

Lab AWS Compute: déploiement d'un WordPress sur AWS EC2

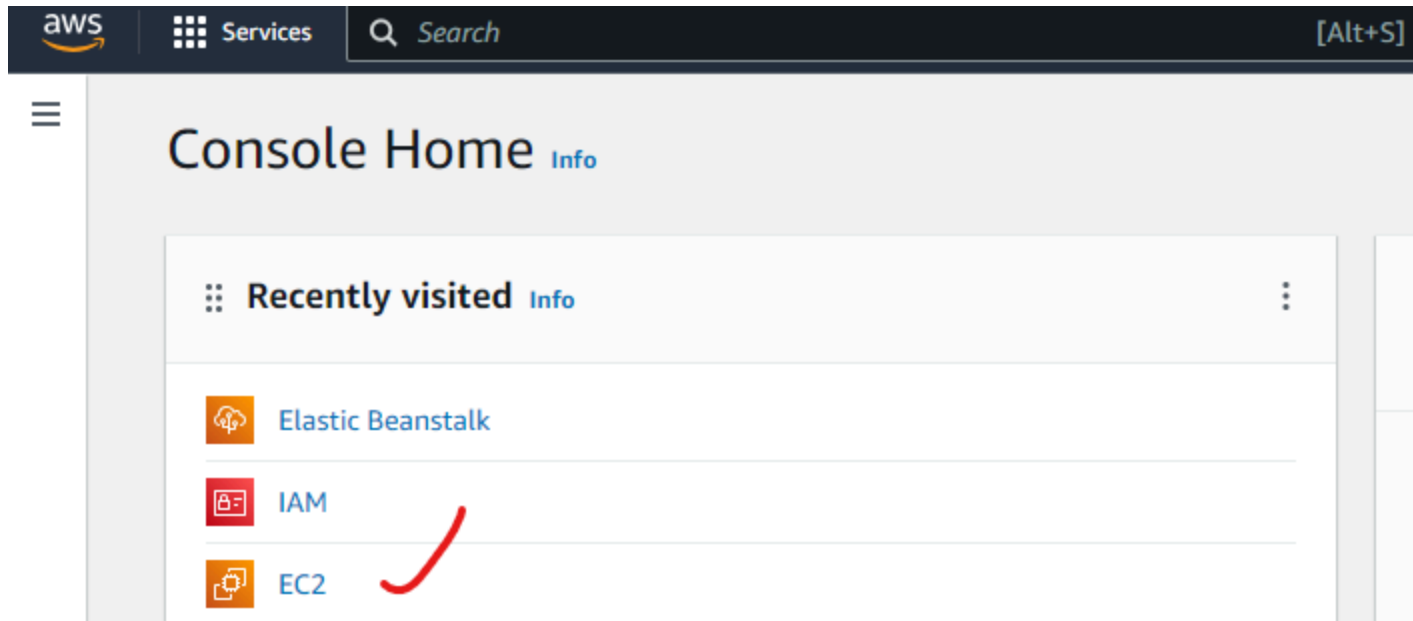


Objectif:

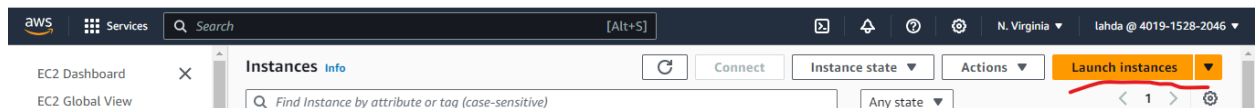
Dans ce laboratoire, vous allez apprendre à déployer un site WordPress sur EC2. Vous créer une instance EC2, installer WordPress, configurer un serveur web et accéder au site Wordpress déployé via votre navigateur. Pour se faire ouvrir les ports suivants:

- Port 22 pour le trafic SSH
- Port 80 pour le trafic HTTP
- Port 443 pour le trafic sécurisé HTTPS.

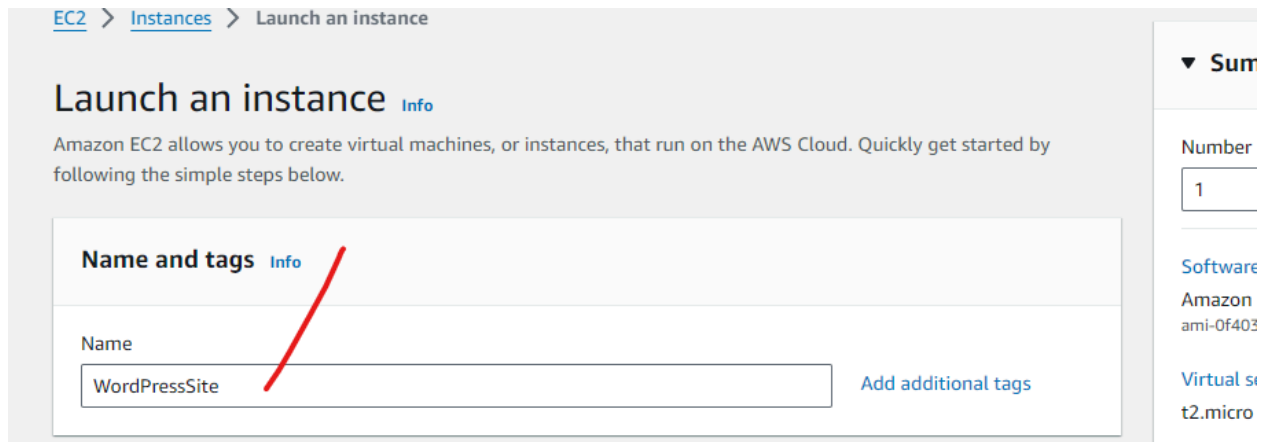
Etape 1: Création d'un serveur EC2



- Cliquez sur “launch instances”



- Configuration du serveur EC2: spécification du nom, choix de AMI qui sera un système d'exploitation (Ubuntu), du type d'instance (t2.micro), création d'une paire de clé, configuration réseau, création de groupe de sécurité et configuration du stockage.



aws Services Search [Alt+S] N. Virginia lahda @ 4019-1528-204

Quick Start

Amazon Linux
aws

macOS
Mac

Ubuntu
ubuntu®

Windows
Microsoft

Red Hat
Red Hat

SUSE Linux
SUSE

[Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type Free tier eligible

ami-07d9b9ddc6cd8dd30 (64-bit (x86)) / ami-0568072f574d822a4 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description
Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2024-02-07

Architecture 64-bit (x86) AMI ID ami-07d9b9ddc6cd8dd30 Verified provider

Summary

Number of instances Info

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...[read more](#)
ami-07d9b9ddc6cd8dd30

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel Launch instance

▼ Instance type Info | Get advice

Instance type

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour

All generations

[Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

WordpressKey

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

☒ RSA
RSA encrypted private and public key pair

☐ ED25519
ED25519 encrypted private and public key pair

Private key file format

☒ .pem
For use with OpenSSH

☐ .ppk
For use with PuTTY

⚠ When prompted, store the private key in a secure and accessible location on

Cancel

Create key pair

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

WordpressKey

↻ Create new key pair

▼ Network settings [Info](#)

Edit

Network [Info](#)

vpc-0ca8988774f1f6cbc

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group

☐ Select existing security group

We'll create a new security group called 'launch-wizard-2' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance

Anywhere
0.0.0.0/0

☐ Allow HTTPS traffic from the internet

☒ Create security group

☐ Select existing security group

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☒ Allow SSH traffic from
Helps you connect to your instance

Anywhere
0.0.0.0/0

☒ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

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To set up an endpoint, for example when creating a web server

⚠ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only. X

Configure storage [Info](#) [Advanced](#)

8 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any of its Lifecycle Manager policies.

File systems [Edit](#)

Number of instances [Info](#)

1

Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...[read more](#)
ami-07d9b9ddc6cd8dd30

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

Cancel **Launch instance** [Review and launch](#)

Instances (1/1) [Info](#) [Refresh](#) [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

Find Instance by attribute or tag (case-sensitive) Any state

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/>	WordPressSite	i-0d75a918ee9b92e2e	Running	t2.micro	2/2 checks passed	View alarms	us-east-1b

Etape 2: connexion au serveur EC2 via SSH

Connect to instance [Info](#)

Connect to your instance i-0d75a918ee9b92e2e (WordPressSite) using any of these options

EC2 Instance Connect | Session Manager | **SSH client** | EC2 serial console

Instance ID
i-0d75a918ee9b92e2e (WordPressSite)

- Open an SSH client.
- Locate your private key file. The key used to launch this instance is WordpressKey.pem
- Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 "WordpressKey.pem"
- Connect to your instance using its Public DNS:
ec2-52-23-249-31.compute-1.amazonaws.com

Example:
ssh -i "WordpressKey.pem" ubuntu@ec2-52-23-249-31.compute-1.amazonaws.com

Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

- Ouvrir votre terminal powershell ou Git Bash ou CMD ou même votre client ssh comme putty et MobaXterm, naviguer dans le répertoire où se trouve votre paire clés, se positionner là et coller la commande de connexion comme sur l'image ci-dessous.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. Tous droits réservés.

Testez le nouveau système multiplateforme PowerShell https://aka.ms/pscore6

PS C:\Users\FTAB TECH> cd Downloads
PS C:\Users\FTAB TECH\Downloads> ssh -i "WordpressKey.pem" ubuntu@ec2-52-23-249-31.compute-1.amazonaws.com
The authenticity of host 'ec2-52-23-249-31.compute-1.amazonaws.com (52.23.249.31)' can't be established.
ECDSA key fingerprint is SHA256:bmztFXQ9ukkfyo5gMN6WzUMUsc/0UGyEqH3UrVu8rMI.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-52-23-249-31.compute-1.amazonaws.com,52.23.249.31' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 6.2.0-1018-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Tue Mar 12 17:08:23 UTC 2024

System load:  0.0               Processes:           95
Usage of /:   20.3% of 7.57GB   Users logged in:    0
Memory usage: 21%              IPv4 address for eth0: 172.31.87.200
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

No updates can be applied immediately.

To enable ESM Apps to receive additional future security updates.
see https://ubuntu.com/esm or run: sudo pro status

The list of available updates is more than a week old.
To check for new updates run: sudo apt update

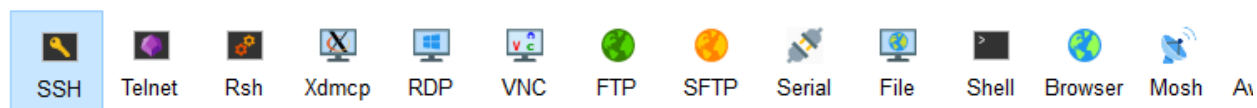
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.


To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-172-31-87-200:~$
```

Et pour les utilisateurs de MobaXterm voici ce que ça donne:



Basic SSH settings

Remote host * ☒ Specify username  Port

Advanced SSH settings **Terminal settings** **Network settings** **Bookmark settings**

Basic SSH settings

Remote host * ☒ Specify username


Advanced SSH settings **Terminal settings** **Network settings** **Bookmark settings**

☒ X11-Forwarding ☒ Compression Remote environment:

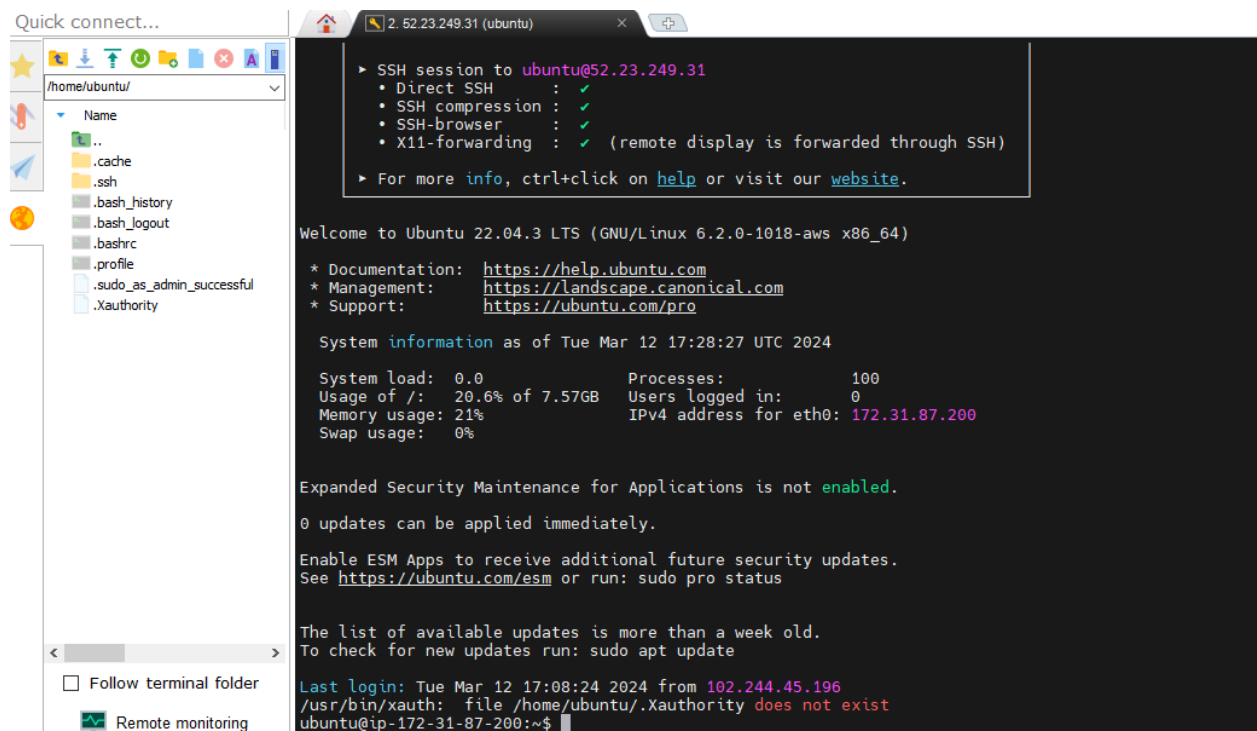
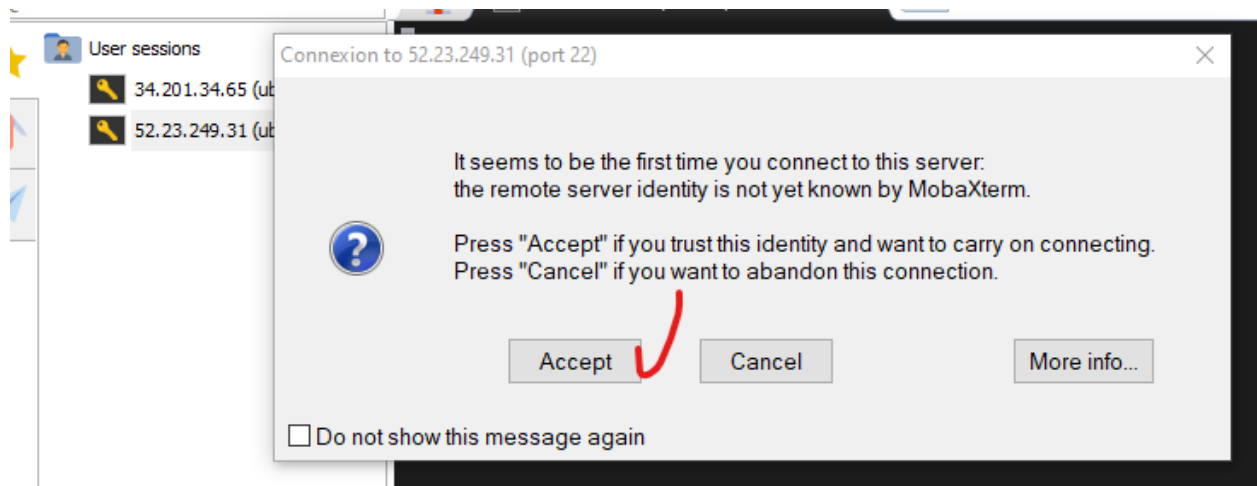
Execute command:

SSH-browser type: ☐ Do not exit after command execution

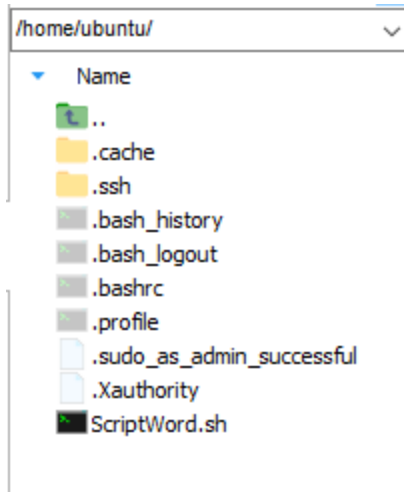
☒ Use private key ☐ Follow SSH path (experimental)

 **Expert SSH settings**

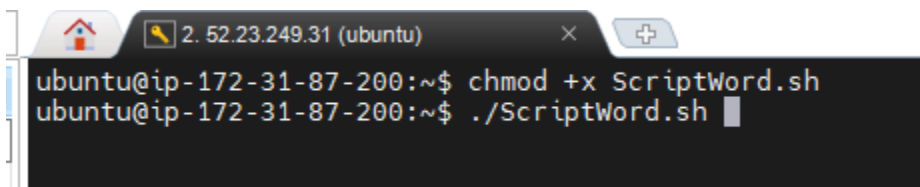
Execute macro at session start:



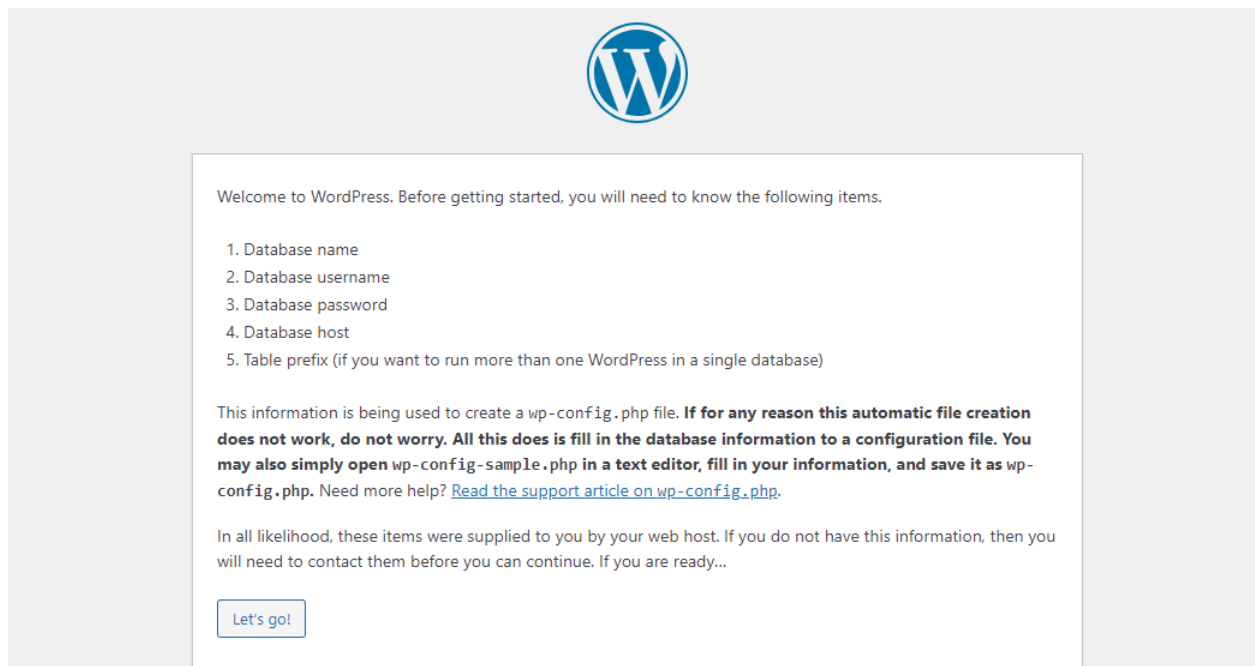
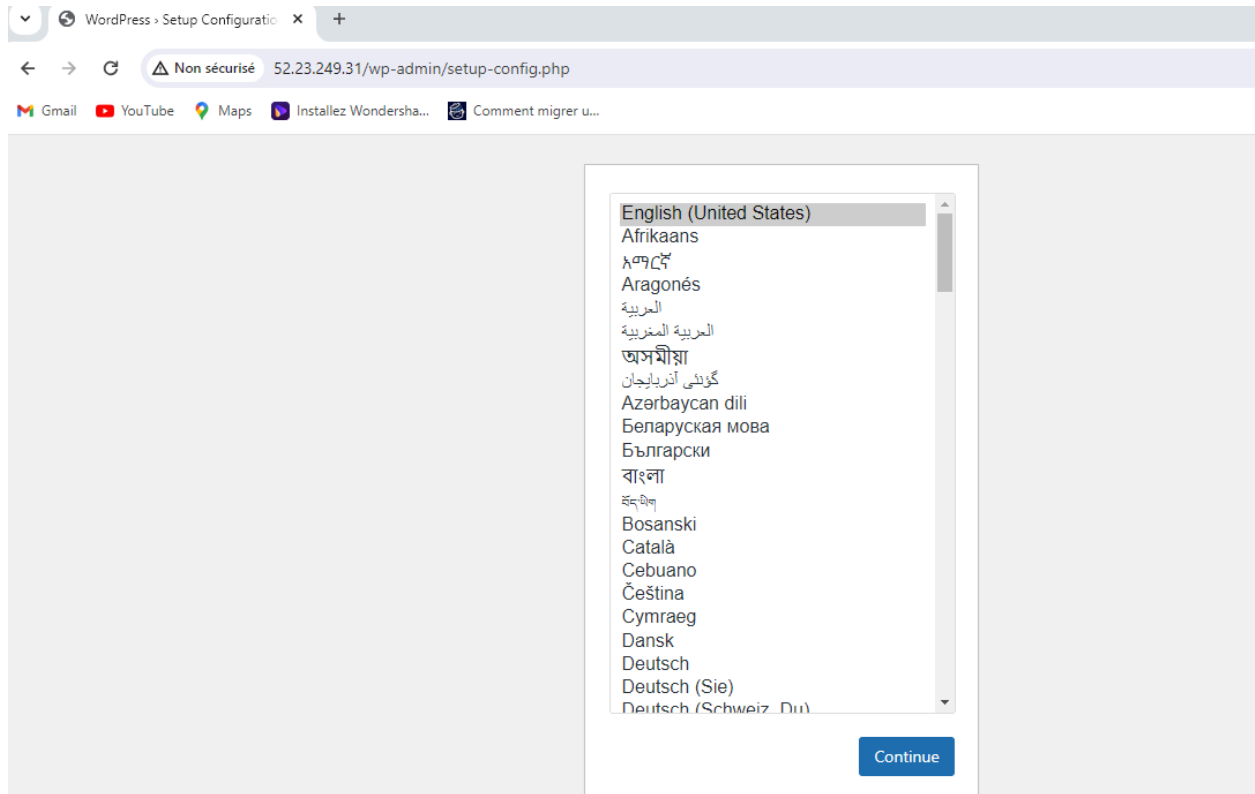
Ensuite téléversez votre script de déploiement dans votre serveur EC2



- Donnez à votre fichier contenant le script de déploiement la permission d'être exécuté avec la commande `chmod +x nom_du_fichier`. Dans notre cas ça sera `chmod +x ScriptWord.sh`.



Validez sur "enter" et ce script se chargera d'installer WordPress pour vous.



Below you should enter your database connection details. If you are not sure about these, contact your host.

Database Name
The name of the database you want to use with WordPress.

Username
Your database username.

Password [Show](#)
Your database password.


Database Host
You should be able to get this info from your web host, if localhost does not work.

Table Prefix
If you want to run multiple WordPress installations in a single database, change this.

[Submit](#)

Non sécurisé 52.23.249.31/wp-admin/setup-config.php?step=2

uTube Maps Installez Wondersha... Comment migrer u...



All right, sparky! You've made it through this part of the installation. WordPress can now communicate with your database. If you are ready, time now to...

[Run the installation](#)



Welcome

Welcome to the famous five-minute WordPress installation process! Just fill in the information below and you'll be on your way to using the most extendable and powerful personal publishing platform in the world.

Information needed

Please provide the following information. Do not worry, you can always change these settings later.

Site Title	<input type="text" value="eazytraining"/>
Username	<input type="text" value="alph"/> <small>Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.</small>
Password	<div><input type="password" value="....."/><div>Weak</div><div>Important: You will need this password to log in. Please store it in a secure location.</div></div> <div><input checked="" type="checkbox"/> Confirm Password <input checked="" type="checkbox"/> Confirm use of weak password</div>



Username or Email Address

Password

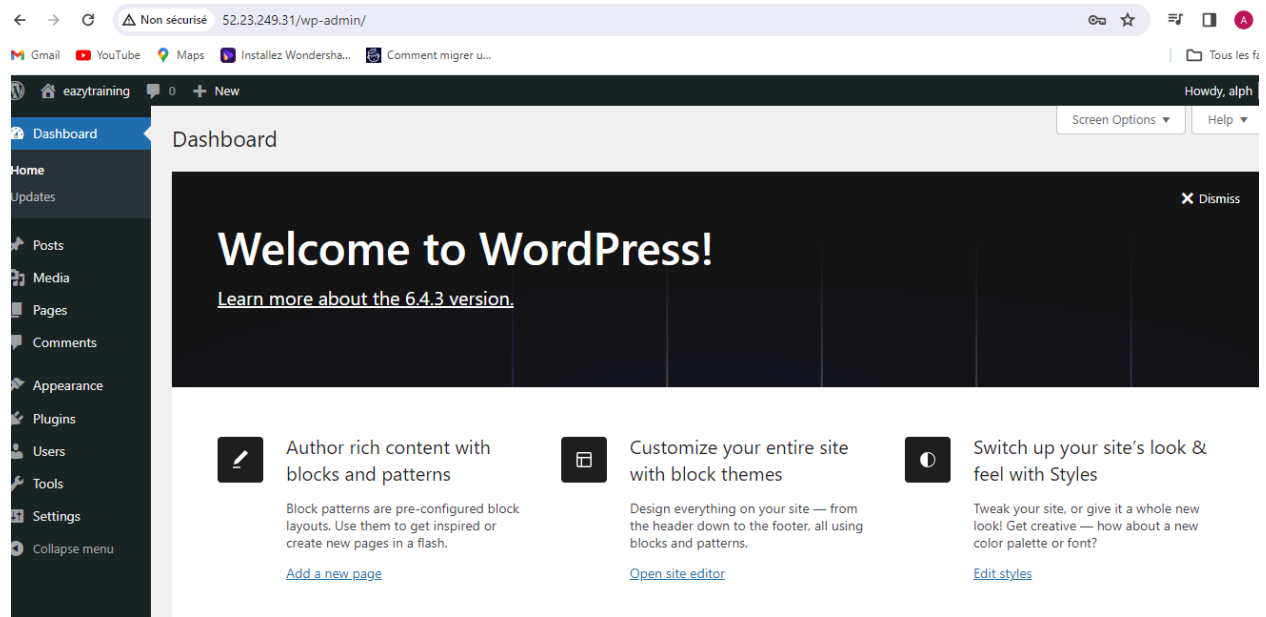


☐ Remember Me

Log In

[Lost your password?](#)

[← Go to eazytraining](#)



Bravo et félicitations, vous venez de déployer un wordpress sur un serveur cloud AWS EC2!!! 🙌🎉