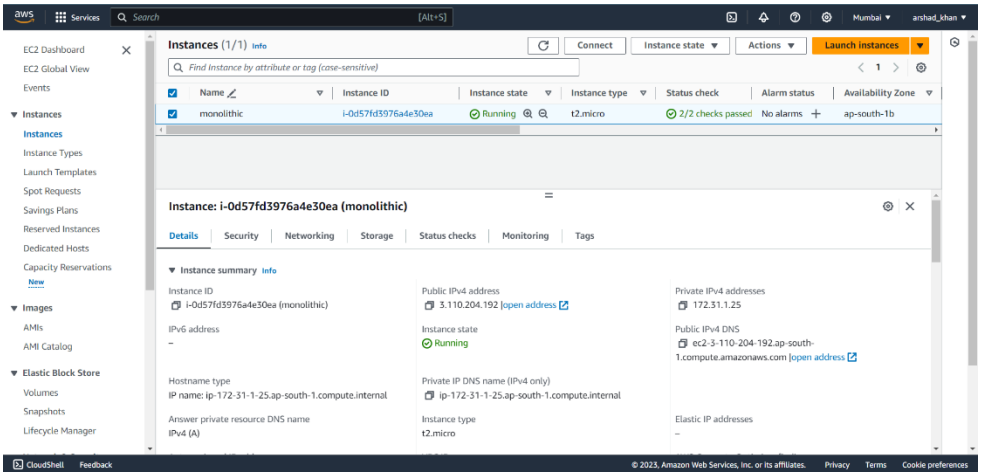
Step to setup wordpress and mysql by monolithic architecture

Creating Instances for Wordpress As well AS MySQL

- Choose an AMI in the classic instance: I chose the ubuntu
- Instance details: Select the Instance Type you want to use. Here I am using t2.micro.
- Create a security group In the security group settings, create a new security group or use an existing one. Configure inbound rules to allow HTTP (port 80) and HTTPS (port 443) traffic to your EC2 instance. Additionally, configure inbound rules to allow MySQL traffic (port 3306)
- Create a new key or choose already existing key (If any)
- Launch your instance.



Setting Up MySQL first:

Step-1: ssh login to ec2

Step-2: Switch to root user

Sudo su – root

Step-3: Install mysql-server

Your WordPress installation needs to store information, such as blog posts and user comments, in a database. This procedure helps you create your blog's database and a user that is authorized to read and save information to it. To install it.

apt install mysql-server

Step-4: Secure Database server

Run mysql_secure_installation to secure the database using following command:

mysql_secure_installation

When prompted, type a password for the root account.

1. Type Y to set a password, and type a secure password twice.
2. Type Y to remove the anonymous user accounts.
3. Type N to enable the remote root login.
4. Type Y to remove the test database.
5. Type Y to reload the privilege tables and save your changes.

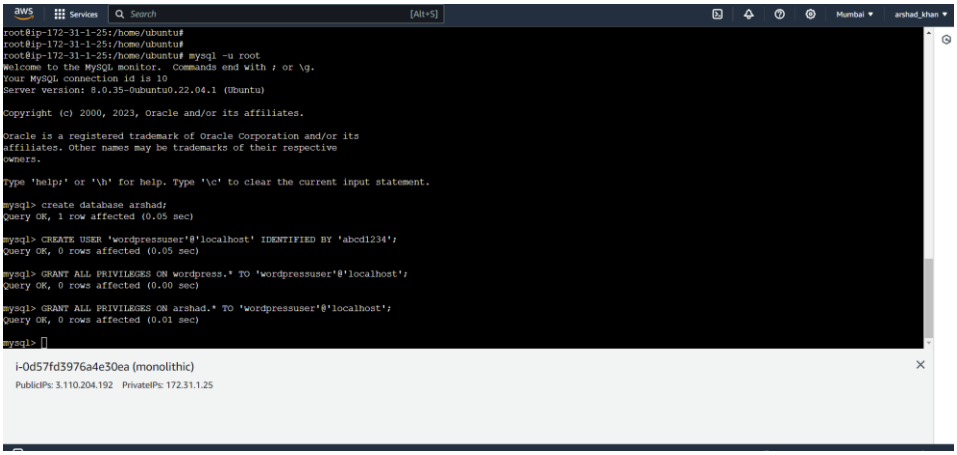
Step-6: Create an User and Database for Wordpress

#login to mysql first
>> mysql -u root
>> CREATE USER 'wordpressuser'@'localhost' IDENTIFIED BY 'abcd1234';

Note: "abcd1234" is a password I set for 'wordpressuser'. You can set your own.

>> CREATE DATABASE `arshad`;
>> GRANT ALL PRIVILEGES ON *.* TO 'arshad@'localhost' IDENTIFIED BY 'abcd1234' WITH GRANT OPTION;
>> FLUSH PRIVILEGES;

The above three commands will create a database with name arshad and will grant the privileges for database to 'wordpressuser' even if we login remotely.



Setting Up Wordpress:

Step-1: Download and Extract wordpress package:

Download the latest WordPress installation package with the wget command and Unzip and unarchive the installation package. The installation folder is unzipped to a folder called wordpress.

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

Step-2: Install Apache server and Php:

Apt install apache2

Check if apache service is running or not by public ip of ec2

Now install php by below command

Apt install php php-mysql php-gd php-cli php-common –y

Step-2: Copy website files to /var/www/html:

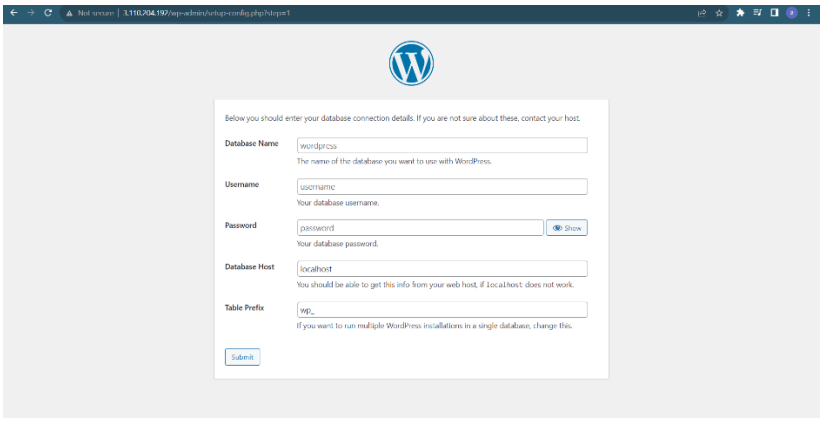
Run below command for copy wordpress to apache server location

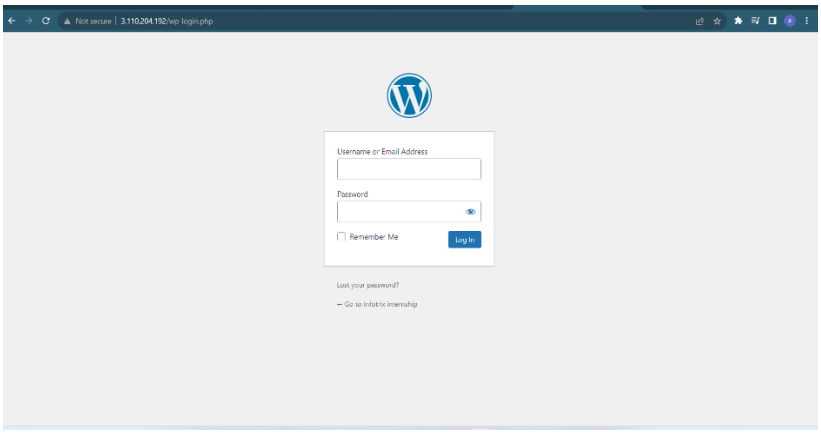
cp -r wordpress/* /var/www/html/

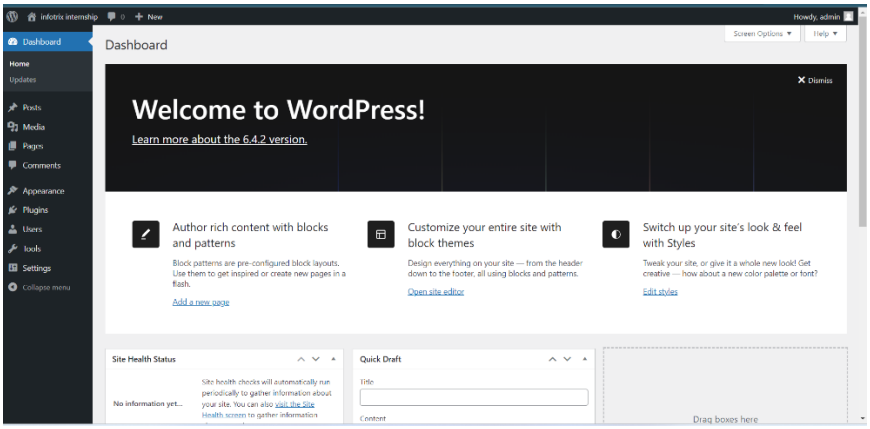
Run below command to remove index.html file

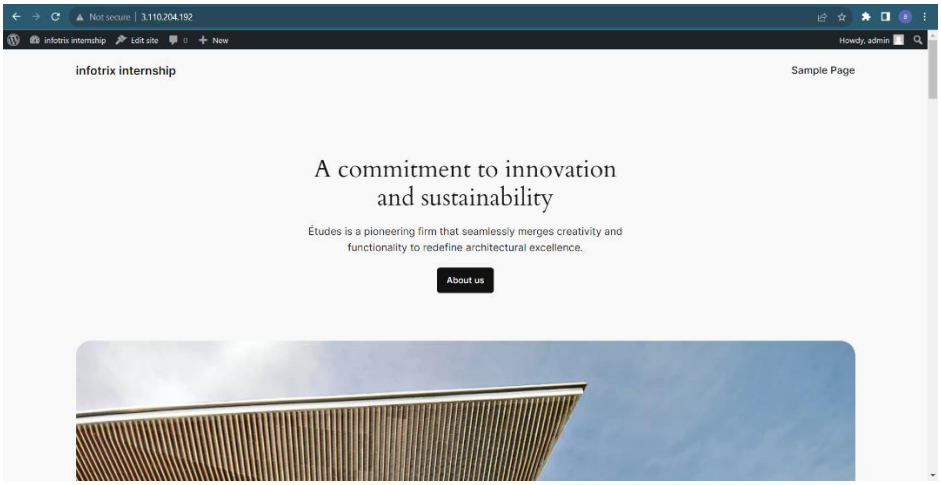
rm –rf index.html

Step-7 Fill the details of database and logging





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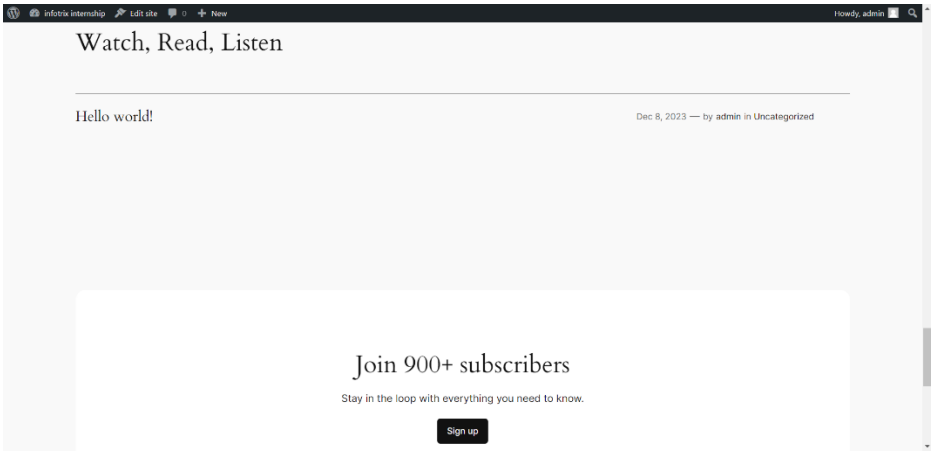
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