

ARQUITECTURA EN LA NUBE-INSTALACIÓN DE WORDPRESS

1. Configuración inicial del servicio en la nube.

```
root@Ubuntunu:/home/vboxuser# 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 07:15:34 UTC; 49s ago
     Docs: https://httpd.apache.org/docs/2.4/
    Main PID: 14548 (apache2)
      Tasks: 55 (limit: 4603)
     Memory: 5.5M (peak: 6.0M)
        CPU: 53ms
    CGroup: /system.slice/apache2.service
            └─14548 /usr/sbin/apache2 -k start
              └─14552 /usr/sbin/apache2 -k start
                └─14553 /usr/sbin/apache2 -k start
```

2. Creación de la instancia en el proveedor de nube.

```
root@Ubuntunu:/home/vboxuser# systemctl status mysql
● mysql.service - MySQL Community Server
   Loaded: loaded (/usr/lib/systemd/system/mysql.service; enabled; preset:
   Active: active (running) since Fri 2025-10-17 07:19:36 UTC; 4min 58s ago
    Main PID: 15800 (mysqld)
      Status: "Server is operational"
      Tasks: 39 (limit: 4603)
     Memory: 364.2M (peak: 378.4M)
        CPU: 5.795s
    CGroup: /system.slice/mysql.service
            └─15800 /usr/sbin/mysqld
```

3. Asignación de recursos (CPU, memoria y almacenamiento).

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

mysql> CREATE USER 'wpuser'@'localhost' IDENTIFIED BY 'WordPress123!';
Query OK, 0 rows affected (0.02 sec)

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

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql> EXIT;
Bye
```

4. Conexión a la instancia mediante SSH.

```
root@Ubuntunu:/tmp# tar -xzf latest.tar.gz
root@Ubuntunu:/tmp# rm -rf /var/www/html/*
rm: invalid option -- '/'
Try 'rm --help' for more information.
root@Ubuntunu:/tmp# rm -rf /var/www/html/*
root@Ubuntunu:/tmp# cp -r wordpress/* /var/www/html/
root@Ubuntunu:/tmp# chown -R www-data:www-data /var/www/html/
root@Ubuntunu:/tmp# chmod -R 755 /var/www/html/
root@Ubuntunu:/tmp#
```

5. Instalación de Apache en el servidor.

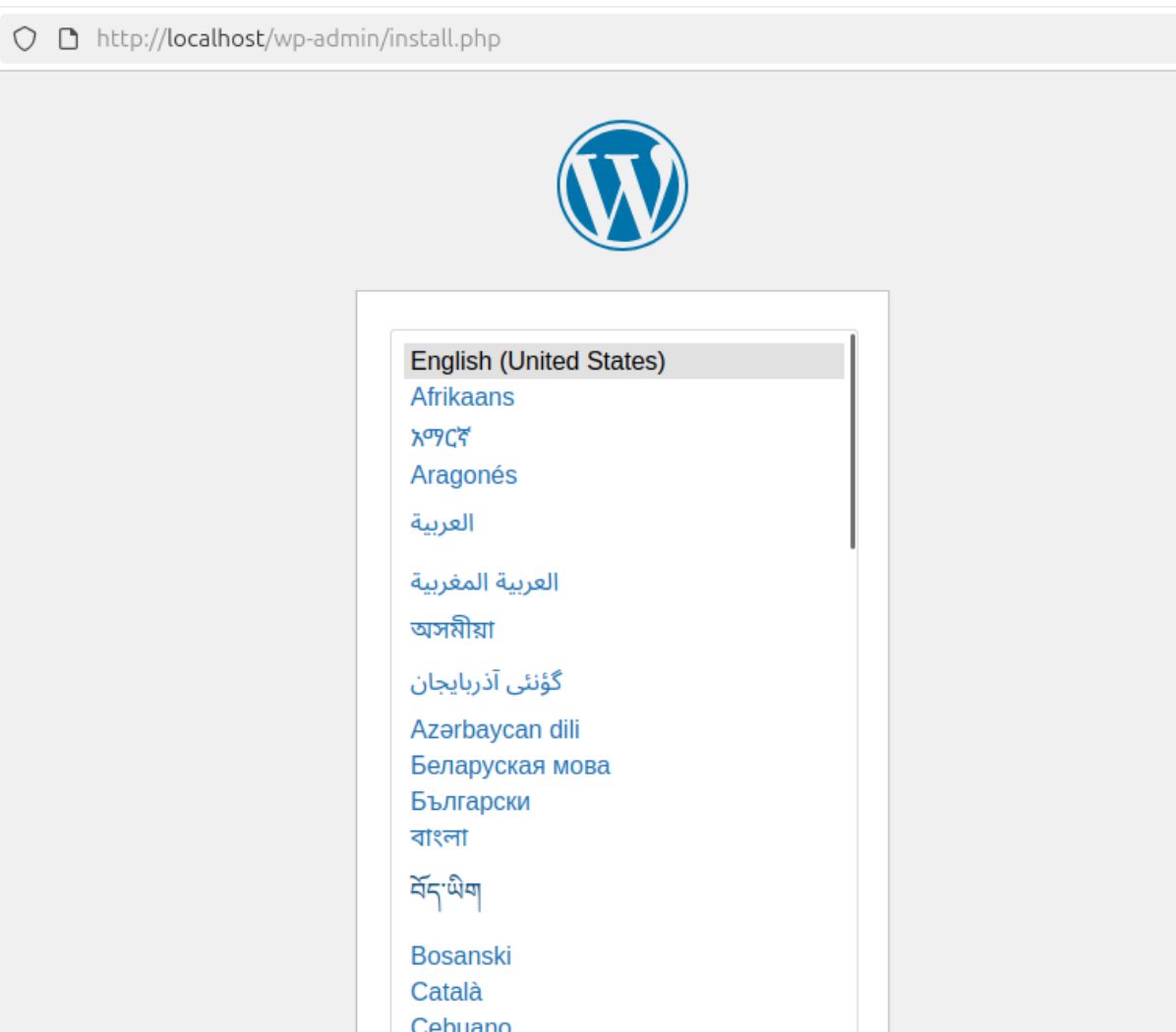
```
/** The name of the database for WordPress */
define( 'DB_NAME', 'wordpress' );

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

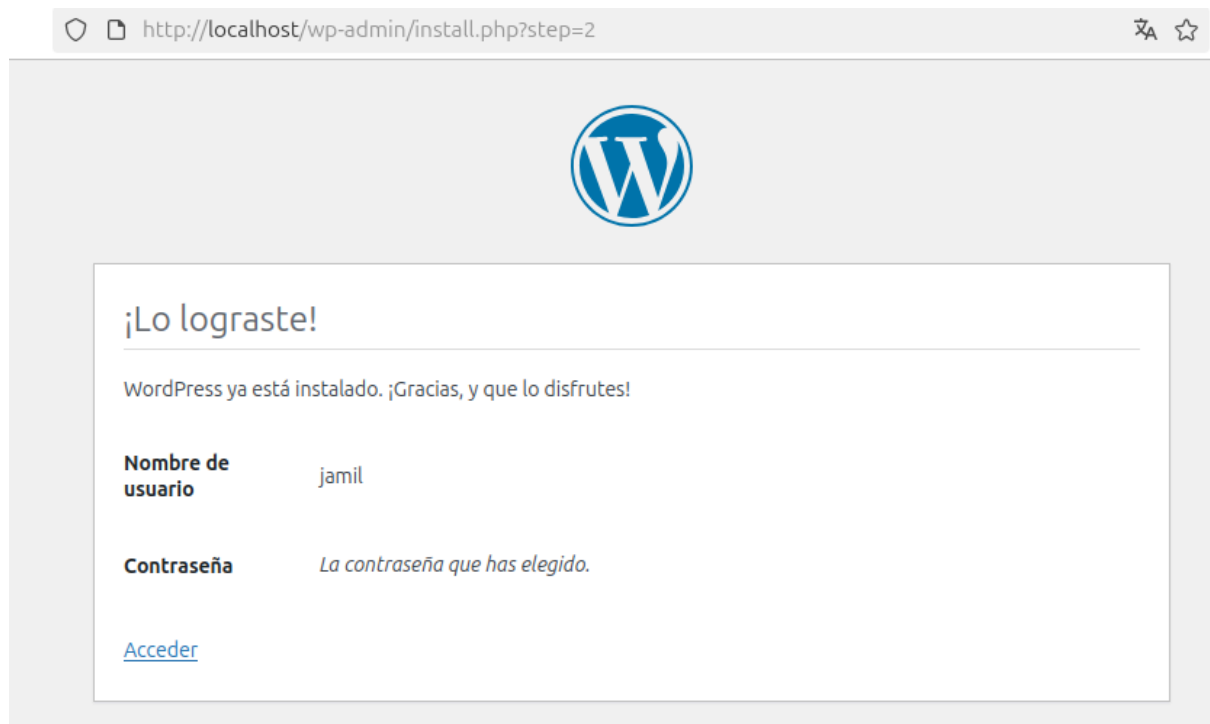
/** Database password */
define( 'DB_PASSWORD', 'WordPress123!' );

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

6. Instalación y configuración de MySQL.



7.Descarga e instalación de PHP.



8.Verificación del funcionamiento del servidor web.



9.Descarga del paquete de WordPress.

```
root@Ubutunu:~# wget https://bin.equinox.io/c/bNyj1mQVY4c/ngrok-v3-stable-linux-amd64.tgz
--2025-10-17 08:10:22-- https://bin.equinox.io/c/bNyj1mQVY4c/ngrok-v3-stable-linux-amd64.tgz
Resolving bin.equinox.io (bin.equinox.io)... 13.248.244.96, 99.83.220.108, 35.71.179.82, ...
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-lin 100%[=====>] 8.88M 1.94MB/s in 5.1s

2025-10-17 08:10:27 (1.74 MB/s) - 'ngrok-v3-stable-linux-amd64.tgz' saved [9315483/9315483]

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

10.Configuración de la base de datos para WordPress.

```
root@Ubutunu:~# mv ngrok /usr/local/bin/
root@Ubutunu:~# snap install ngrok
ngrok (v3/stable) 3.29.0 from Ngrok (ngrok-publisher) installed
root@Ubutunu:~# ngrok version
ngrok version 3.30.0
```

11.Copia de archivos de WordPress en el directorio del servidor.

```
root@Ubutunu:~# ngrok config add-authtoken 34BY4d1i9FEhmBgmEbd2Pki3jXO_7mMkTXoC
RBjXgwtvATqMb
Authtoken saved to configuration file: /root/.config/ngrok/ngrok.yml
```

12.Ejecución del instalador de WordPress en el navegador.

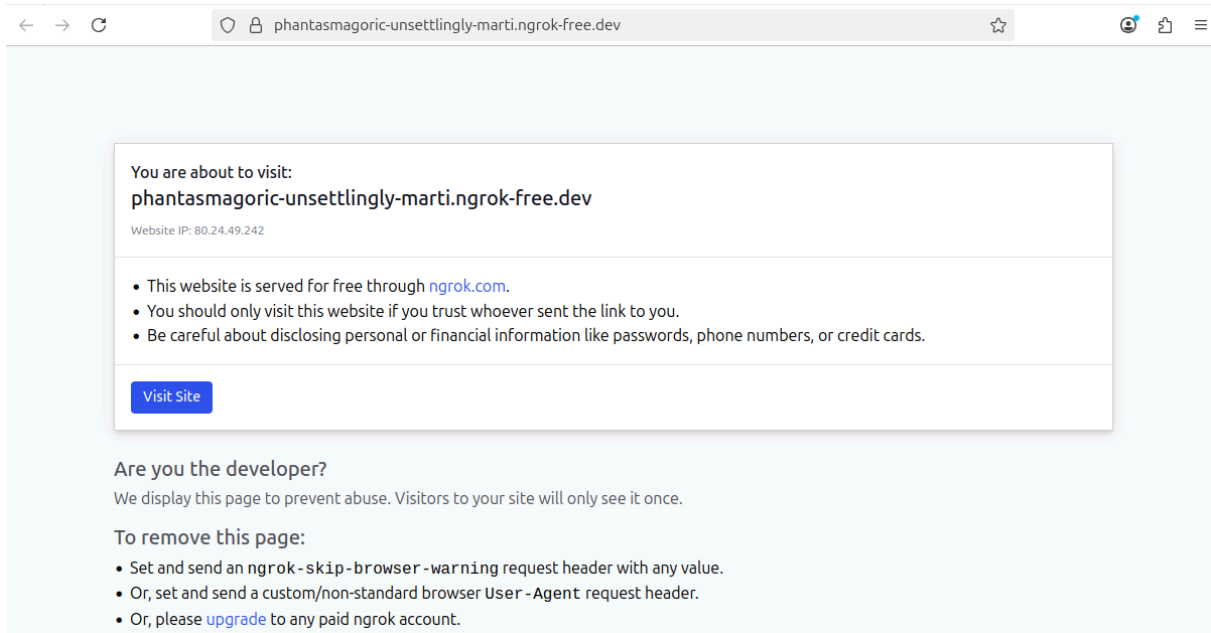
```
ngrok (Ctrl+C to quit)

🛡️ Block threats before they reach your services with new WAF actions → https://

Session Status      online
Account             Jamil-jaker (Plan: Free)
Version             3.30.0
Region              Europe (eu)
Web Interface        http://127.0.0.1:4040
Forwarding           https://phantasmagoric-unsettlingly-marti.ngrok-fr

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

13.Creación del usuario administrador y configuración inicial.



14.Visualización del sitio web instalado y funcionando.

jamibuntu

Página de ejemplo

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