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Domain : **Cloud AWS**

Purpose: **Submitting of Task Week1 to Techplement.**

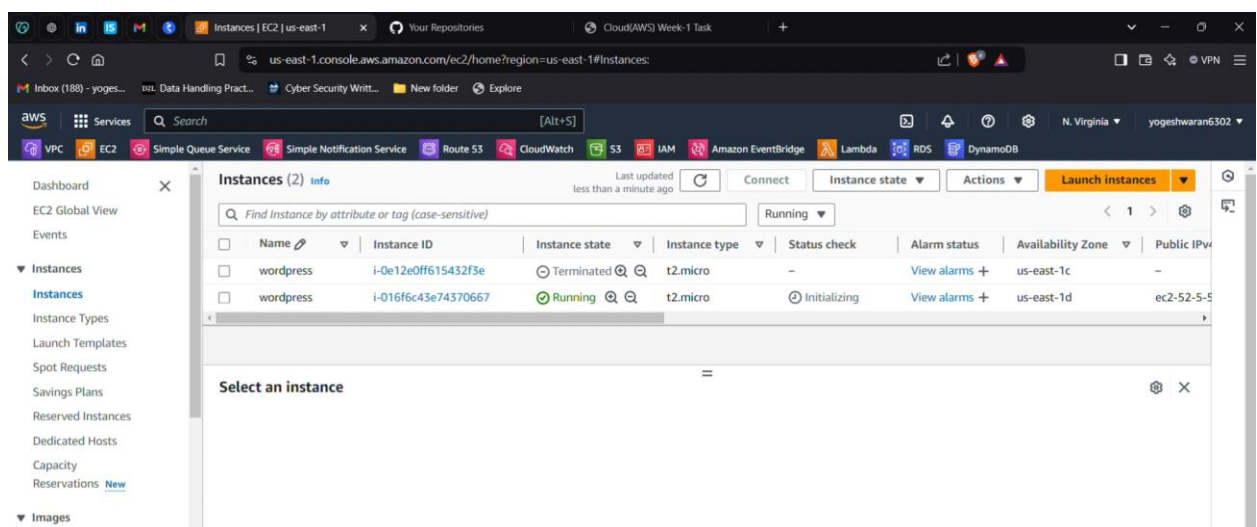
**1.Description: For monolithic : 1 EC2 instance, deploy wordpress and MYSQL on the same instances.**

To deploy WordPress with MySQL on a single EC2 instance, you can use **Ubuntu** AMI for this setup. Below is a guide that works on ubuntu, which is commonly used for AWS EC2 instances.

## Prerequisites

### 1. Create an EC2 instance:

- Go to the AWS Management Console.
- Launch a new **EC2 instance** with Amazon Linux 2 (or Ubuntu).
- Ensure the instance has at least **t2.micro** or **t3.micro** type for testing.
- Configure **Security Group** to allow **HTTP (80)** and **MySQL (3306)** if you plan to connect remotely.
- **SSH into the instance** using the key pair you selected.



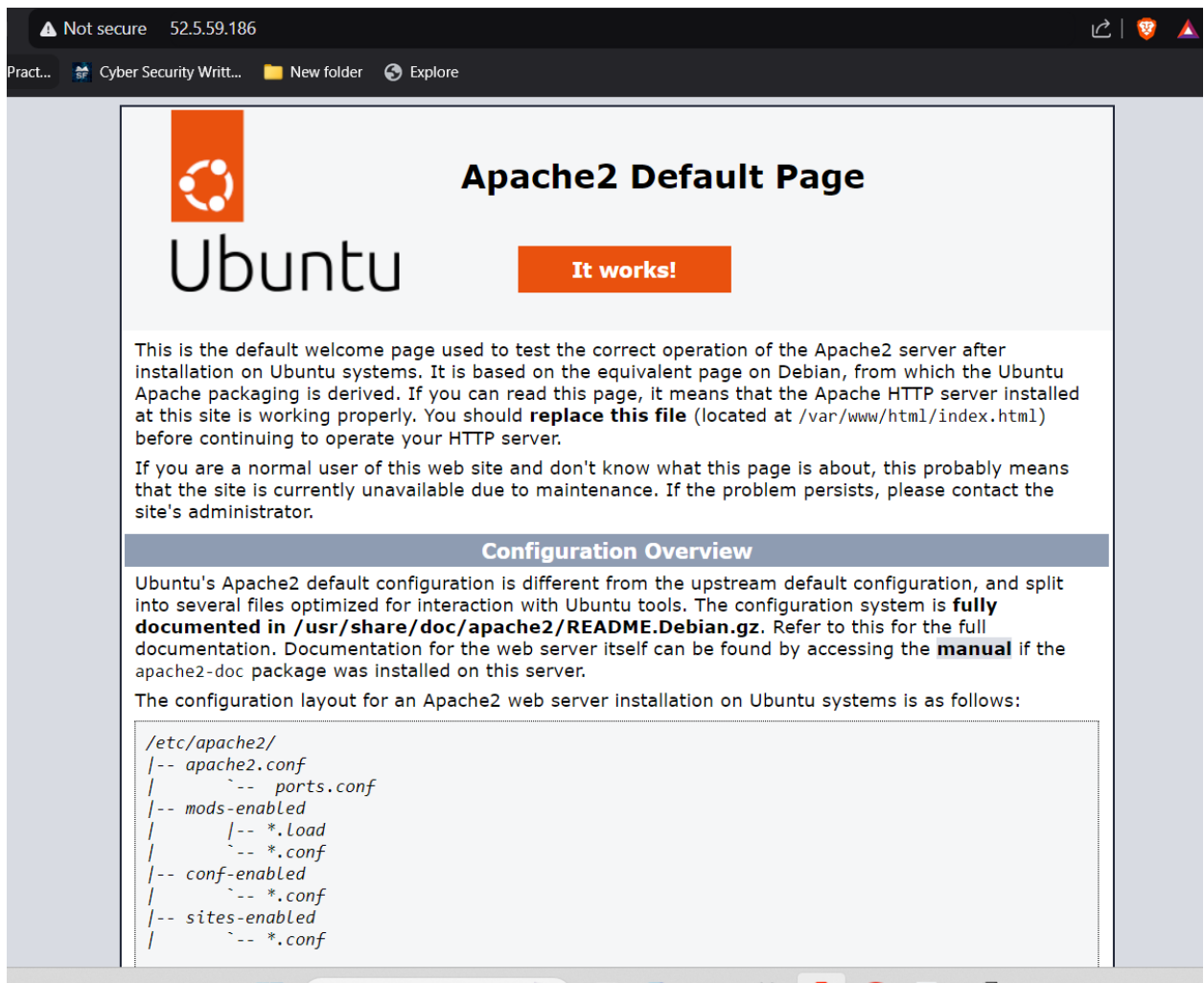
### 2.In Linux terminal:

Install Updates (Optional):

**Run apt-get update** on CLI

Step 1: Install Apache, PHP, and MariaDB - Install Apache Web Server and PHP:

**sudo apt install -y apache2 php php-mysql php-fpm php-json**



Step 2: Install MariaDB (MySQL Equivalent):

```
sudo apt install -y mysql-server
```

Step 3: Start and enable MariaDB:

```
sudo systemctl start mysql
```

```
sudo systemctl enable mysql
```

3. Configure Mysql Database:

Run MySQL secure installation:

```
sudo mysql_secure_installation
```

Create a MySQL database and user for WordPress:

```
sudo mysql -u root -p
```

```
CREATE DATABASE wordpress;

CREATE USER 'wpuser'@'localhost' IDENTIFIED BY 'strong_password';

GRANT ALL PRIVILEGES ON wordpress.* TO 'wpuser'@'localhost';

FLUSH PRIVILEGES;

EXIT;
```

#### 4. Install WordPress

Download WordPress:

```
cd /tmp

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

tar -xvf latest.tar.gz
```

Move WordPress files to the web root:

```
sudo mv wordpress /var/www/html/
```

Set proper permissions:

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

sudo chmod -R 755 /var/www/html/wordpress
```

Create the WordPress configuration file:

```
cd /var/www/html/wordpress

cp wp-config-sample.php wp-config.php
```

**Edit the `wp-config.php` file:** Update the database settings with the values you set earlier:

```
define('DB_NAME', 'wordpress');

define('DB_USER', 'wpuser');

define('DB_PASSWORD', 'strong_password');

define('DB_HOST', 'localhost');
```


Restart Apache:

```
sudo systemctl restart apache2
```

## Finalize WordPress Setup:

Not secure 52.5.59.186/wordpress/wp-admin/install.php

Cyber Security Writt... New folder Explore



### 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

Username can have only alphanumeric characters, spaces, underscores, hyphens, periods, and the @ symbol.

Password

Hide

Strong

**Important:** You will need this password to log in. Please store it in a secure location.

Your Email

Double-check your email address before continuing.

Creating Home page:

