**Cloud Database Creation**

* Setup and login to one of the Cloud databases from following links.

**List of Cloud Vendors**

<https://aws.amazon.com/free/database/>

<https://www.oracle.com/cloud/free/>

<https://cloud.google.com/sql>

<https://azure.microsoft.com/>

This is for creating mysql database using amazon cloud environment. You are free to choose any cloud vendor.

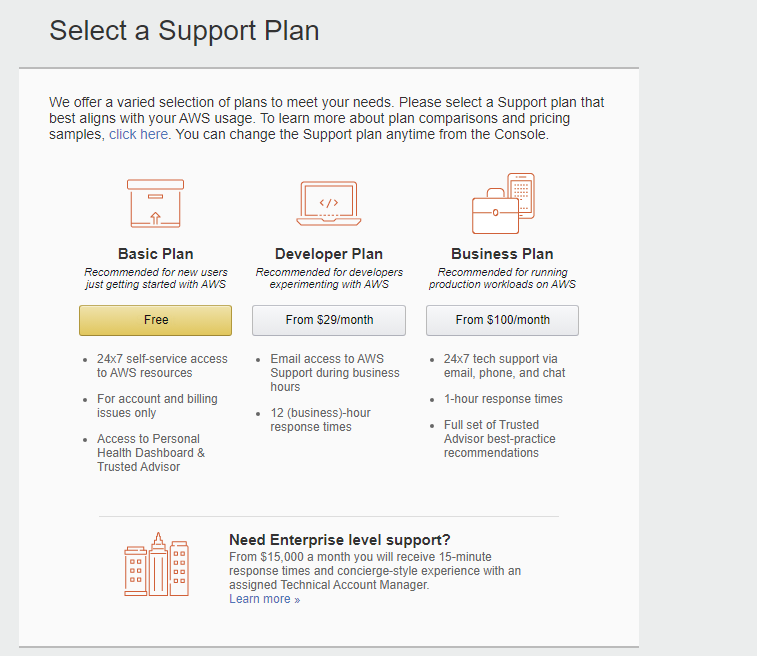
<https://aws.amazon.com/console/>

Create new account if you do not have one already. Use any of your email addres for opening account.

Register your name and other details. You have to give credit card for $1.

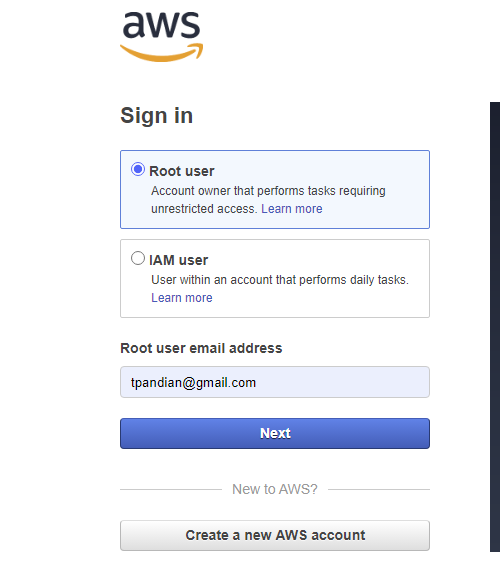
Choose Basic Plan.

\*\*\* Make sure to choose BASIC PLAN , for other plans your credit card will be charged \*\*\*

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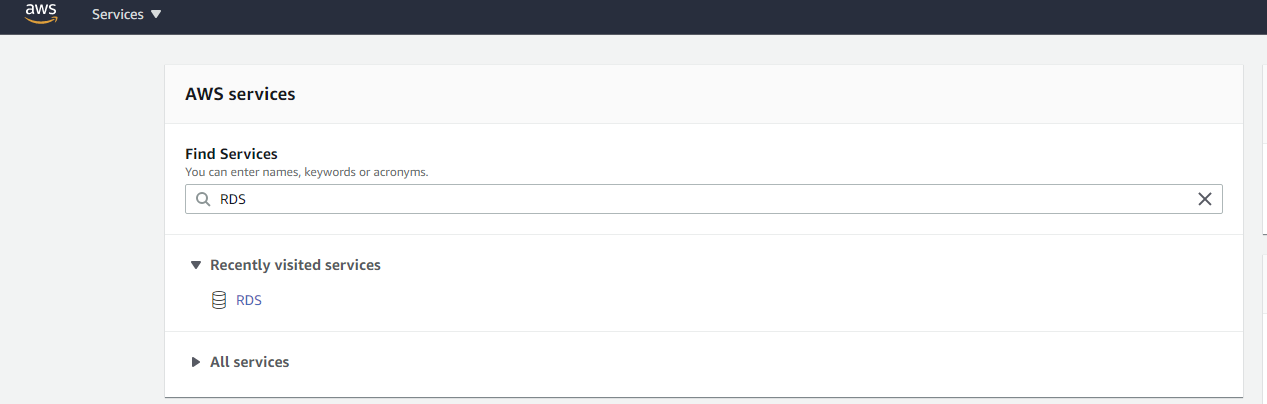
Choose FREE option

2. Login to Cloud Account



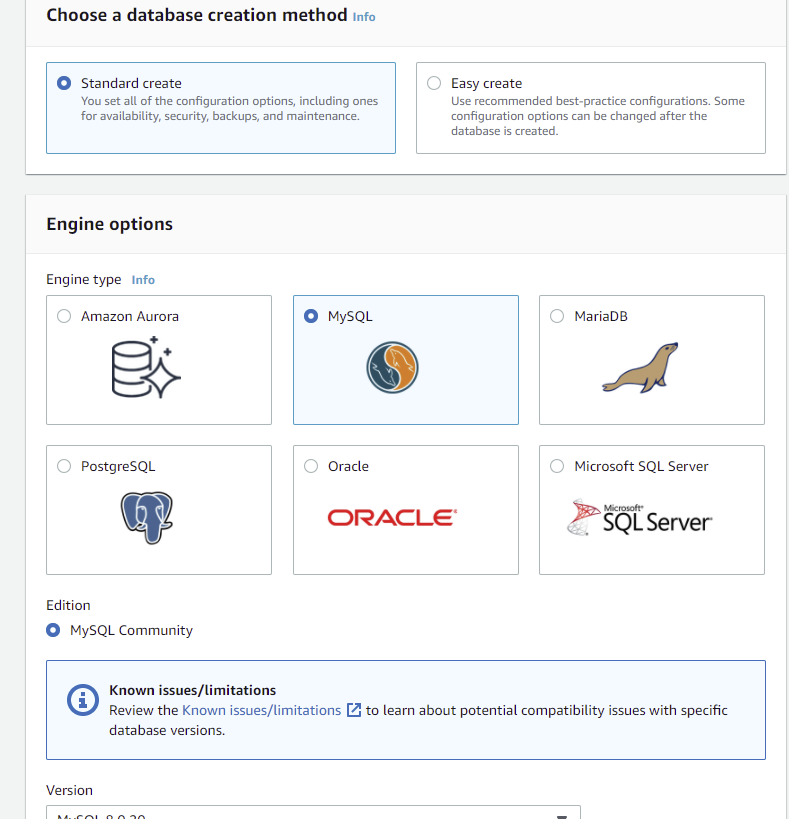
3. in Console you will get the screen as below

Type **RDS** in the find services search frame



Click on **Create database** which is in orange color button

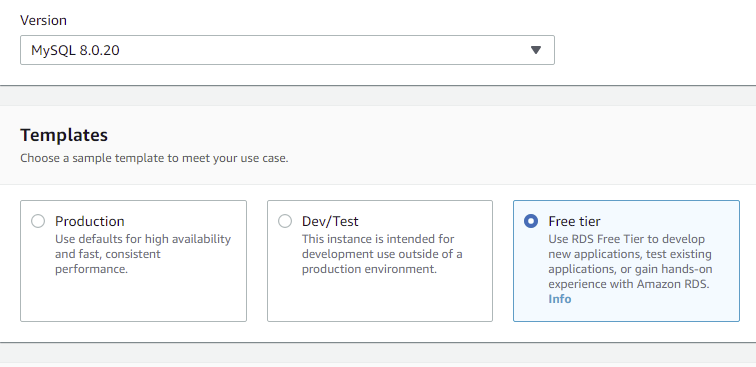
And choose exactly as shown



Scroll down the screen .

\*\*\* Make sure to choose FREE Tier, for other options your credit card will be charged \*\*\*

2



Choose FREE Tier

And fill the details.

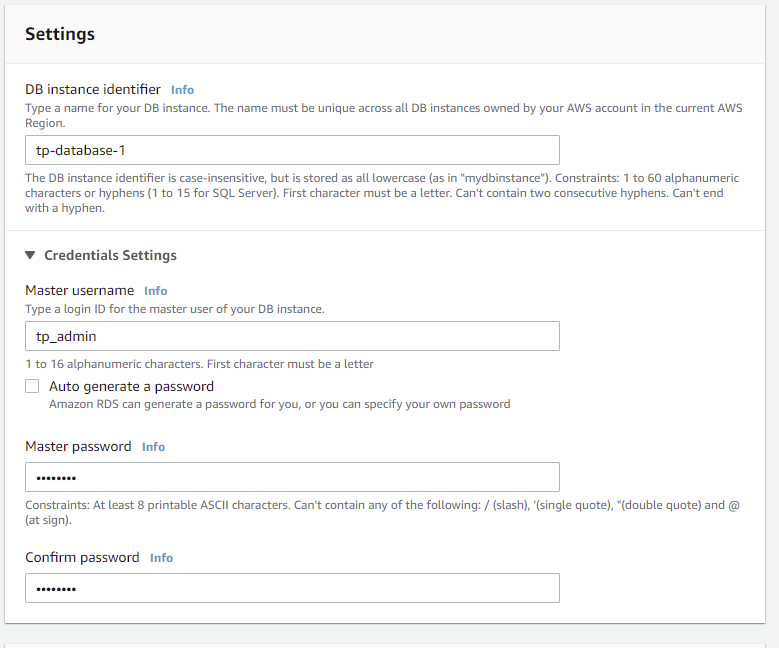
Choose DB instance identifier as < your Initial> - 6320.

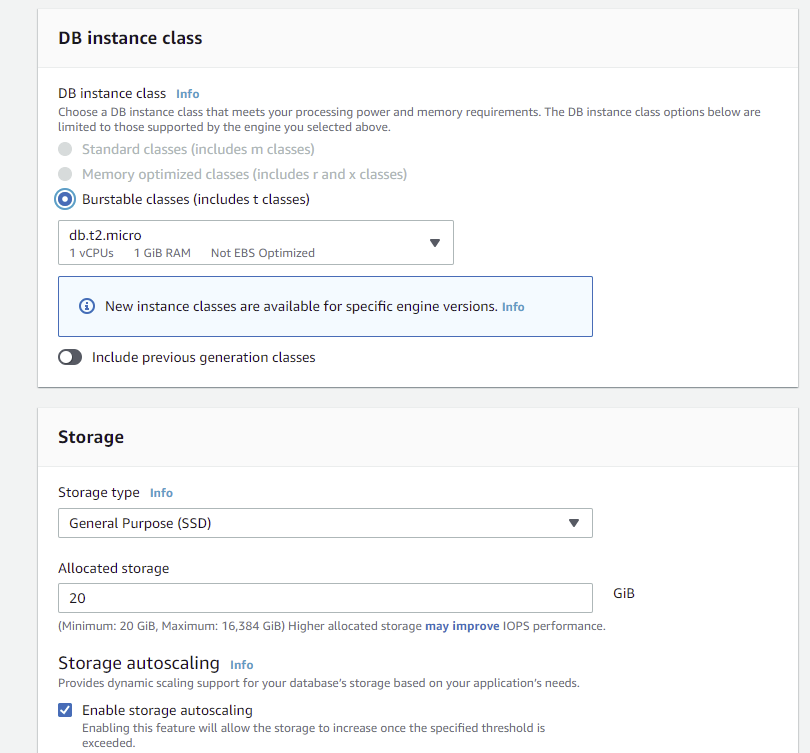
For example, Instructor instance would be

DB Instance Identifier : **tp-6320**

Master User **: tp\_admin**

Password : buan6320 ( if you use different password, remember it or note it down)

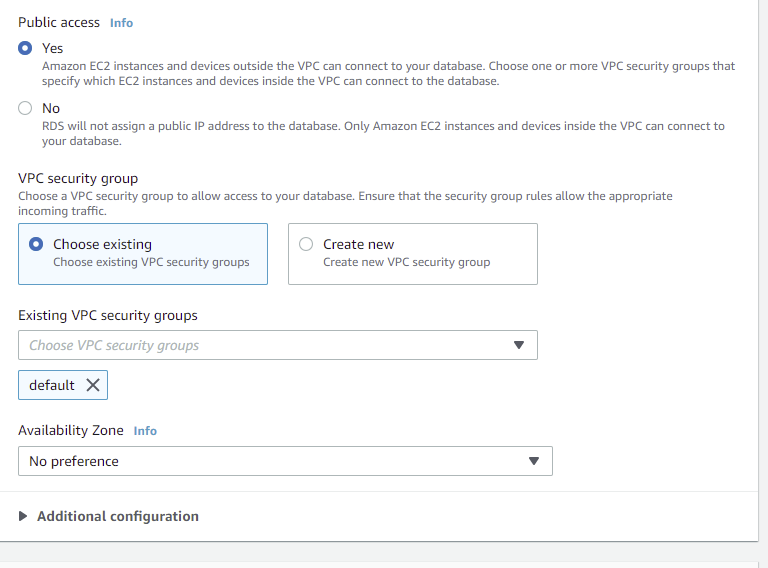




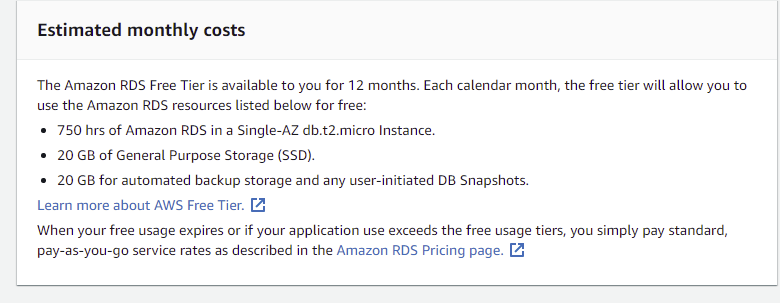
Keep Scrolling , Stop at **Connectivity** option

For Public Access : Choose YES

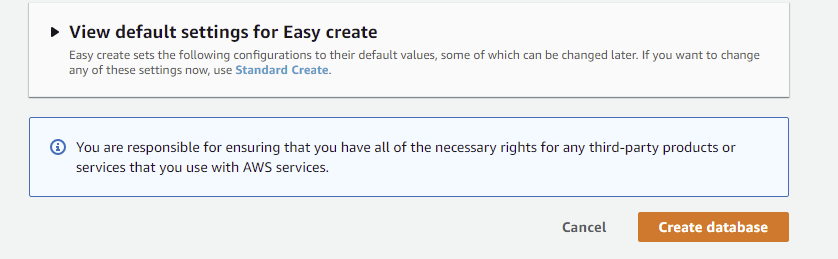
For VPC security Group : Choose Existing



NO monthly COSTS should be shown.



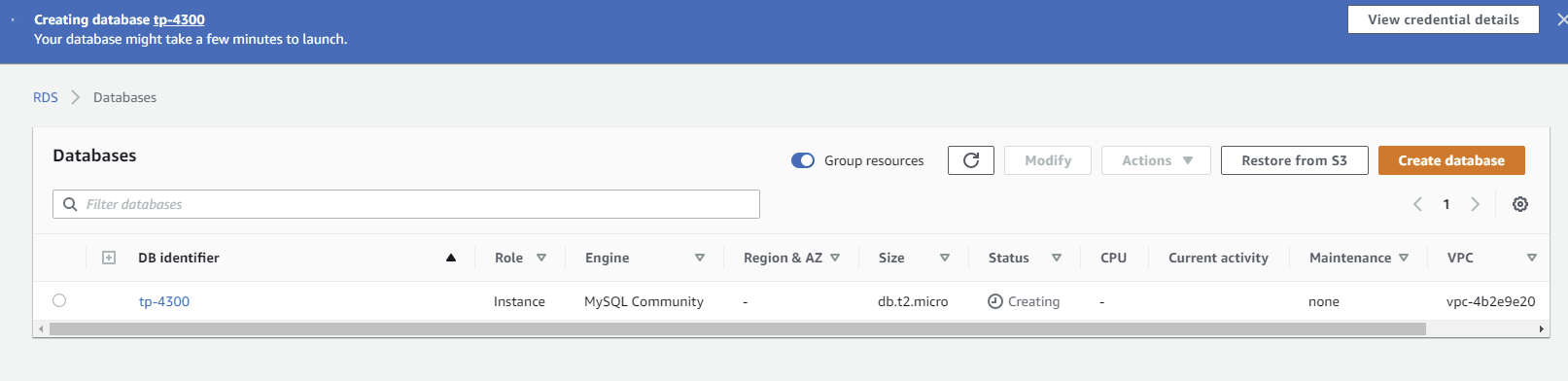
Scroll down the screen and click on **create database**



Screen will come this output

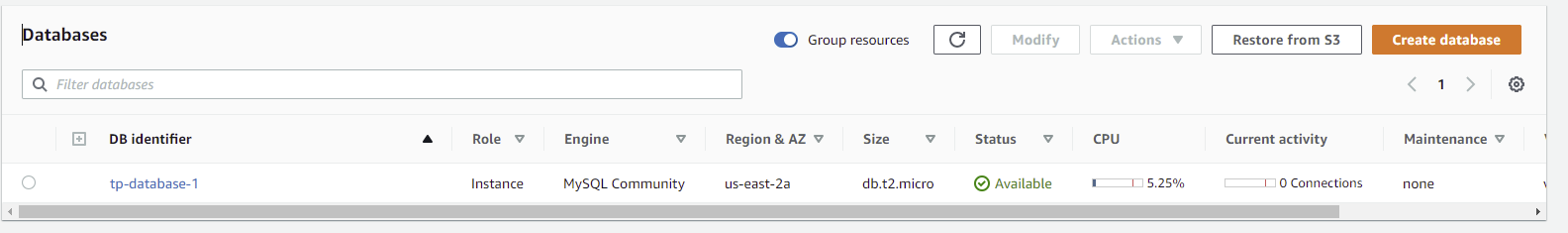
**Creating database**[**tp-6320**](https://us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#database:id=tp-4300;is-cluster=false)

Your database might take a few minutes to launch.

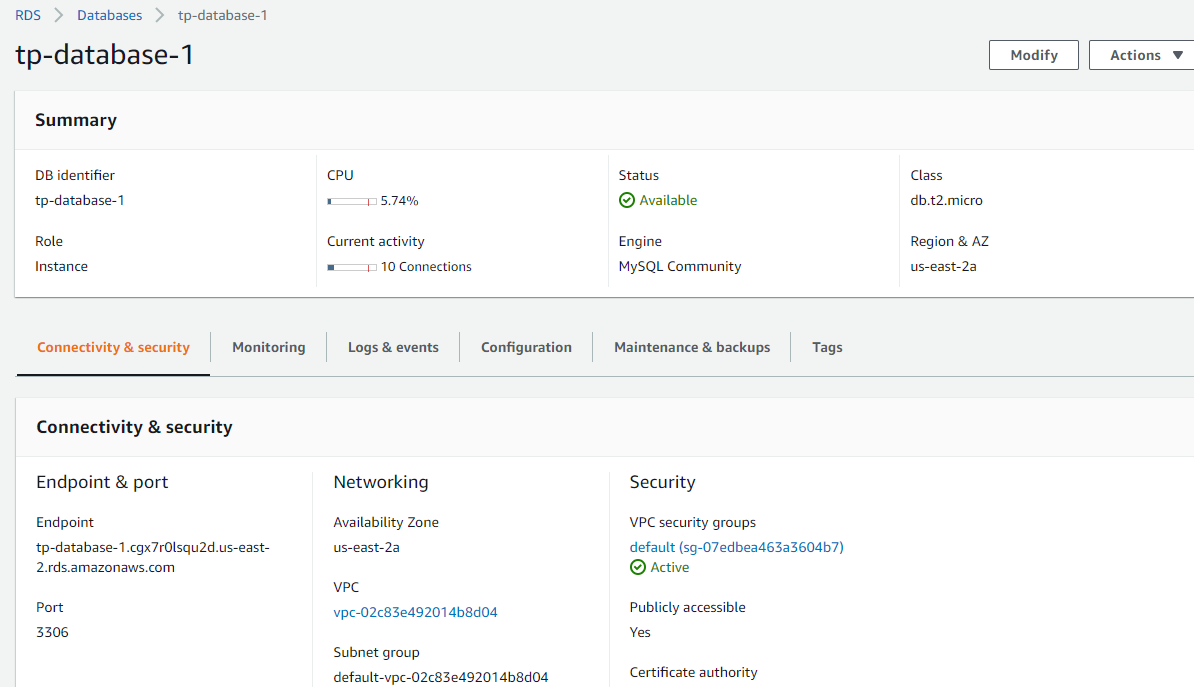


Click on View Credential details and it will show as below, store it safely to see credential data later.

Wait for 5 to 10 minutes to database to be created

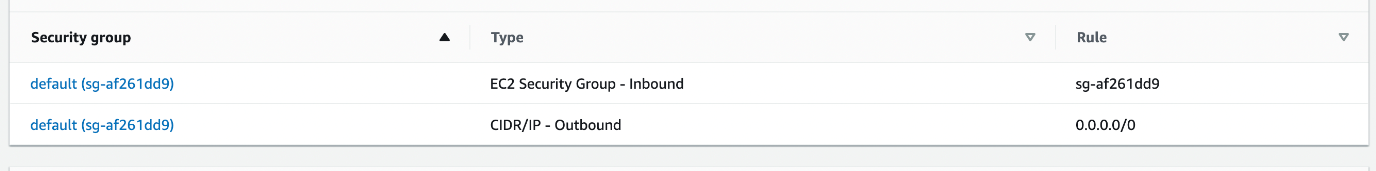


Click on DB Identifier



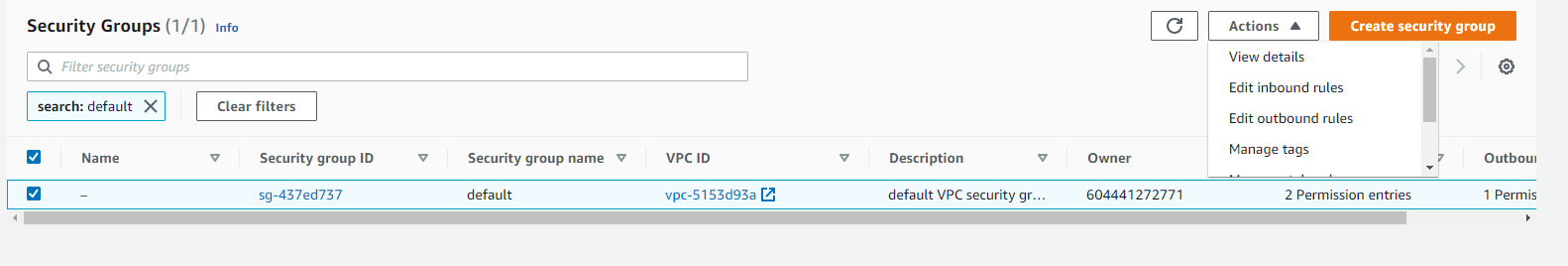
Keep Scrolling, you would see Security Groups

Click on this

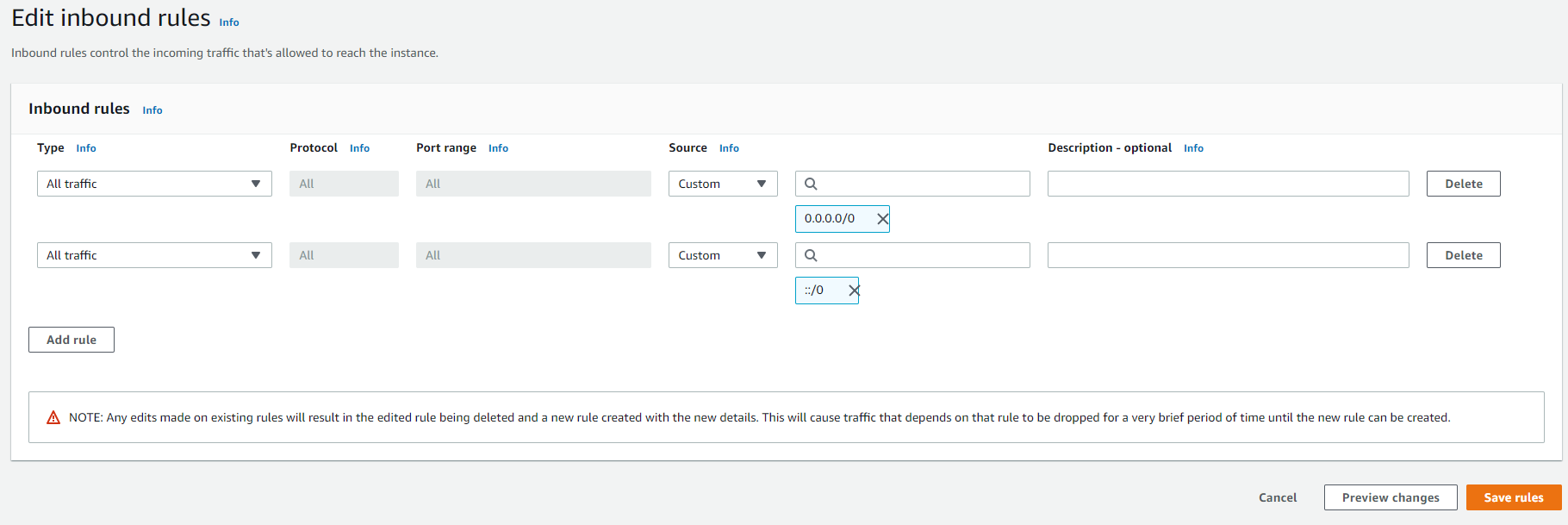


Click on first security Group, you will see this screen.

Click on Inbound rules



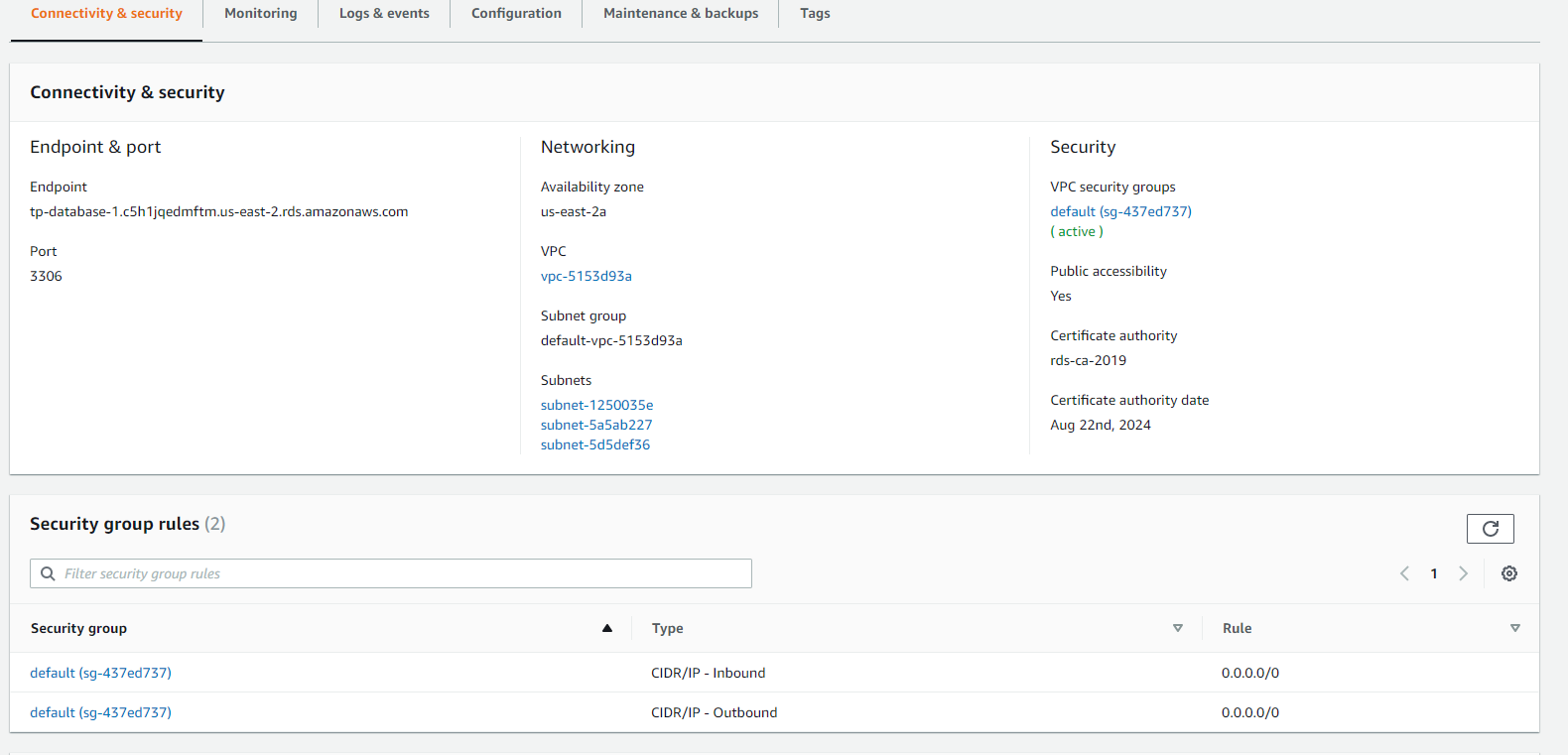
Set up inbound and outbound rules as below. And **Save rules**



Save Rules

*Now Click on your instance name again, you would see this screen*

***Make sure both inbound and outbound rules are as below. Otherwise, you will get connection error from mysql Workbench***



Look at the connectivity and security, those two values are important to connect to this db from Mysql Workbench.

My details are this. **Note both endpoint and Port number.**

Endpoint & port

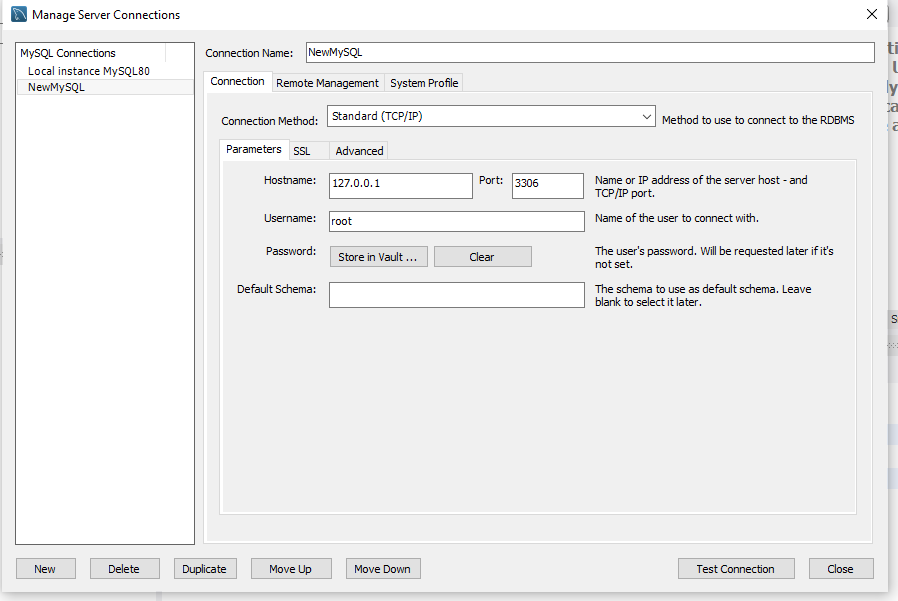
Endpoint

tp-6320.c3afyfhzdbpk.us-east-2.rds.amazonaws.com

Port

3306

Open your mysql work bench from your laptop. Choose Manage Connection from Database Menu.



Click on New

Paste the value you copied from earlier step.

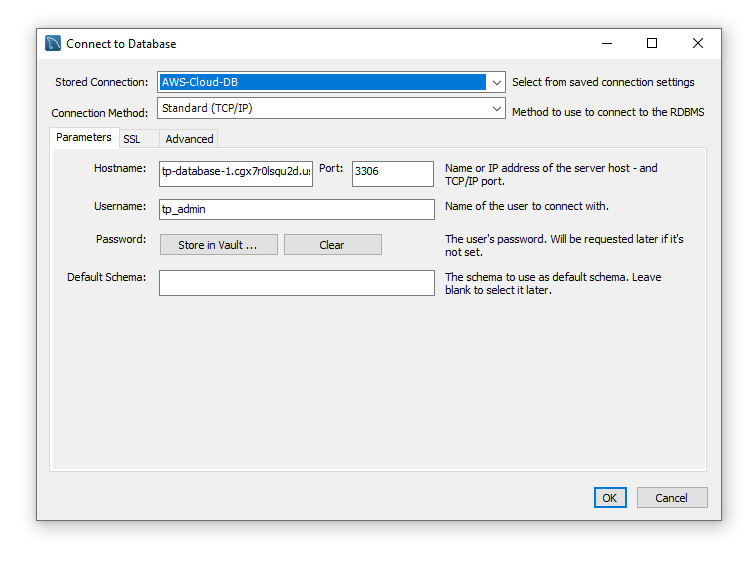
For example, my endpoint was

tp-6320.c3afyfhzdbpk.us-east-2.rds.amazonaws.com

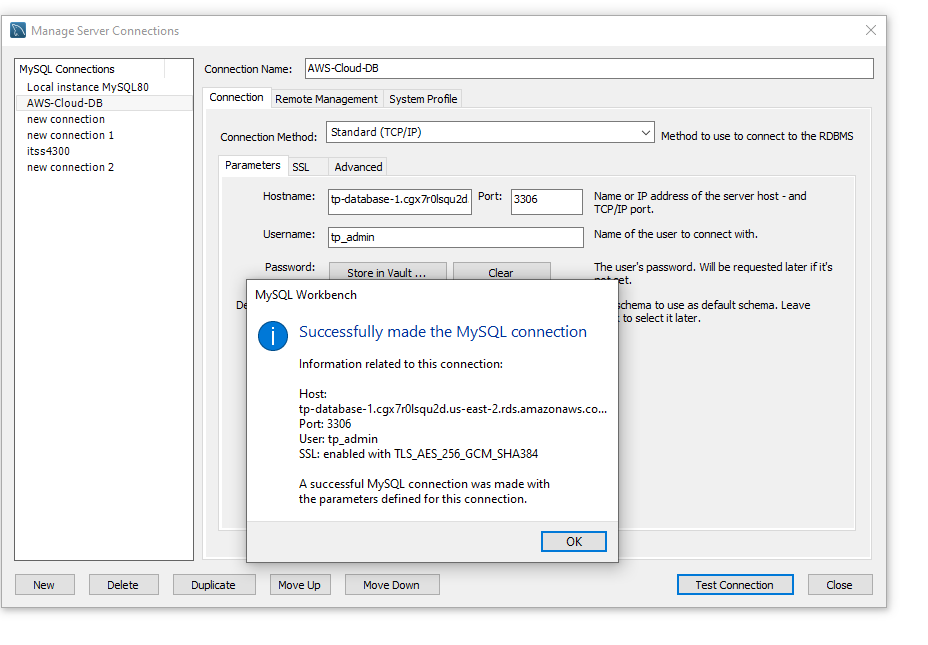
Paste it to <**your endpoint value>** to Hostname field.

Type <**your initial>\_admin** in username field , mine is **tp\_admin**

Then click on test connection. It will ask password, type Buan6320 as you set in earlier step.



After filling correct endpoint and username, click on test connection

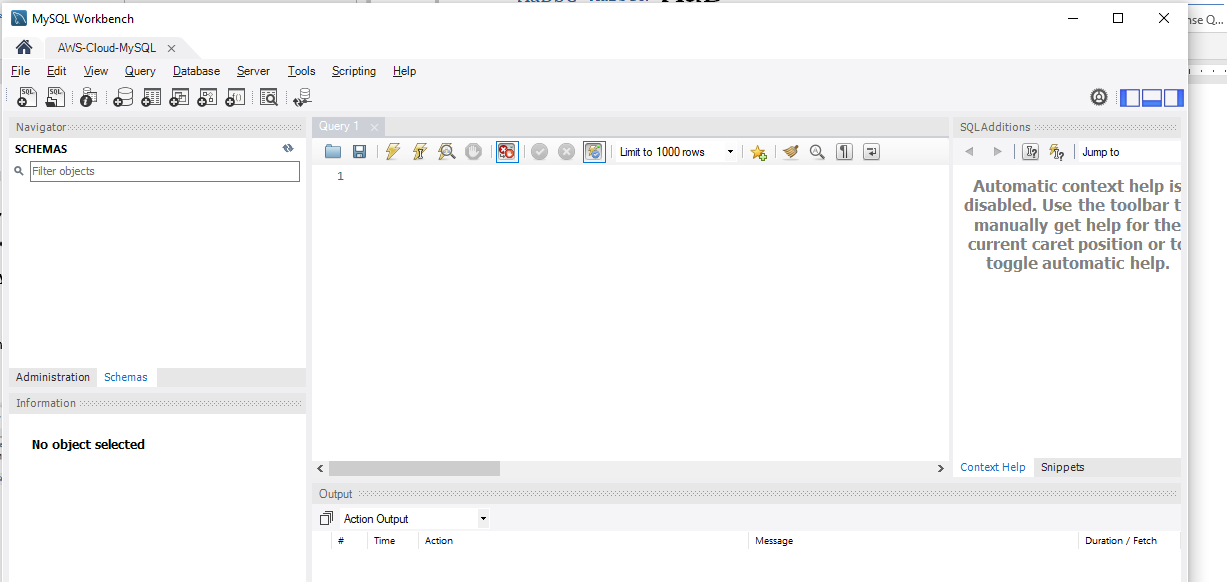


Connect to Cloud database from Mysql Workbench.

Choose **Connec to datbaase** from database Menu.

Choose “ yourIntial-6320-cloud” connection.

Connection will be open as below



**Type this sql in Editor.**

**SELECT current\_user(), SUBSTRING\_INDEX(USER(), '@', -1) AS ip, @@hostname as hostname, @@port as port, DATABASE() as current\_database;**

**Upload the Screen output to elearning using word or jpeg or png format.**

