-10-17 08:17:33 (1.35 MB/s) - 'ngrok-v3-stable-linux-amd64.tgz' saved [9315483/9315483]

root@UbuntuDesktop2:~# █

```

Extraer el archivo:

```

root@UbuntuDesktop2:~# tar -xvzf ngrok-v3-stable-linux-amd64.tgz
ngrok
root@UbuntuDesktop2:~#

```

Mover ngrok a una ubicación del sistema:

```

root@UbuntuDesktop2:~# sudo mv ngrok /usr/local/bin/
root@UbuntuDesktop2:~#

```

Verificar instalación

```

root@UbuntuDesktop2:~# ngrok version
ngrok version 3.30.0
root@UbuntuDesktop2:~#

```

– Autenticar ngrok

```

root@UbuntuDesktop2:~# ngrok config add-authtoken 34BZRRZFvR1GFKuAWThHvEw9dz8_5CtxoxjCTL1BBGPm7V251
Authtoken saved to configuration file: /root/.config/ngrok/ngrok.yml
root@UbuntuDesktop2:~# █

```

## Iniciar túnel HTTP

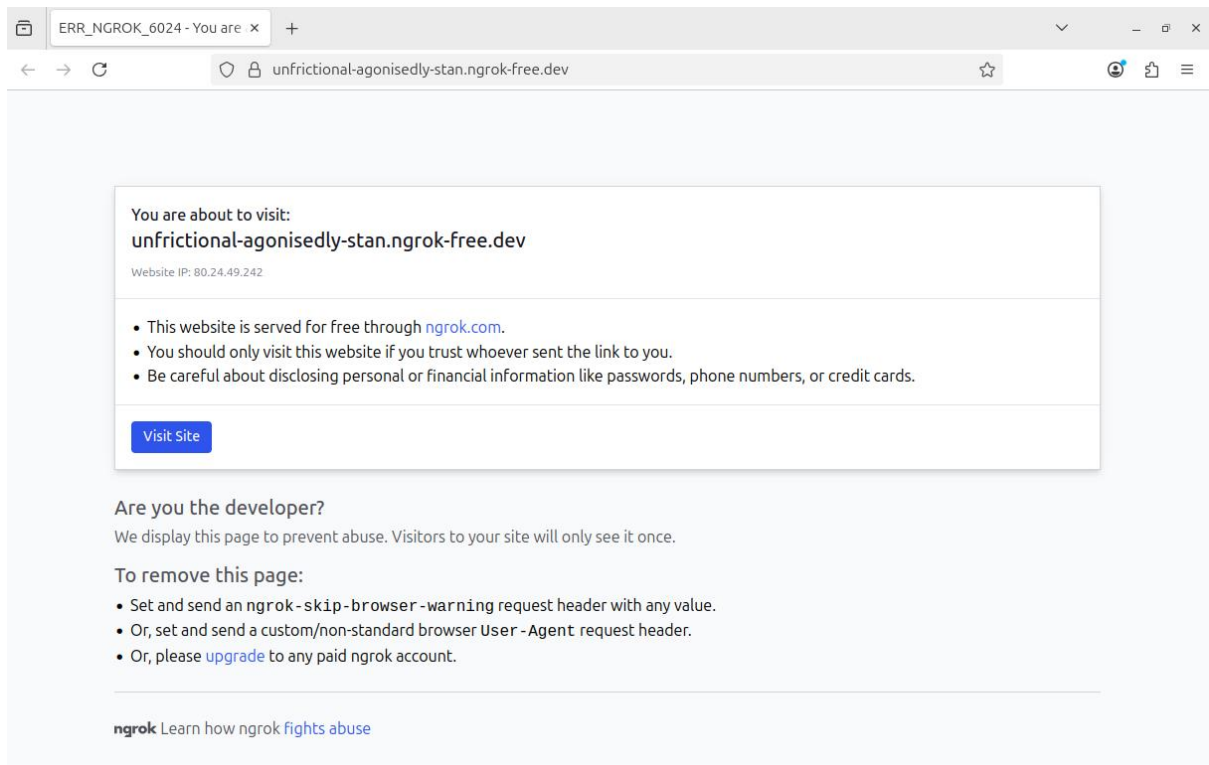
```
ngrok (Ctrl+C)

🐶 Using ngrok for OSS? Request a community license: https://ngrok.com/r/oss

Session Status      online
Account             3TL1 (Plan: Free)
Version             3.30.0
Region              Europe (eu)
Web Interface        http://127.0.0.1:4040
Forwarding           https://unfrictional-agonisedly-stan.ngrok-free.dev -> http://localhost:80

Connections          ttl    opn    rt1    rt5    p50    p90
                    0      0      0.00   0.00   0.00   0.00
```

## Anotar URLs /Probar acceso



# Blog

## ¡Hola, mundo!

Te damos la bienvenida a WordPress. Esta es tu primera entrada. Edítala o bórrala, ¡luego empieza a escribir!

17 de octubre de 2025

## Verificación

