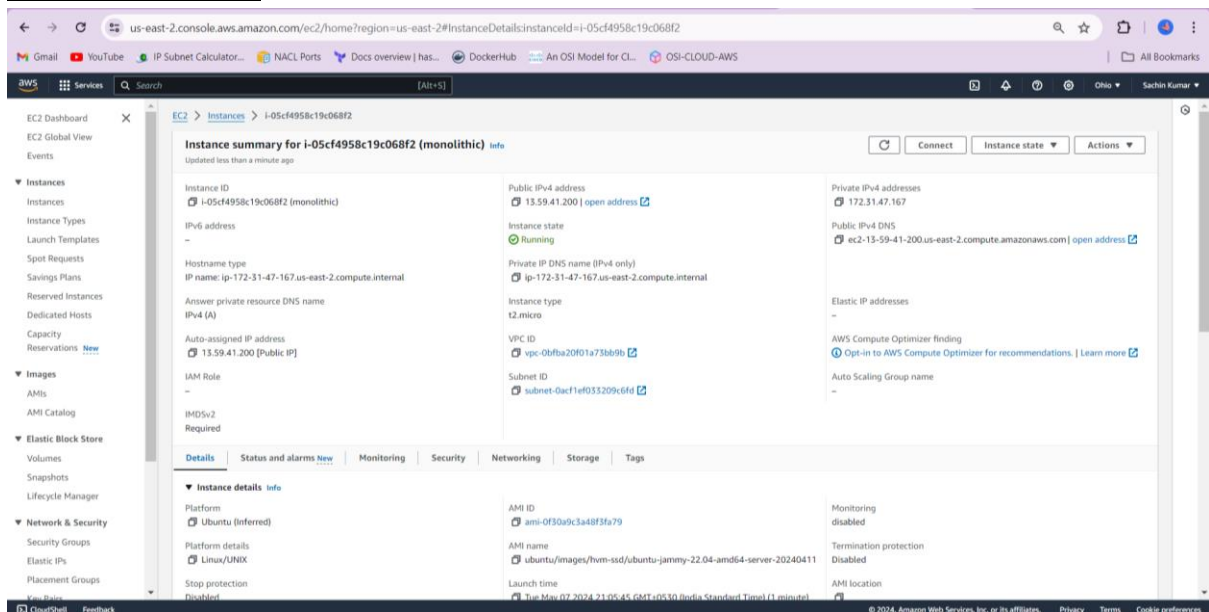


## Cloud(AWS) Week 1 Task:

- ❖ Prerequisites: Create your free-tier AWS account.
- ❖ Task: Deploy application in monolithic and microservices architecture.
- ❖ Description:
  - For monolithic : 1 EC2 instance, deploy wordpress and MYSQL on the same instances.

### Screenshots:



```
ubuntu@ip-172-31-47-167:~$ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.36-0ubuntu0.22.04.1 (Ubuntu)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE wordpress;
Query OK, 1 row affected (0.01 sec)

mysql> CREATE USER 'wordpressuser'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected (0.02 sec)

mysql> GRANT ALL PRIVILEGES ON wordpress.* TO 'wordpressuser'@'localhost';
Query OK, 0 rows affected (0.00 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

mysql> exit
Bye
```

GNU nano 6.2 /var/www/html/wp-config.php

```
* @link https://wordpress.org/documentation/article/editing-wp-config-php/
*
* @package WordPress
*/

// ** Database settings - You can get this info from your web host ** //
/** The name of the database for WordPress */
define( 'DB_NAME', 'wordpress' );

/** Database username */
define( 'DB_USER', 'wordpressuser' );

/** Database password */
define( 'DB_PASSWORD', 'password' );

/** Database hostname */
define( 'DB_HOST', 'localhost' );

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

/** The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );

/**#@+
 * Authentication unique keys and salts.
 *
 * Change these to different unique phrases! You can generate these using
 * the {@link https://api.wordpress.org/secret-key/1.1/salt/ WordPress.org secret-key service}.
 *
 * You can change these at any point in time to invalidate all existing cookies.
 * This will force all users to have to log in again.
 *
 * @since 2.6.0
 */
define( 'AUTH_KEY',         'put your unique phrase here' );
```

Help Write Out Where Is Cut Execute Location M-U Undo M-A Set Mark M-] To Bracket  
Exit Read File Replace Paste Justify Go To Line M-B Redo M-C Copy M-^ Where Was

Not secure 13.59.41.200/wp-admin/install.php

Gmail YouTube IP Subnet Calculator... NACL Ports Docs overview | has... DockerHub An OSI Model for CL... OSI-CLOUD-AWS All Bookmarks

WordPress logo


English (United States)  
Afrikaans  
አማርኛ  
Aragonés  
العربية  
অসমীয়া  
Azərbaycan dili  
Беларуская мова  
Български  
বাংলা  
Bosanski  
Català  
Cebuano  
Čeština  
Cymraeg  
Dansk  
Deutsch  
Deutsch (Österreich)  
Deutsch (Sien)

Continue

21:16 07-05-2024

← → ↻ Not secure 13.59.41.200/wp-admin/install.php?step=1

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### 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.

Your Email   
Double-check your email address before continuing.


Search engine visibility ☐ Discourage search engines from indexing this site  
It is up to search engines to honor this request.

[Install WordPress](#)

Windows taskbar: 21:16 07-05-2024

← → ↻ Not secure 13.59.41.200/wp-admin/install.php?step=2

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### Success!

WordPress has been installed. Thank you, and enjoy!

Username **sachin**

Password **Your chosen password.**


[Log In](#)

Windows taskbar: 21:16 07-05-2024

hi - ep.703322@gmail.com x Deploy wordpress in an U x Google Meet x Deploy Monolithic and M x Instance details | EC2 | us x Log In - Internship - Wor x

← → ↻ Not secure 13.59.41.200/wp-login.php

Gmail YouTube IP Subnet Calculator... NACL Ports Docs overview | has... DockerHub An OSI Model for CL... OSI-CLOUD-AWS All Bookmarks



Username or Email Address

Password

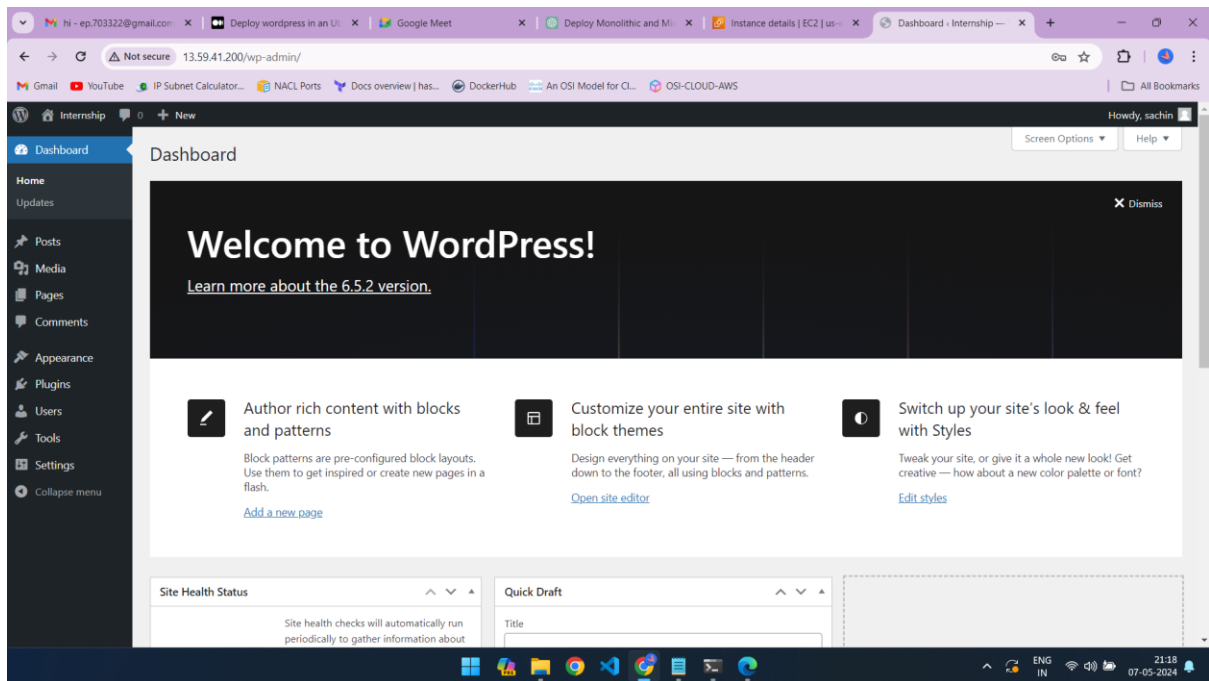
[Show](#)

☐ Remember Me [Log In](#)

[Lost your password?](#)

[Go to Internship](#)

Windows taskbar: 21:19 07-05-2024



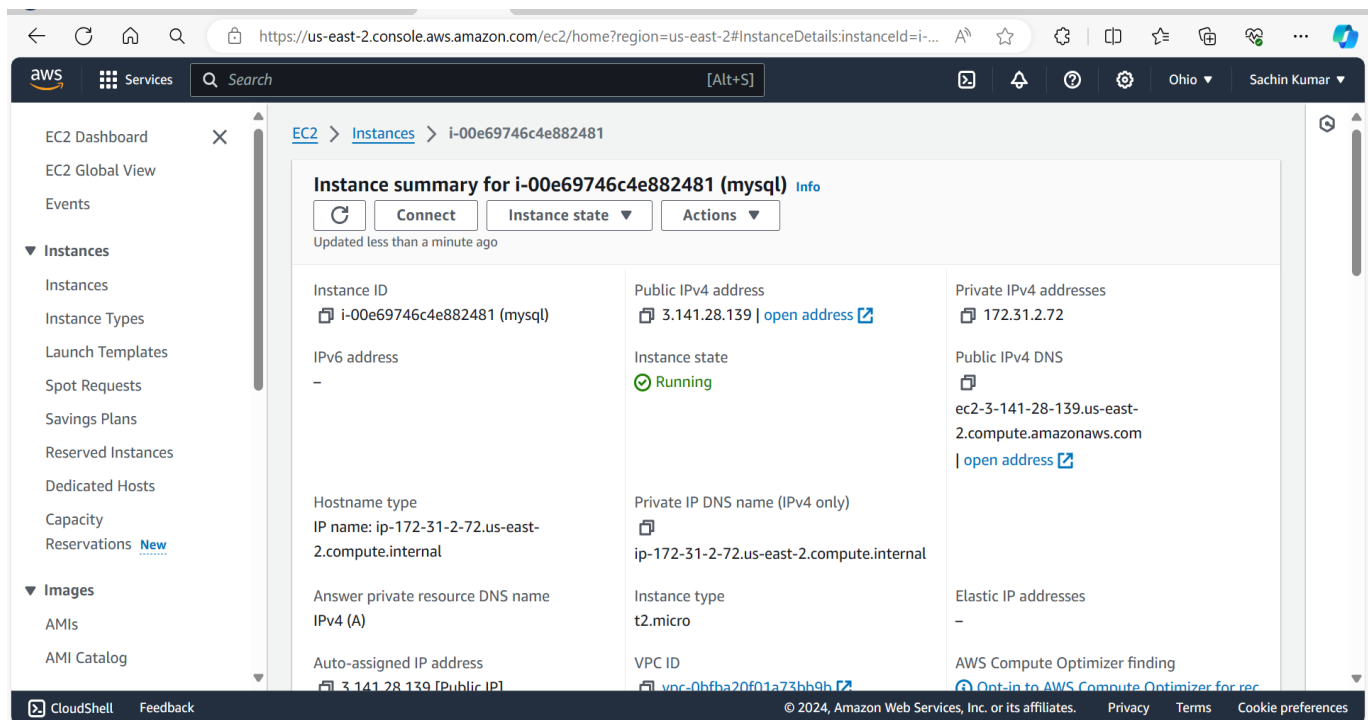
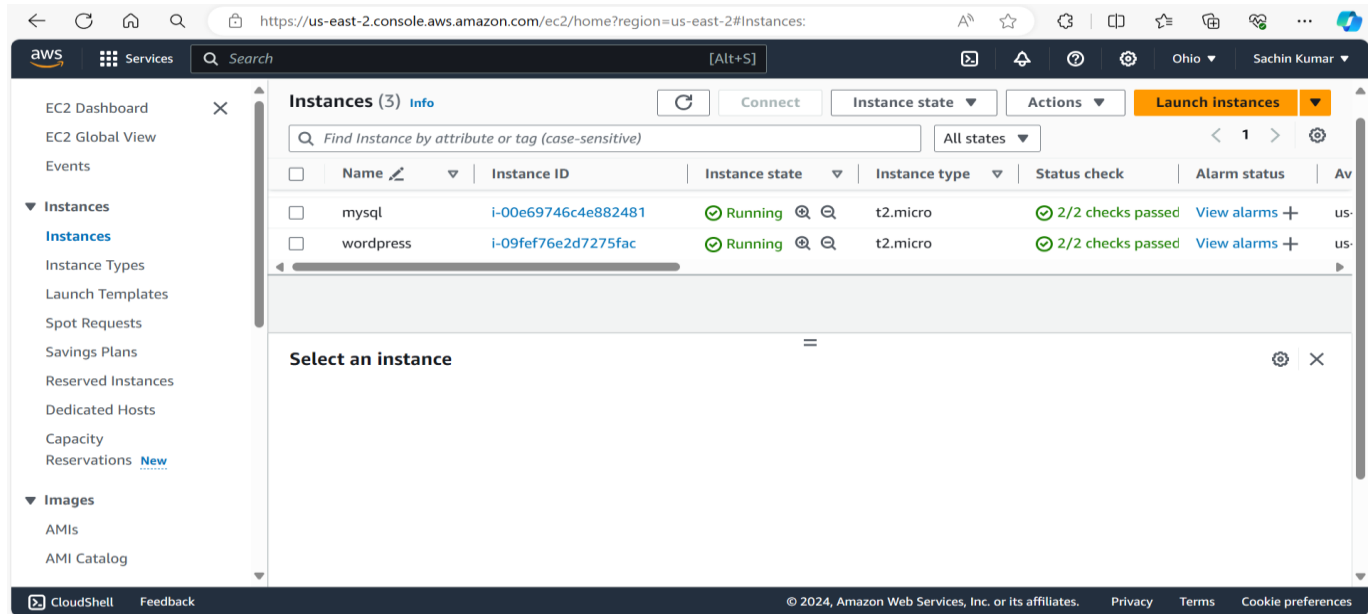
## Commands used:

1. `sudo apt update`
2. `sudo apt install apache2 mysql-server mysql-client php libapache2-mod-php php-mysql`
3. `sudo mysql_secure_installation`
4. `wget https://wordpress.org/latest.tar.gz`
5. `tar -xzf latest.tar.gz`
6. `sudo cp -r wordpress/* /var/www/html`
7. `cd /var/www/html`
8. `sudo chown -R www-data:www-data /var/www/html/`
9. `ls`
10. `sudo rm -rf index.html`
11. `cd`
12. `sudo mysql -u root -p`
13. `sudo cp /var/www/html/wp-config-sample.php /var/www/html/wp-config.php`
14. `sudo nano /var/www/html/wp-config.php`

- ❖ For microservices: 2 EC2 instances, 1 for wordpress and 1 for MYSQL.
- ❖ Configure the necessary security group for the instances. EC2 instance type: t2-micro, AMI: ubuntu-.\*.
- ❖ Create a welcome page in wordpress that will be the homepage.

## Screenshots:

<http://3.143.7.27/index.php/2024/05/07/welcome-to-my-page/>



← ↻ 🔍 [https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#InstanceDetails:instanceId=i-...](https://us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#InstanceDetails:instanceId=i-09fef76e2d7275fac) [Alt+S] Ohio Sachin Kumar

aws Services 🔍 Search

EC2 Dashboard ×  
EC2 Global View  
Events  
▼ Instances  
Instances  
Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity  
Reservations [New](#)  
▼ Images  
AMIs  
AMI Catalog

EC2 > Instances > i-09fef76e2d7275fac

### Instance summary for i-09fef76e2d7275fac (wordpress) [Info](#)

[Refresh](#) [Connect](#) [Instance state](#) [Actions](#)

Updated less than a minute ago

Instance ID i-09fef76e2d7275fac (wordpress)	Public IPv4 address 3.143.7.27   <a href="#">open address</a>	Private IPv4 addresses 172.31.11.148
IPv6 address -	Instance state <span>Running</span>	Public IPv4 DNS ec2-3-143-7-27.us-east-2.compute.amazonaws.com   <a href="#">open address</a>
Hostname type IP name: ip-172-31-11-148.us-east-2.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-11-148.us-east-2.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	
Auto-assigned IP address	VPC ID	AWS Compute Optimizer finding

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```
PowerShell x ubuntu@ip-172-31-11-148: ~ x PowerShell x + v
Status: "Server is operational"
Tasks: 39 (limit: 1121)
Memory: 355.5M
CPU: 1.126s
CGroup: /system.slice/mysql.service
└─2294 /usr/sbin/mysqld

May 07 18:37:15 ip-172-31-2-72 systemd[1]: Starting MySQL Community Server...
May 07 18:37:17 ip-172-31-2-72 systemd[1]: Started MySQL Community Server.
ubuntu@ip-172-31-2-72:~$ sudo systemctl start mysql
ubuntu@ip-172-31-2-72:~$ sudo mysql -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 10
Server version: 8.0.36-0ubuntu0.22.04.1 (Ubuntu)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

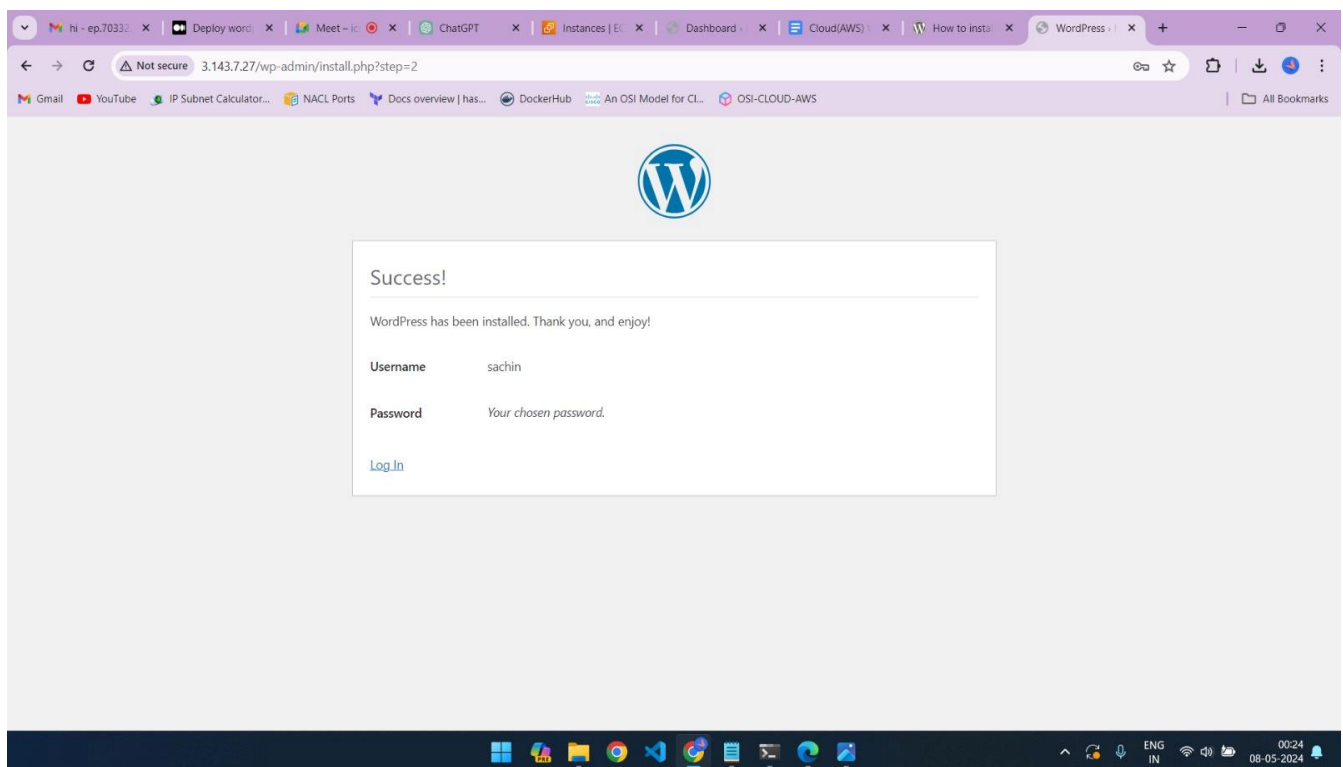
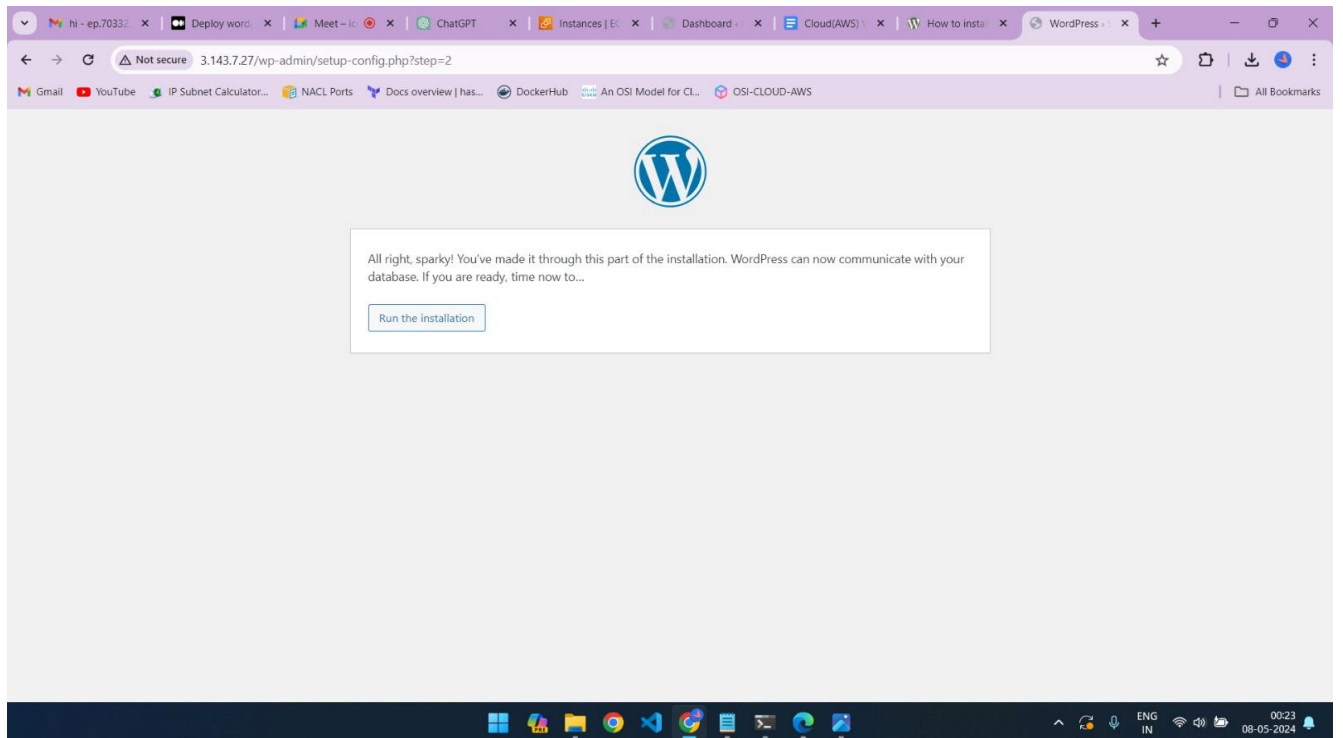
mysql> CREATE DATABASE wordpress;
Query OK, 1 row affected (0.02 sec)

mysql> CREATE USER 'wordpressuser'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected (0.04 sec)

mysql> GRANT ALL PRIVILEGES ON wordpress.* TO 'wordpressuser'@'localhost';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.01 sec)

mysql> exit
Bye
ubuntu@ip-172-31-2-72:~$ client_loop: send disconnect: Connection reset
PS C:\Users\suman\Downloads> history
```



WordPress Admin Dashboard (Posts) - 3.143.7.27/wp-admin/edit.php?post\_type=post

Howdy, sachin

1 post moved to the Trash. [Undo](#)

All (2) | Published (1) | Draft (1) | Trash (1)

Bulk actions  All dates  Search Posts

<input type="checkbox"/>	Title	Author	Categories	Tags		Date
<input type="checkbox"/>	Welcome to My page — Draft	sachin	Uncategorized	—	—	Last Modified 2024/05/07 at 7:07 pm
<input type="checkbox"/>	Hello world!	sachin	Uncategorized	—	1	Published 2024/05/07 at 6:54 pm
<input type="checkbox"/>	Title	Author	Categories	Tags		Date

Bulk actions

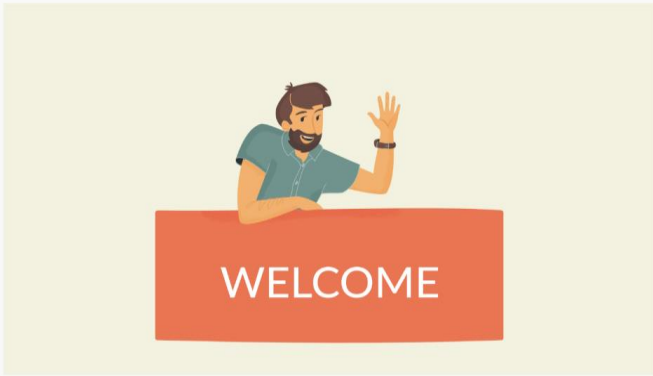
Thank you for creating with [WordPress](#).

Version 6.5.3

3.143.7.27/index.php/2024/05/07/welcome-to-my-page/

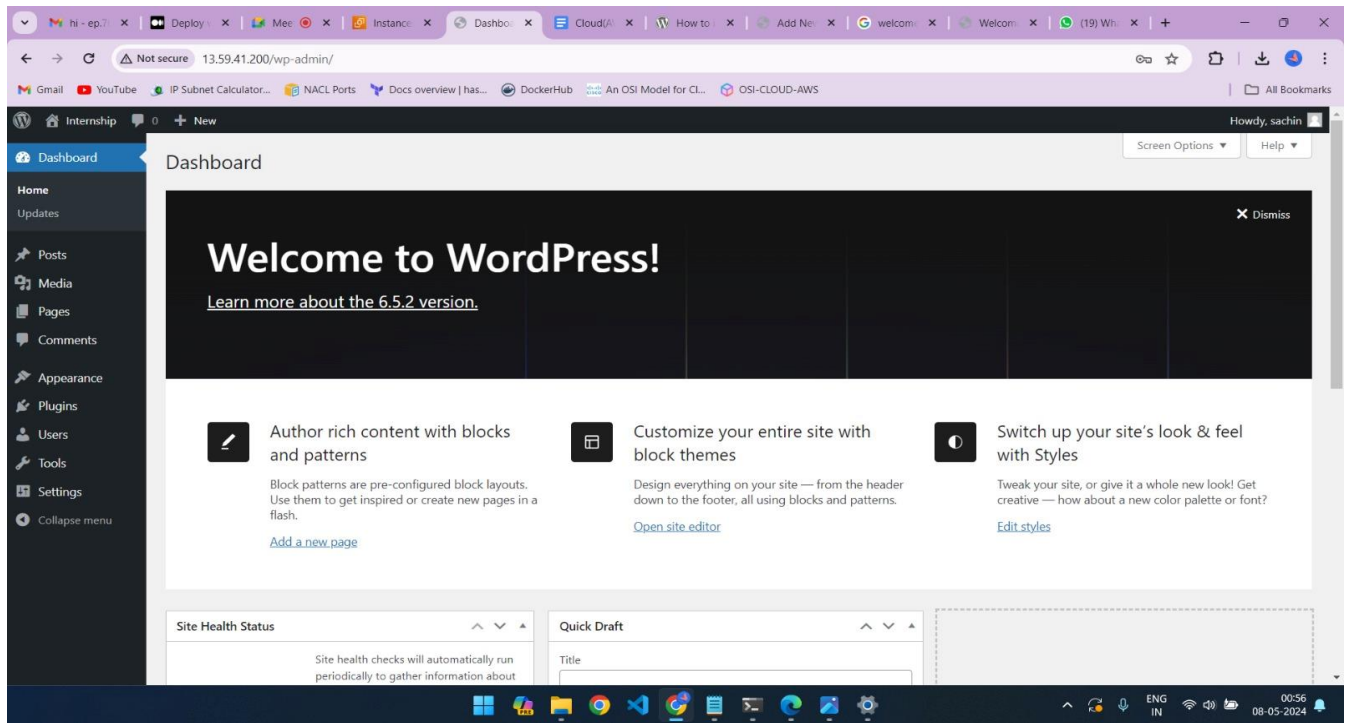
# Welcome to My Page

May 7, 2024 — by sachin in Uncategorized



This is my 1st week task.





## Commands used:

1. `sudo apt update`
2. `sudo apt install apache2 mysql-server mysql-client php libapache2-mod-php php-mysql`
3. `sudo mysql_secure_installation`
4. `wget https://wordpress.org/latest.tar.gz`
5. `tar -xzf latest.tar.gz`
6. `sudo cp -r wordpress/* /var/www/html`
7. `cd /var/www/html`
8. `sudo chown -R www-data:www-data /var/www/html/`
9. `ls`
10. `sudo rm -rf index.html`
11. `cd`
12. `sudo mysql -u root -p`

13. `sudo cp /var/www/html/wp-config-sample.php  
/var/www/html/wp-config.php`
14. `sudo nano /var/www/html/wp-config.php`