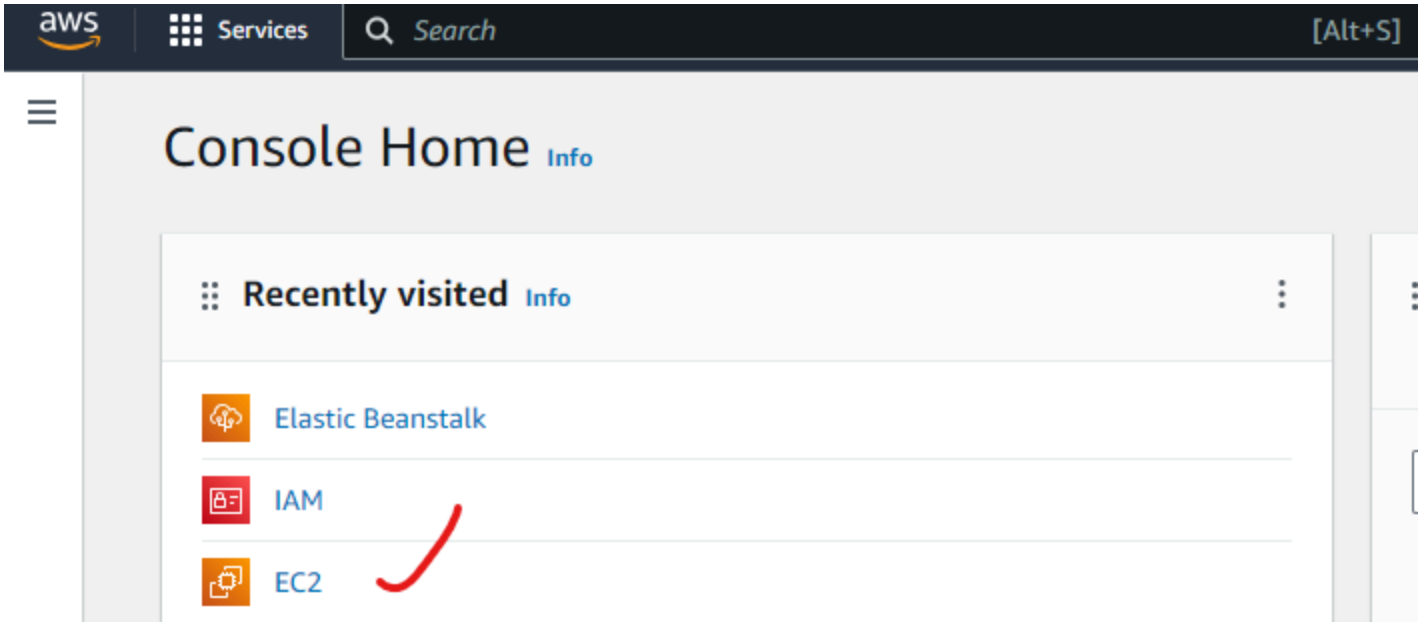
Lab AWS Compute: déploiement d'un WordPress sur AWS EC2

Objectif:

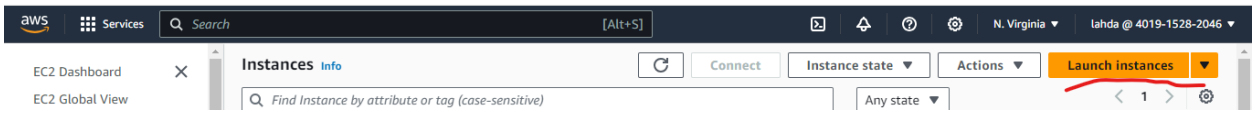
Dans ce laboratoire, vous allez apprendre à déployer un site WordPress sur EC2. Vous créer une instance EC2, installer WordPress, configurer un serveur web et accéder au site Wordpress déployé via votre navigateur. Pour se faire ouvrir les ports suivants:

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

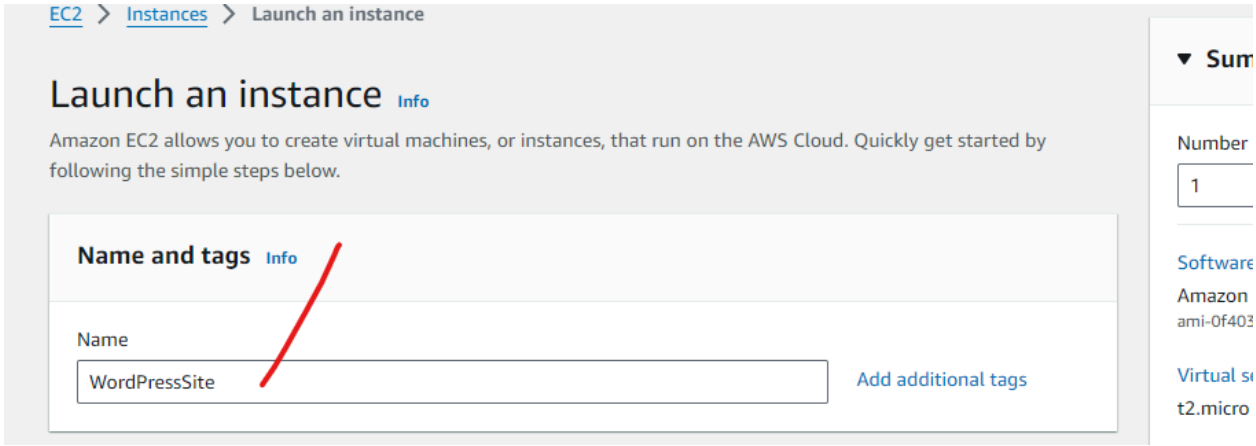
Etape 1: Création d'un serveur EC2

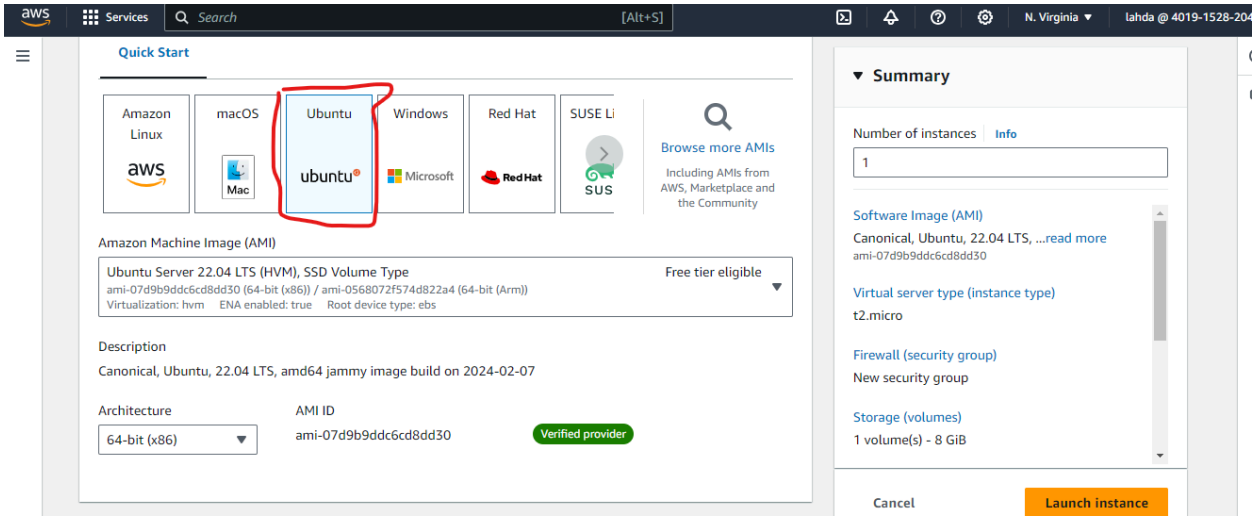


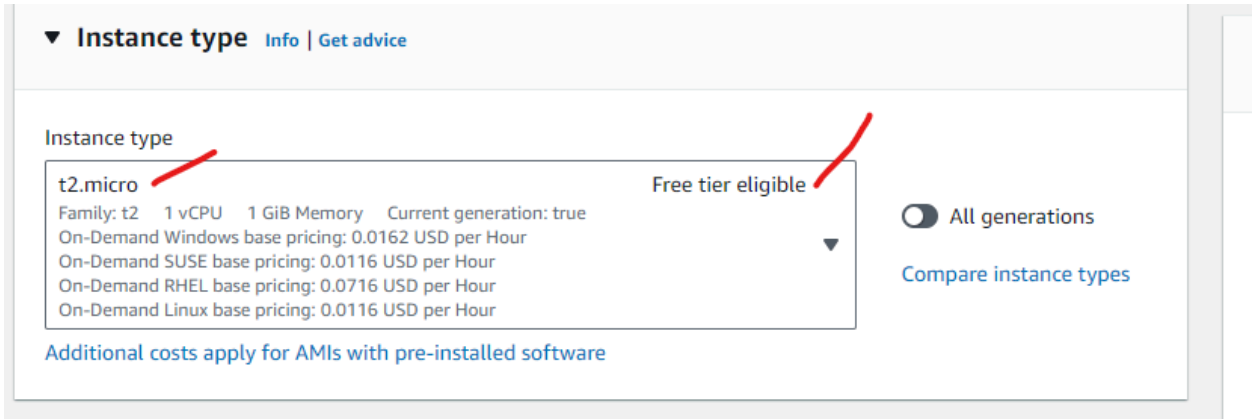
- Cliquez sur “launch instances”

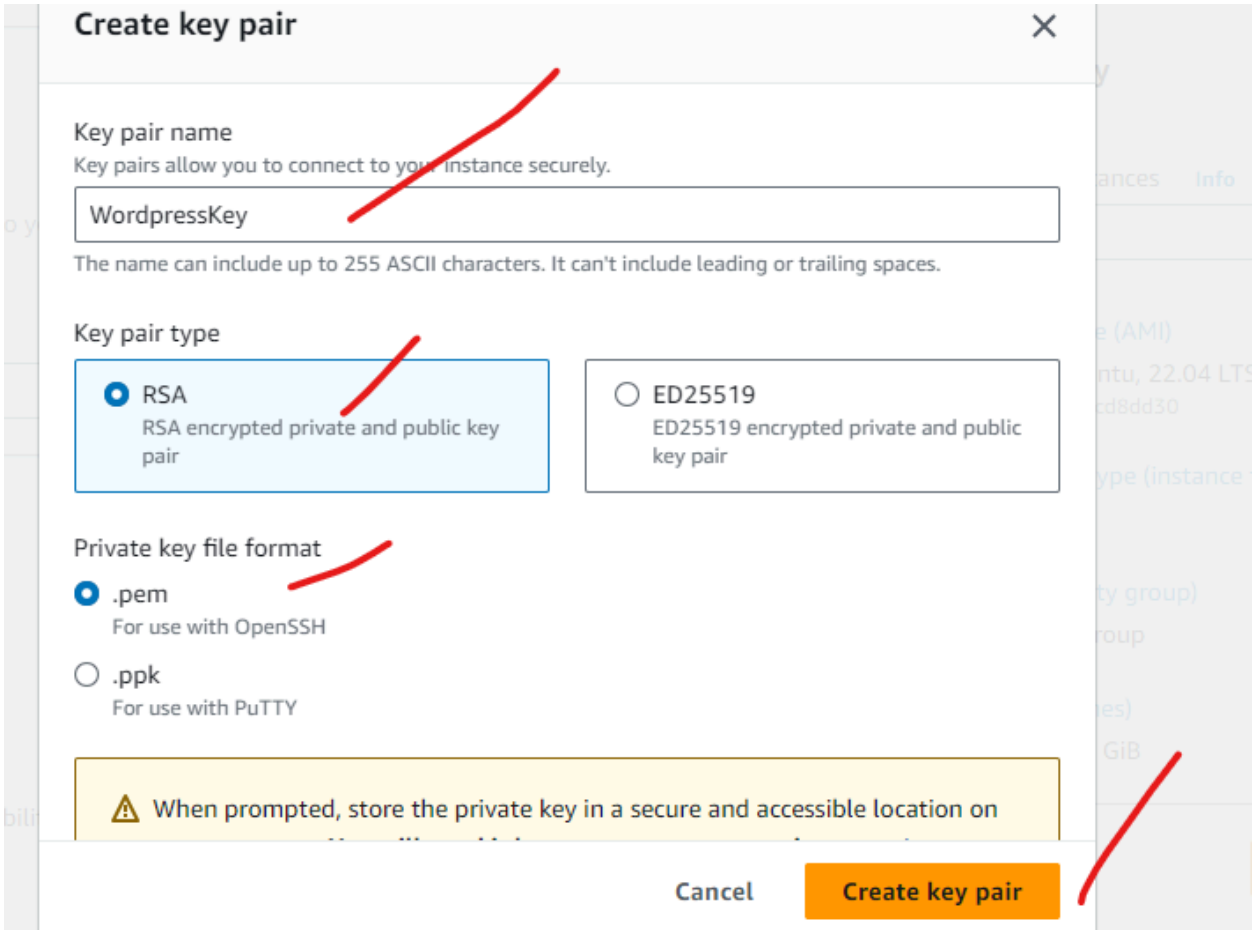


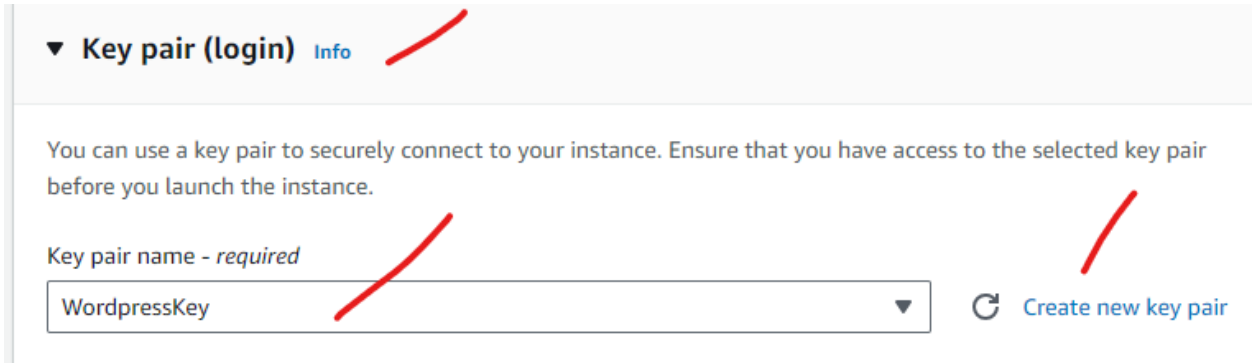
- Configuration du serveur EC2: spécification du nom, choix de AMI qui sera un système d’exploitation (Ubuntu), du type d’instance (t2.micro), création d’une paire de clé, configuration réseau, création de groupe de sécurité et configuration du stockage.

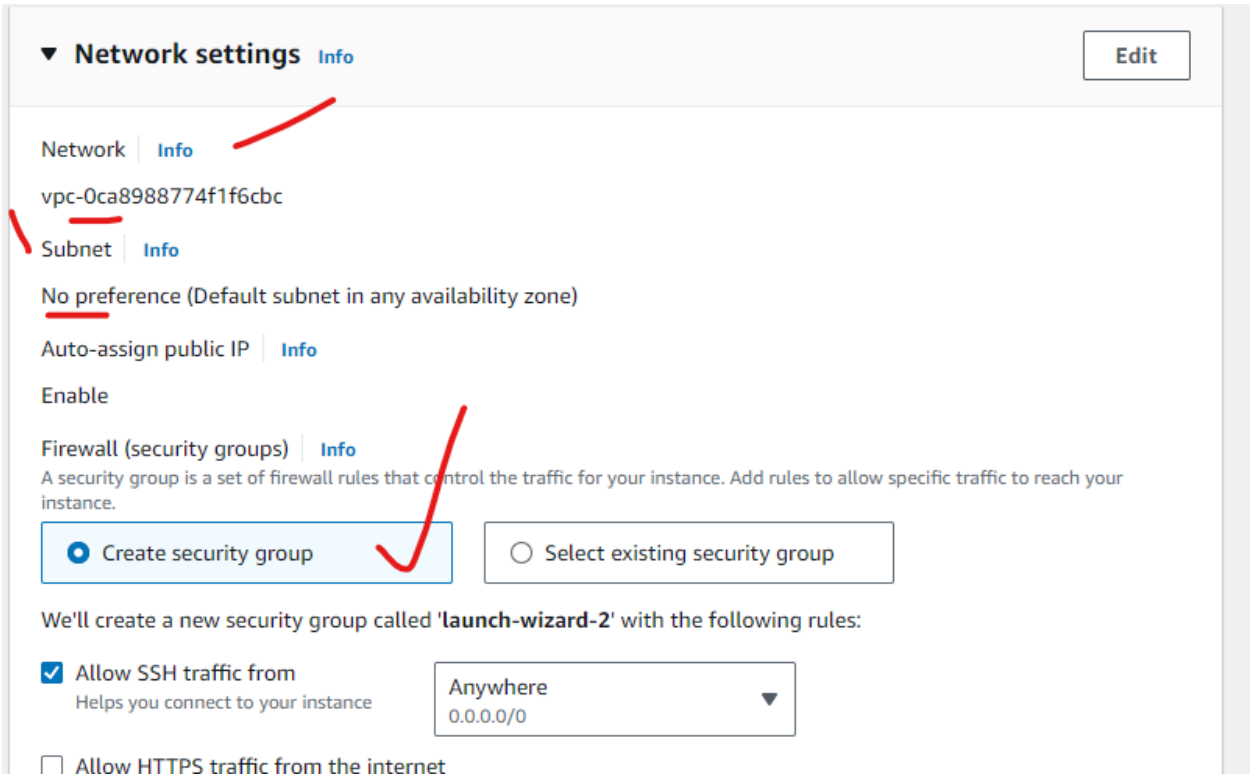


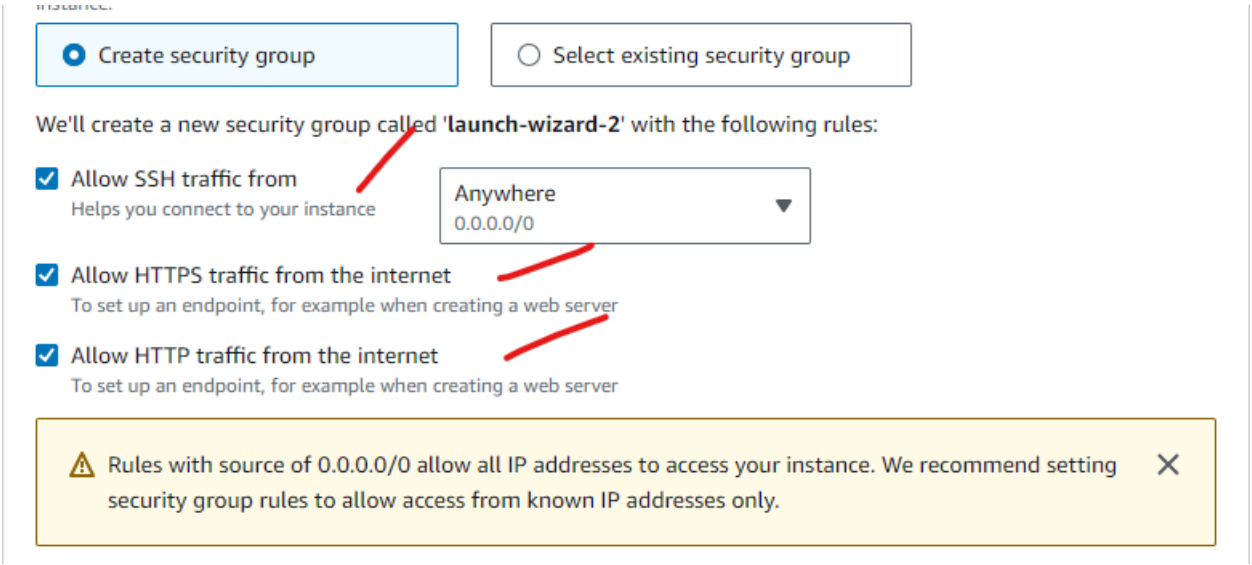

aws
Services
Search
[Alt+S]
N. Virginia
lahda @ 4019-1528-204
Quick Start
Amazon Linux
macOS
Mac
Ubuntu
ubuntu
Windows
Microsoft
Red Hat
RedHat
SUSE Li
SUS
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Ubuntu Server 22.04 LTS (HVM), SSD Volume Type
ami-07d9b9ddc6cd8dd30 (64-bit (x86)) / ami-0568072f574d822a4 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Free tier eligible
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
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

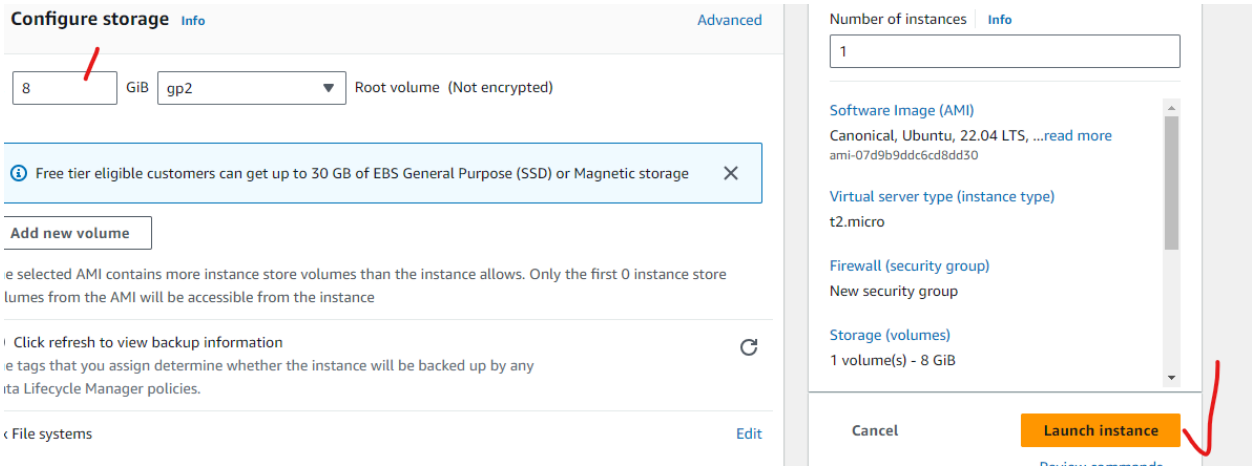

Instance type Info | Get advice
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 USD per Hour
On-Demand SUSE base pricing: 0.0116 USD per Hour
On-Demand RHEL base pricing: 0.0716 USD per Hour
On-Demand Linux base pricing: 0.0116 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software

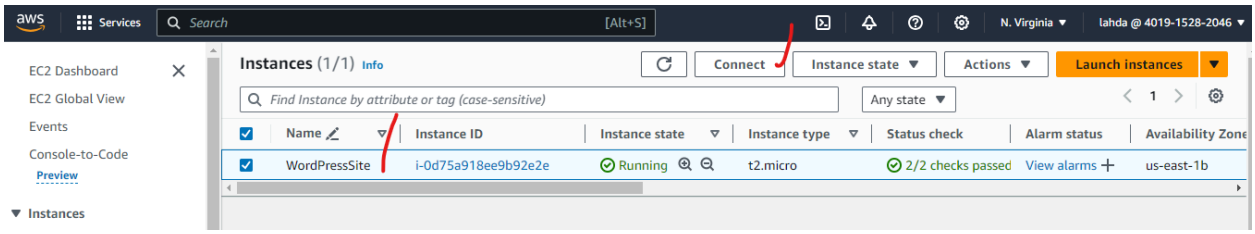

Create key pair
Key pair name
Key pairs allow you to connect to your instance securely.
WordpressKey
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.
Key pair type
RSA
RSA encrypted private and public key pair
ED25519
ED25519 encrypted private and public key 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

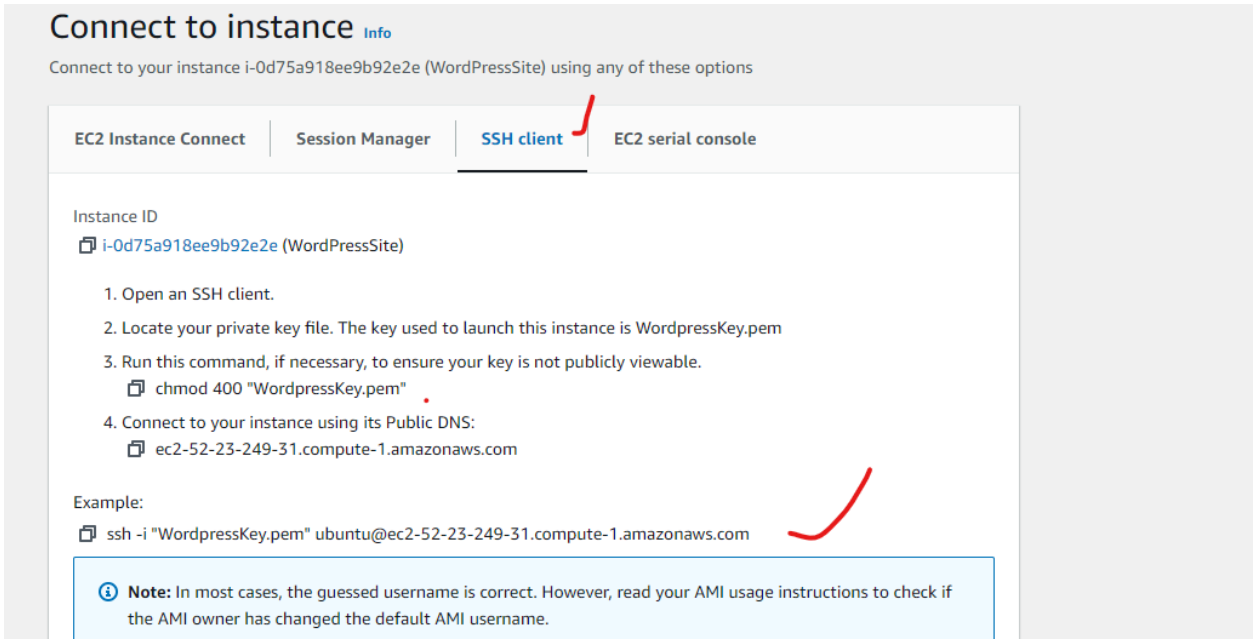

Network settings Info
Edit
Network Info
vpc-0ca8988774f1f6cbc
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow 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
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
To set up an endpoint, for example when creating a web server
Allow HTTP traffic from the internet
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.

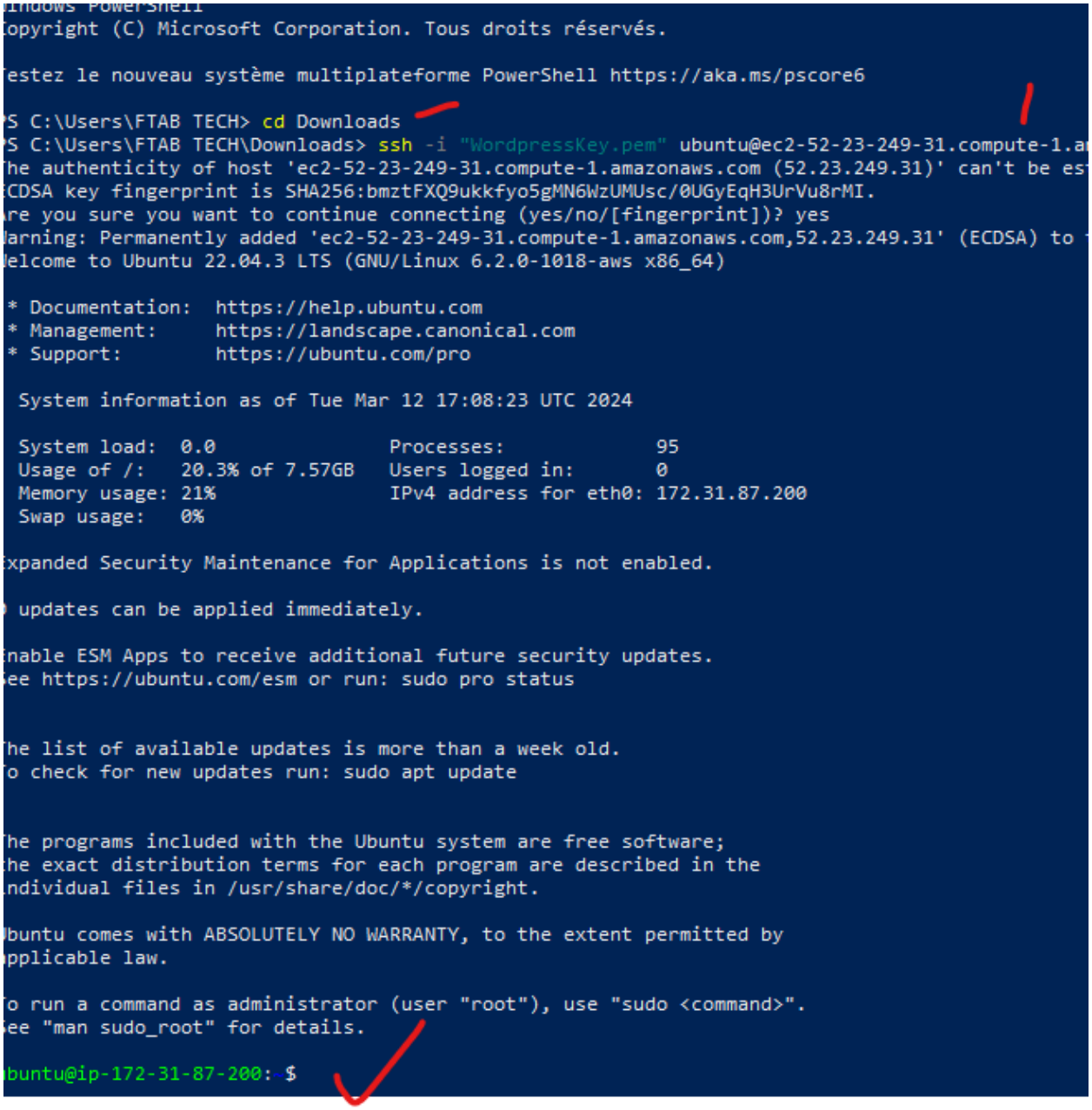




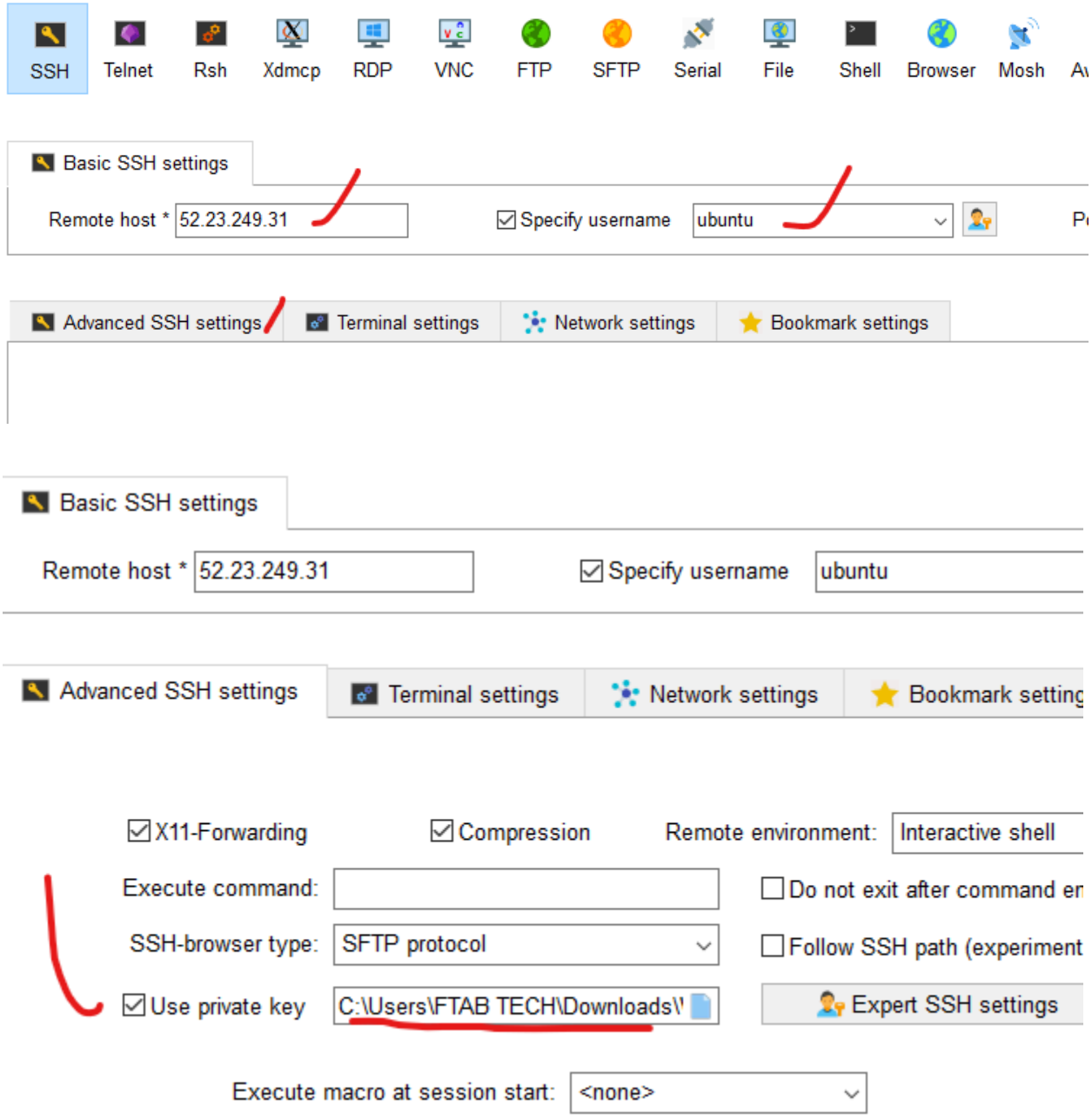
Etape 2: connexion au serveur EC2 via SSH

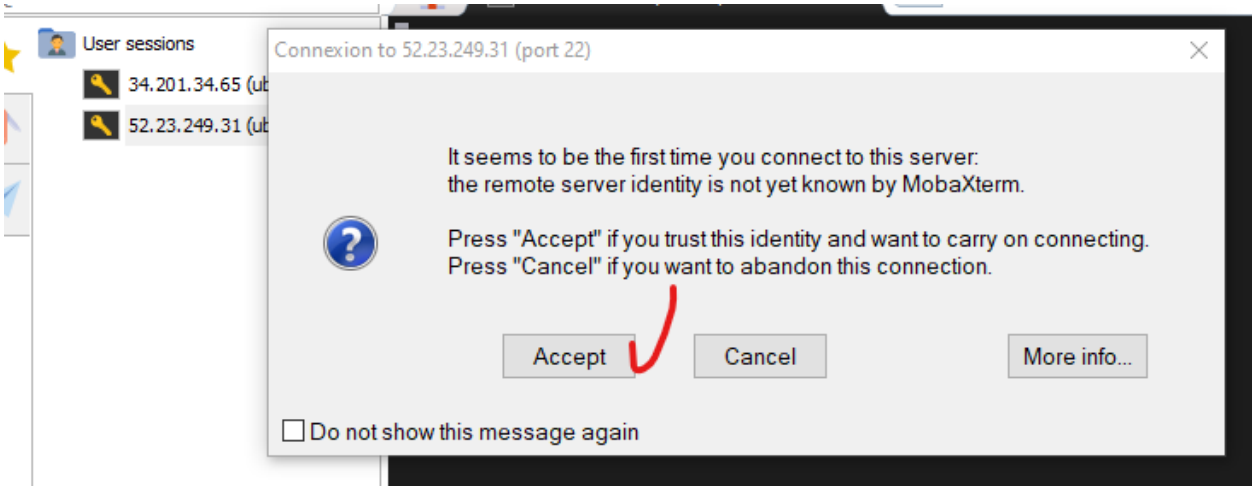


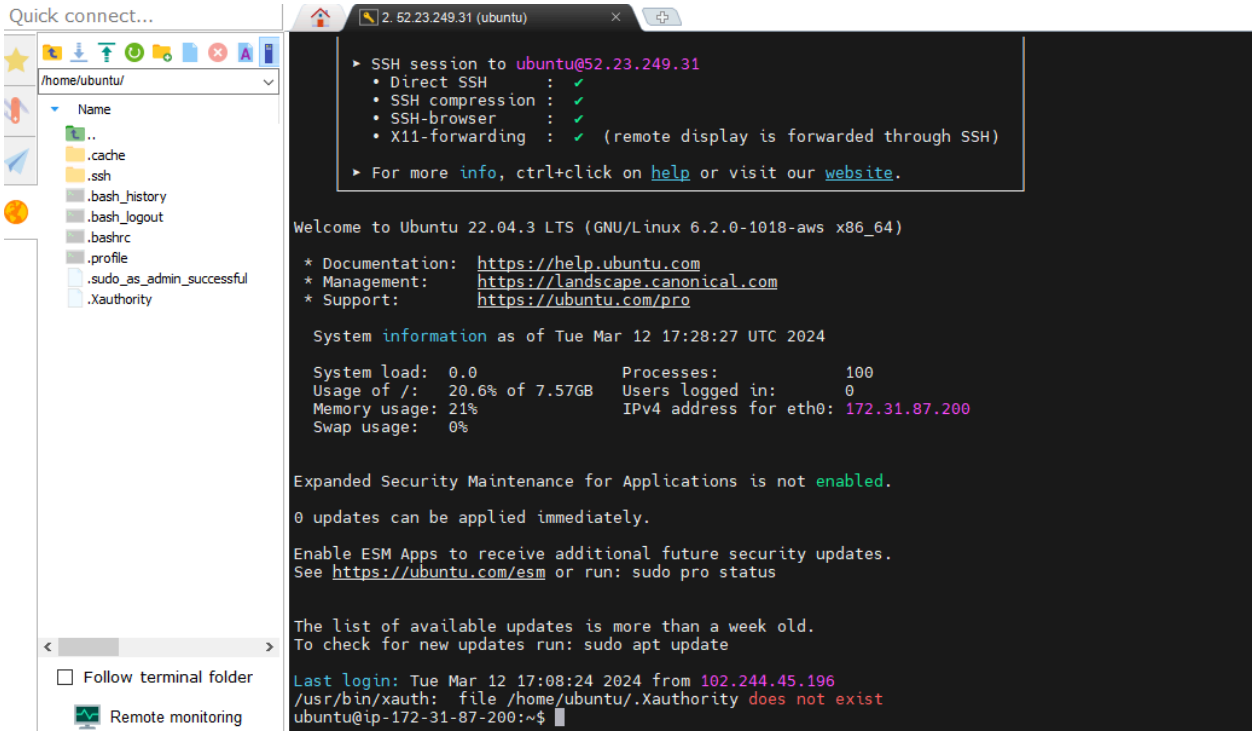
- Ouvrir votre terminal powershell ou Git Bash ou CMD ou même votre client ssh comme putty et MobaXterm, naviguer dans le répertoire où se trouve votre paire clés, se positionner là et coller la commande de connexion comme sur l'image ci-dessous.



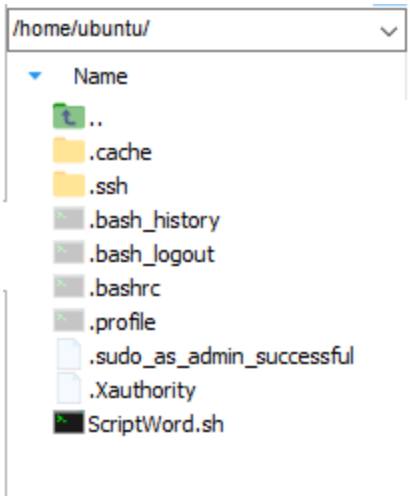
Et pour les utilisateurs de MobaXterm voici ce que ça donne:


SSH
Telnet
Rsh
Xdmcp
RDP
VNC
FTP
SFTP
Serial
File
Shell
Browser
Mosh
Basic SSH settings
Remote host * 52.23.249.31
Specify username
ubuntu
Advanced SSH settings
Terminal settings
Network settings
Bookmark settings
Basic SSH settings
Remote host * 52.23.249.31
Specify username
ubuntu
Advanced SSH settings
Terminal settings
Network settings
Bookmark setting
X11-Forwarding
Compression
Remote environment:
Interactive shell
Execute command:
Do not exit after command er
SSH-browser type:
SFTP protocol
Follow SSH path (experiment
Use private key
C:\Users\FTAB TECH\Downloads\
Expert SSH settings
Execute macro at session start:
<none>

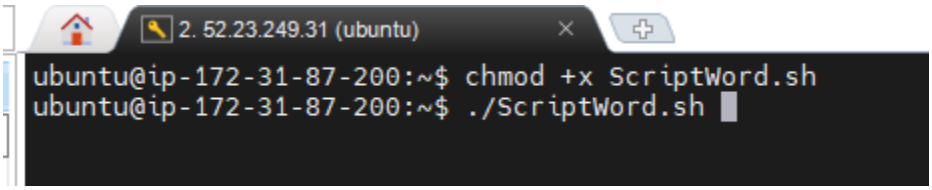




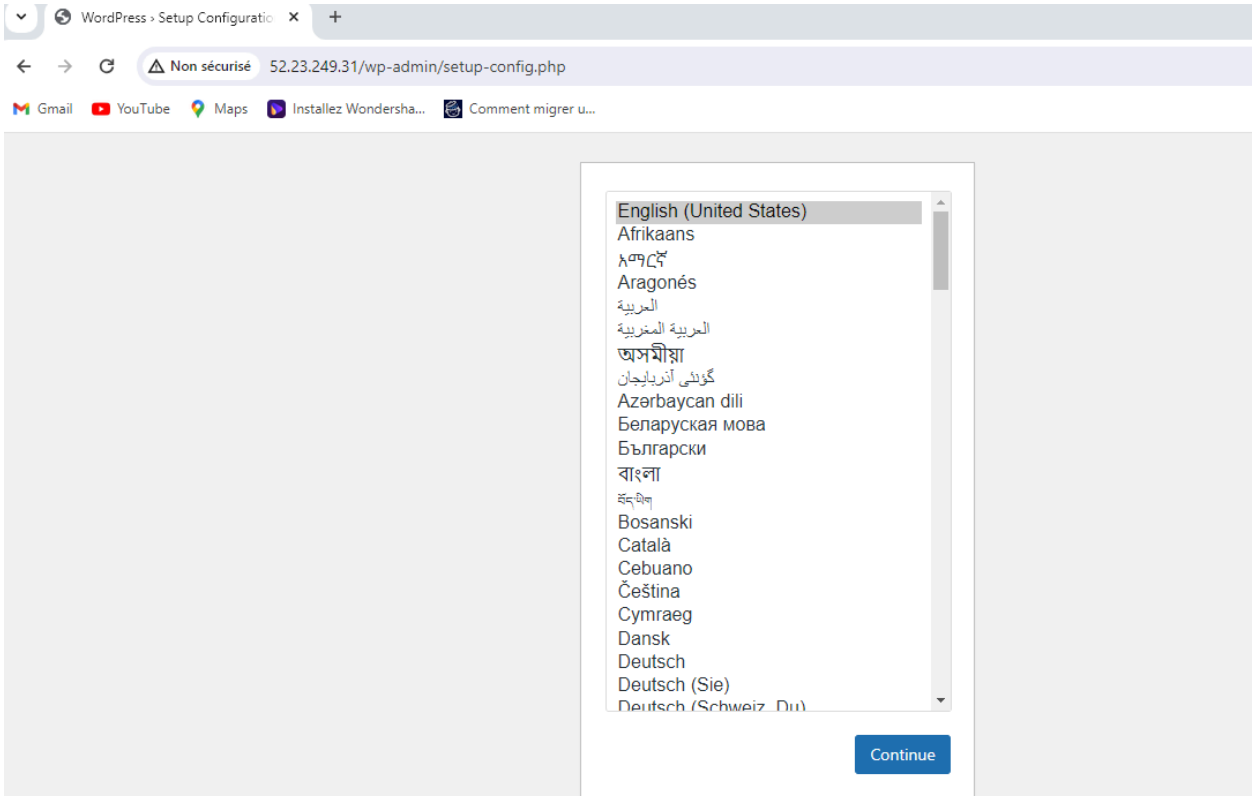
Ensuite téléversez votre script de déploiement dans votre serveur EC2

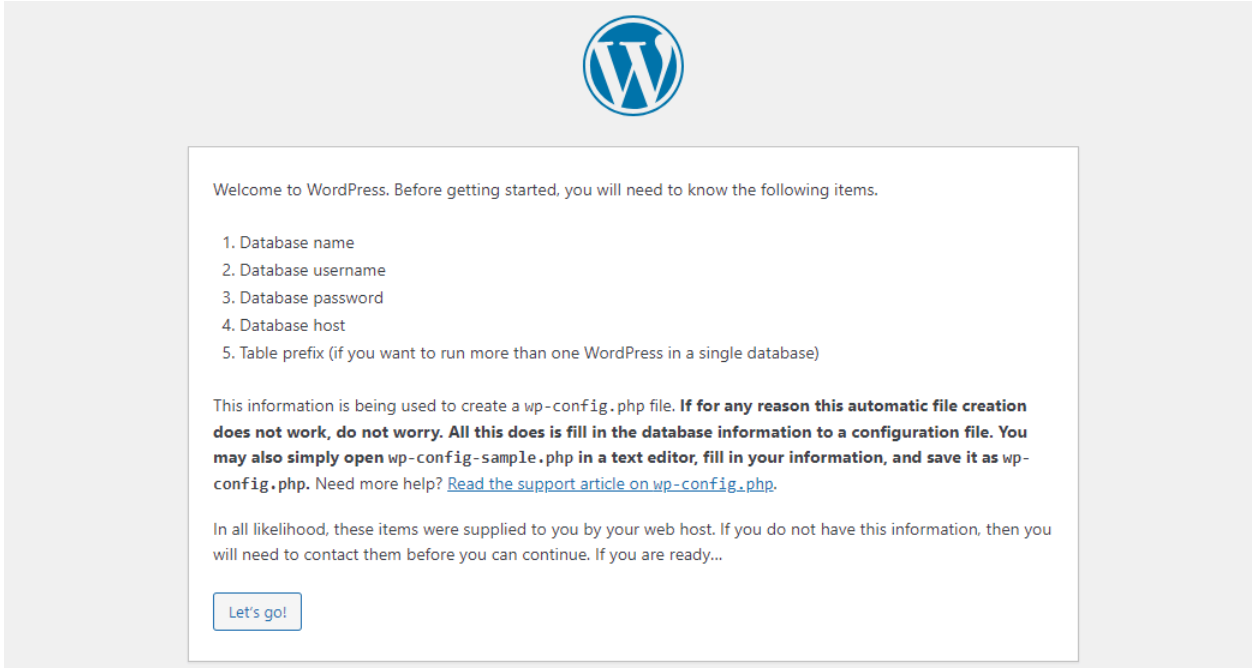


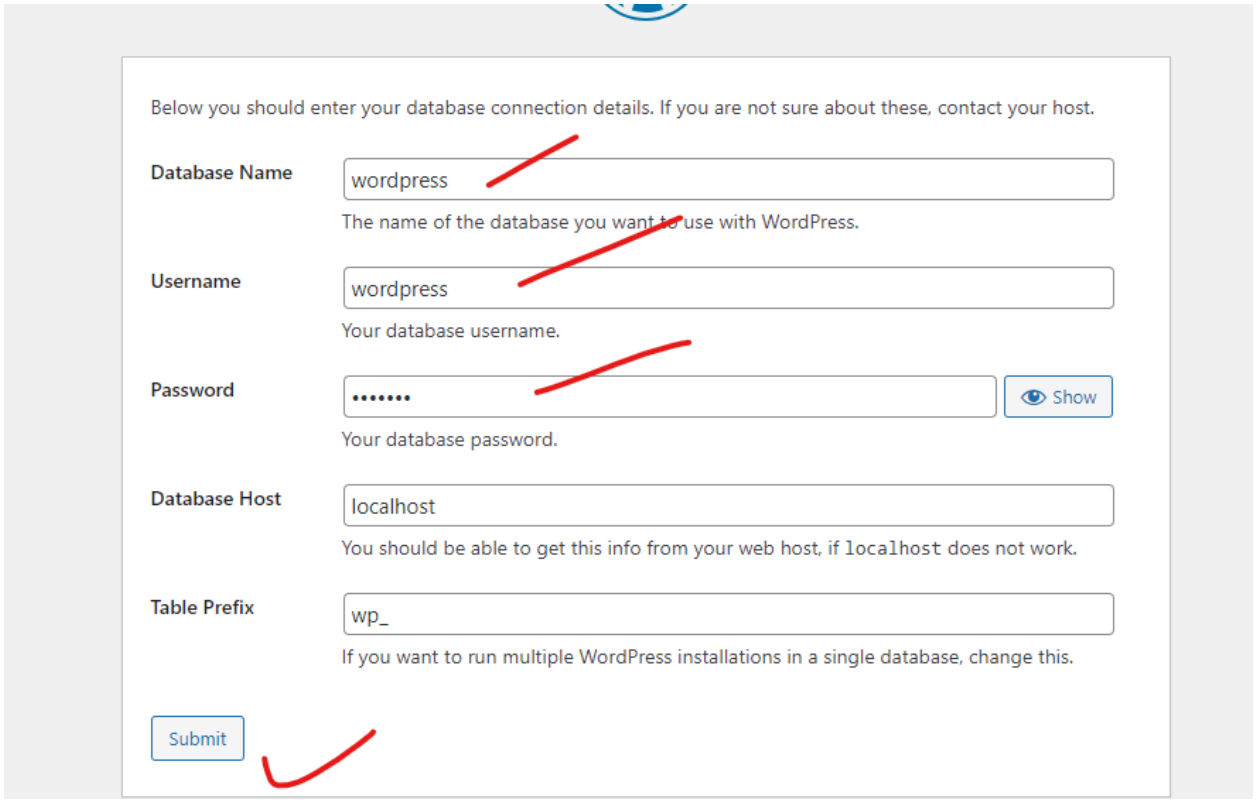
- Donnez à votre fichier contenant le script de déploiement la permission d'être exécuté avec la commande chmod +x nom_du_fichier. Dans notre cas ça sera chmod +x ScriptWord.sh.

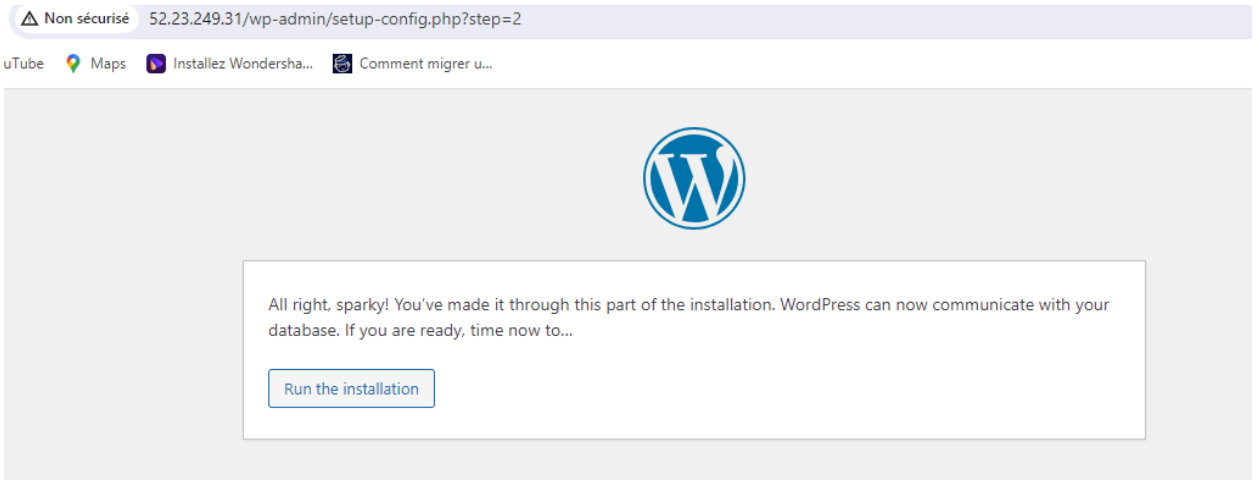


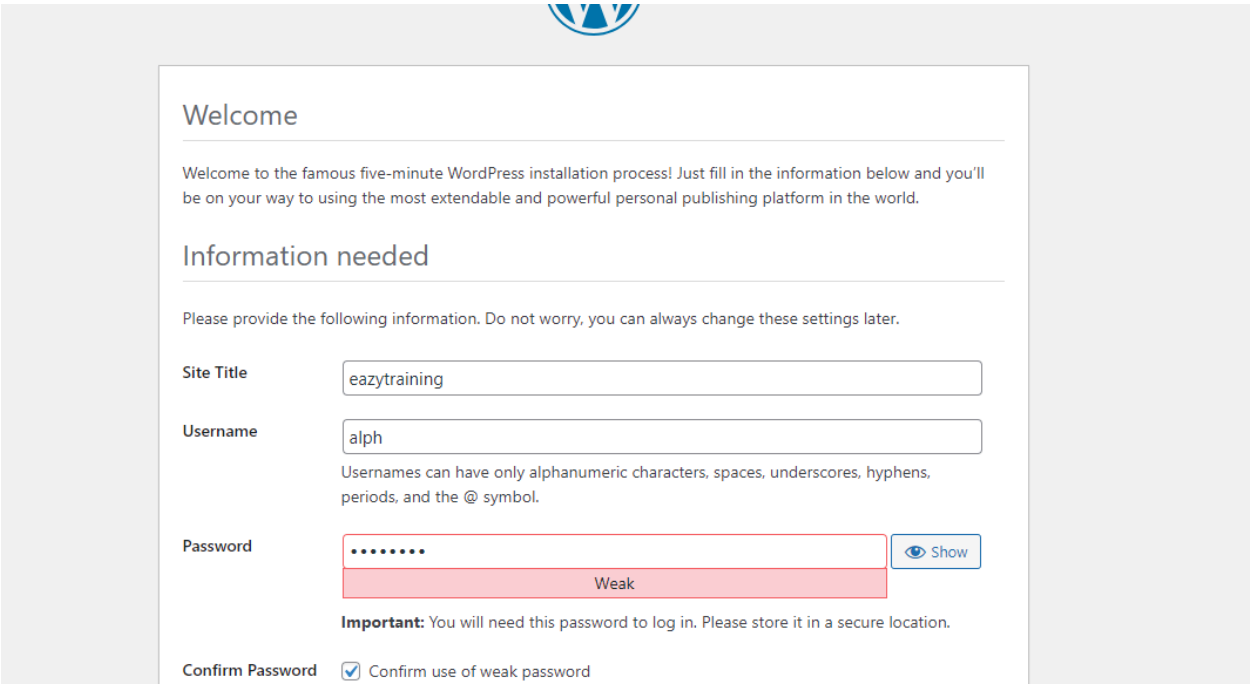
Validez sur "enter" et ce script se chargera d'installer WordPress pour vous.

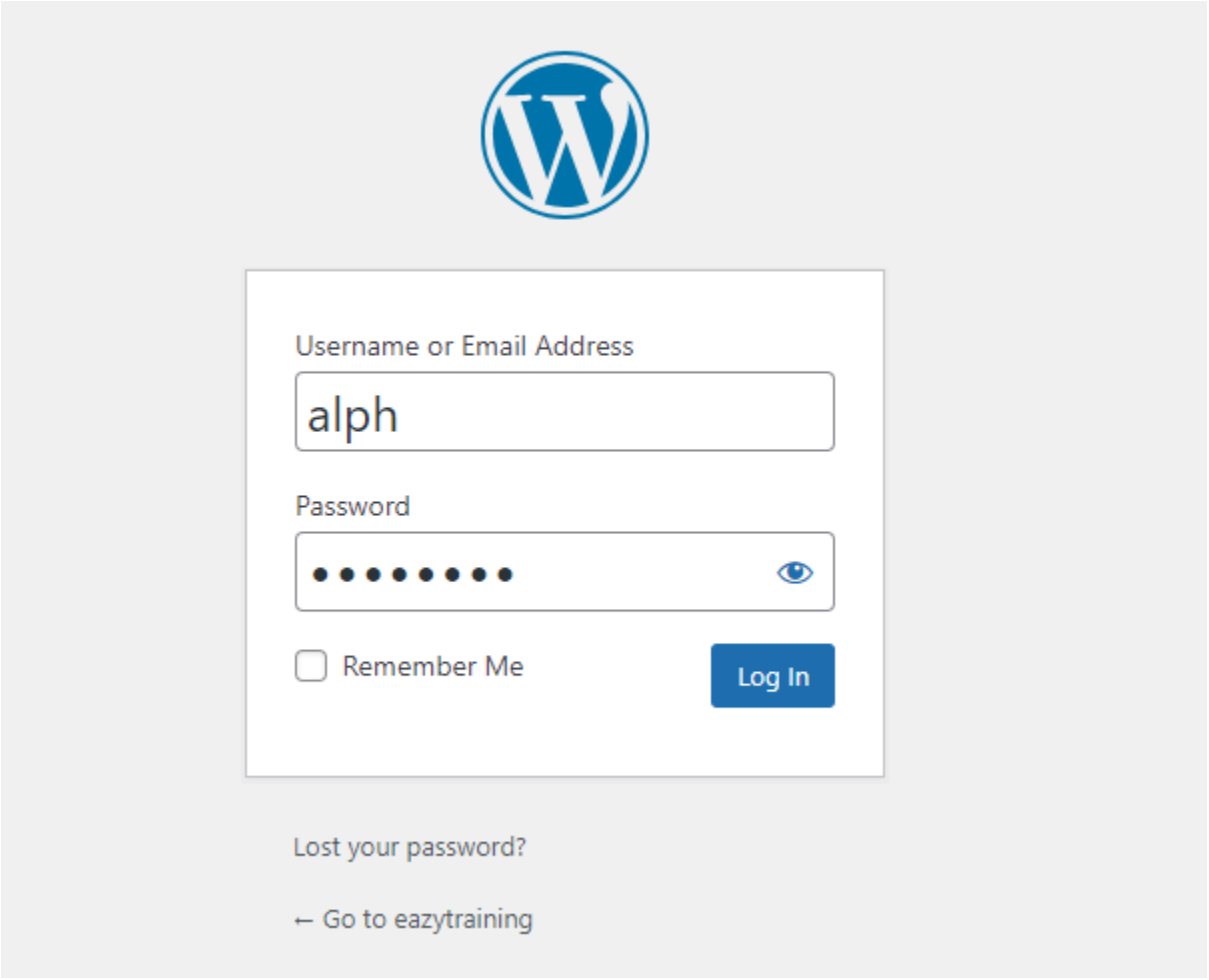

WordPress › Setup Configuratio
Non sécurisé
52.23.249.31/wp-admin/setup-config.php
Gmail
YouTube
Maps
Installez Wondersha...
Comment migrer u...
English (United States)
Afrikaans
አማርኛ
Aragonés
العربية
العربية المغربية
অসমীয়া
گؤنئی آذربایجان
Azərbaycan dili
Беларуская мова
Български
বাংলা
Bosanski
Català
Cebuano
Čeština
Cymraeg
Dansk
Deutsch
Deutsch (Sie)
Continue

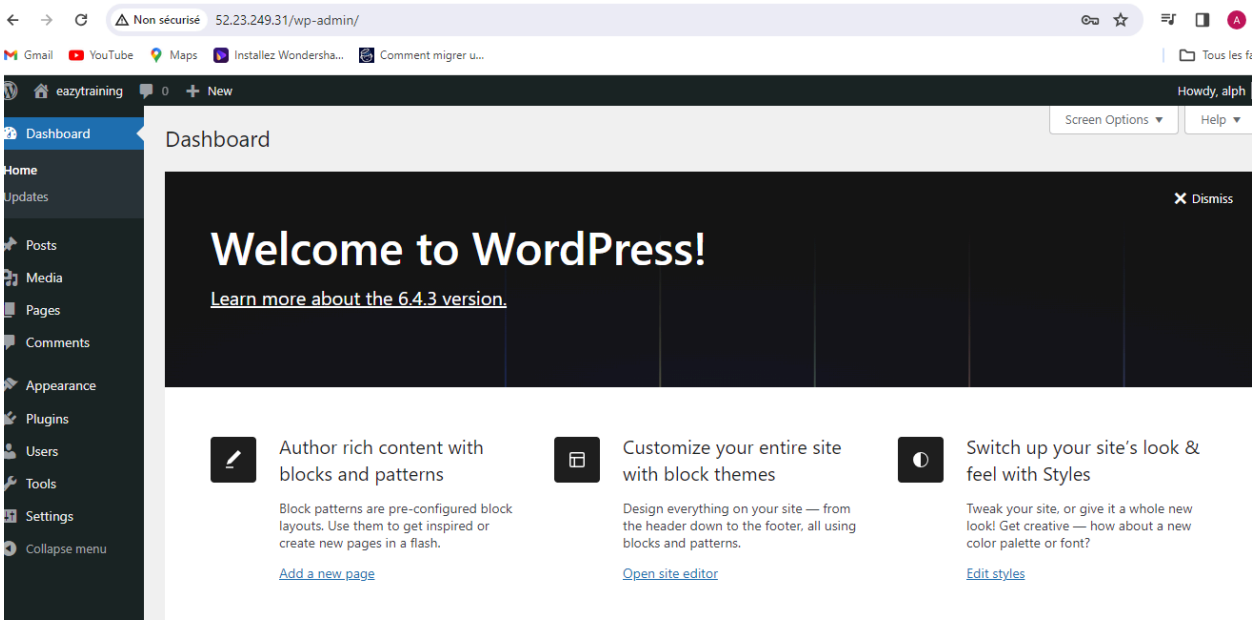

Welcome to WordPress. Before getting started, you will need to know the following items.
1. Database name
2. Database username
3. Database password
4. Database host
5. Table prefix (if you want to run more than one WordPress in a single database)
This information is being used to create a wp-config.php file. If for any reason this automatic file creation does not work, do not worry. All this does is fill in the database information to a configuration file. You may also simply open wp-config-sample.php in a text editor, fill in your information, and save it as wp-config.php. Need more help? Read the support article on wp-config.php.
In all likelihood, these items were supplied to you by your web host. If you do not have this information, then you will need to contact them before you can continue. If you are ready...
Let's go!


Below you should enter your database connection details. If you are not sure about these, contact your host.
Database Name
wordpress
The name of the database you want to use with WordPress.
Username
wordpress
Your database username.
Password
•••••••
Show
Your database password.
Database Host
localhost
You should be able to get this info from your web host, if localhost does not work.
Table Prefix
wp_
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
eazytraining
Username
alph
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
Show
Weak
Important: You will need this password to log in. Please store it in a secure location.
Confirm Password
Confirm use of weak password


Username or Email Address
alph
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!!!👏🎊