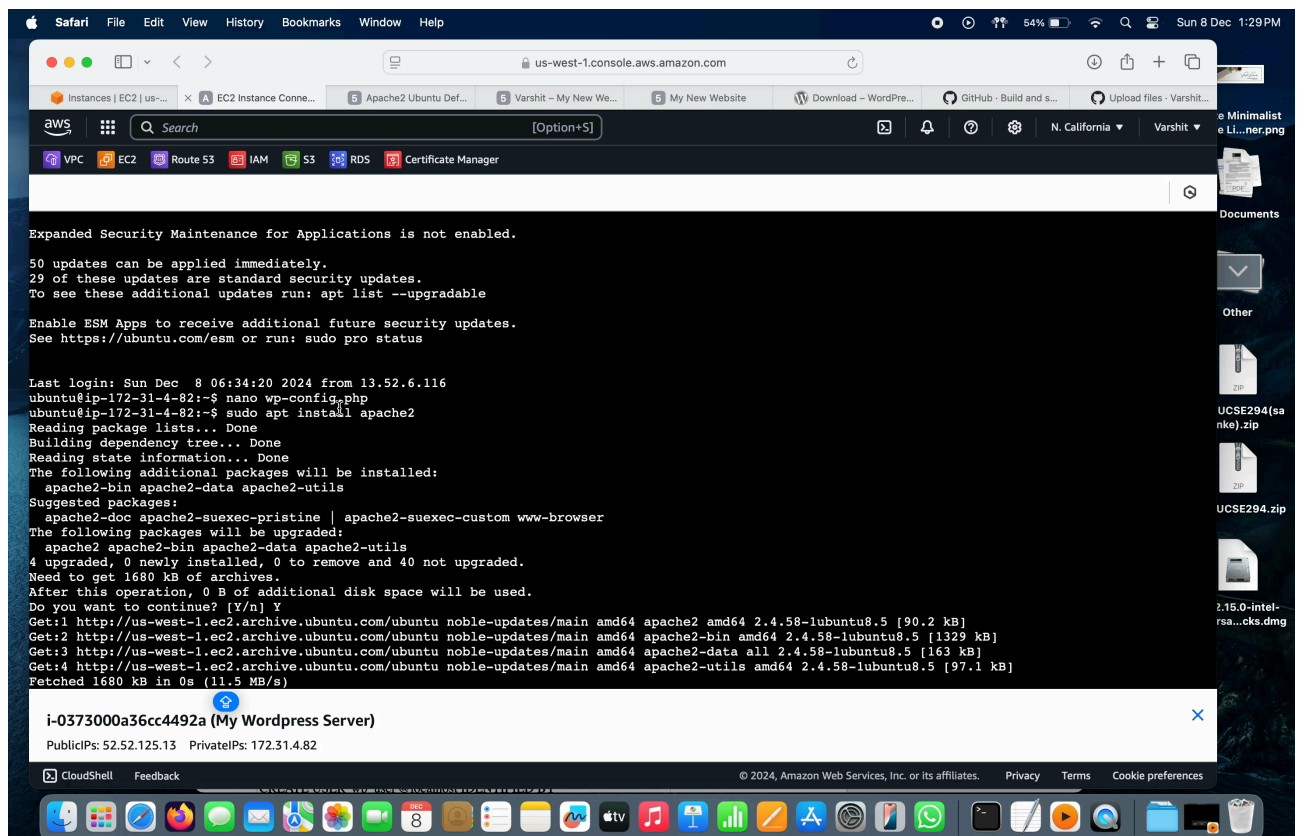


1. Install Apache server on Ubuntu : `sudo apt install apache2`



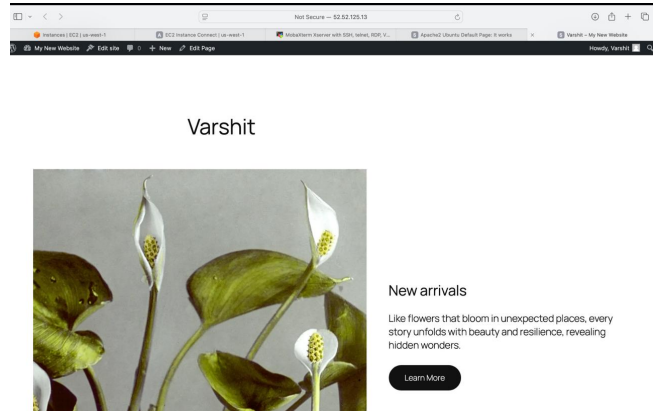
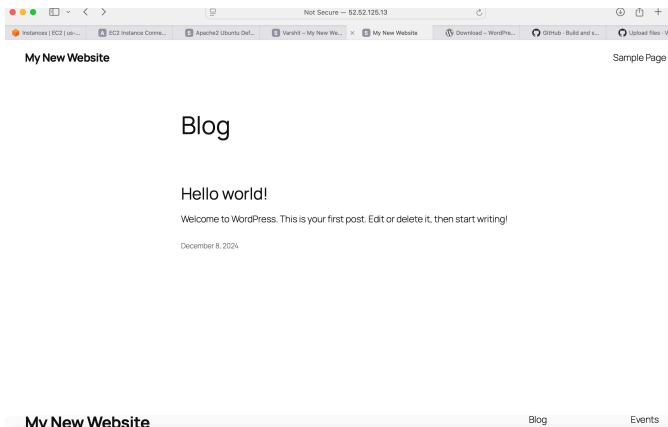
2. Install php runtime and php mysql connector: `sudo apt install php libapache2-mod-php php-mysql`

3. Install MySQL server : `sudo apt install mysql-server`

4. Login to MySQL server : `sudo mysql -u root`

5. Change authentication plugin to `mysql_native_password` (change the password to something strong) : `ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password by 'Testpassword@123';`

6. Create a new database user for wordpress (change the password to something strong) :



```
CREATE USER 'wp_user'@localhost IDENTIFIED BY 'Testpassword@123';
```

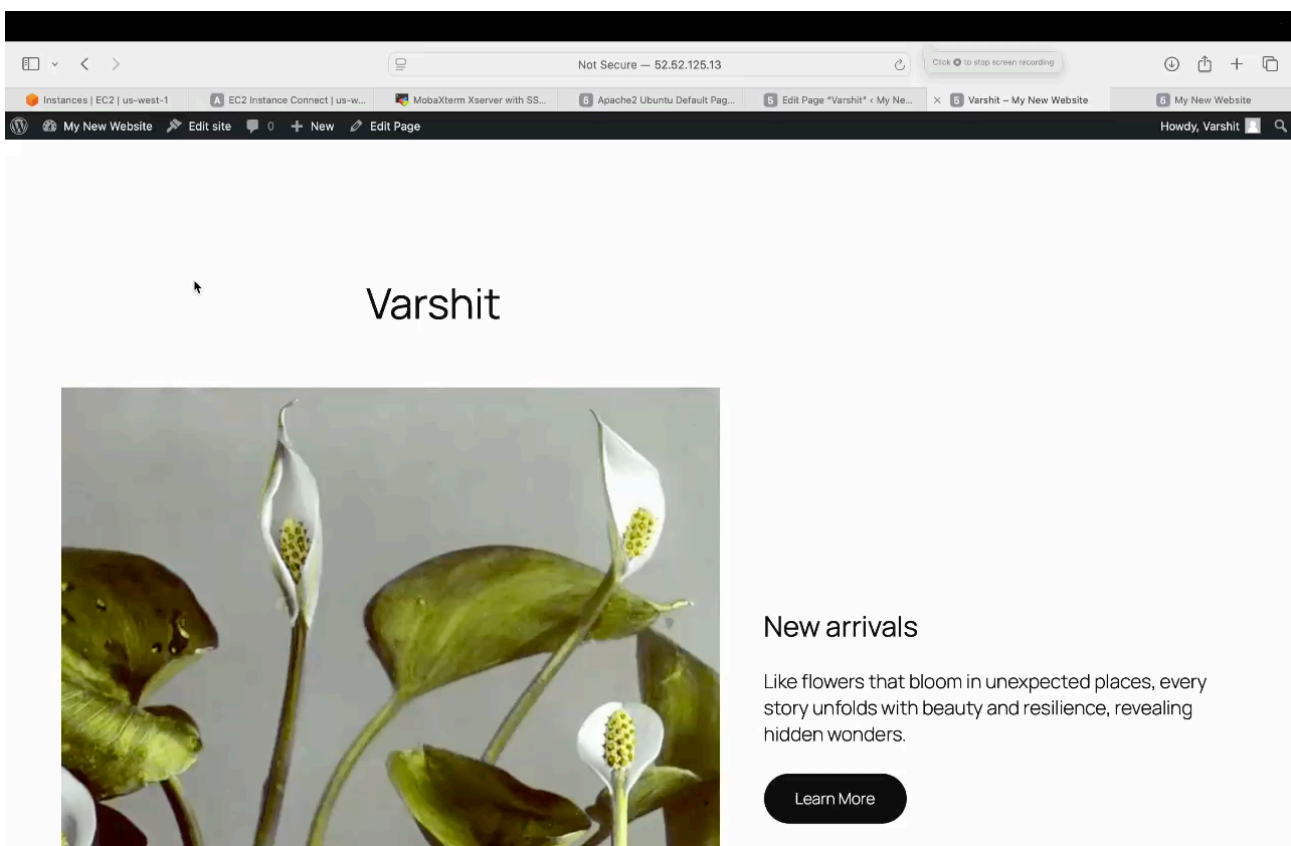
7. Create a database for wordpress : `CREATE DATABASE wp;`

8. Grant all privileges on the database 'wp' to the newly created user : `GRANT ALL PRIVILEGES ON wp.* TO 'wp_user'@localhost;`

9. Download wordpress : `cd /tmp , wget https://wordpress.org/latest.tar.gz`

10. Unzip : `tar -xvf latest.tar.gz`

11. Move wordpress folder to apache document root : `sudo mv wordpress/ /var/www/html`



THIS IS THE EDN>>>>!!!

Documentation.

1. EC2 Instances Setup

- **Instance 1:** WordPress Server
 - **Instance Type:** t2.micro
 - **AMI:** Ubuntu (e.g., Ubuntu Server 20.04 LTS)
 - **Security Group Rules:**
 - Allow HTTP (Port 80) from anywhere (0.0.0.0/0).
 - Allow SSH (Port 22) from your IP.
 - Allow access to MySQL (Port 3306) from the second instance's private IP.
- **Instance 2:** MySQL Server
 - **Instance Type:** t2.micro
 - **AMI:** Ubuntu (e.g., Ubuntu Server 20.04 LTS)
 - **Security Group Rules:**
 - Allow MySQL (Port 3306) from WordPress instance's private IP.
 - Allow SSH (Port 22) from your IP.

2. Installing Prerequisites

On WordPress Instance

1. Install Apache Web Server

[Copy code](#)

```
sudo apt update
```

2. ``` sudo apt install apache2 ```

3.

4. Install PHP and MySQL Connector for PHP

[Copy code](#)

```
sudo apt install php libapache2-mod-php php-mysql
```

5.

On MySQL Instance

1. Install MySQL Server

bash

Copy code

```
sudo apt update
```

2. `sudo apt install mysql-server`

3.

4. Configure MySQL

bash

Copy code

```
sudo mysql -u root
```

5. `ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Testpassword@123';`

6. `CREATE DATABASE wp;`

7. `CREATE USER 'wp_user'@'%' IDENTIFIED BY 'Testpassword@123';`

8. `GRANT ALL PRIVILEGES ON wp.* TO 'wp_user'@'%';`

9. `FLUSH PRIVILEGES;`

10.

11. Edit MySQL Configuration to Allow Remote Access

- Open the MySQL configuration file: bash

Copy code

```
sudo nano /etc/mysql/mysql.conf.d/mysqld.cnf
```

◦

- Replace `bind-address` with `0.0.0.0` to allow connections from other instances.

- Restart MySQL: bash

Copy code

```
sudo systemctl restart mysql
```

-

3. Deploy WordPress

1. Download and Extract WordPress

```
bash
```

```
Copy code
```

```
cd /tmp
```

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

```
3. tar -xvf latest.tar.gz
```

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

```
5.
```

6. Set Permissions

```
bash
```

```
Copy code
```

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

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

```
8.
```

9. Configure WordPress

- Rename the sample configuration file:

```
bash
```

```
Copy code
```

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

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

- 

- Edit `wp-config.php`: 

```
bash
```

```
Copy code
```

```
nano wp-config.php
```

○

Update the database details as:php

Copy code

```
define('DB_NAME', 'wp');
○ define('DB_USER', 'wp_user');
○ define('DB_PASSWORD', 'Testpassword@123');
○ define('DB_HOST', '<MySQL Instance Private IP>');
○
```

## 10 . Restart Apache

bash

Copy code

```
sudo systemctl restart apache2
```

11.

## 4. Access WordPress

- Open a browser and go to the WordPress instance's public IP.
- Complete the setup wizard to configure your website.