Install wordpress on AWS Amazon Linux

I launched one ec2 and connected via ssh

ssh -i /path/to/your-key.pem ec2-user@your-ec2-public-ip

Sudo yum update –y

Apache

Sudo yum install –y httpd

I have to install packages : php, httpd, msql wordpress,

Php

sudo amazon-linux-extras enable php7.4 - not worked

cat /etc/os-release

On Amazon Linux 2, the `amazon-linux-extras` package should be installed by default. If it's missing, you can install it using the package manager `yum`:

sudo yum install -y amazon-linux-extras   -

The error message **`Error: Unable to find a match: amazon-linux-extras`** occurs because the `amazon-linux-extras` tool is not available on **Amazon Linux 2023**. As mentioned earlier, **Amazon Linux 2023** uses the `dnf` package manager (similar to Fedora), and the `amazon-linux-extras` command was specific to **Amazon Linux 2**.

sudo dnf install -y epel-release

Last metadata expiration check: 12:01:26 ago on Sun Nov 10 06:41:52 2024.

No match for argument: epel-release

Error: Unable to find a match: epel-release

sudo dnf install -y https://rpms.remirepo.net/enterprise/remi-release-9.rpm

sudo yum install -y php php-cli php-fpm php-mysqlnd php-opcache php-gd php-xml php-mbstring php-json –worked , installed php 8.3

php –v

sudo service php-fpm start

sudo service php-fpm enable

sudo service php-fpm status

Mysql

sudo yum install -y mysql-server

sudo rpm -Uvh https://dev.mysql.com/get/mysql80-community-release-el7-3.noarch.rpm

sudo yum install -y mysql-community-server

sudo yum install -y https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm

sudo yum install -y mysql-community-server

Completely Remove MySQL 8.0 and Reinstall MySQL 5.7

sudo rpm -e mysql80-community-release-el7-3.noarch

sudo yum remove mysql-community-server mysql-community-client mysql-community-common mysql-community-libs mysql-community-devel

sudo yum remove mysql80-community-release

sudo yum clean all

wget https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm

sudo rpm -ivh mysql57-community-release-el7-11.noarch.rpm

sudo yum install -y mysql-community-server

These all are not worked

instead of mysql i tried to install Mariadb

sudo curl -o /etc/yum.repos.d/MariaDB.repo https://downloads.mariadb.com/MariaDB/mariadb-10.5/repositories/rhel8-amd64/mariadb-10.5.13-rhel8-x86_64.rpm

ls /etc/yum.repos.d/

sudo dnf install -y mariadb-server

Not worked so

Instead of trying to install the repository file, **create the repository configuration file** manually.

sudo dnf makecache

sudo dnf install -y mariadb-server

sudo rm -f /etc/yum.repos.d/MariaDB.repo

sudo tee /etc/yum.repos.d/MariaDB.repo <<EOF

[mariadb]

name = MariaDB

baseurl = https://yum.mariadb.org/10.6/rhel8-amd64

gpgkey = https://yum.mariadb.org/RPM-GPG-KEY-MariaDB

gpgcheck = 1

enabled = 1

EOF

sudo dnf makecache

sudo dnf install -y mariadb-server

MariaDB 10.6 packages depend on **OpenSSL 1.1**, but your **Amazon Linux 2023** system might have a newer version of **OpenSSL** (such as OpenSSL 3.0) or missing older OpenSSL libraries.

sudo dnf install -y compat-openssl11

sudo dnf groupinstall "Development Tools"

sudo dnf install -y gcc openssl-devel

wget https://www.openssl.org/source/openssl-1.1.1u.tar.gz

tar -xvzf openssl-1.1.1u.tar.gz

cd openssl-1.1.1u

./config --prefix=/usr/local/openssl --openssldir=/usr/local/openssl

make

sudo make install

sudo ln -sf /usr/local/openssl/bin/openssl /usr/bin/openssl

sudo ldconfig

These are not worked .

Finallay i created a mysql rds database instance with name wordpress-database

Working with EC2

To install the MariaDB mysql command line client on Amazon Linux 2023, run the following command:

sudo dnf install mariadb105

mysql -h your-rds-endpoint -u your-username -p

CREATE DATABASE wordpress CHARACTER SET utf8;

-- Step 1: Create the user 'wordpress' with a password

CREATE USER 'wordpress'@'%' IDENTIFIED BY 'wordpress';

-- Step 2: Grant all privileges on the 'wordpress' database to the user 'wordpress'

GRANT ALL PRIVILEGES ON wordpress.* TO 'wordpress'@'%';

-- Step 3: Reload privileges to apply changes

FLUSH PRIVILEGES;

Quit;

Create a new user in ec2

sudo useradd -m -s /bin/bash wordpress

su wordpress

cd /var/www/html

sudo wget https://wordpress.org/latest.tar.gz

For security reasons, the password you type will not be visible.

[sudo] password for wordpress:

After typing password shows: wordpress is not in the sudoers file.

The error message "wordpress is not in the sudoers file" typically occurs when the user you're logged in as doesn't have the necessary permissions to use `sudo` (which is a command that allows users to execute commands as a superuser or another user with higher privileges).

sudo usermod -aG sudo wordpress

wordpress is not in the sudoers file.again shows this

If you're still having issues, you can edit the `sudoers` file to give the `wordpress` user sudo permissions manually.

sudo visudo

At the end of file type

wordpress ALL=(ALL) NOPASSWD:ALL

Save and exit the editor (in `visudo`, press `CTRL+X`, then `Y` to confirm changes, and `Enter` to save).

Once you've made the changes, you can test the `sudo` access by logging in as the `wordpress` user and trying to run a command with `sudo`, for example:

sudo whoami

If everything is set up correctly, this should return `root`.

Download the wordpress

cd /var/www/html

sudo wget https://wordpress.org/latest.tar.gz

sudo tar -xvzf latest.tar.gz

How to remove wordpress:bcz i have installed wordpress on root

cd /var/www/html

sudo find / -name "wp-config.php"

sudo rm -rf /var/www/html/*

Su wordpress
enter password

Sudo systemctl start httpd

Sudo systemctl status httpd

Again Download the wordpress

cd /var/www/html

sudo wget https://wordpress.org/latest.tar.gz

sudo tar -xvzf latest.tar.gz

Set the Correct Permissions

Make sure the WordPress directory and files are owned by the `wordpress` user just created:

sudo find /var/www/html/wordpress -type d -exec chmod 755 {} \;

sudo find /var/www/html/wordpress -type f -exec chmod 644 {} \;

sudo chmod -R 775 /var/www/html/wordpress/wp-content

sudo chown -R wordpress:www-data /var/www/html/wordpress : this is for given access to webserver apache , but then i see this error:

sudo chown -R wordpress:www-data /var/www/html/wordpress

chown: invalid group: ‘wordpress:www-data’

On many Linux distributions (especially Ubuntu and Debian), `www-data` is the default group for the web server user (Apache/Nginx). But it’s possible that the group doesn't exist or is named differently on your system.

Check if the `www-data` Group Exists

On many Linux distributions (especially Ubuntu and Debian), `www-data` is the default group for the web server user (Apache/Nginx). But it’s possible that the group doesn't exist or is named differently on your system.

can check if `www-data` exists as a group by running:

```
getent group www-data
```

- If the group exists, see output similar to:

```
www-data:x:33:
```

- If the group doesn't exist, won't see any output.

Verify the Web Server Group

Depending on web server and Linux distribution, the web server user may belong to a different group. Here's how to verify the web server user and its group:

- For **Apache** on Ubuntu/Debian, the web server user is usually `www-data`.
- For **Apache** on CentOS/Red Hat, the web server user is usually `apache`.
- For **Nginx**, the user might be `www-data` (Ubuntu/Debian) or `nginx` (CentOS/Red Hat).

check the web server user and group by running:

```
ps aux | grep apache
apache    64092  0.0  0.4  17028  4536 ?      S    05:30   0:00 /usr/sbin/httpd -
DFOREGROUND
apache    64093  0.0  0.7 1084992 7584 ?      Sl   05:30   0:00 /usr/sbin/httpd -
DFOREGROUND
apache    64094  0.0  0.7 1248896 7584 ?      Sl   05:30   0:00 /usr/sbin/httpd -
DFOREGROUND
apache    64095  0.0  0.7 1084992 7584 ?      Sl   05:30   0:00 /usr/sbin/httpd -
DFOREGROUND
apache    64271  0.0  0.7 401160  7436 ?      S    05:30   0:00 php-fpm: pool www
apache    64272  0.0  0.7 401160  7436 ?      S    05:30   0:00 php-fpm: pool www
apache    64273  0.0  0.7 401160  7436 ?      S    05:30   0:00 php-fpm: pool www
apache    64275  0.0  0.7 401160  7436 ?      S    05:30   0:00 php-fpm: pool www
apache    64276  0.0  0.7 401160  7436 ?      S    05:30   0:00 php-fpm: pool www
wordpre+  71049  0.0  0.2 222312  2072 pts/0   S+   06:30   0:00 grep --color=auto apache
```

- The **web server user** on my system is `apache`, not `www-data`.
- The **group ownership** should be changed to `apache` to allow the web server to interact with the WordPress files.
- Use the following command to set ownership:

```
sudo chown -R wordpress:apache /var/www/html/wordpress
```

To configure **WordPress** installation to use **Amazon RDS MySQL** database

To update the `wp-config.php` file in WordPress installation directory with the RDS database details.

Edit the `wp-config.php` File

Once located `wp-config.php`, open it for editing with a text editor like `nano` or `vim`. For example, to open it with `nano`:

sudo nano /var/www/html/wp-config.php

define('DB_NAME', ' '); // The name of the database that created

define('DB_USER', ' '); // The username that created

define('DB_PASSWORD', '   '); // The password for the user

define('DB_HOST', ' '); // Replace with RDS endpoint and port

Install mysql client to interact with rds

sudo apt install mysql-client-core-5.7

mysql -h RDS endpoint -u RDS username -p RDS password

mysql -h mydb.xxxxxxxxxxxx.us-west-2.rds.amazonaws.com -u admin –p

Enter password

SHOW DATABASES;

Appache configuration

Sudo systemctl enable httpd
sudo nano /etc/httpd/conf.d/wordpress.conf

<VirtualHost *:80>

ServerAdmin webmaster@localhost

```
    ServerName 54.91.189.19
    DocumentRoot /var/www/html/wordpress

    <Directory /var/www/html/wordpress>
        Options Indexes FollowSymLinks MultiViews
        AllowOverride All
        Require all granted
    </Directory>

    SetHandler "proxy:fcgi://127.0.0.1:9000"

    ErrorLog /var/log/httpd/wordpress_error.log
    CustomLog /var/log/httpd/wordpress_access.log combined

    ErrorDocument 404 /404.html
    ErrorDocument 500 /500.html
</VirtualHost>
```

```
sudo apachectl configtest
AH00526: Syntax error on line 3 of /etc/httpd/conf.d/wordpress.conf:
ServerName takes one argument, The hostname and port of the server
Removed # Use EC2 instance public IP, then error gone
```

Add one inbound rule :

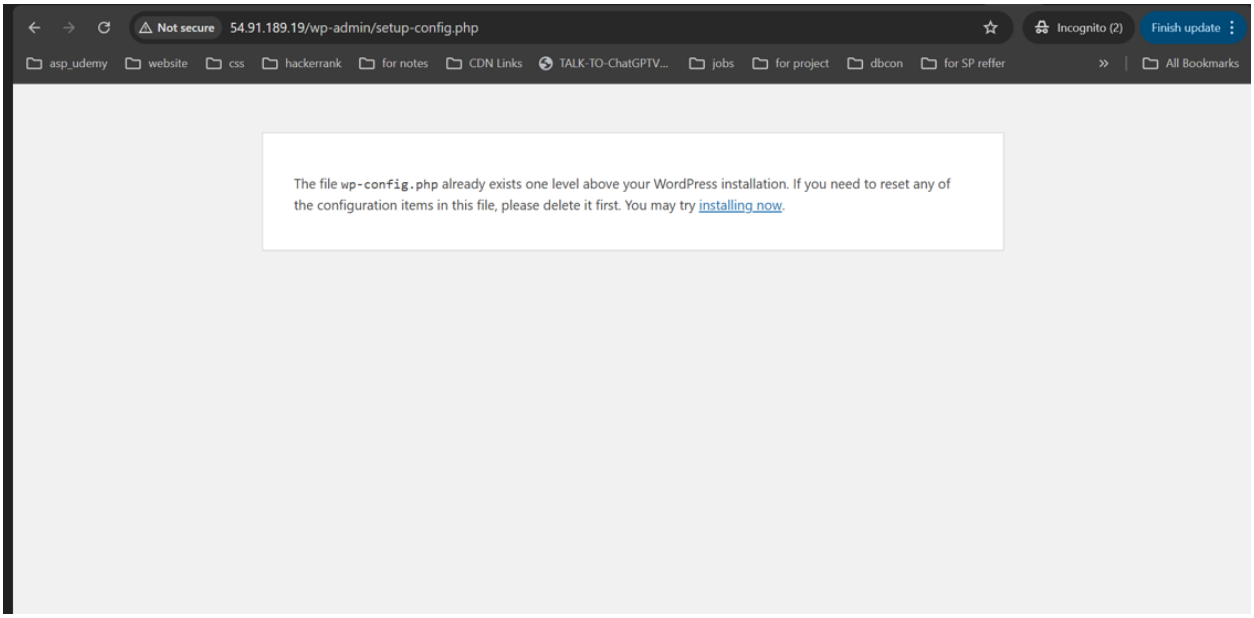
- Go to the AWS Management Console.

- Open the **EC2 Dashboard**.
- Select EC2 instance, and check the **Security Group** associated with it.
- Ensure an inbound rule allowing **HTTP** (port 80) and **HTTPS** (port 443), with the source set to **0.0.0.0/0** (allowing traffic from any IP) or specific IP range.

In rds do some changes :

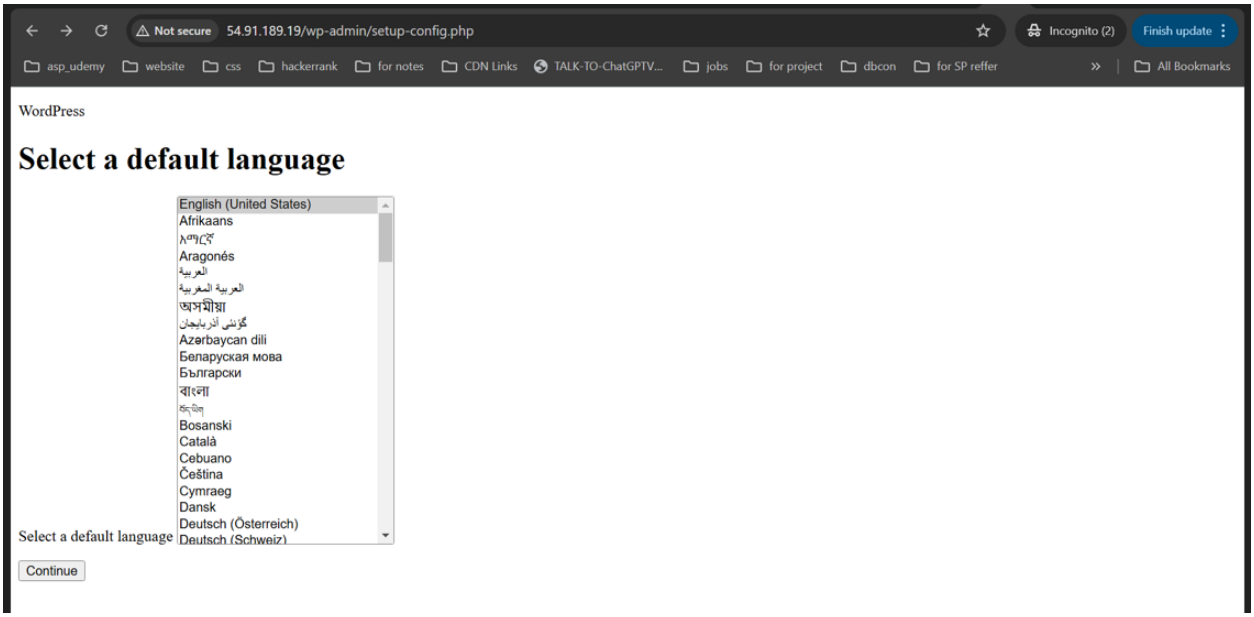
- Go to the **AWS Management Console**.
- Navigate to **RDS** (under Services).
- Find and select **RDS database instance**.
- Under **Connectivity & Security**, check if the option **Publicly Accessible** is set to **Yes**.
- If it's set to **No**, change it to **Yes**.
- **Publicly Accessible** means RDS instance can accept connections from outside AWS, like EC2 instance.

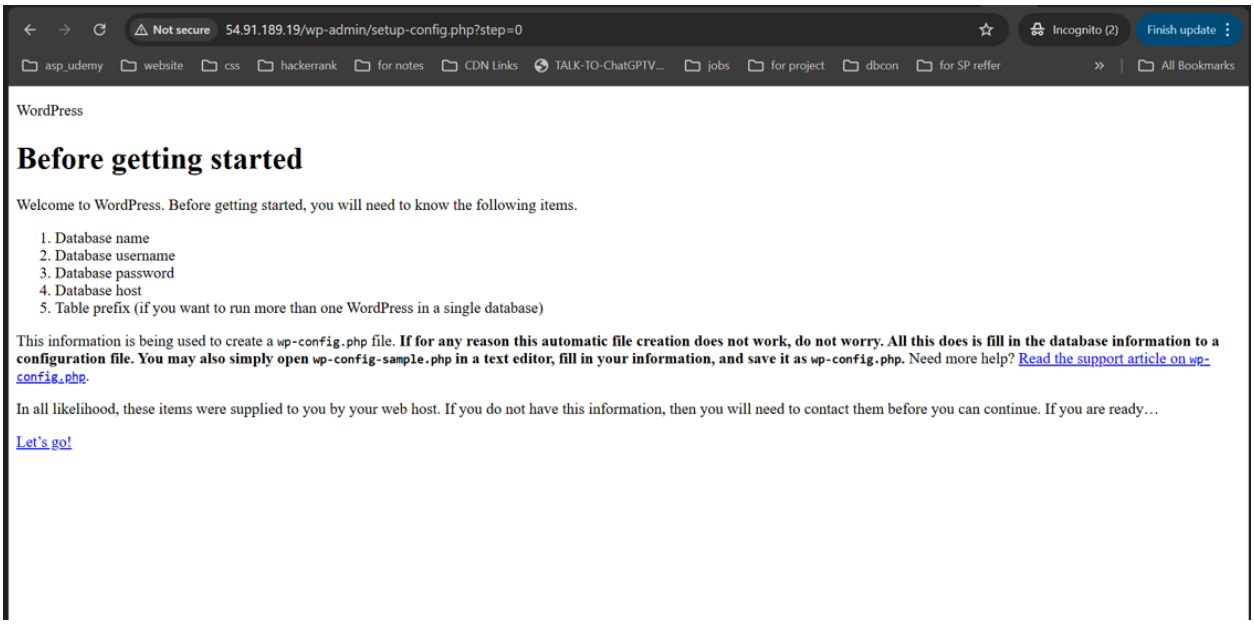
When i browse the url : 54.91.189.19/wp-admin/setup-config.php

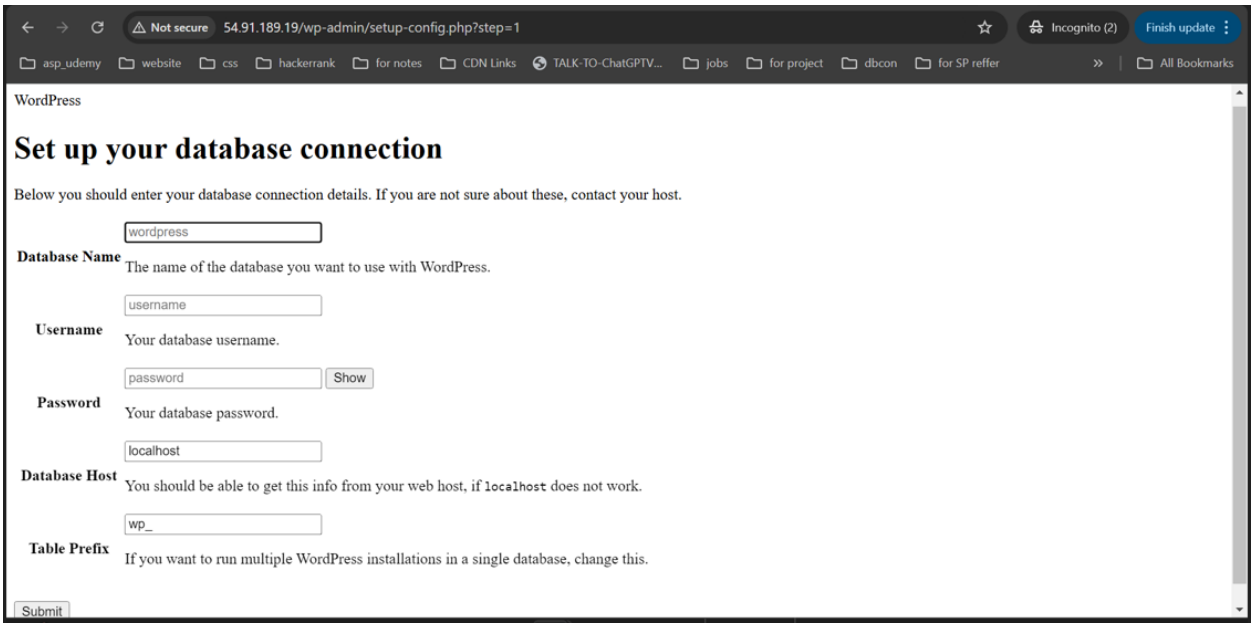


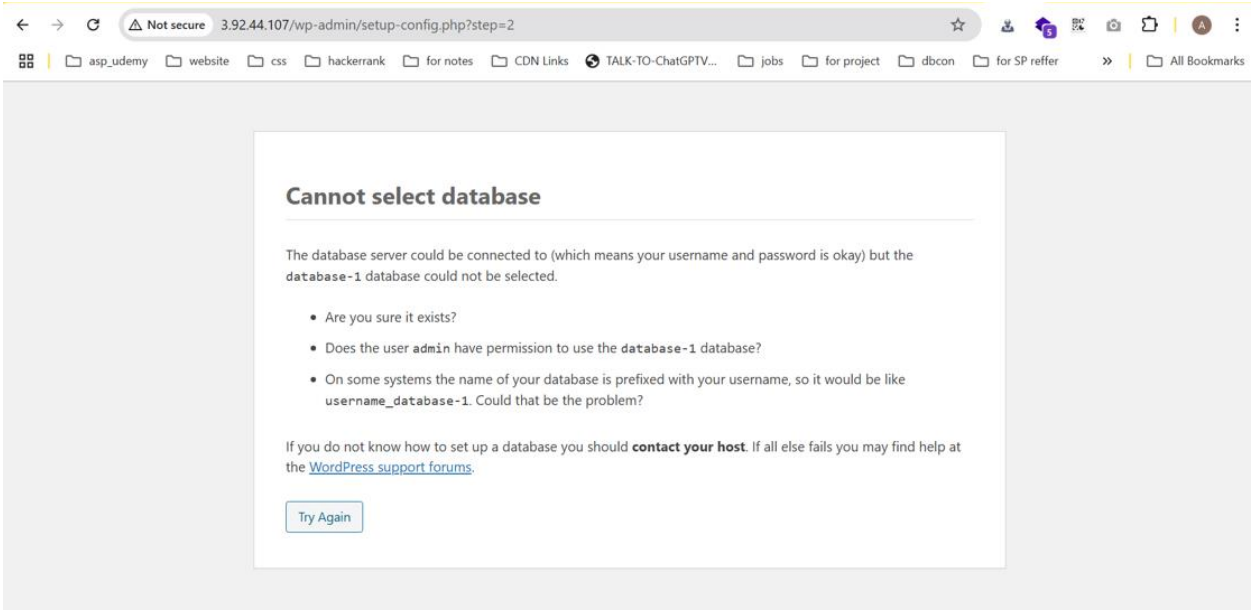
Then i have renamed wp-config.php to wp-config-backup.php

Then again i broswe the url: 54.91.189.19/wp-admin/setup-config.php

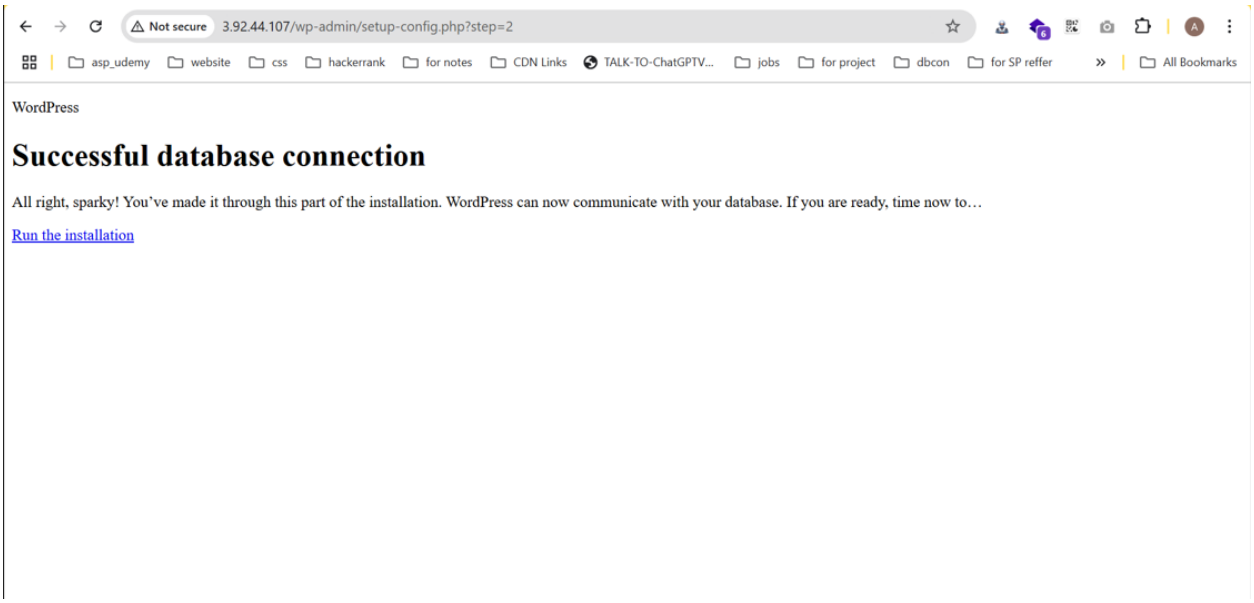


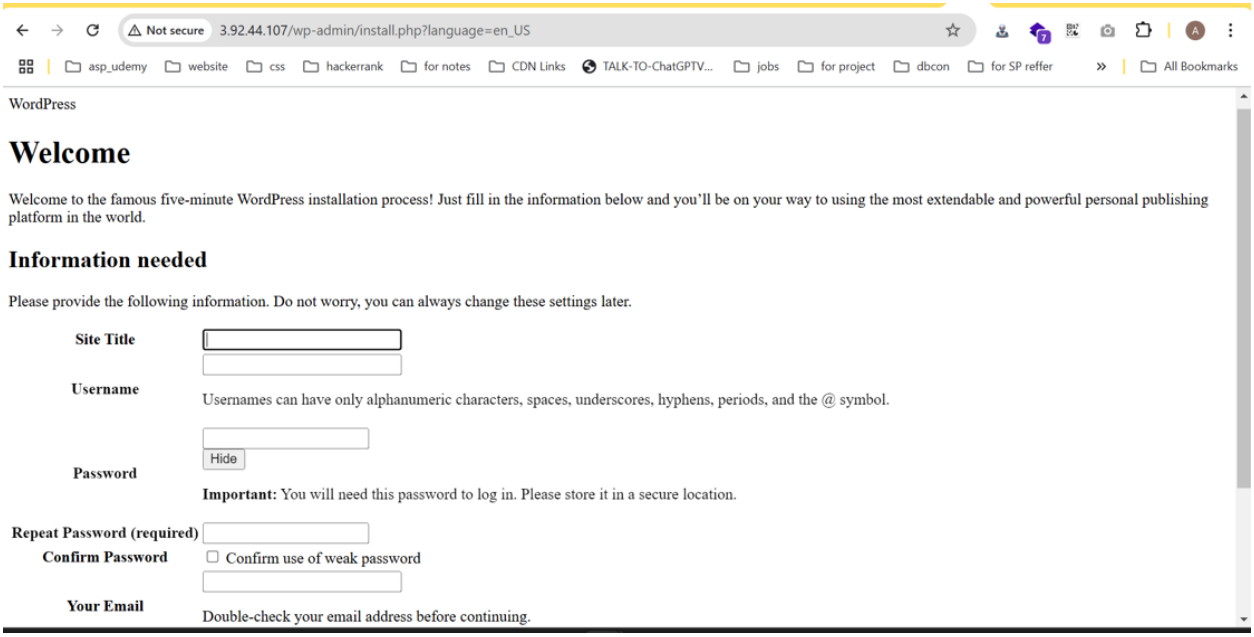


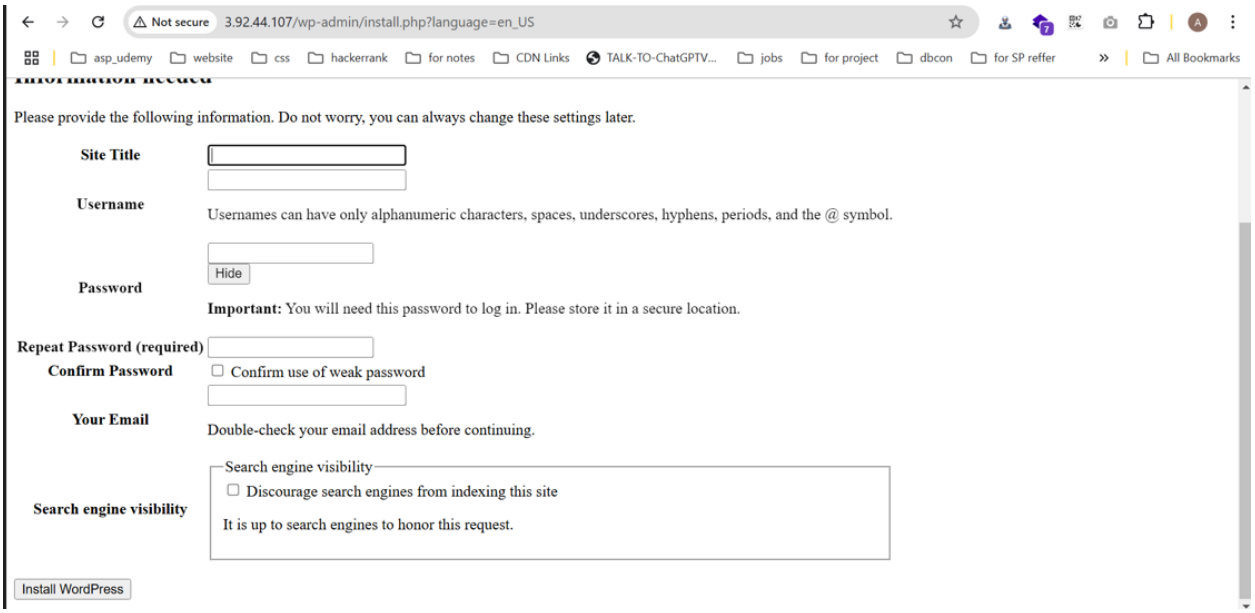




I have stoped my ec2 for a while , then i started aftersome time then i got new ip address for my ec2 . I browse again then I got error bcz of wrong credentials , then again i put correct credentials


Not secure 3.92.44.107/wp-admin/setup-config.php?step=2
asp_udemy website css hackerrank for notes CDN Links TALK-TO-ChatGPTV... jobs for project dbcon for SP reffer All Bookmarks
WordPress
Successful database connection
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


Not secure 3.92.44.107/wp-admin/install.php?language=en_US
asp_udemy website css hackerrank for notes CDN Links TALK-TO-ChatGPTV... jobs for project dbcon for SP reffer All Bookmarks
WordPress
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
Username
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
Hide
Important: You will need this password to log in. Please store it in a secure location.
Repeat Password (required)
Confirm Password
Confirm use of weak password
Your Email
Double-check your email address before continuing.


Not secure
3.92.44.107/wp-admin/install.php?language=en_US
asp_udemy
website
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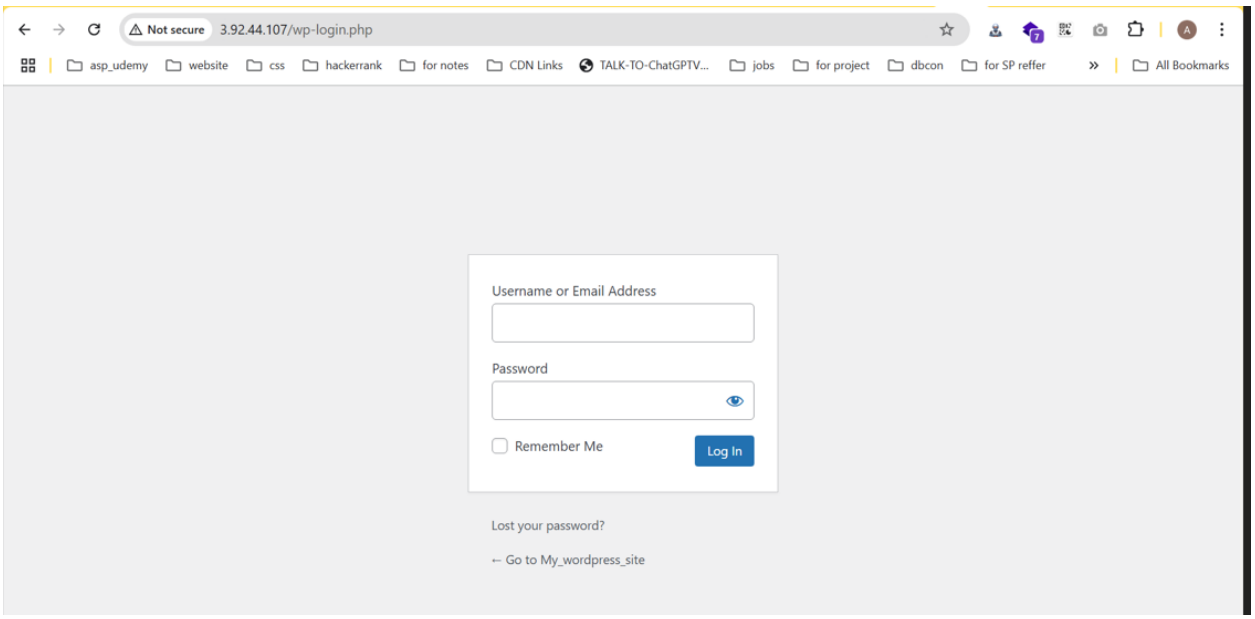
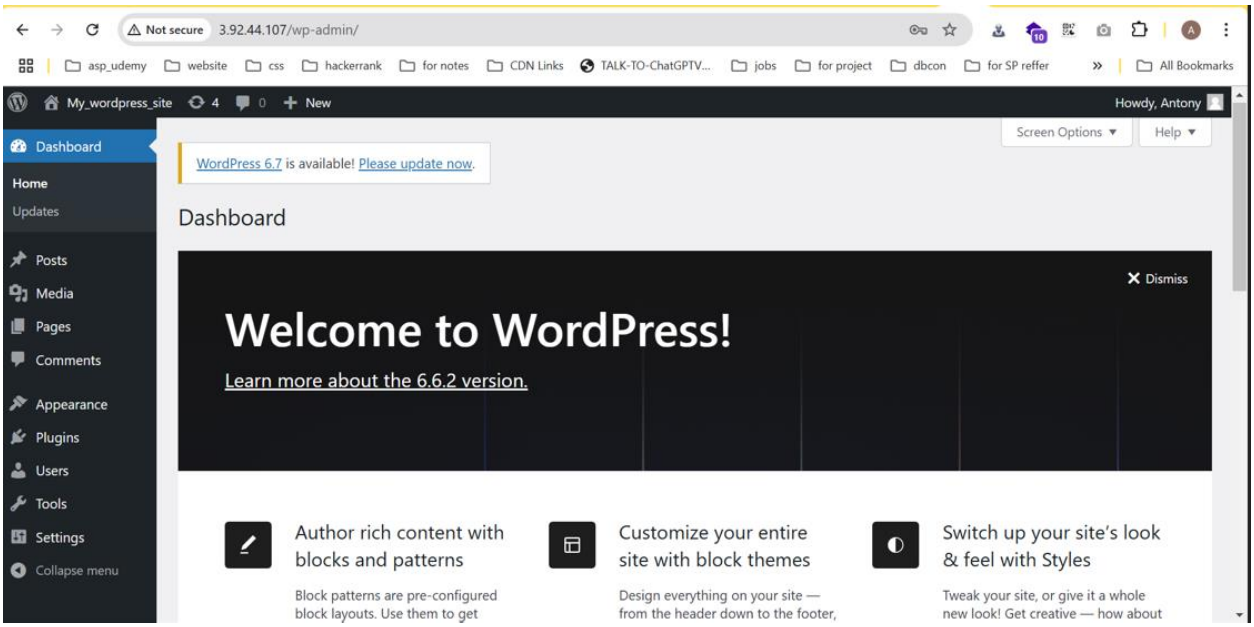
CDN Links
TALK-TO-ChatGPTV...
jobs
for project
dbcon
for SP reffer
All Bookmarks
Please provide the following information. Do not worry, you can always change these settings later.
Site Title
Username
Usernames can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.
Password
Hide
Important: You will need this password to log in. Please store it in a secure location.
Repeat Password (required)
Confirm Password
Confirm use of weak password
Your Email
Double-check your email address before continuing.
Search engine visibility
Search engine visibility
Discourage search engines from indexing this site
It is up to search engines to honor this request.
Install WordPress


Not secure
3.92.44.107/wp-login.php
asp_udemy
website
css
hackerrank
for notes
CDN Links
TALK-TO-ChatGPTV...
jobs
for project
dbcon
for SP reffer
All Bookmarks
Username or Email Address
Password
Remember Me
Log In
Lost your password?
← Go to My_wordpress_site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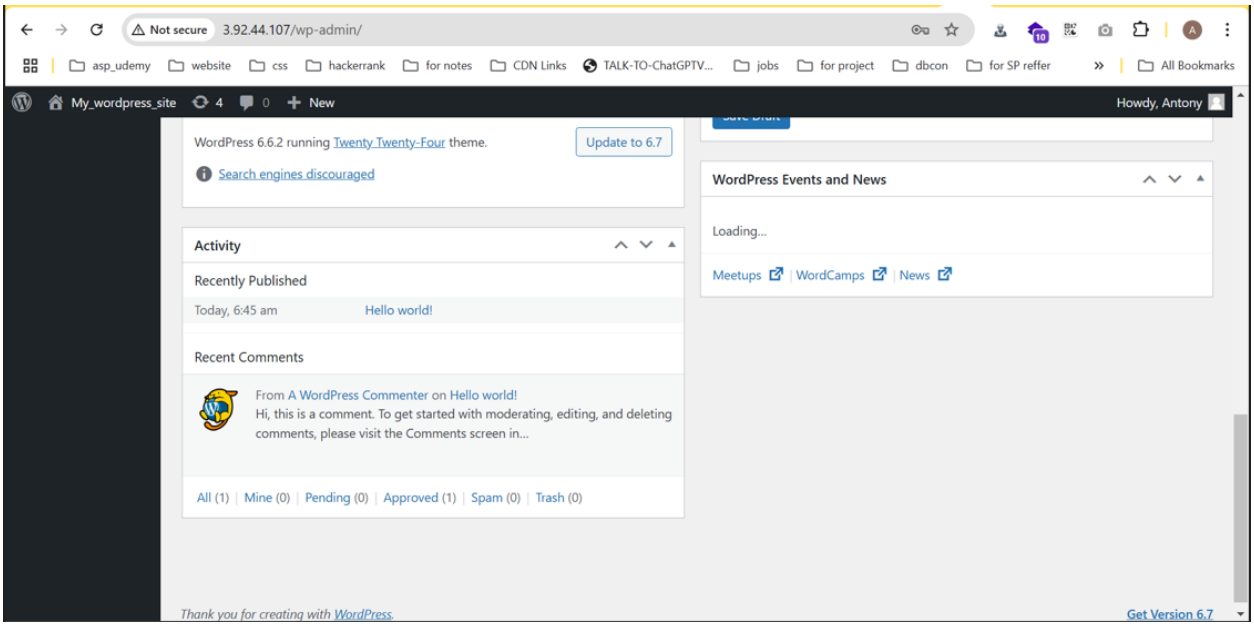
asp_udemy website css hackerrank for notes CDN Links TALK-TO-ChatGPTV... jobs for project dbcon for SP reffer All Bookmarks
My_wordpress_site 4 0 New Howdy, Antony
Dashboard
Home
Updates
Posts
Media
Pages
Comments
Appearance
Plugins
Users
Tools
Settings
Collapse menu
Screen Options Help
WordPress 6.7 is available! Please update now.
Dashboard
Dismiss
Welcome to WordPress!
Learn more about the 6.6.2 version.
Author rich content with blocks and patterns
Block patterns are pre-configured block layouts. Use them to get
Customize your entire site with block themes
Design everything on your site — from the header down to the footer,
Switch up your site's look & feel with Styles
Tweak your site, or give it a whole new look! Get creative — how about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asp_udemy website css hackerrank for notes CDN Links TALK-TO-ChatGPTV... jobs for project dbcon for SP reffer All Bookmarks
My_wordpress_site 4 0 New Howdy, Antony
WordPress 6.6.2 running Twenty Twenty-Four theme.
Update to 6.7
Search engines discouraged
Activity
Recently Published
Today, 6:45 am Hello world!
Recent Comments
From A WordPress Commenter on Hello world!
Hi, this is a comment. To get started with moderating, editing, and deleting comments, please visit the Comments screen in...
All (1) | Mine (0) | Pending (0) | Approved (1) | Spam (0) | Trash (0)
WordPress Events and News
Loading...
Meetups | WordCamps | News
Thank you for creating with WordPress.
Get Version 6.7