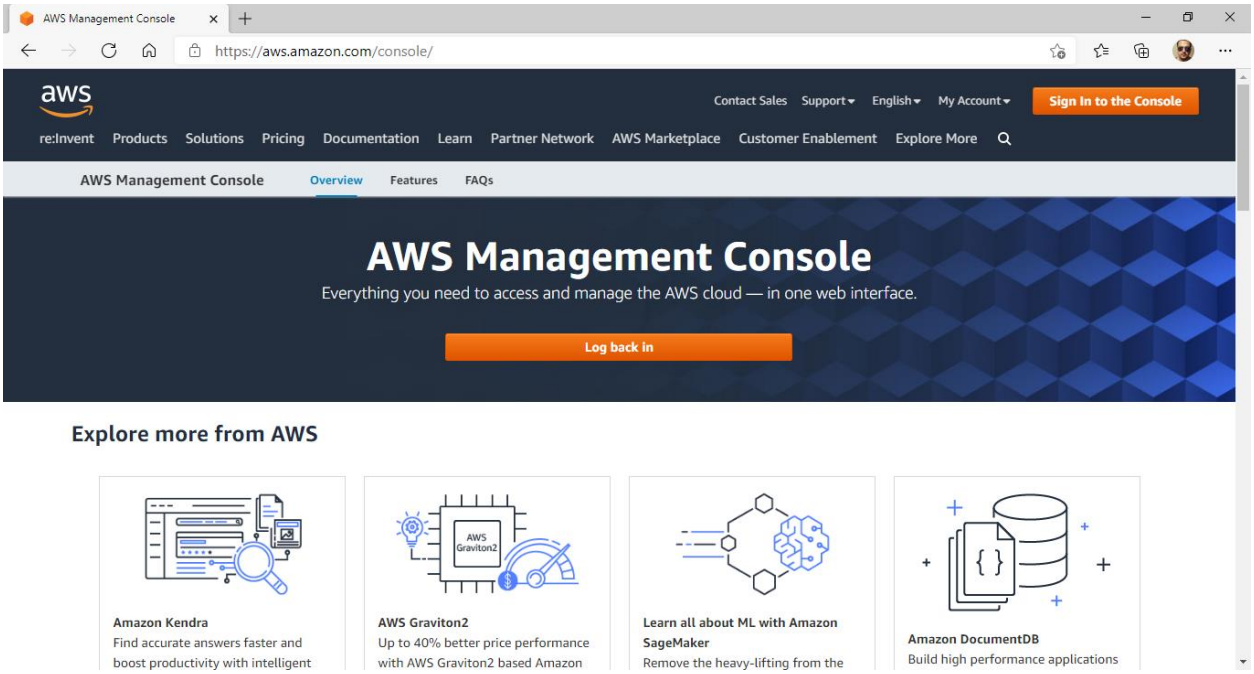
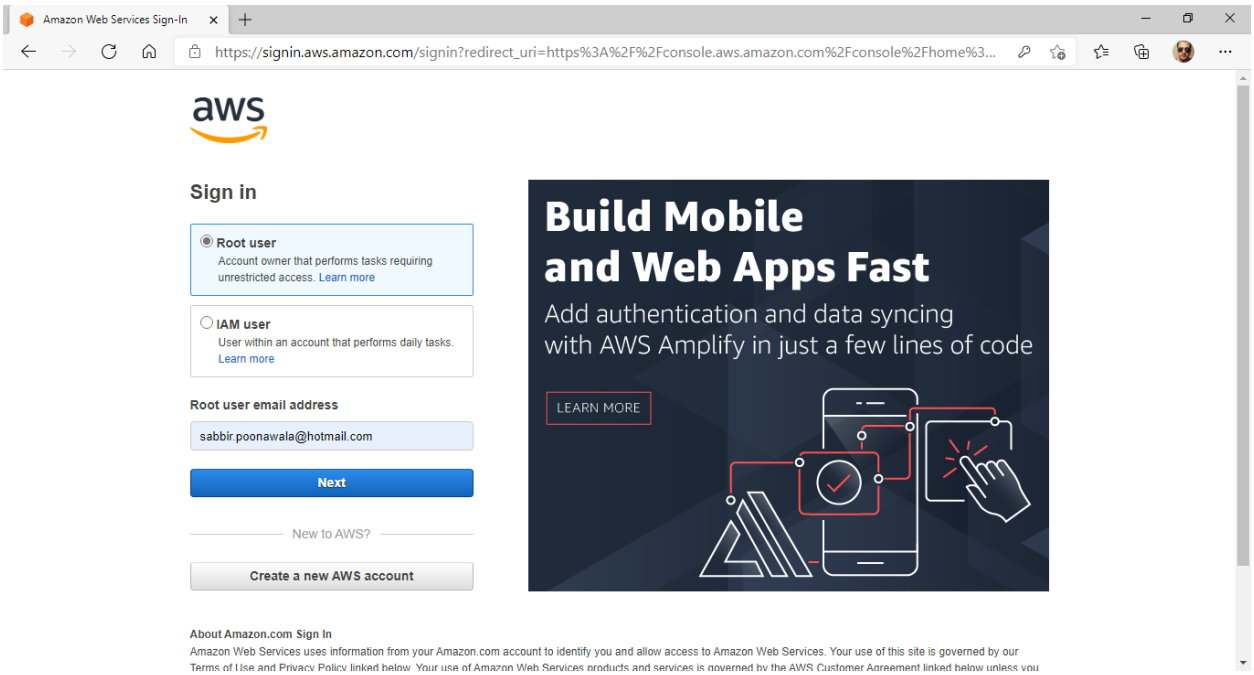
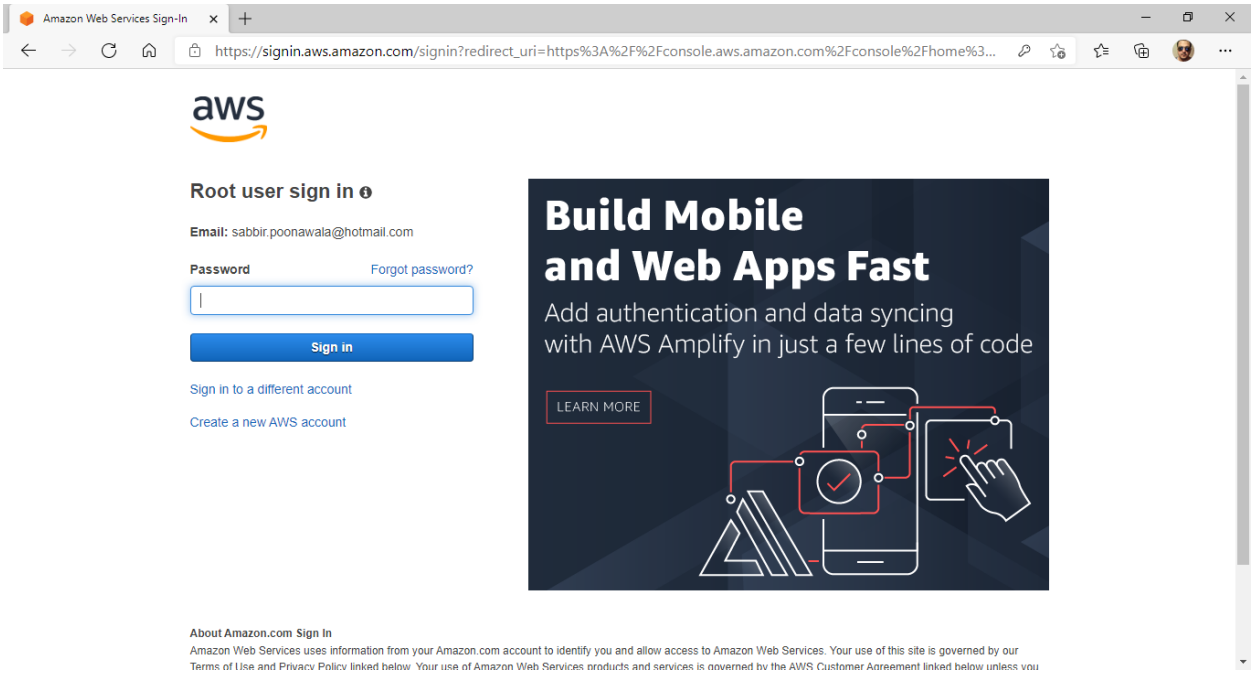
Steps to Install MySQL on Amazon Linux EC2

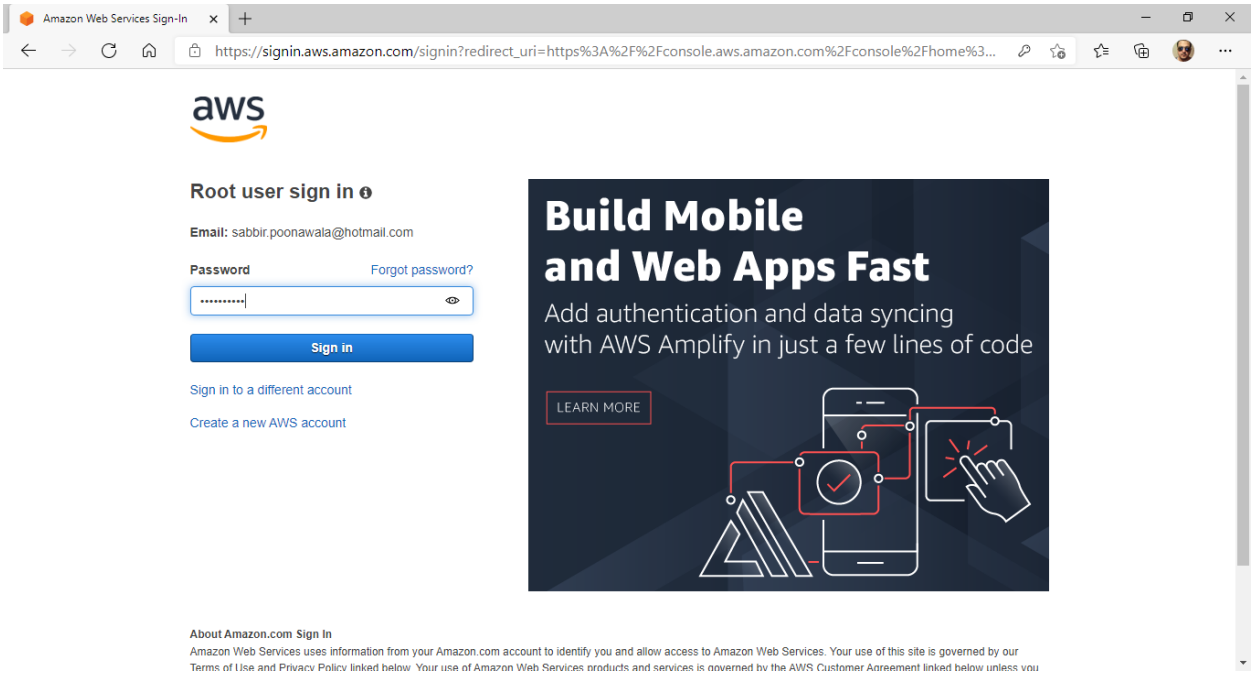
Step 1: Go to AWS Management Console (amazon.com)



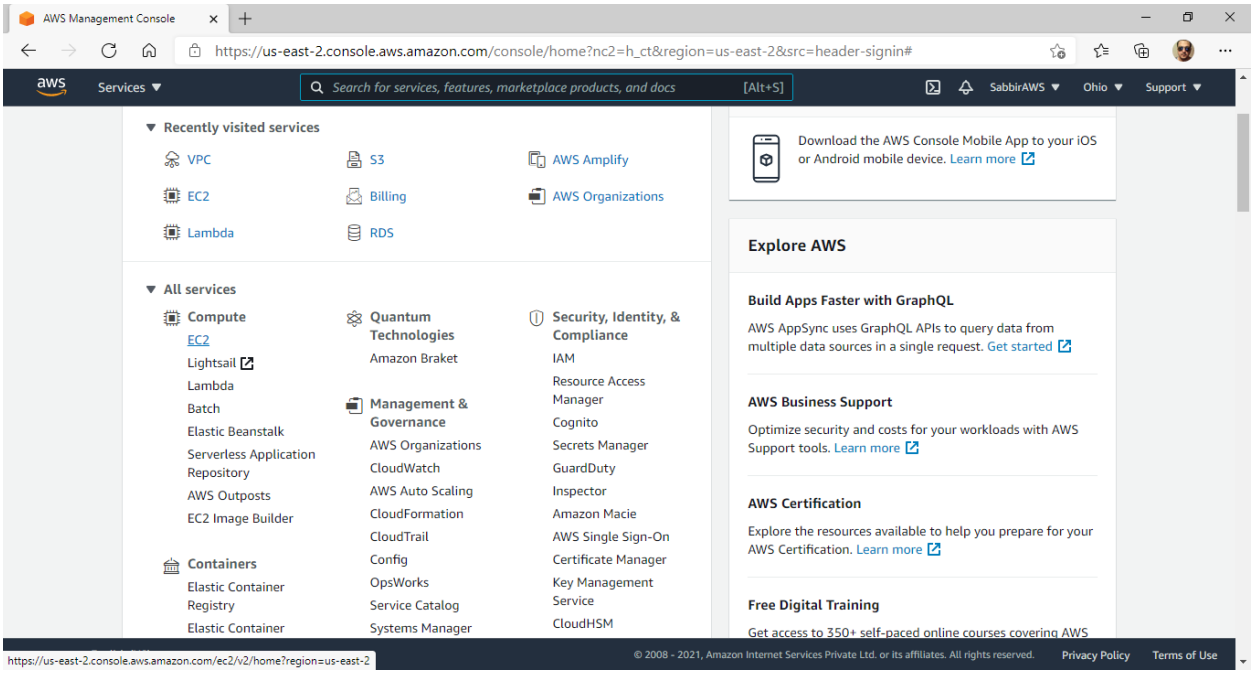
Step 2: Provide credentials


Amazon Web Services Sign-In
https://signin.aws.amazon.com/signin?redirect_uri=https%3A%2F%2Fconsole.aws.amazon.com%2Fconsole%2Fhome%3...
aws
Sign in
Root user
Account owner that performs tasks requiring unrestricted access. Learn more
IAM user
User within an account that performs daily tasks. Learn more
Root user email address
sabbir.poonawala@hotmail.com
Next
New to AWS?
Create a new AWS account
Build Mobile and Web Apps Fast
Add authentication and data syncing with AWS Amplify in just a few lines of code
LEARN MORE
About Amazon.com Sign In
Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our

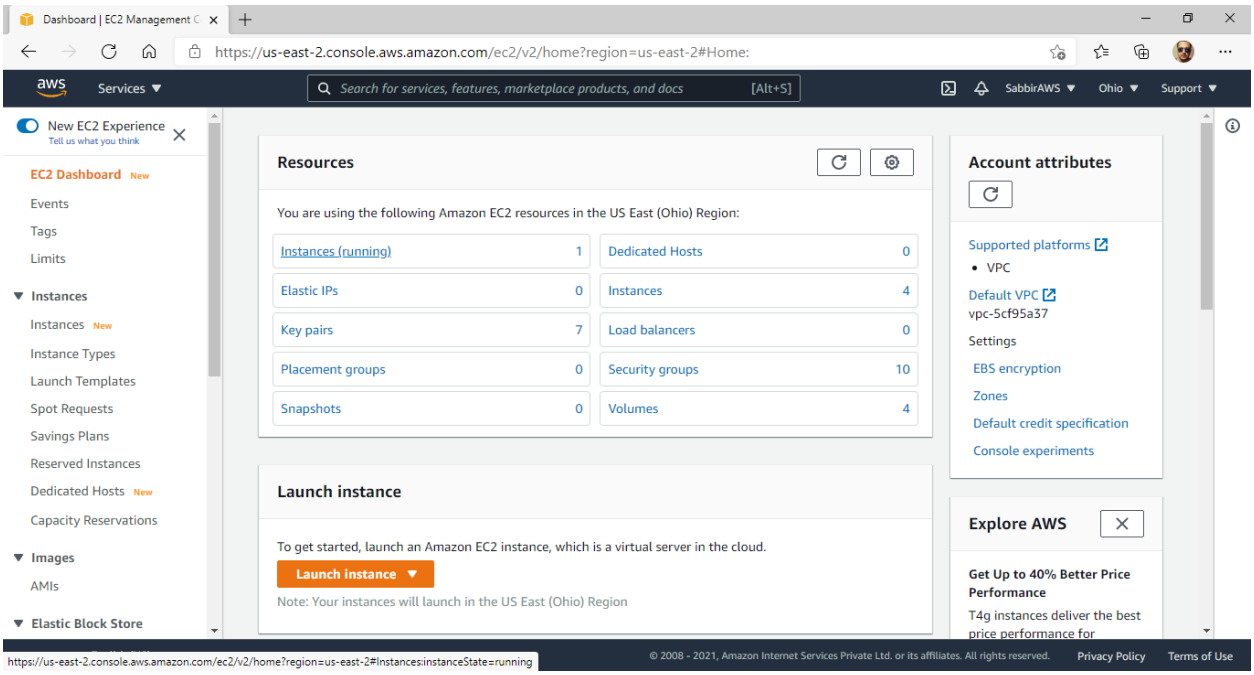

Amazon Web Services Sign-In
https://signin.aws.amazon.com/signin?redirect_uri=https%3A%2F%2Fconsole.aws.amazon.com%2Fconsole%2Fhome%3...
aws
Root user sign in
Email: sabbir.poonawala@hotmail.com
Password
Forgot password?
Sign in
Sign in to a different account
Create a new AWS account
Build Mobile and Web Apps Fast
Add authentication and data syncing with AWS Amplify in just a few lines of code
LEARN MORE
About Amazon.com Sign In
Amazon Web Services uses information from your Amazon.com account to identify you and allow access to Amazon Web Services. Your use of this site is governed by our



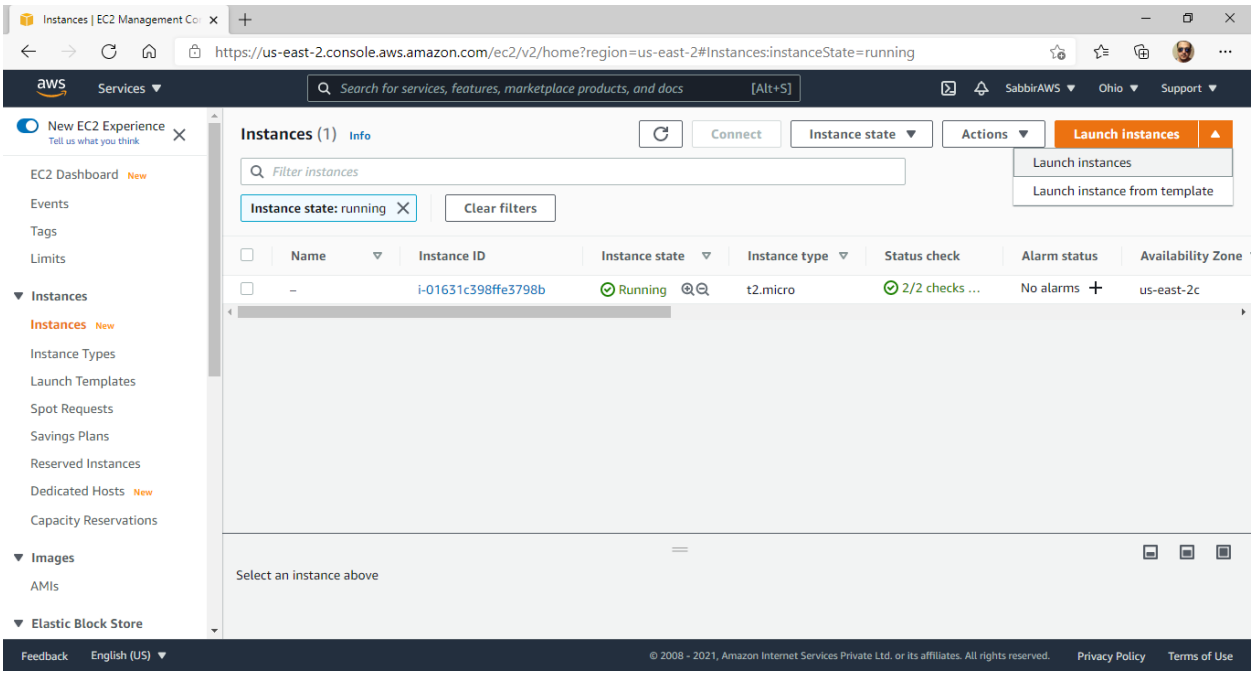
Step 3: In all services click on EC2



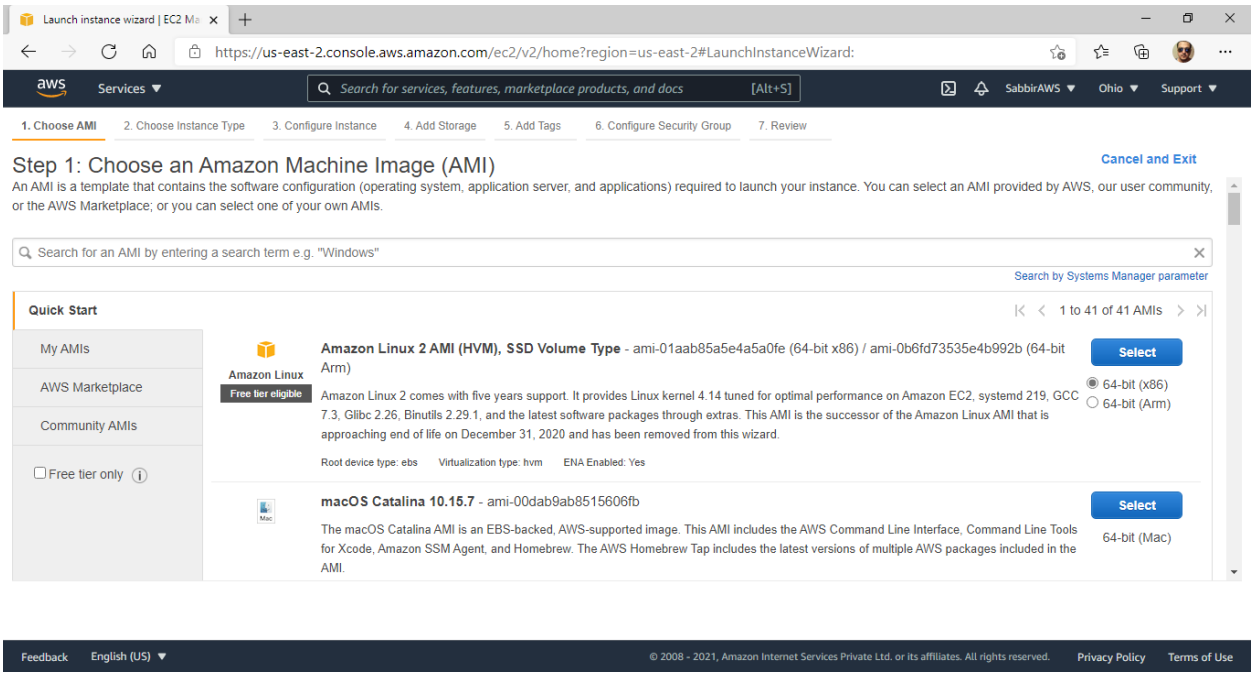
Step 4: In resources click on Instances(Running) or Launch Instance button



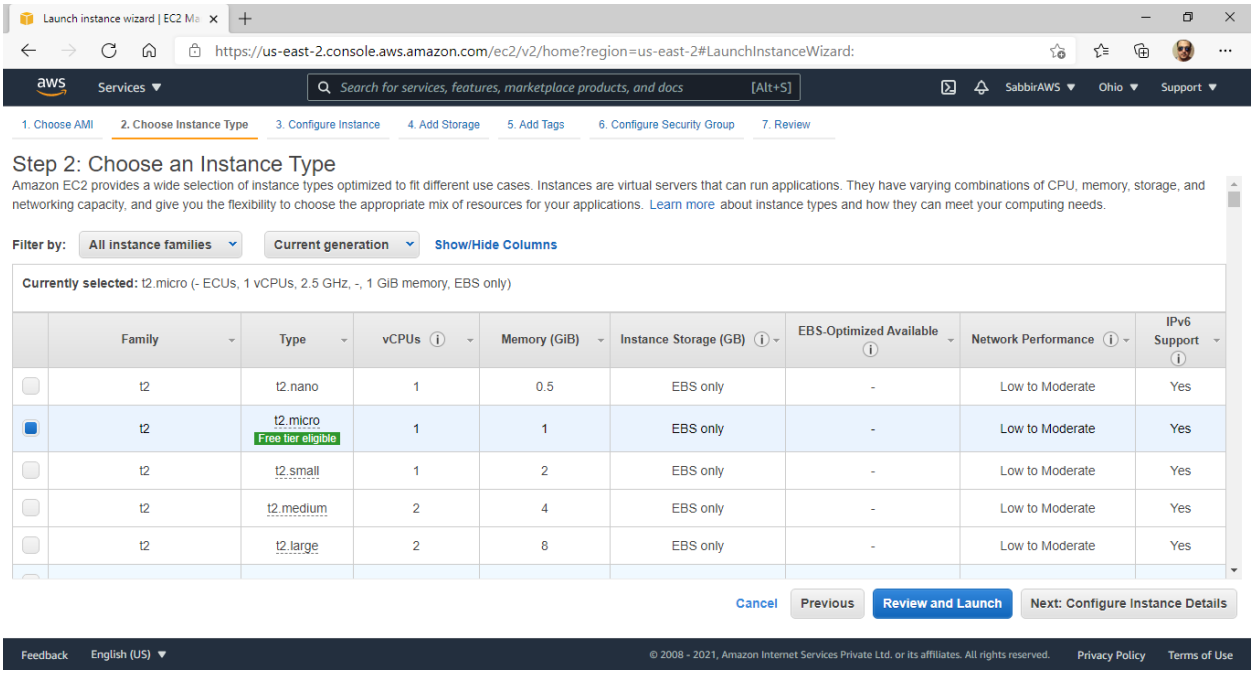
Step 5: On Launch instances button options select Launch Instances



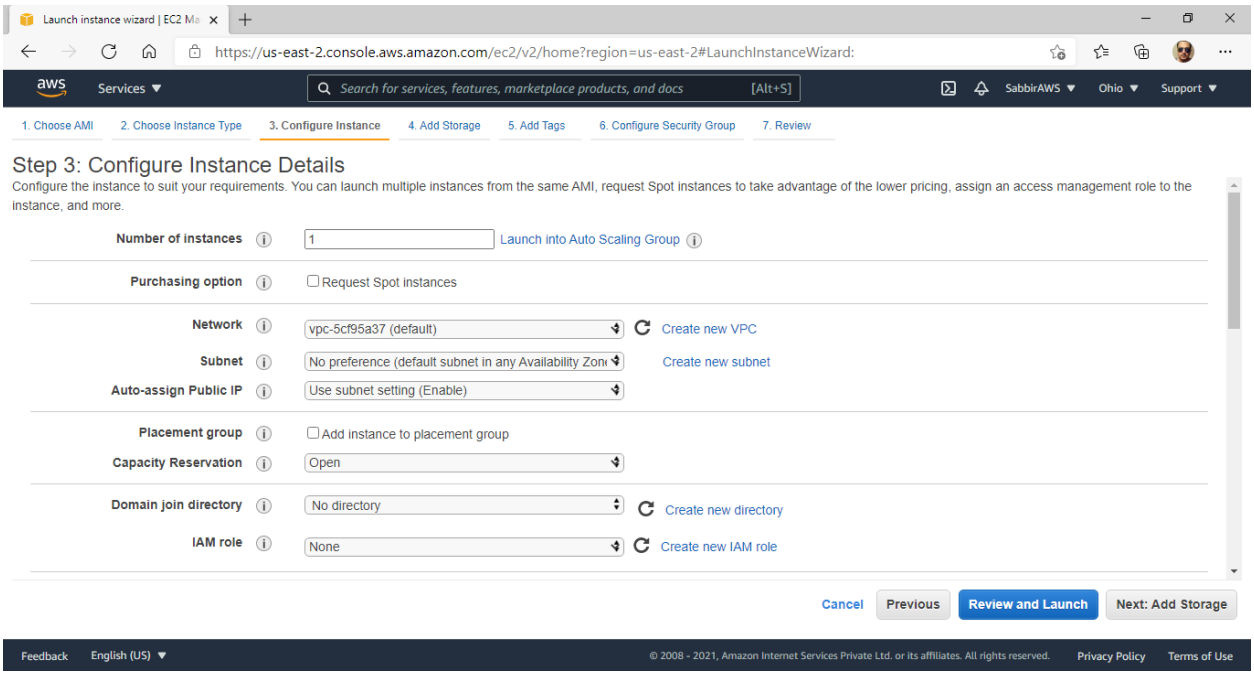
Step 6: Make sure to select Amazon Linux 2 AMI (Free tier eligible)



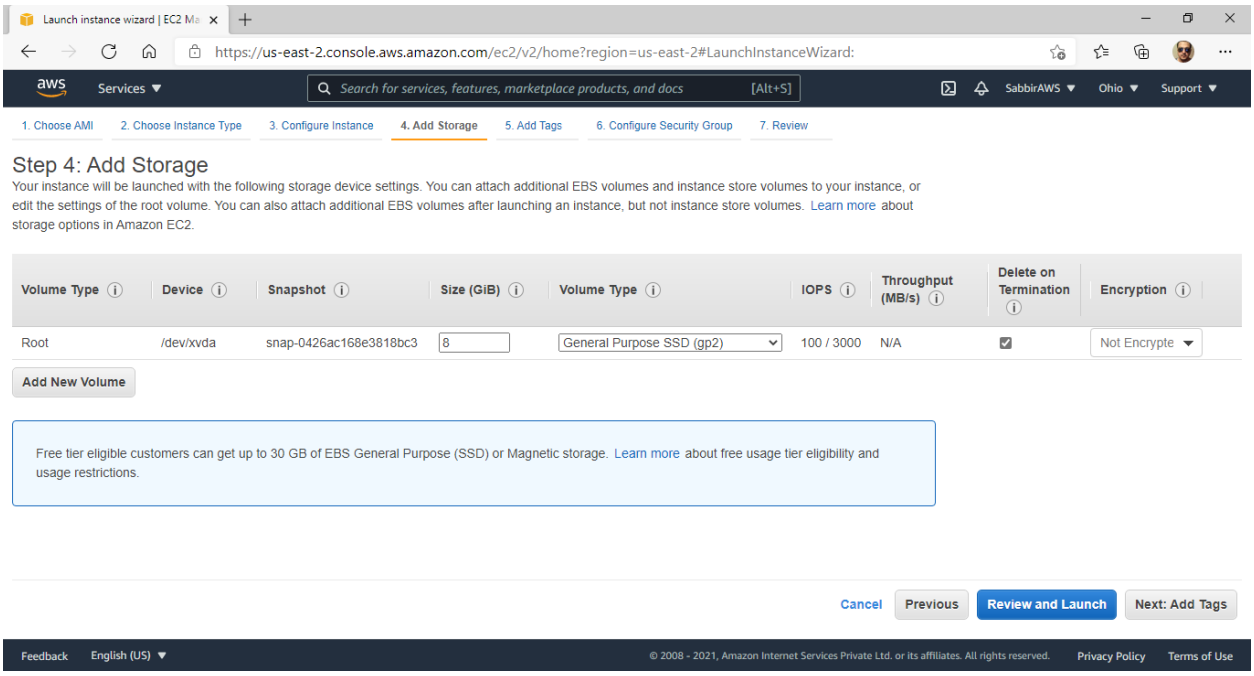
Step 7: Choose instance type (Keep default selected), Click on Next Configure instance details



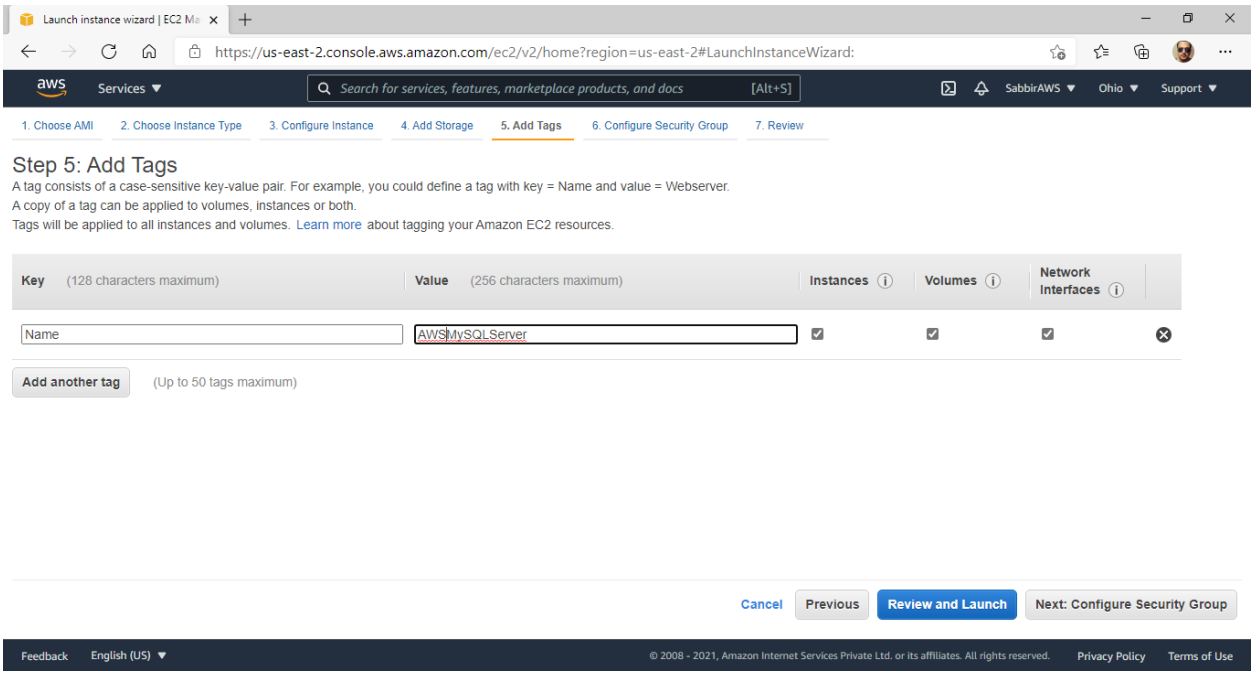
Step 8: Click on Next Add Storage keeping all details as default



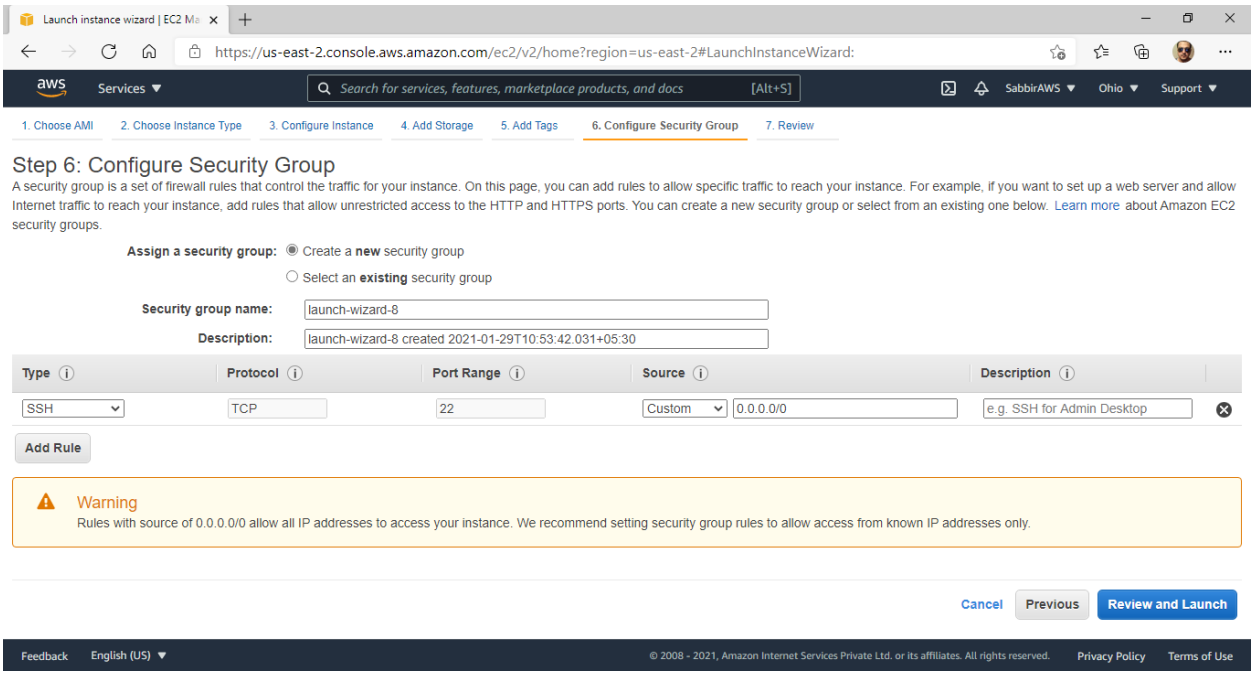
Step 8: Click on Next Add Tags keeping all details as default(unless required)



Step 8: Add key as “Name” and value as “AWSMySQLServer” and click on Next Configure Security group

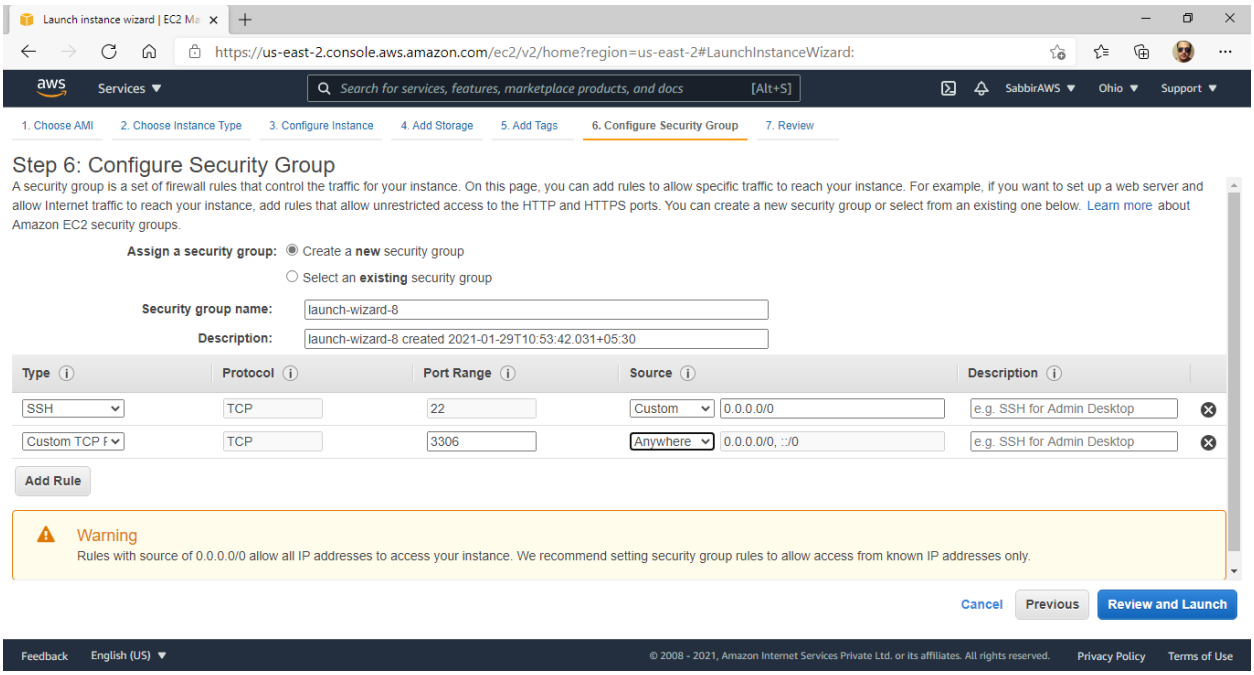


Step 9: Click on Add Rule

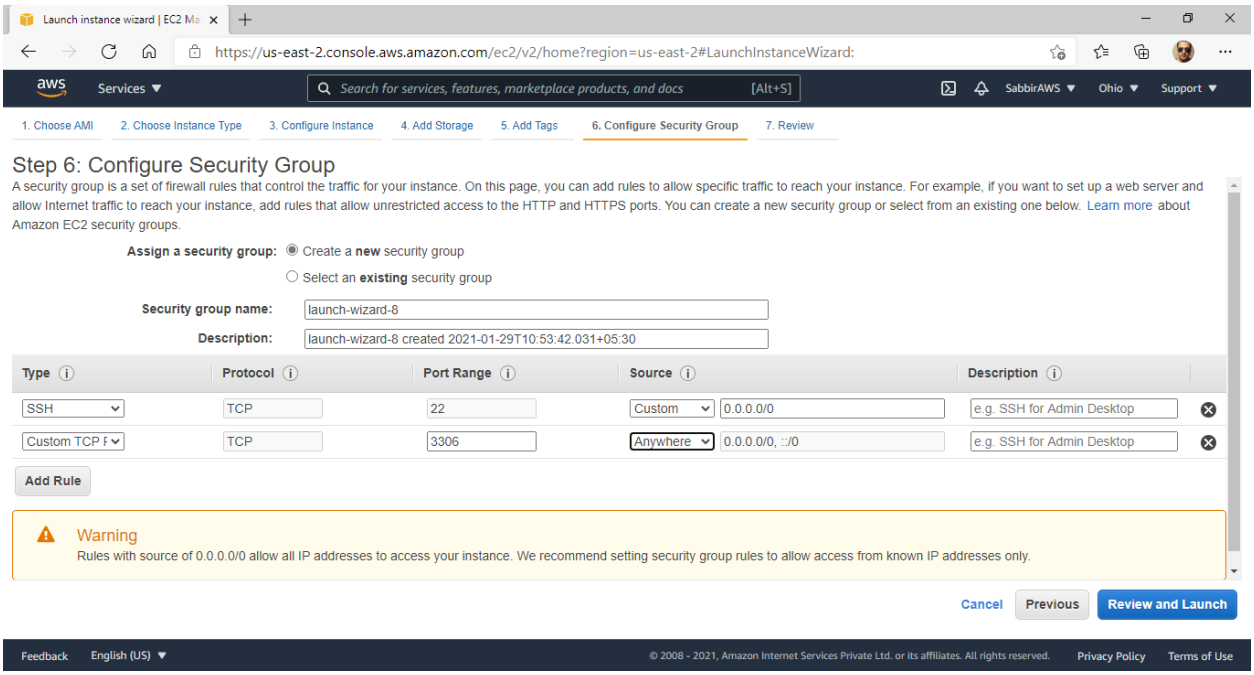


Step 9: From Type drop down box select “Custom TCP”, Port Range as “3306”

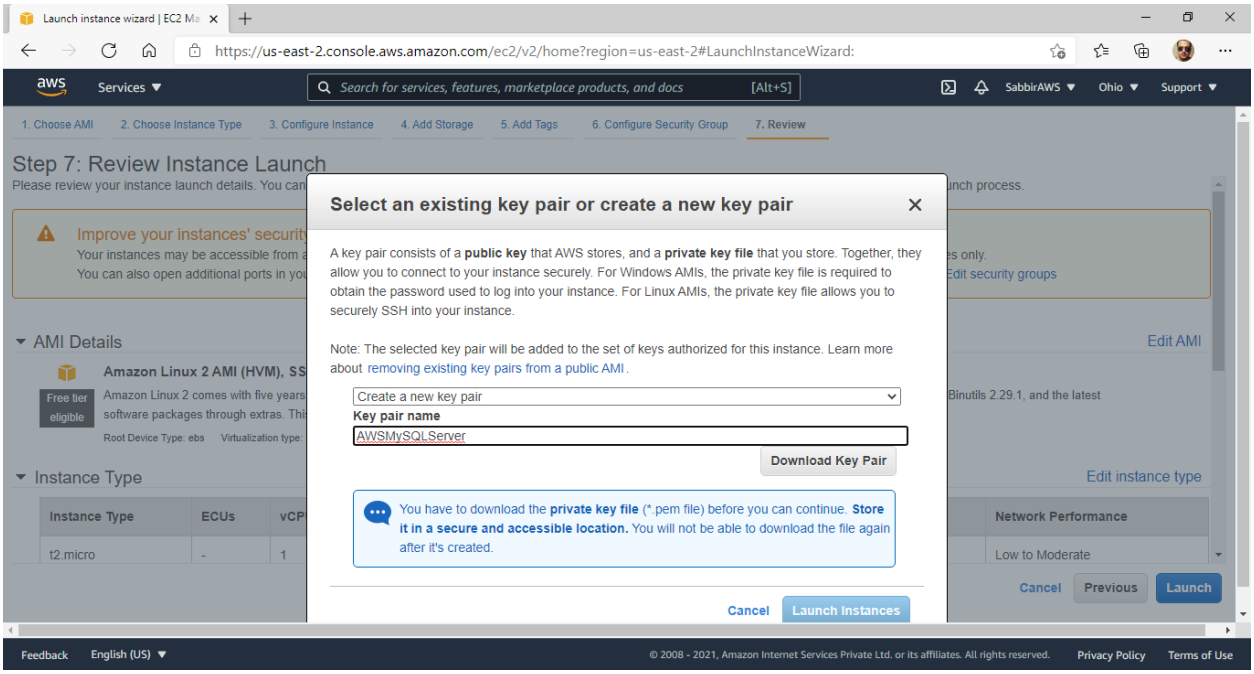
Source as “Anywhere” and description as “Access to MySQL Port”



Step 10: Click on Review and Launch

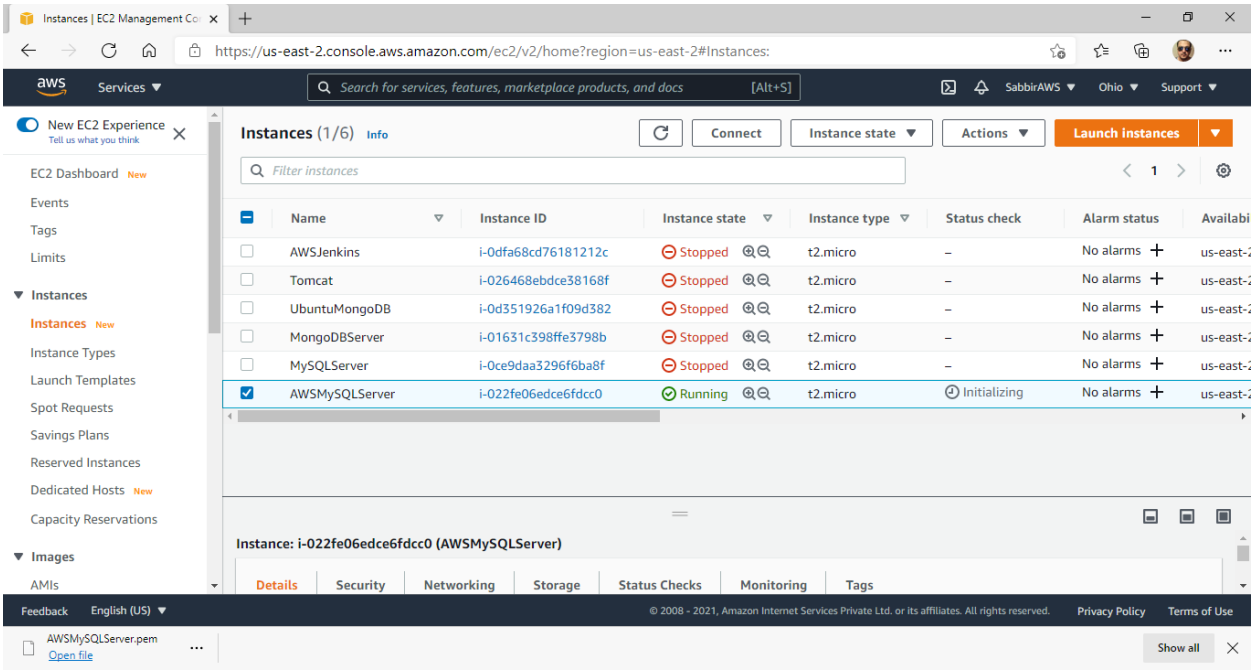


Step 11: From drop down box select “Create a new key pair” and give key pair name as “AWSMySQLServer” and click on download key pair on desktop(This file will be required later)

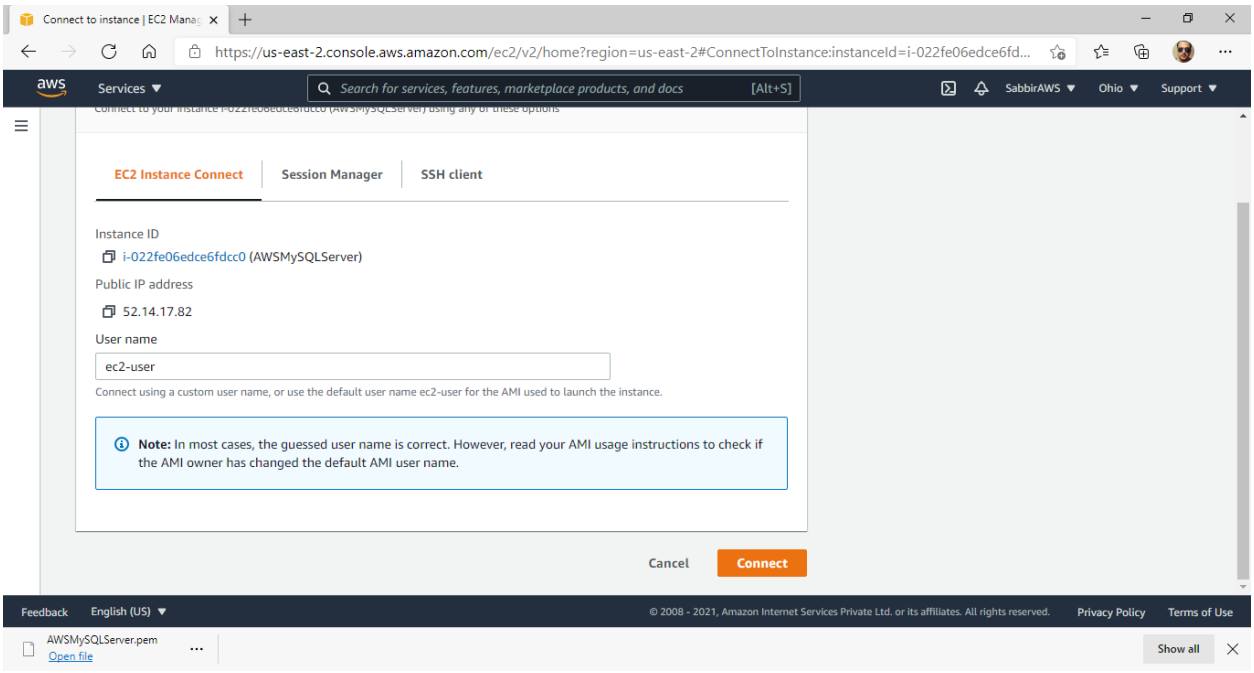


And Click on Launch Instance

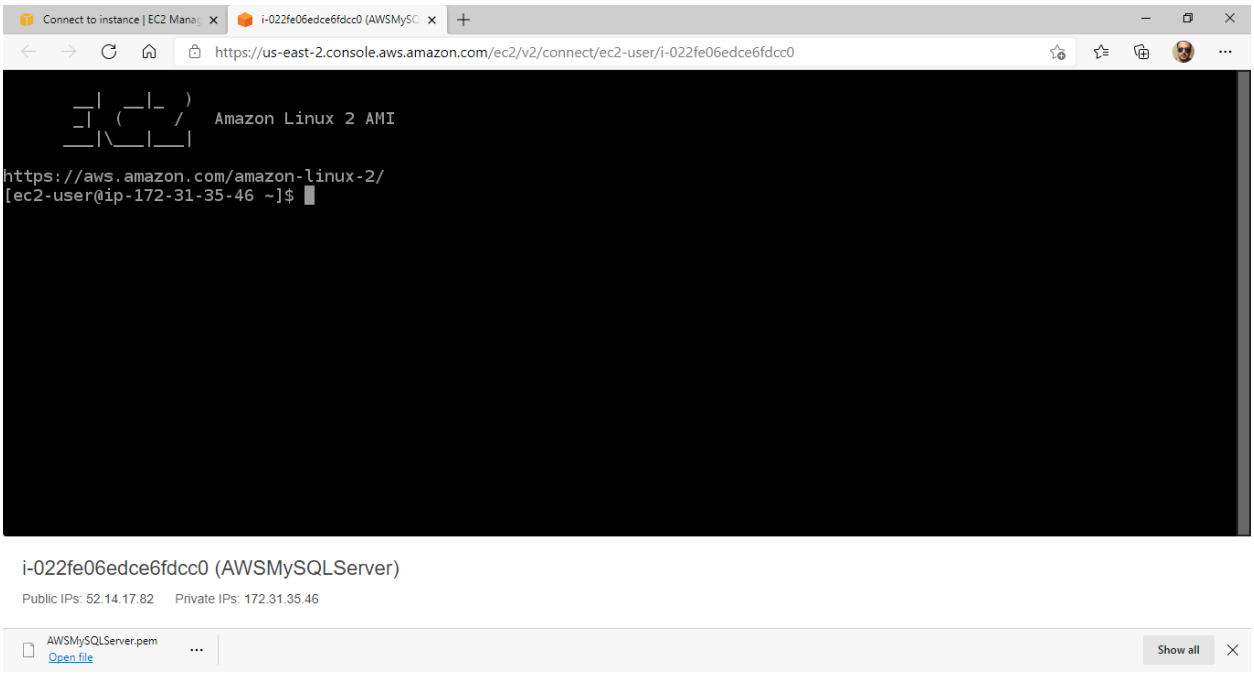
Step 12: We will use AWS CLI (Another option is to connect using putty) Select checkbox for instance AWSMySQLServer and click on connect



Step 13: Click on connect

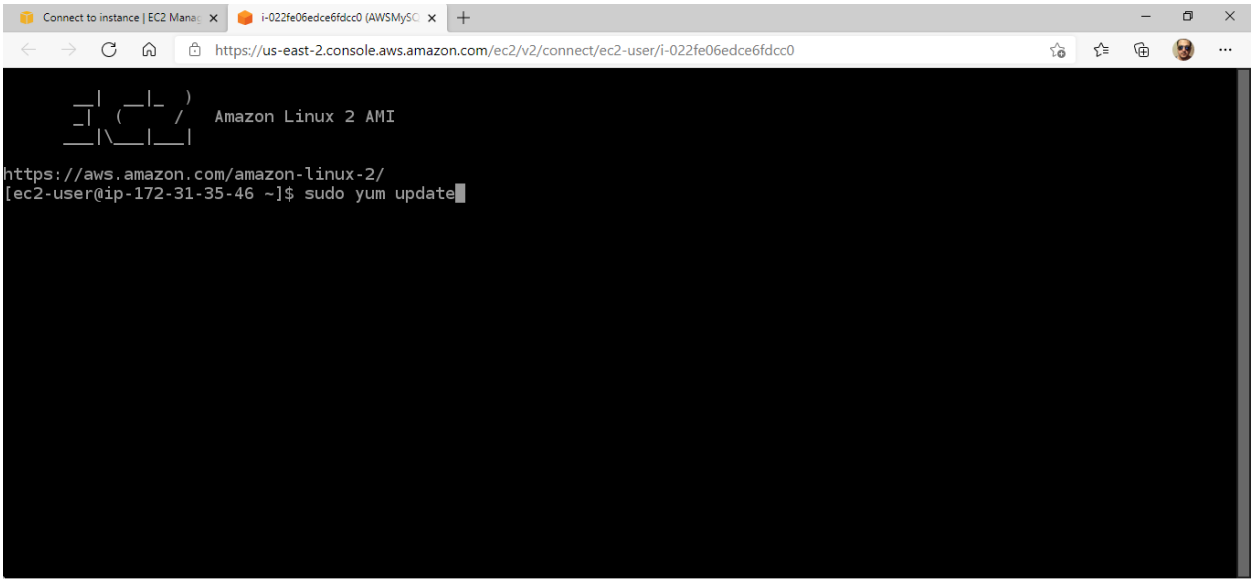


Step 14: Ensure you are successfully connected to Amazon Linux 2 AMI



Step 15: To update applications on System

Type-> **sudo yum update**

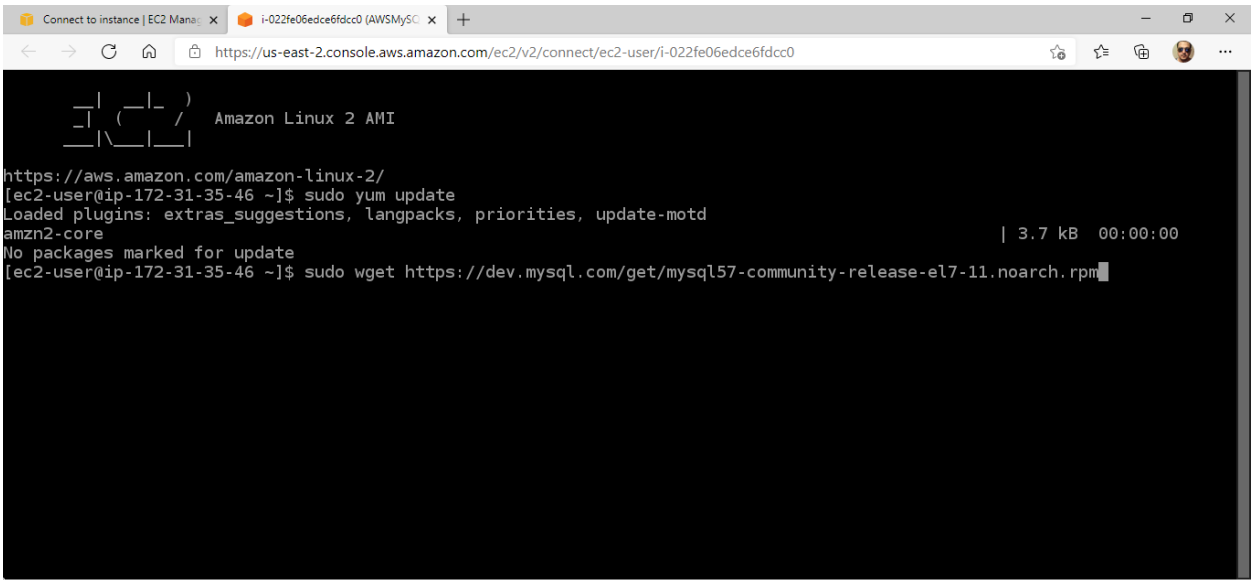


i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

Step 16: Create YUM repository for installing MySQL

Type-> **sudo wget https://dev.mysql.com/get/mysql57-community-release-el7-11.noarch.rpm**

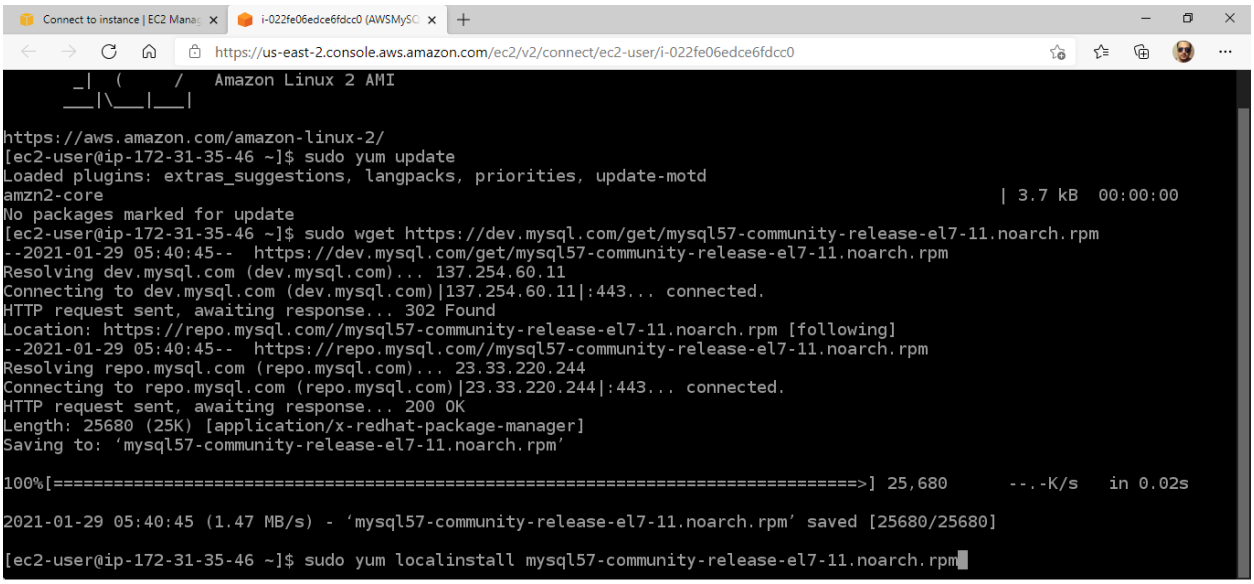


i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

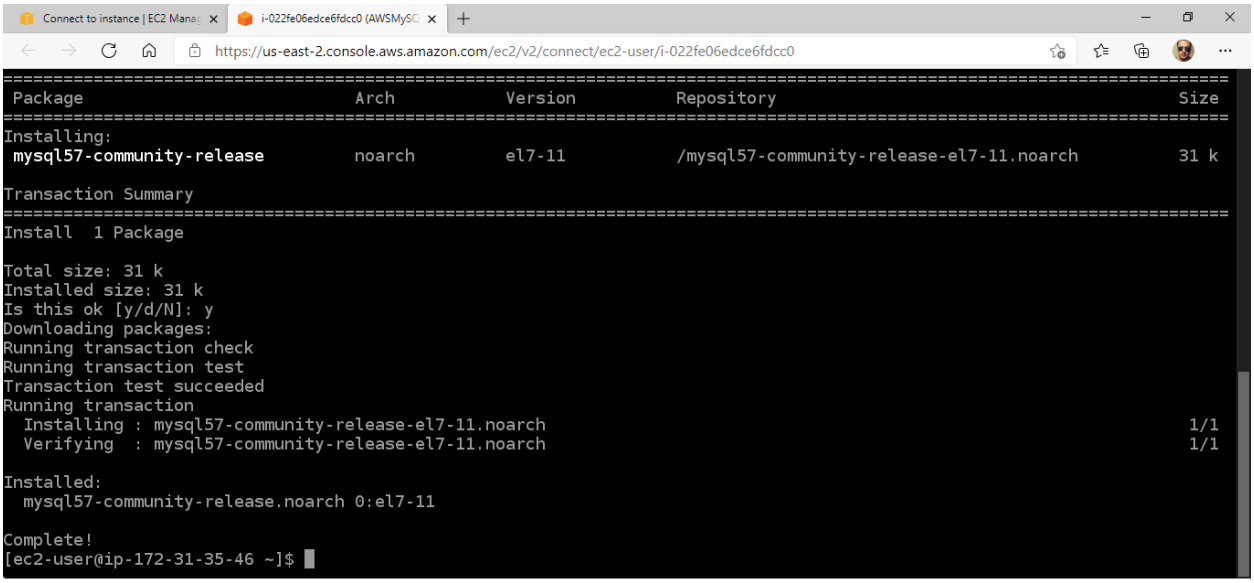
Step 17: download .rpm for MySQL installation

Type-> **sudo yum localinstall mysql57-community-release-el7-11.noarch.rpm**



i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

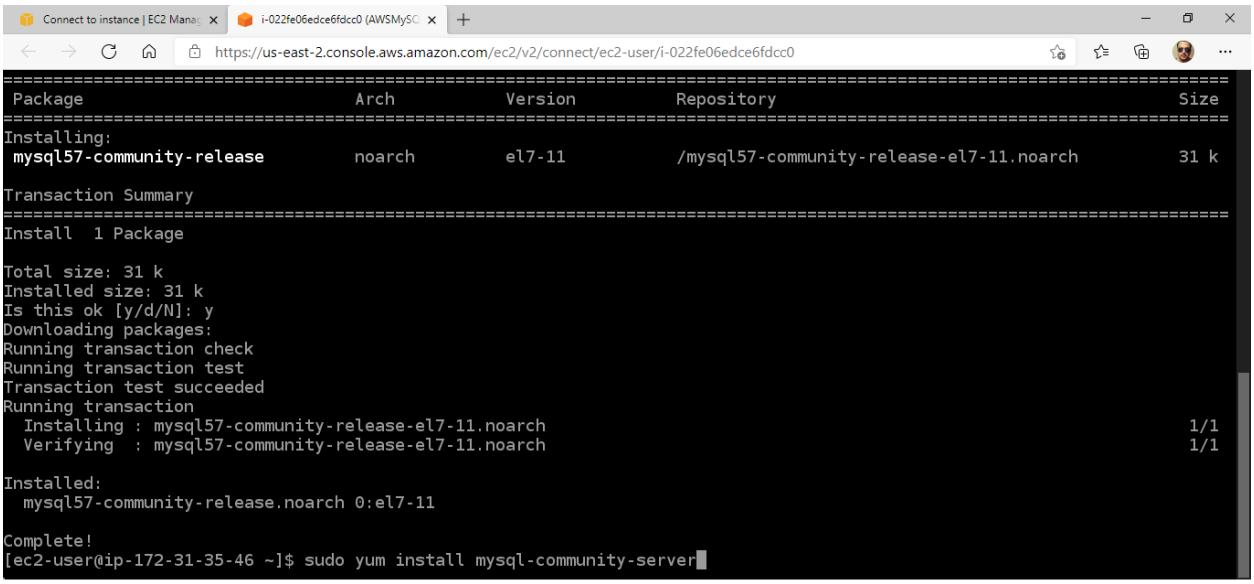


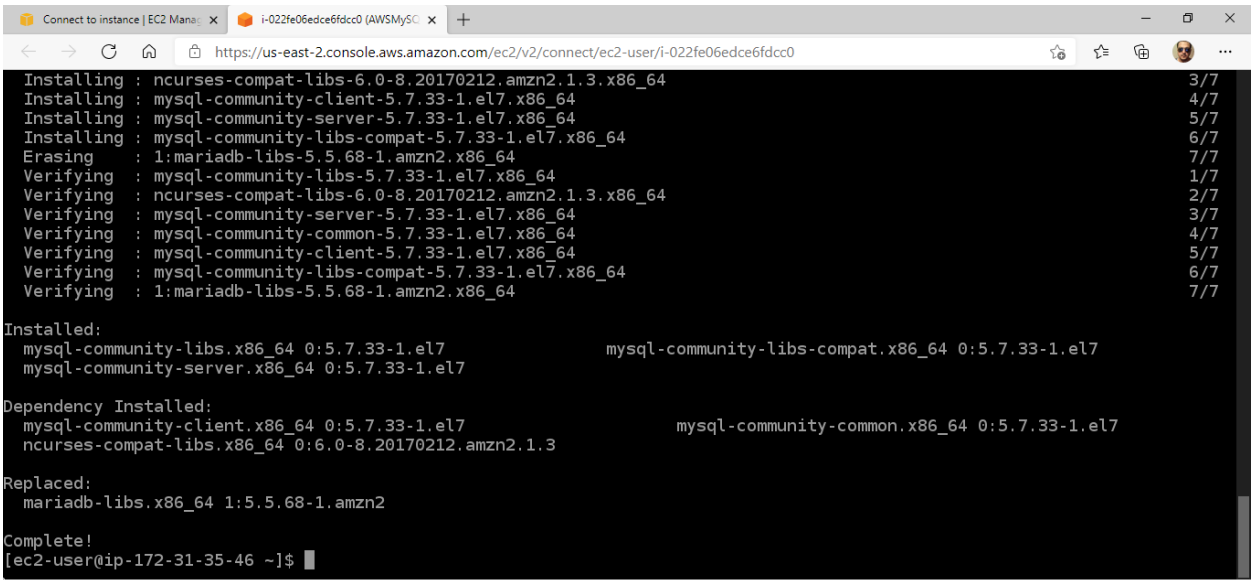
i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

Step 18: Install MySQL

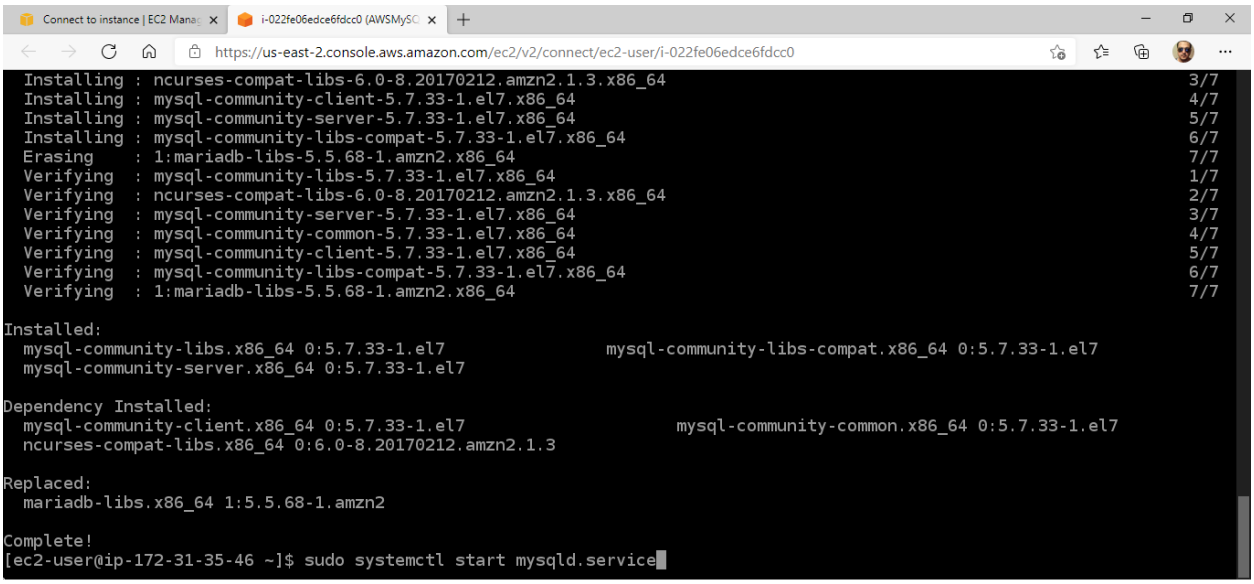
Type-> **sudo yum install mysql-community-server**





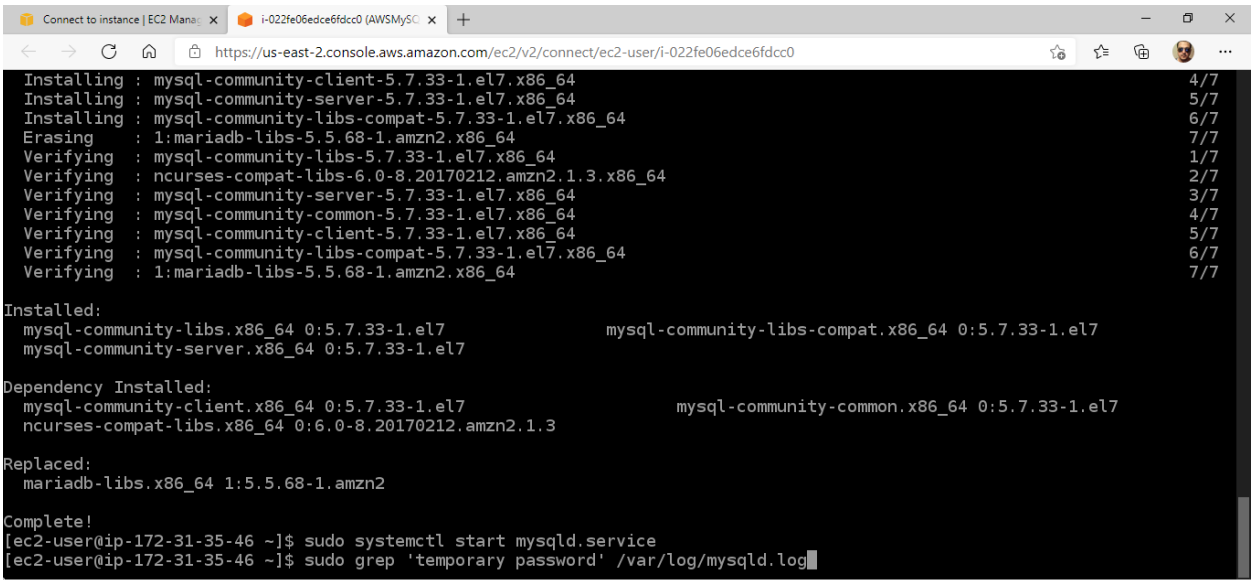
Step 19: Start MySQL service

Type-> **sudo systemctl start mysqld.service**



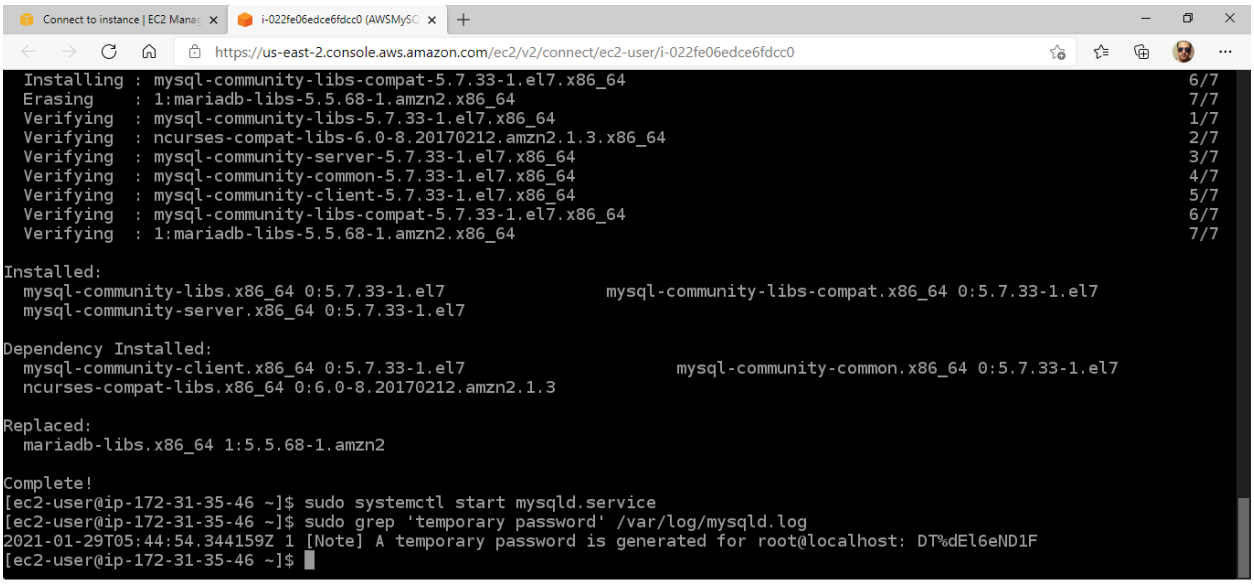
Step 20: Get default password for root

Type->**sudo grep 'temporary password' /var/log/mysqld.log**



i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

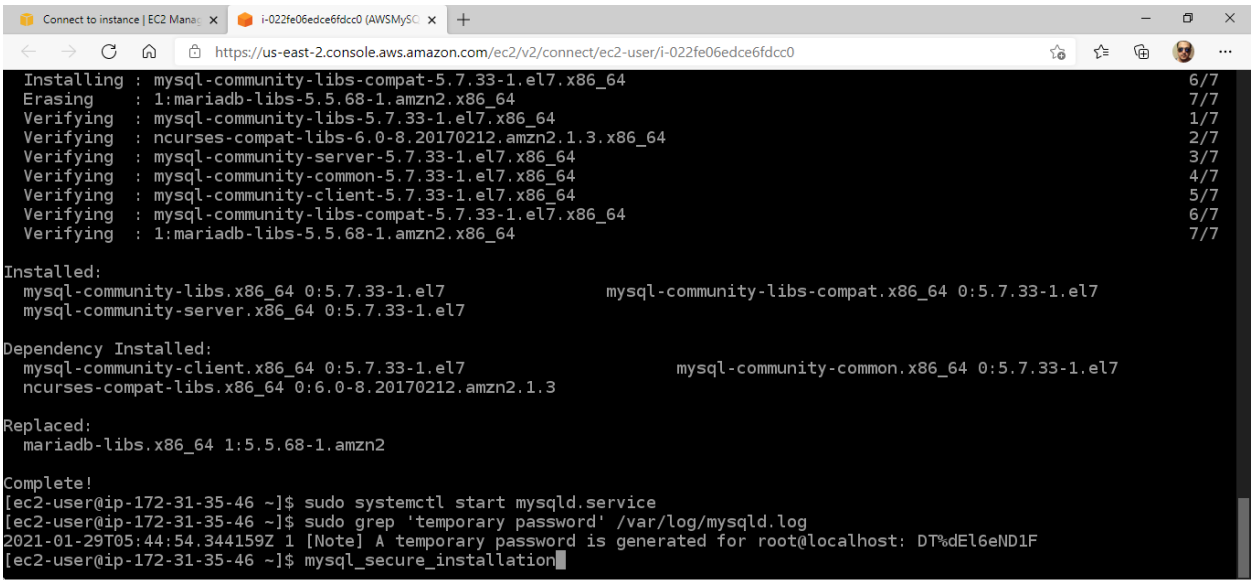


i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

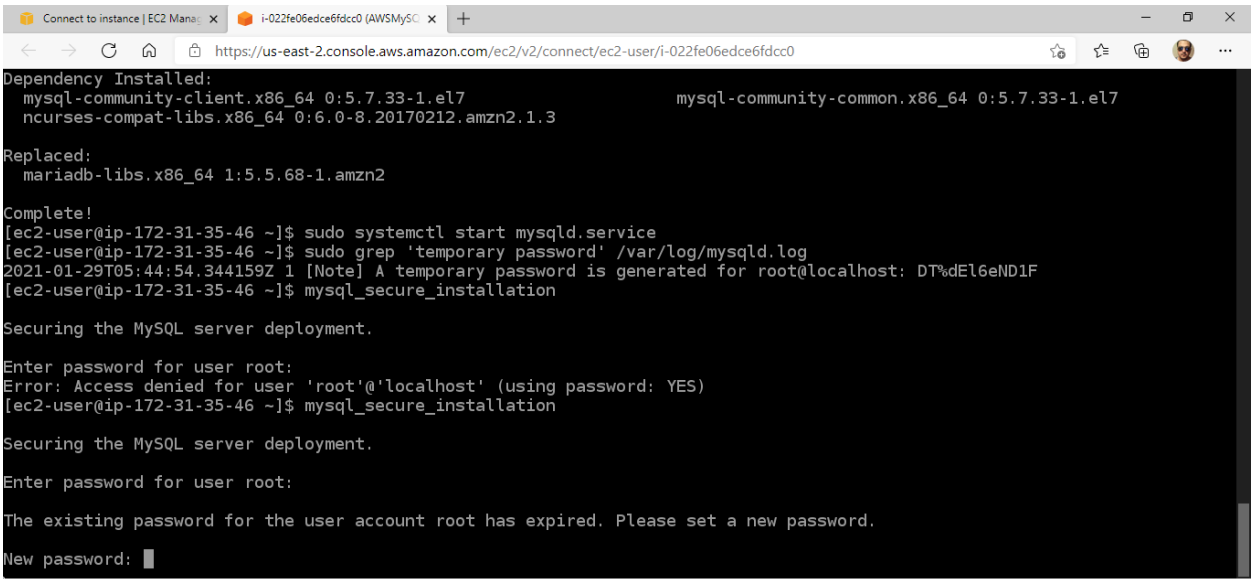
Step 21: Change password for root, password should have uppercase, numbers, special character e.g “Sabbir@123”

Type-> **mysql_secure_installation**



i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46



i-022fe06edce6fdcc0 (AWSMySQLServer)

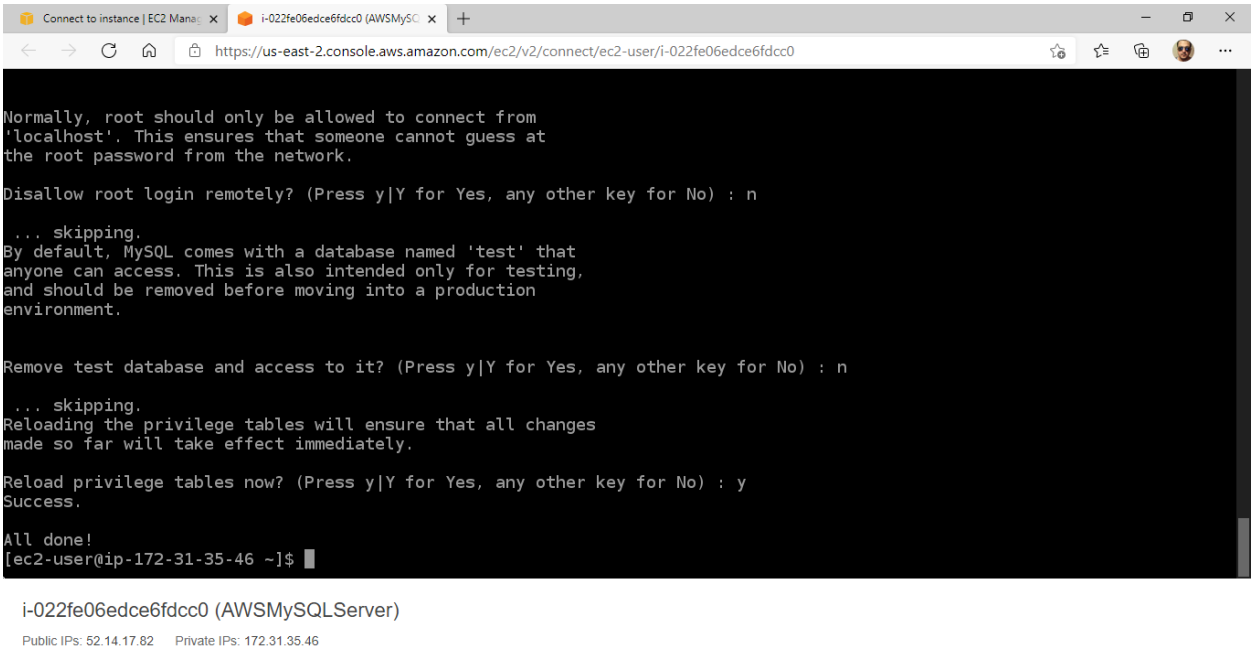
Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

```
Remove anonymous users? (Press y|Y for Yes, any other key for No) : n
```

```
Disallow root login remotely? (Press y|Y for Yes, any other key for No) : n
```

```
Remove test database and access to it? (Press y|Y for Yes, any other key for No) : n
```

```
Reload privilege tables now? (Press y|Y for Yes, any other key for No) : y
```

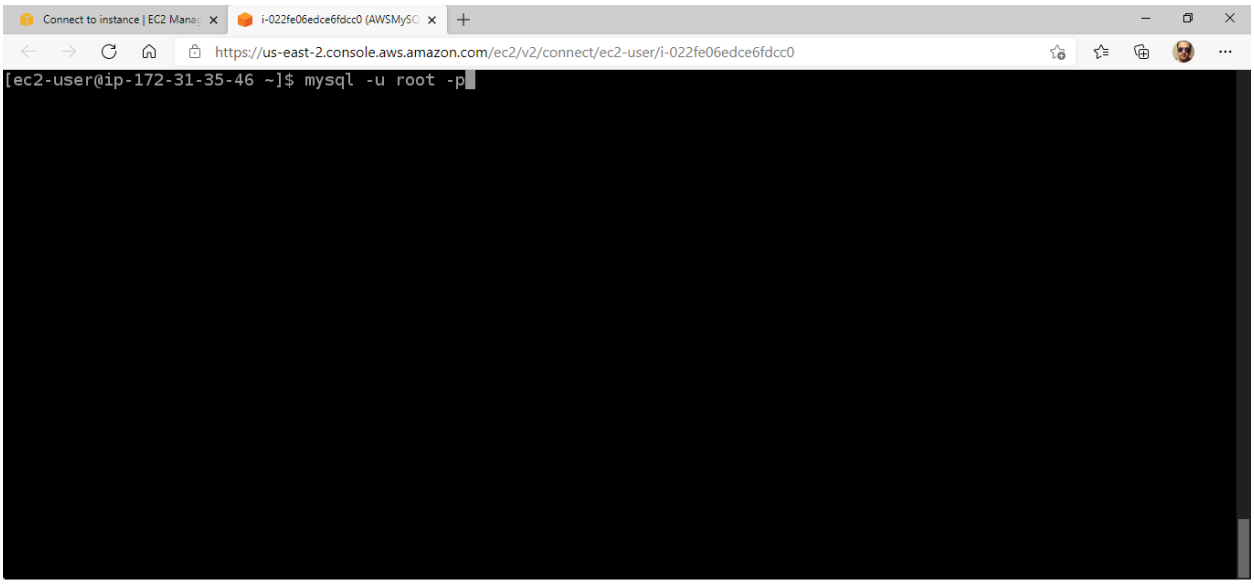


i-022fe06edce6fdcc0 (AWSMySQLServer)

Public IPs: 52.14.17.82 Private IPs: 172.31.35.46

Step 22: Connect to MySQL,

Type-> **mysql -u root -p**



Enter password

On successfully connect you should see SQL CLI ,

```
mysql>
```

Step 22: Create database,

Type->**create database CustomersDB**

```
mysql> create database CustomersDB;
Query OK, 1 row affected (0.00 sec)
```

Step 22: Use database,

Type-> **use CustomersDB**

```
mysql> use CustomersDB;
```

Step 23: Create table,

```
mysql> create table customers(custId int primary key,custName varchar(40),custLocation varchar(40));
```

```
mysql> create table customers_orders(custId int,orderId varchar(40));
```

Step 24: Insert sample records,

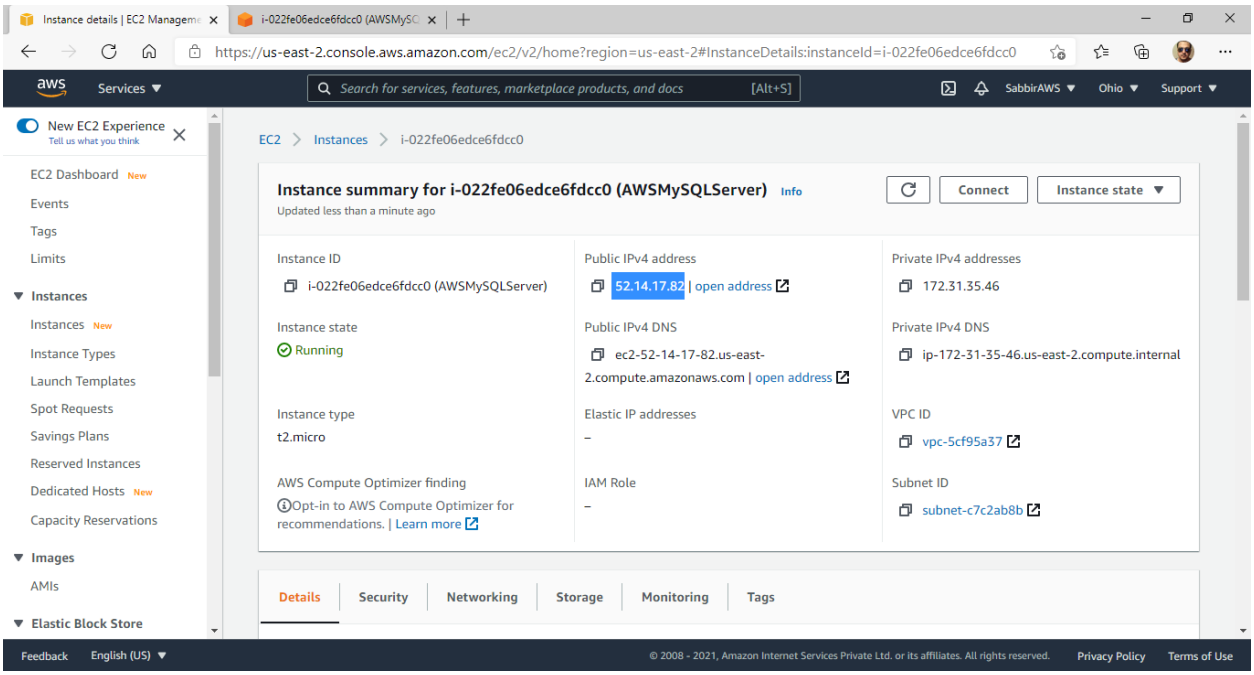
```
mysql> insert into customers values(1001,'sabbir','pune');
Query OK, 1 row affected (0.00 sec)

mysql> insert into customers_orders values(1001,'ODR1001');
Query OK, 1 row affected (0.00 sec)
```

And exit,

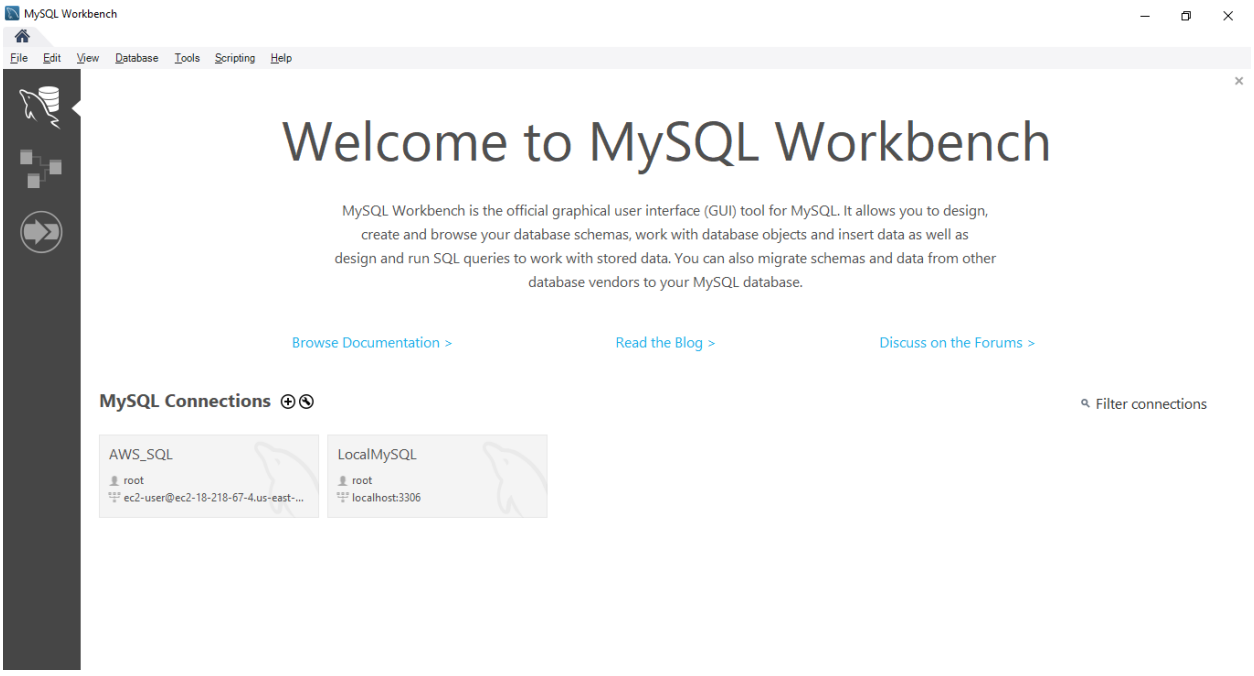
```
mysql> exit
Bye
[ec2-user@ip-172-31-35-46 ~]$
```

Step 25: Connect to MySQL using MySQL Workbench

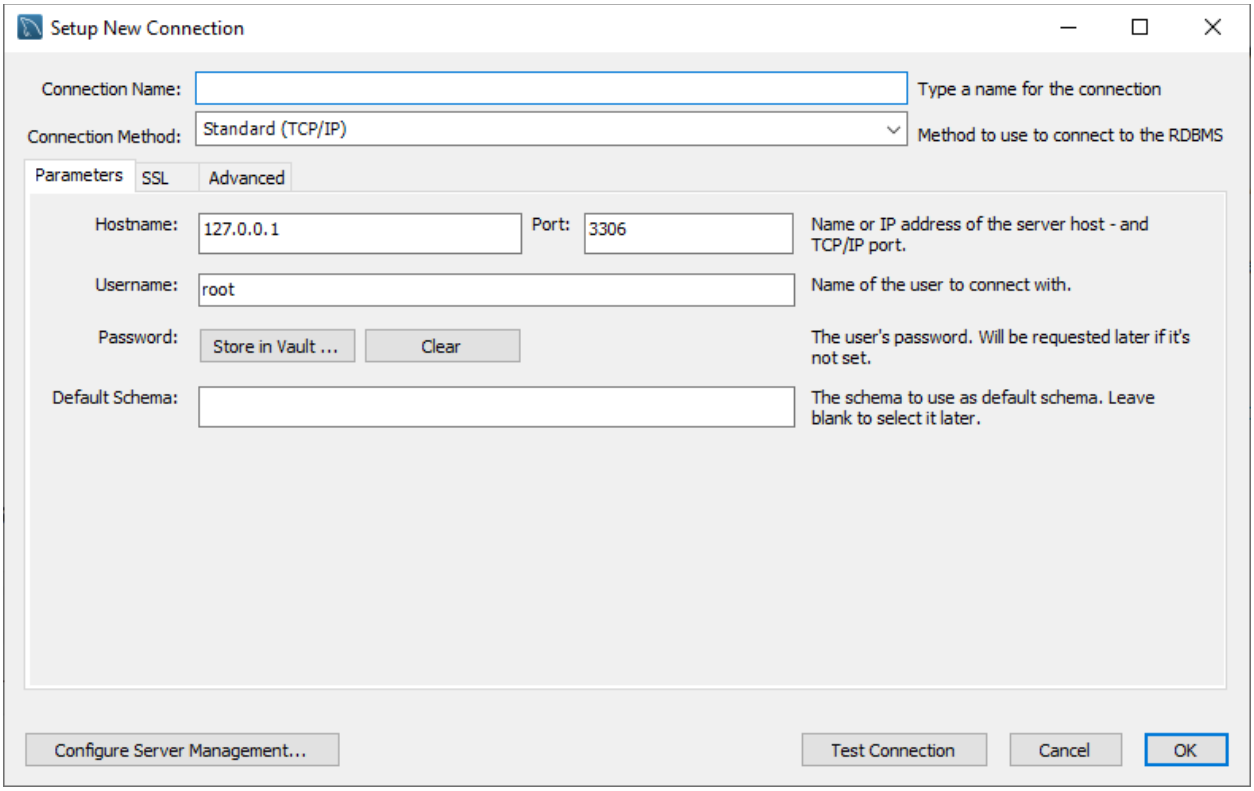
To get the public IP of EC2 Instance,



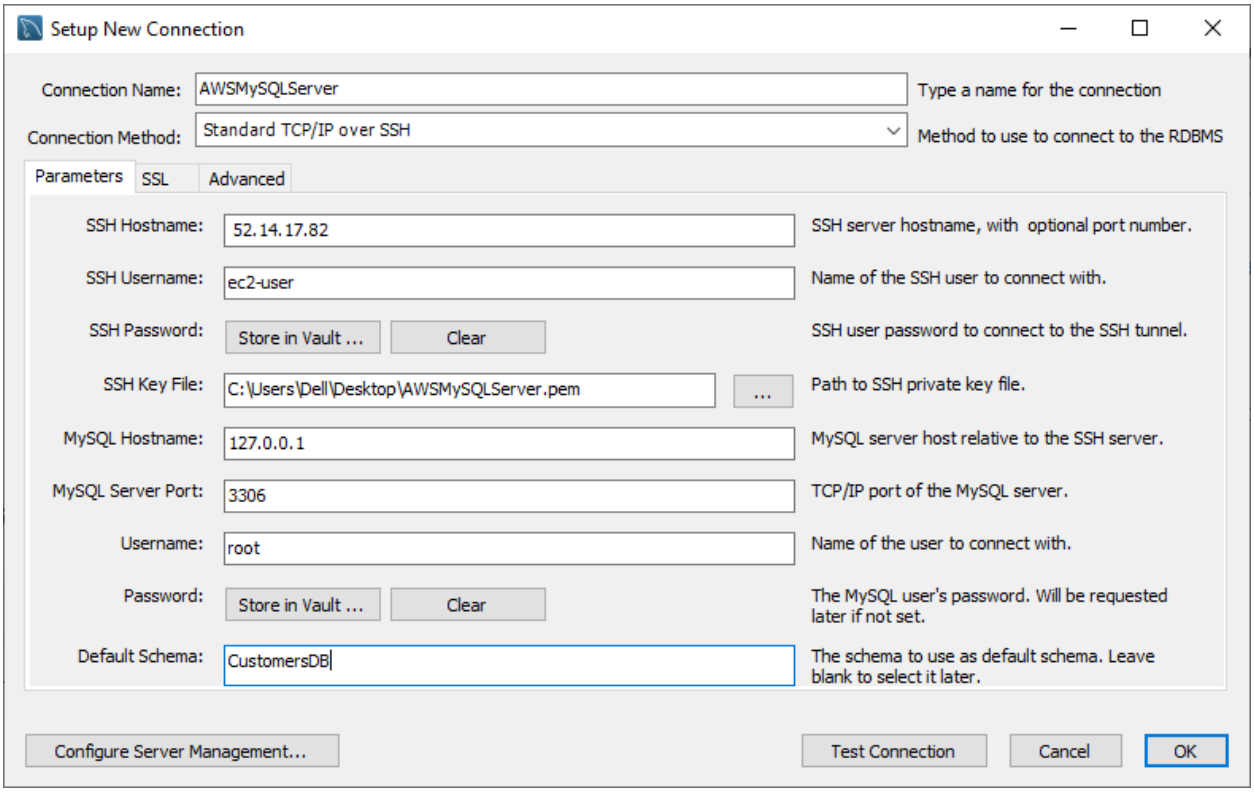
Start MySQL Work bench,



Click on + for MySQL Connections,



And fill details as specified below,



SSH Hostname: **<<public IP address of EC2 instance>>**

SSH Username: **ec2-user**

SSH Key File: browse key-pair file downloaded in **Step 11**

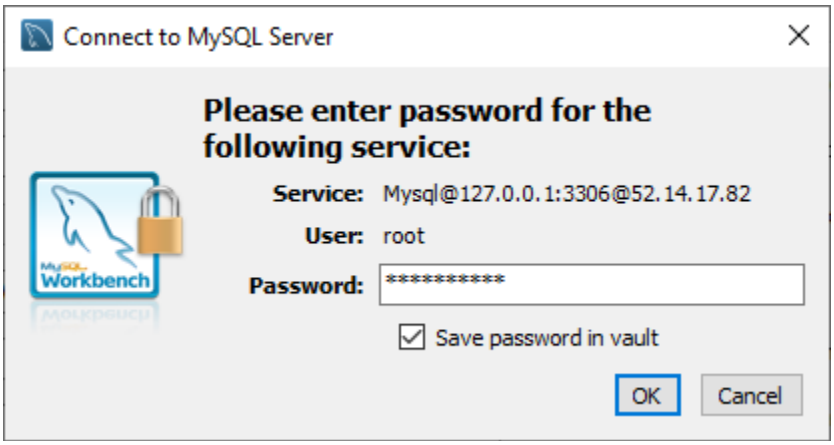
MySQL Hostname: **127.0.0.1**

MySQL Server Port: **3306**

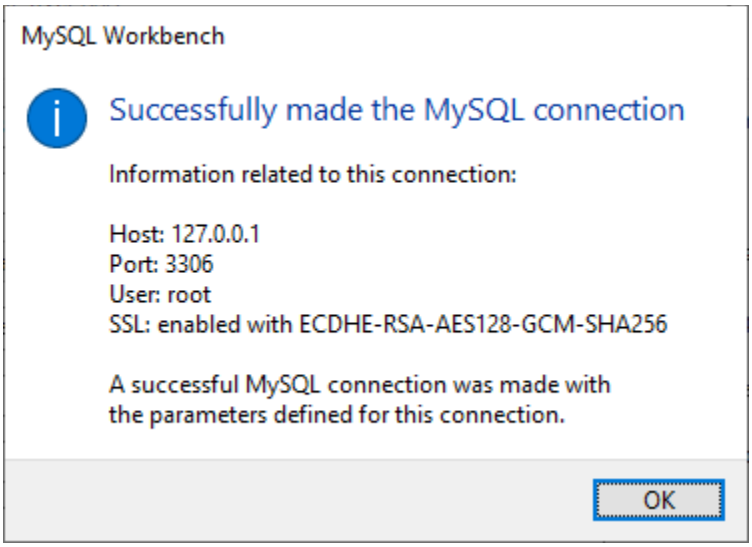
Username: **root**

Default Schema: **CustomersDB**

Click on Test Connection, Please enter root password,

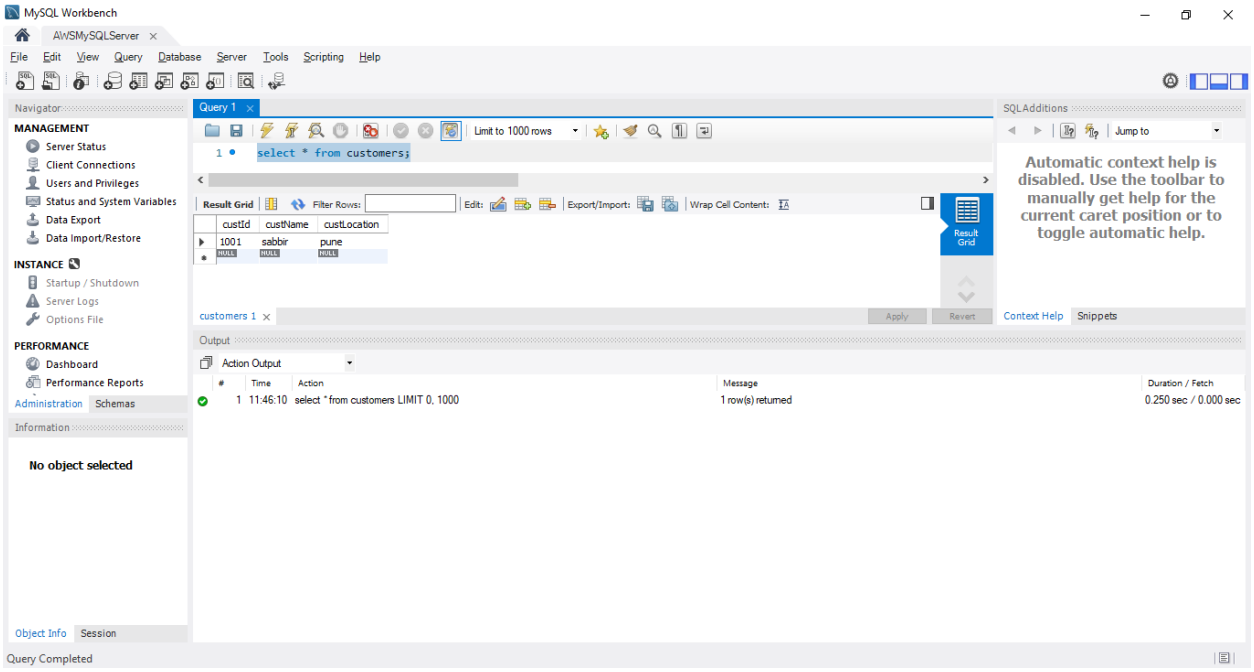


On Successful connection,



To test,

Type->select * from customers;


MySQL Workbench
AWSMySQLServer
File Edit View Query Database Server Tools Scripting Help
Navigator
MANAGEMENT
Server Status
Client Connections
Users and Privileges
Status and System Variables
Data Export
Data Import/Restore
INSTANCE
Startup / Shutdown
Server Logs
Options File
PERFORMANCE
Dashboard
Performance Reports
Administration Schemas
Information
No object selected
Object Info Session
Query 1
Limit to 1000 rows
1 select * from customers;
Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:
custId custName custLocation
1001 sabbir pune
NULL NULL NULL
customers 1
Apply Revert
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
1 11:46:10 select * from customers LIMIT 0, 1000 1 row(s) returned 0.250 sec / 0.000 sec
Query Completed