

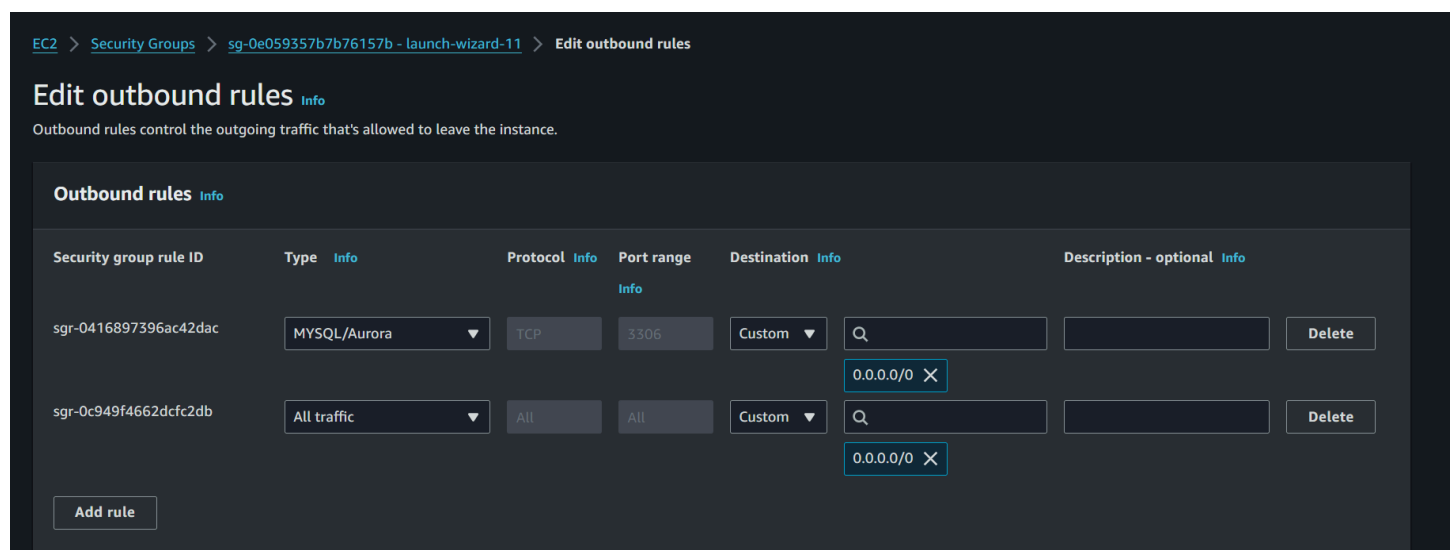
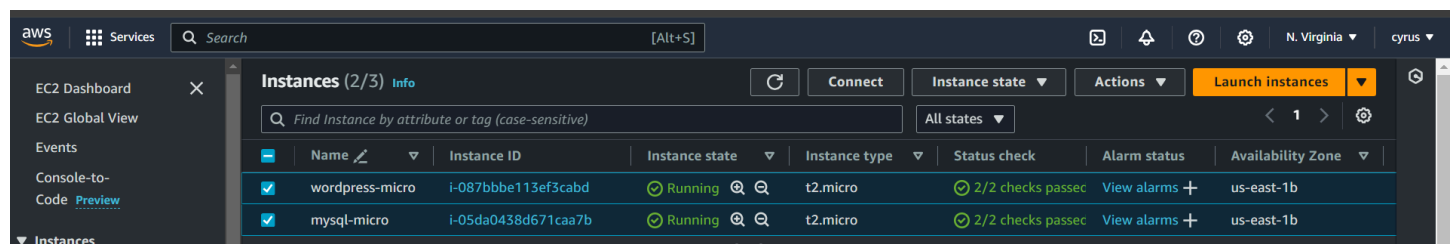
Techplement Week 1

Tasks

- Task 2nd - Deploy Services in Microservice Architecture.

In this 2 EC2 Instances are used for deploying WordPress and MySQL on different instance.

Following are the steps:



Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
sgr-016469b3997fba38c	MySQL/Aurora ▼	TCP	3306	Custom ▼	<div>Q</div> <div>0.0.0.0/0 ✕</div>	<div></div> <div>Delete</div>
sgr-05c0fe4de2bbadd5	SSH ▼	TCP	22	Custom ▼	<div>Q</div> <div>0.0.0.0/0 ✕</div>	<div></div> <div>Delete</div>
sgr-05c858c9f9d2ef432	HTTPS ▼	TCP	443	Custom ▼	<div>Q</div> <div>0.0.0.0/0 ✕</div>	<div></div> <div>Delete</div>
sgr-069ee9f38f9b57771	HTTP ▼	TCP	80	Custom ▼	<div>Q</div> <div>0.0.0.0/0 ✕</div>	<div></div> <div>Delete</div>

```
ubuntu@ip-172-31-45-190:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
```

i-05da0438d671caa7b (mysql-micro)

PublicIPs: 34.230.26.111 PrivateIPs: 172.31.45.190

```
ubuntu@ip-172-31-45-190:~$ sudo apt install mysql-server -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
```

i-05da0438d671caa7b (mysql-micro)

PublicIPs: 34.230.26.111 PrivateIPs: 172.31.45.190

```
ubuntu@ip-172-31-45-190:~$ sudo vim /etc/mysql/mysql.conf.d/mysqld.cnf
ubuntu@ip-172-31-45-190:~$ sudo systemctl restart mysql
ubuntu@ip-172-31-45-190:~$ sudo mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
```

i-05da0438d671caa7b (mysql-micro)

PublicIPs: 34.230.26.111 PrivateIPs: 172.31.45.190

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Cyrus@07';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds
to 'Cyrus@07' at line 1
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'Cyrus@07';
Query OK, 0 rows affected (0.01 sec)

mysql> CREATE USER 'wp_user'@54.152.229.59 IDENTIFIED BY 'Cyrus@07';
Query OK, 0 rows affected (0.03 sec)

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

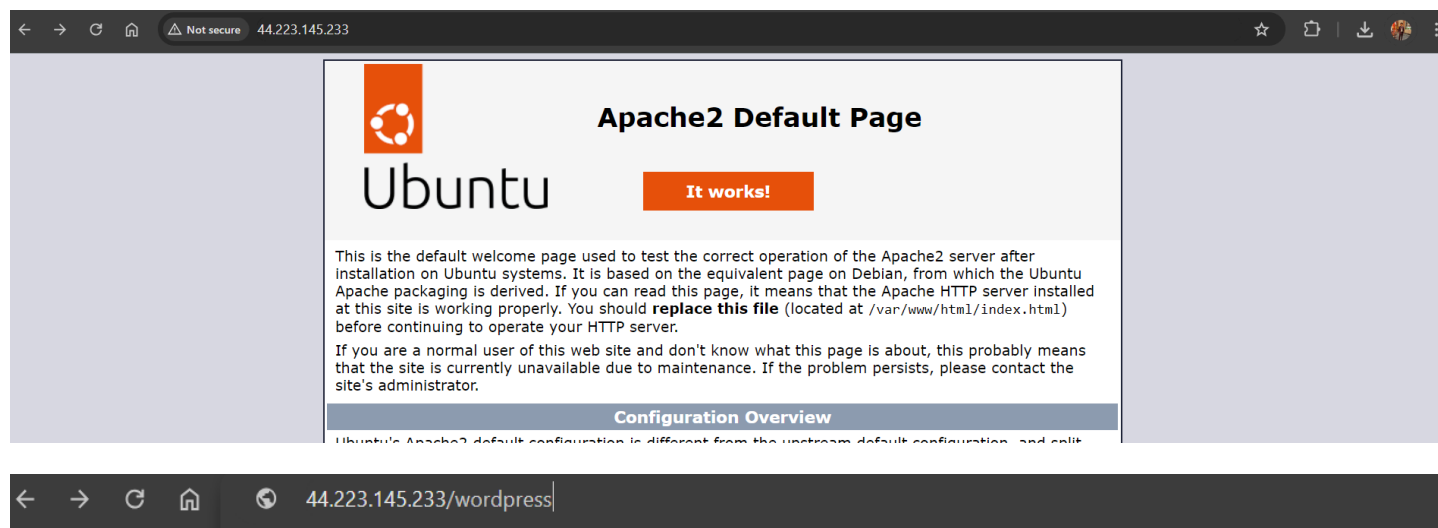
mysql> GRANT ALL PRIVILEGES ON wp.* TO 'wp_user'@54.152.229.59;
Query OK, 0 rows affected (0.01 sec)

mysql> exit;
Bye
```

```
ubuntu@ip-172-31-36-105:/var/www/html/wordpress$ history
 1  sudo apt update
 2  sudo apt install apache2
 3  sudo apt install php libapache2-mod-php php-mysql -y
 4  mysql -u wp_user -p -h 34.230.26.111
 5  sudo apt install mysql-client-core-8.0 -y
 6  mysql -u wp_user -p -h 34.230.26.111
 7  cd /tmp
 8  wget https://wordpress.org/latest.zip
 9  sudo apt install unzip
10  unzip latest.zip
11  sudo mv wordpress/ /var/www/html/
12  cd /var/www/html/wordpress/
13  sudo vim wp-config.php
```

i-087bbbe113ef3cabd (wordpress-micro)

PublicIPs: 54.152.229.59 PrivateIPs: 172.31.36.105



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