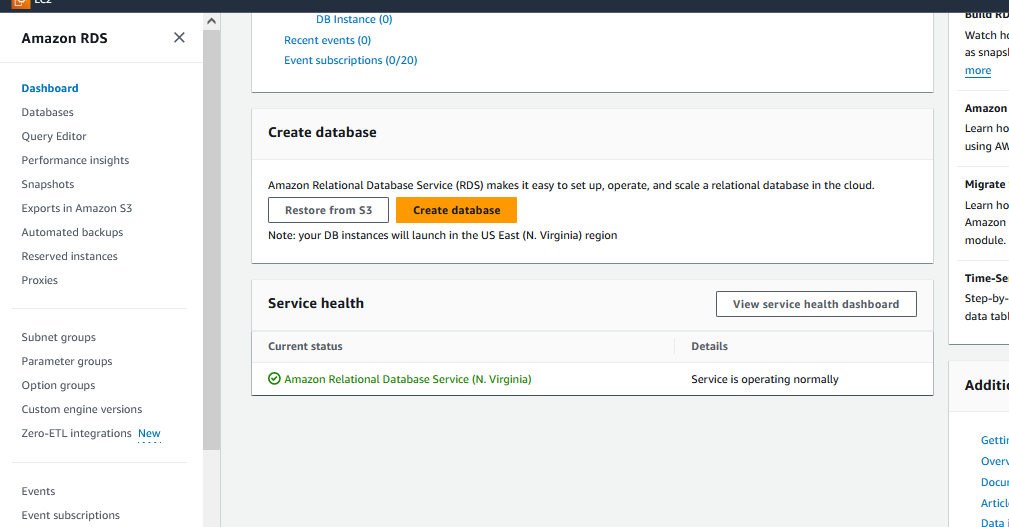
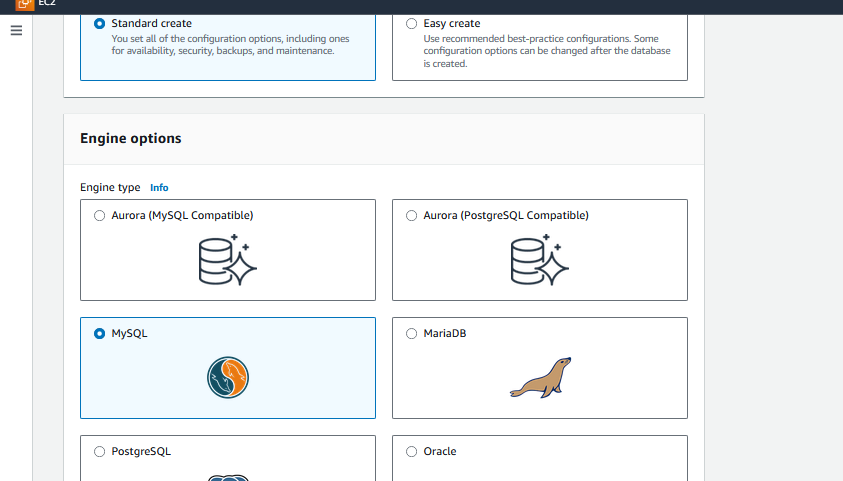
# Create RDS : Amazon Relational Database Service

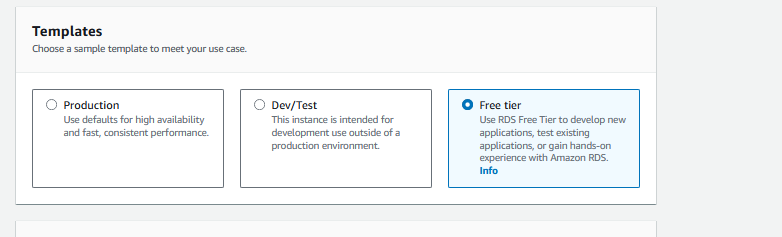
Select create database



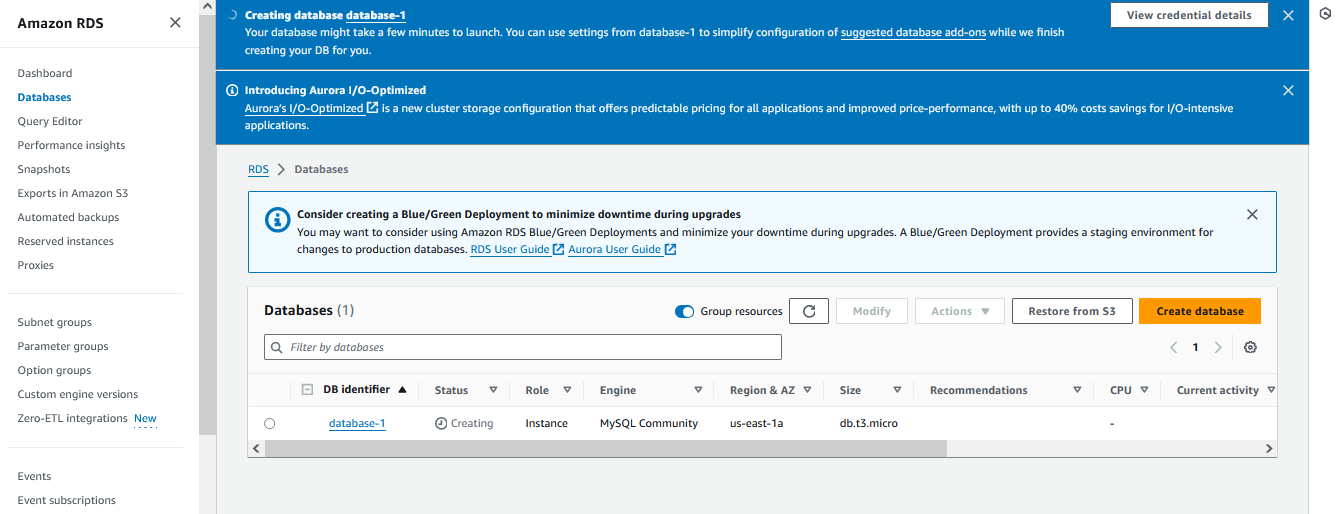
Select standard create and choose MyQL



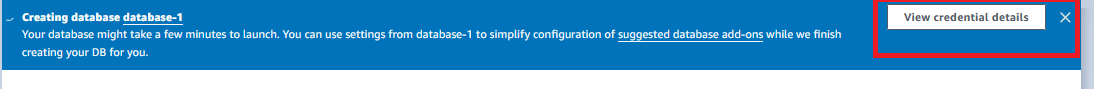
Choose free tier model

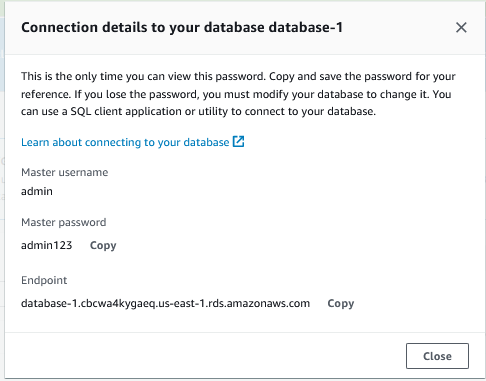


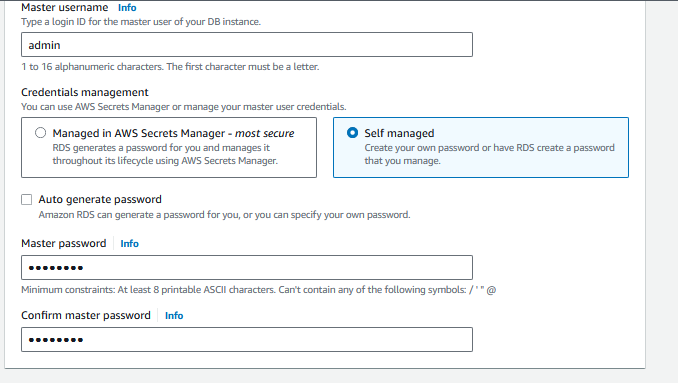
Provide password

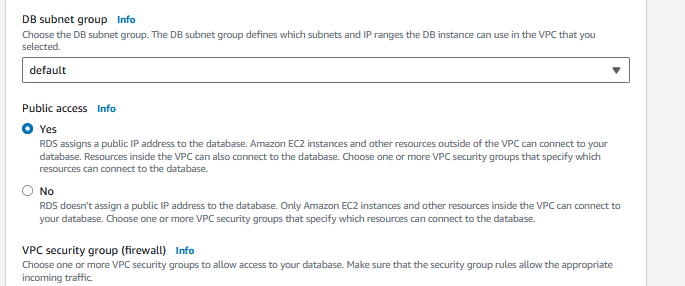


if you want to see your credentials, you can click on view credentials details

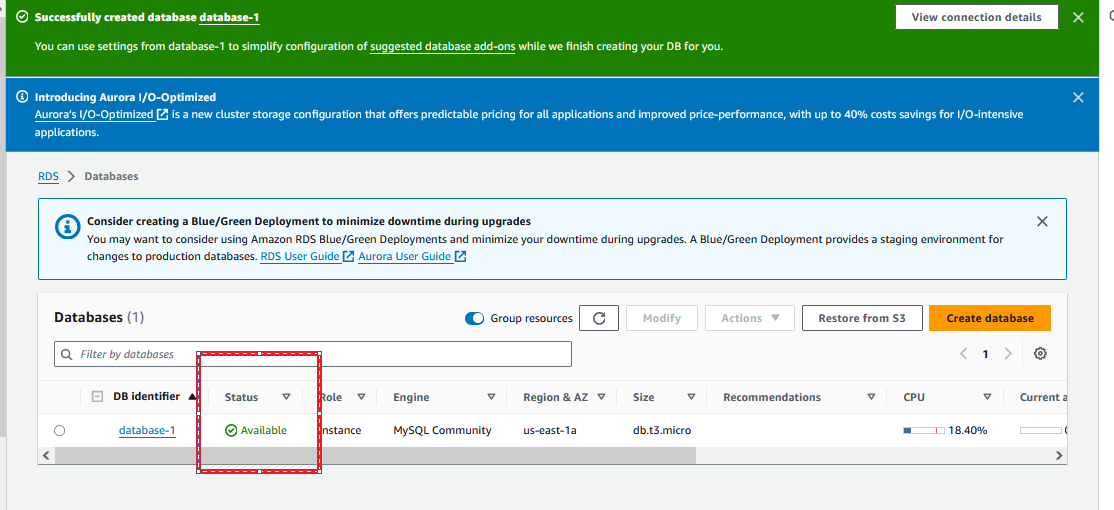






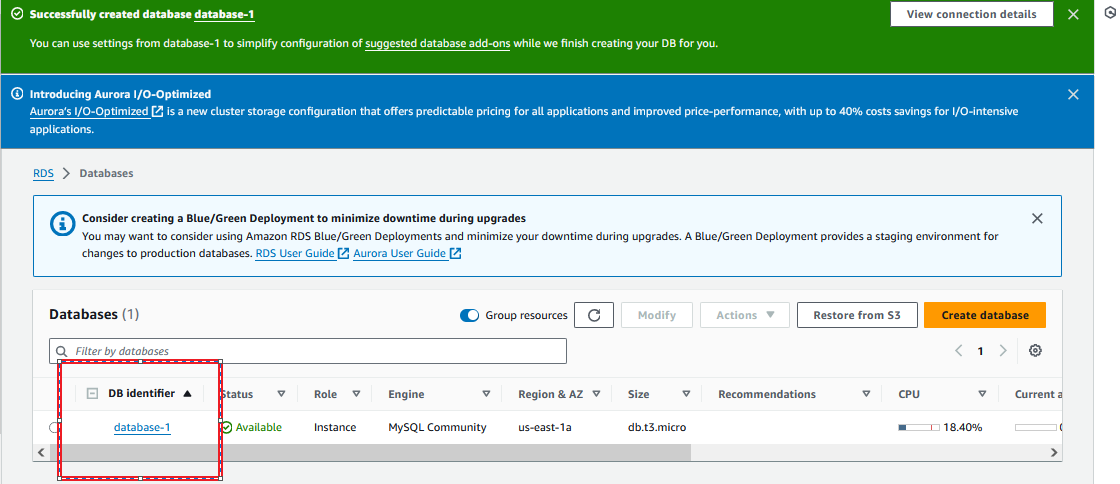


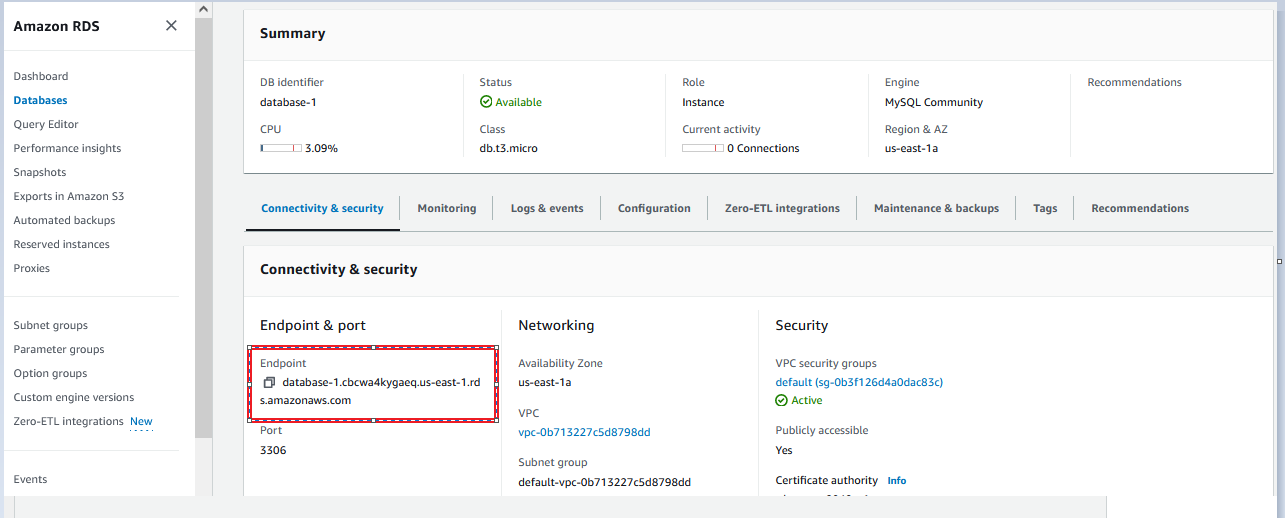
Click on create database button



Database would take few mins to up and running.

Click on the Database-1 to capture the endpoint.





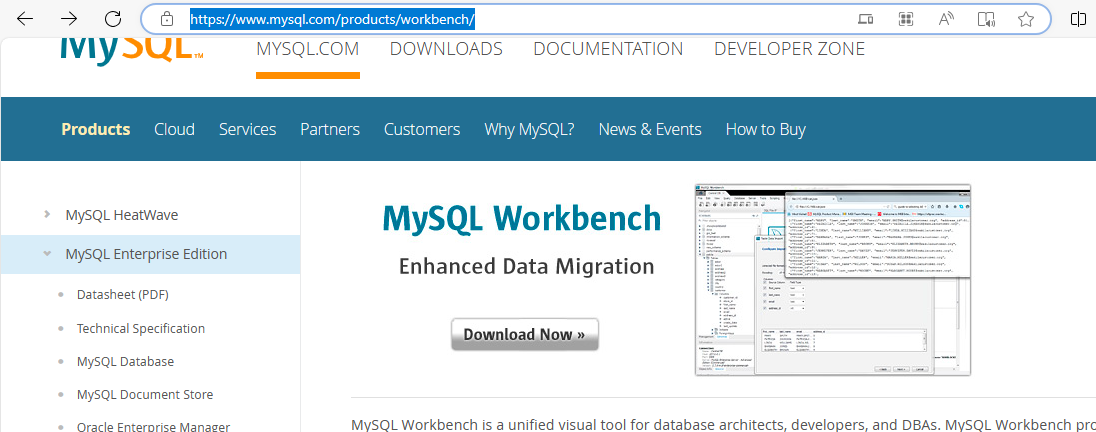
Copy the Endpoint

Endpoint: database-1.cbcwa4kygaeq.us-east-1.rds.amazonaws.com

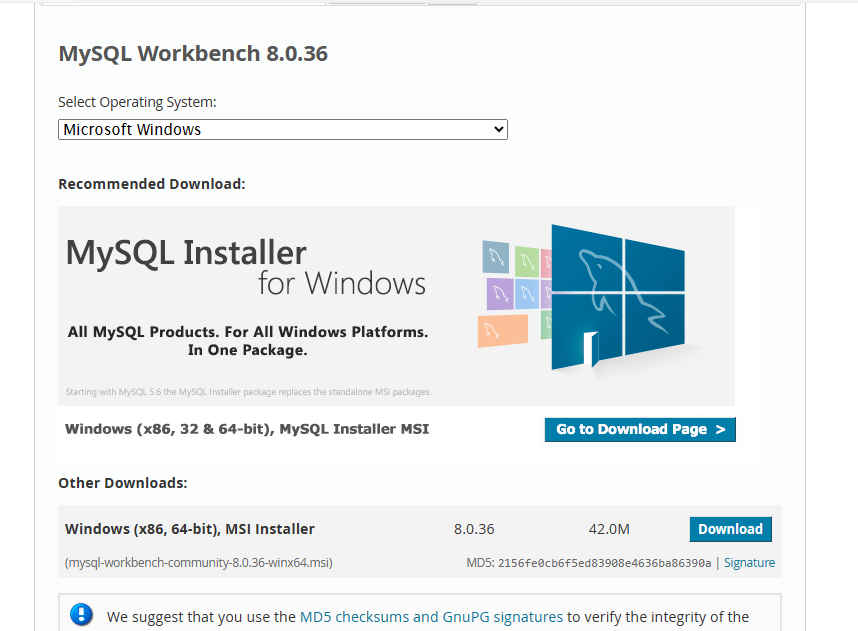
This endpoint we are using it to connect from MySQL client.

# [MySQL :: MySQL Workbench](https://www.mysql.com/products/workbench/) download

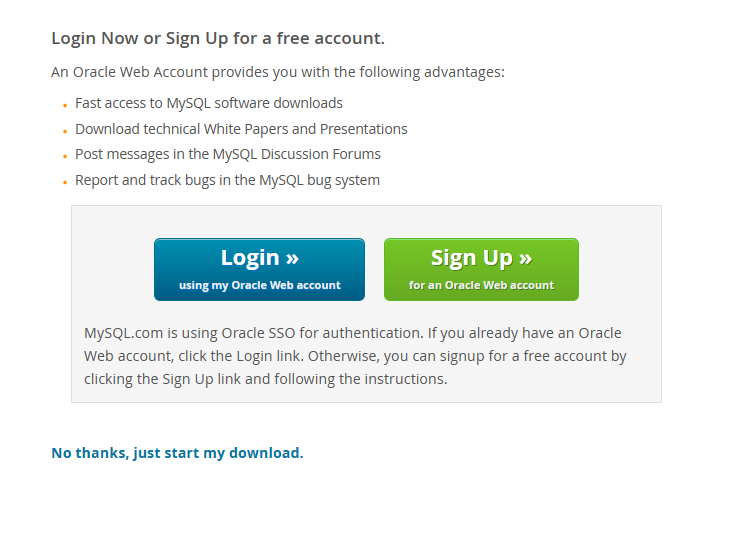
<https://www.mysql.com/products/workbench/>



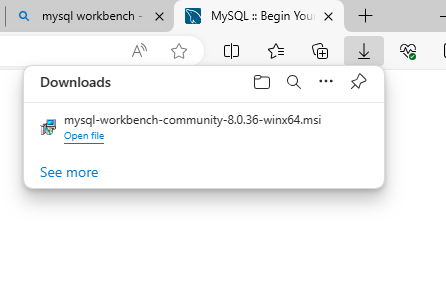
Click on Download Now



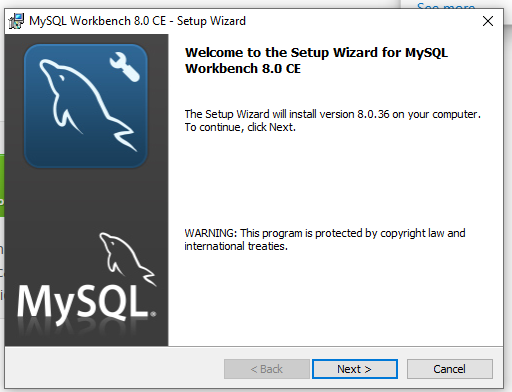
Click on Download button



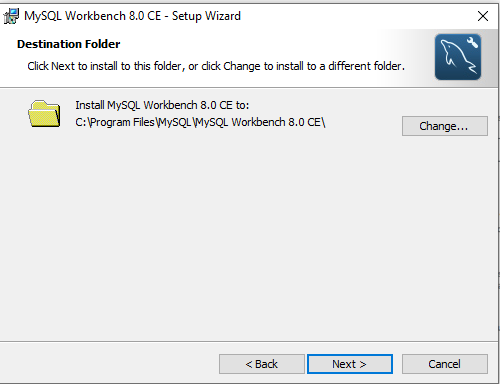
**Click here to download with login :** [**No thanks, just start my download.**](https://dev.mysql.com/get/Downloads/MySQLGUITools/mysql-workbench-community-8.0.36-winx64.msi)



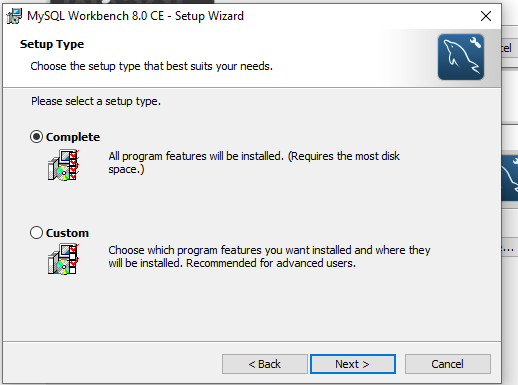
The download mysql client will be available in downloads, then double click on .msi file



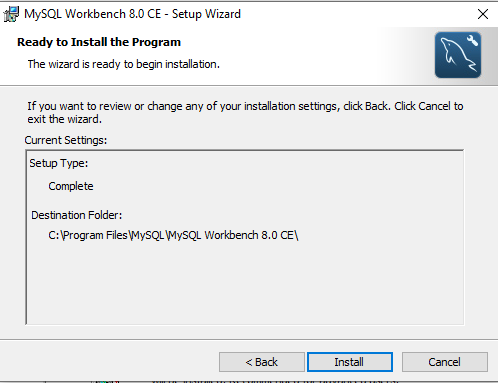
Click on Next



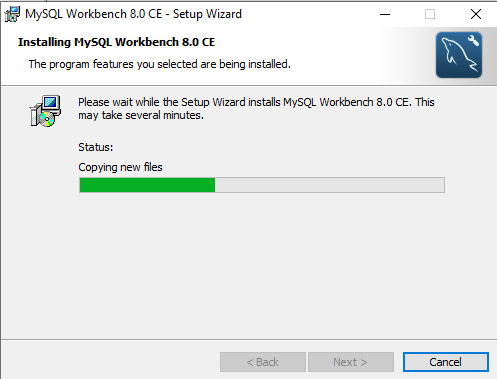
Click on Next



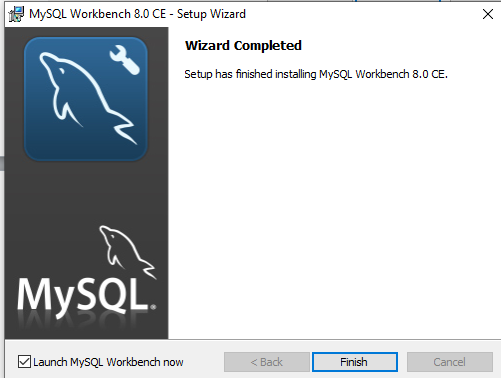
Click on Next



Click on Install

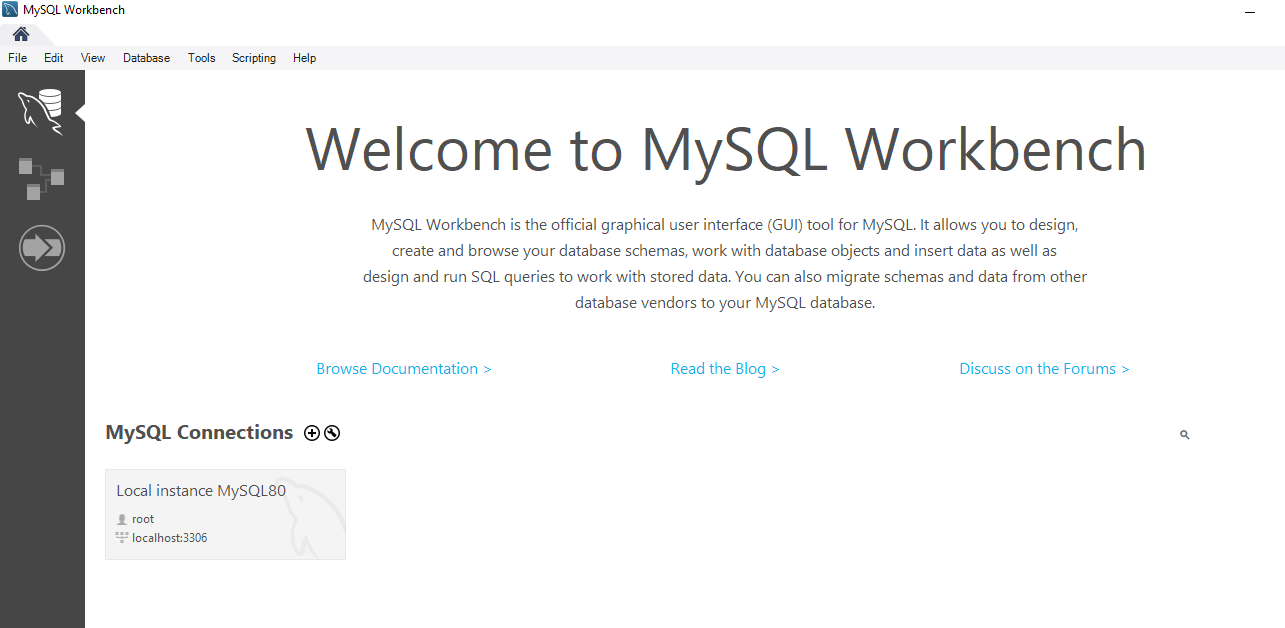


Wait till Finish button shows

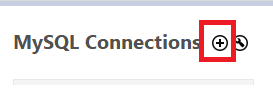


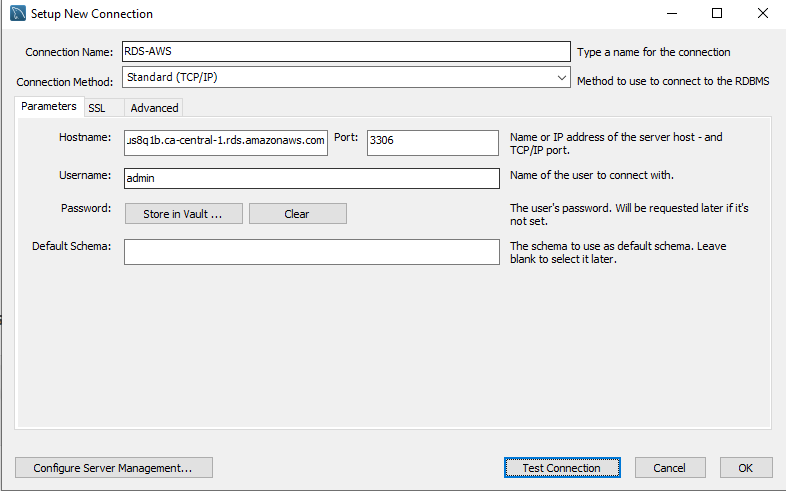
Click on Finish

# Now launch the mysql workbench to connect AWS RDS

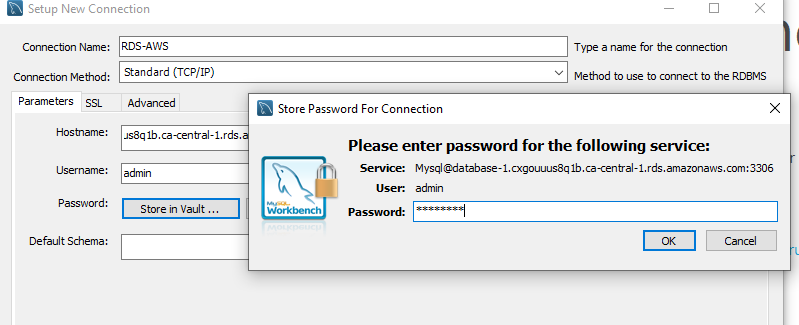


Click on MySQL connections + symbol to configure our RDS mysql db

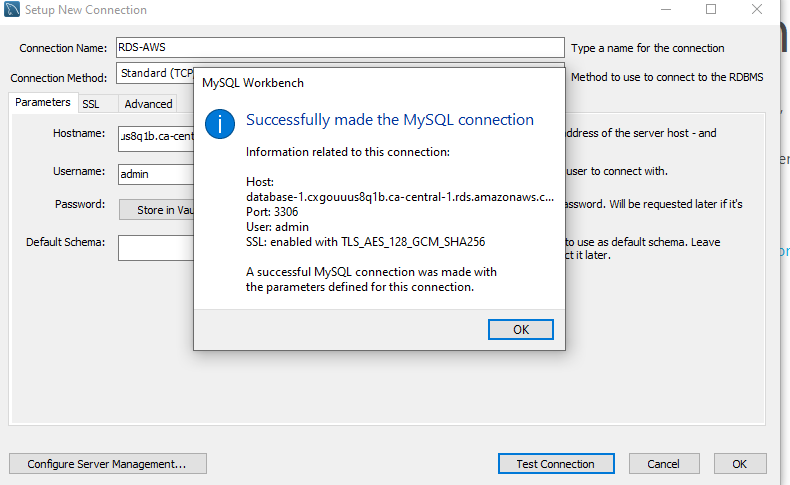




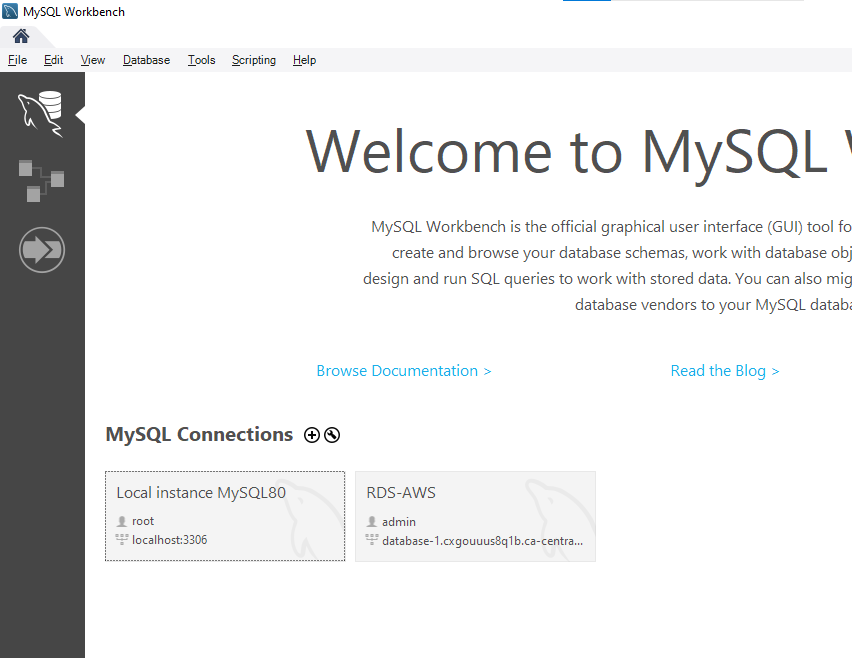
Click on the Store in Vault to enter the password



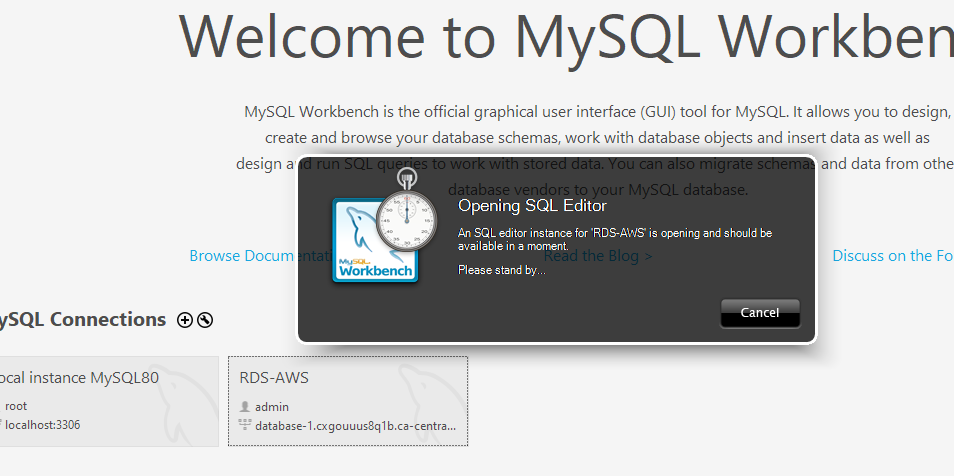
Click on OK and then click on Test connection.

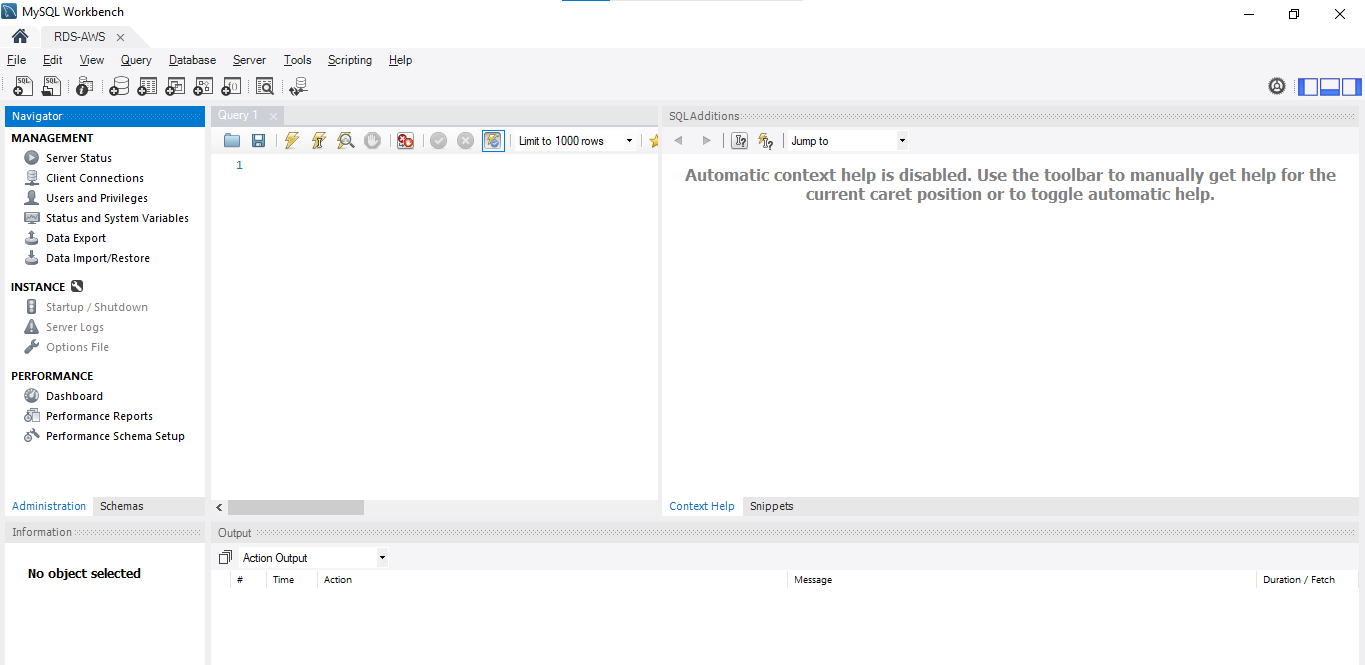


Connection got successful

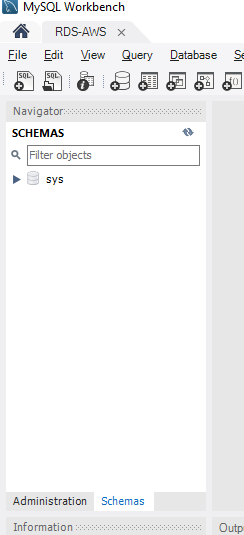


Click on our RDS-AWS db to create database and tables.



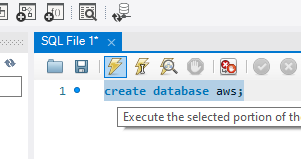


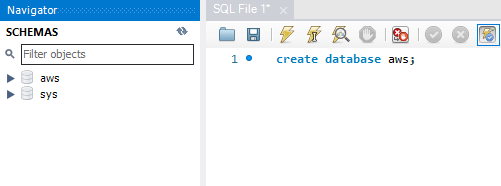
Click on Schemas to see the databases.



# Create Database, Table and rows

Click on the execute query button

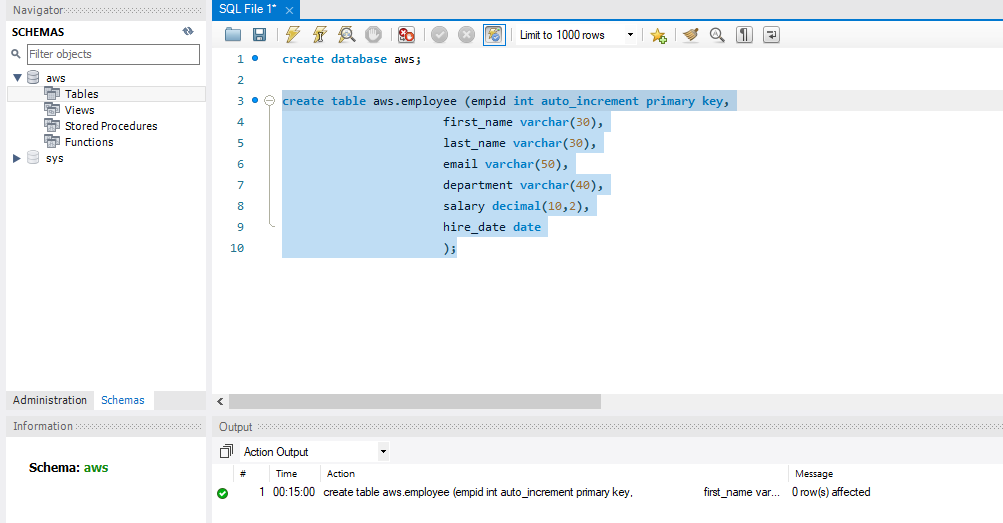


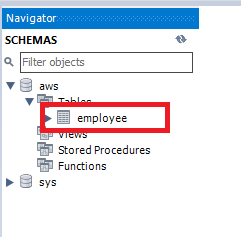


Aws db created

Run the below query to create a table in aws db

|  |
| --- |
| create table aws.employee (empid int auto\_increment primary key,  first\_name varchar(30),  last\_name varchar(30),  email varchar(50),  department varchar(40),  salary decimal(10,2),  hire\_date date  ); |





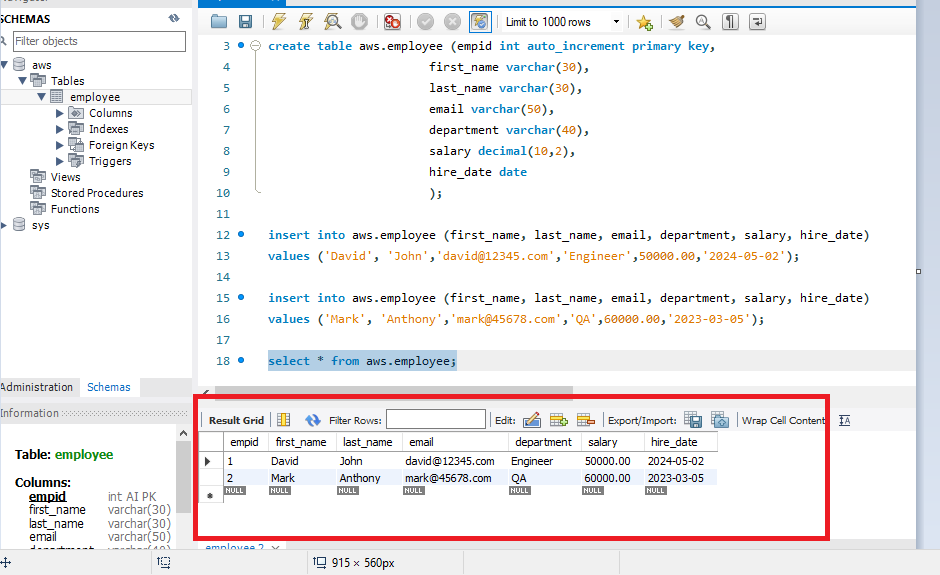
Employee table created

Run the below 2 query to insert the data and

|  |
| --- |
| insert into aws.employee (first\_name, last\_name, email, department, salary, hire\_date)  values ('David', 'John','david@12345.com','Engineer',50000.00,'2024-05-02');  insert into aws.employee (first\_name, last\_name, email, department, salary, hire\_date)  values ('Mark', 'Anthony','mark@45678.com','QA',60000.00,'2023-03-05'); |

Run the below query to view the data

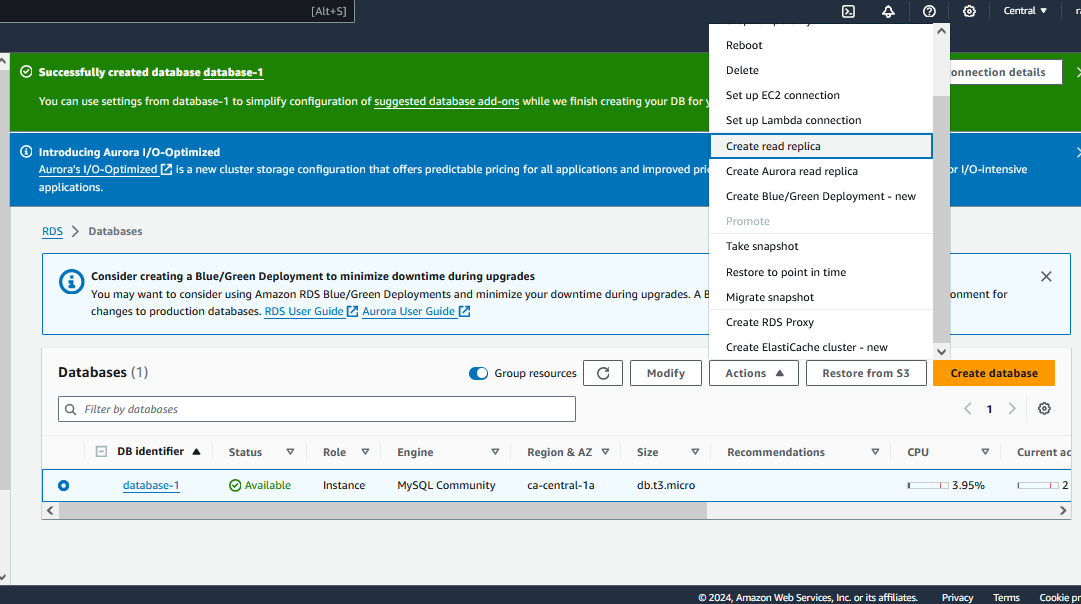
|  |
| --- |
| select \* from aws.employee; |

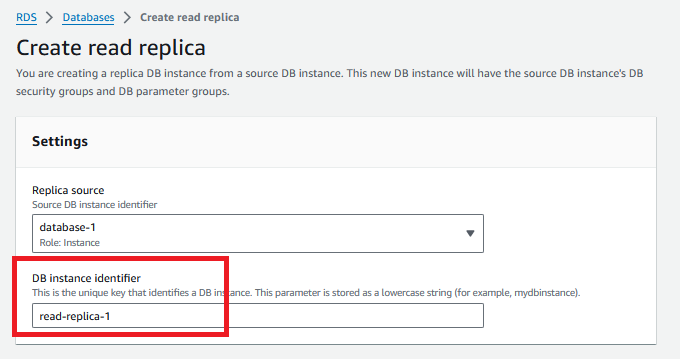


Now we able to see the data in employee table

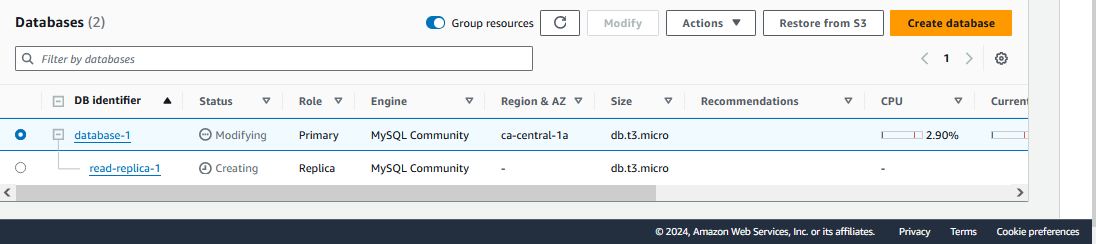
# Create Read Replica from Master Data Base:

Select database and click on read replica

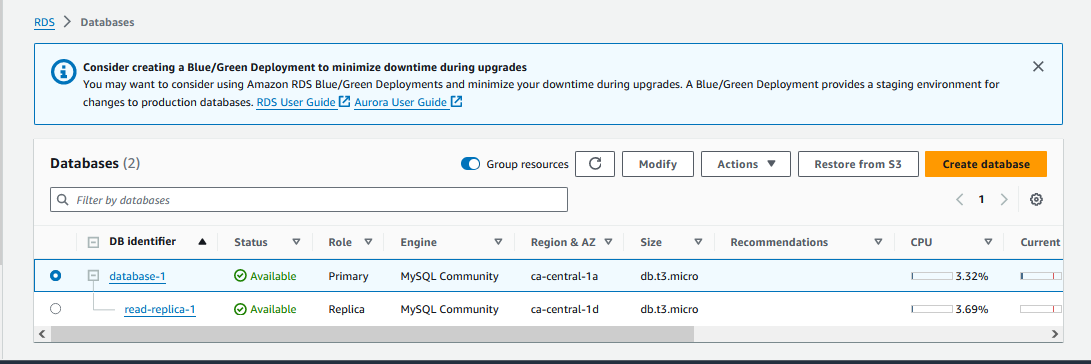




Provide read-replica-1 and the click on create read replica button

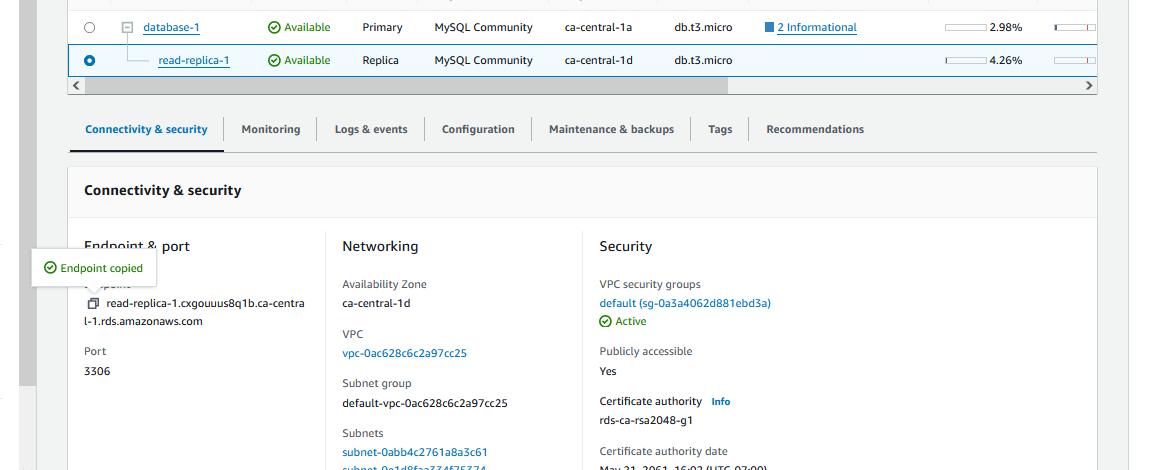


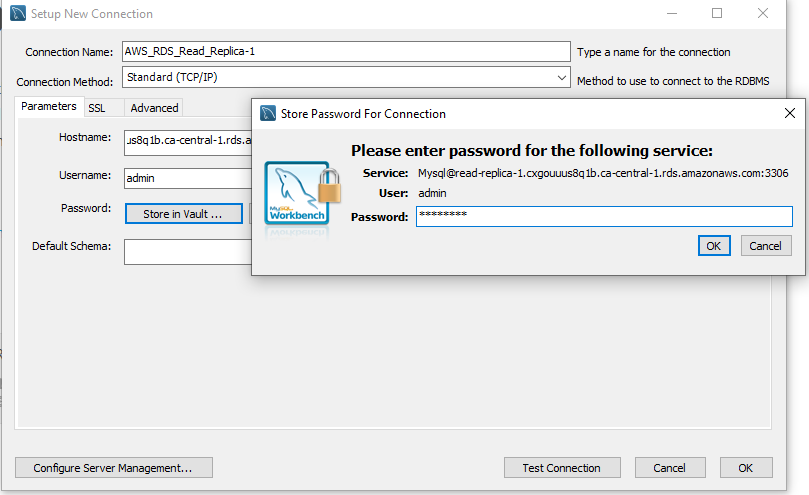
Lets wait for up and running

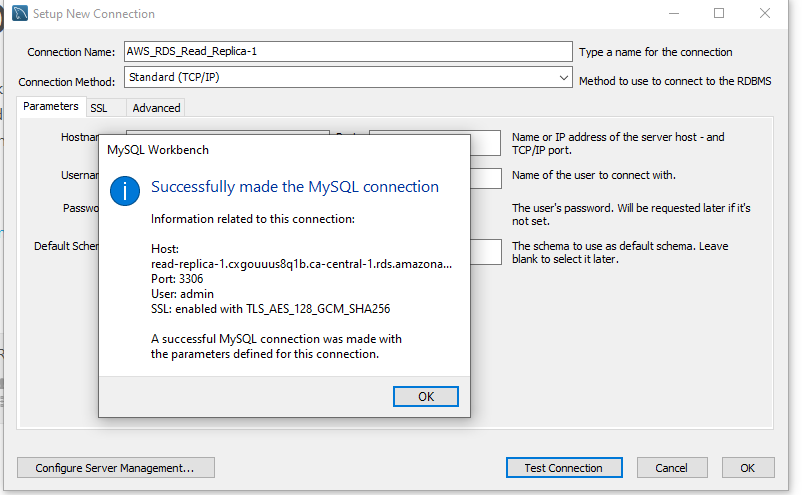


Both replica and Primary db available

Open read-replica-1 to copy the endpoint to connect through mysql client.

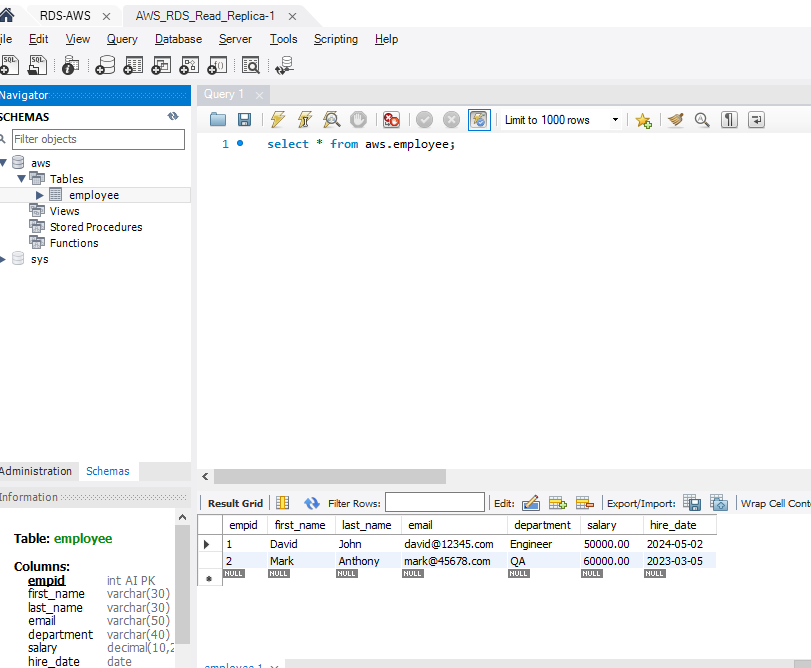








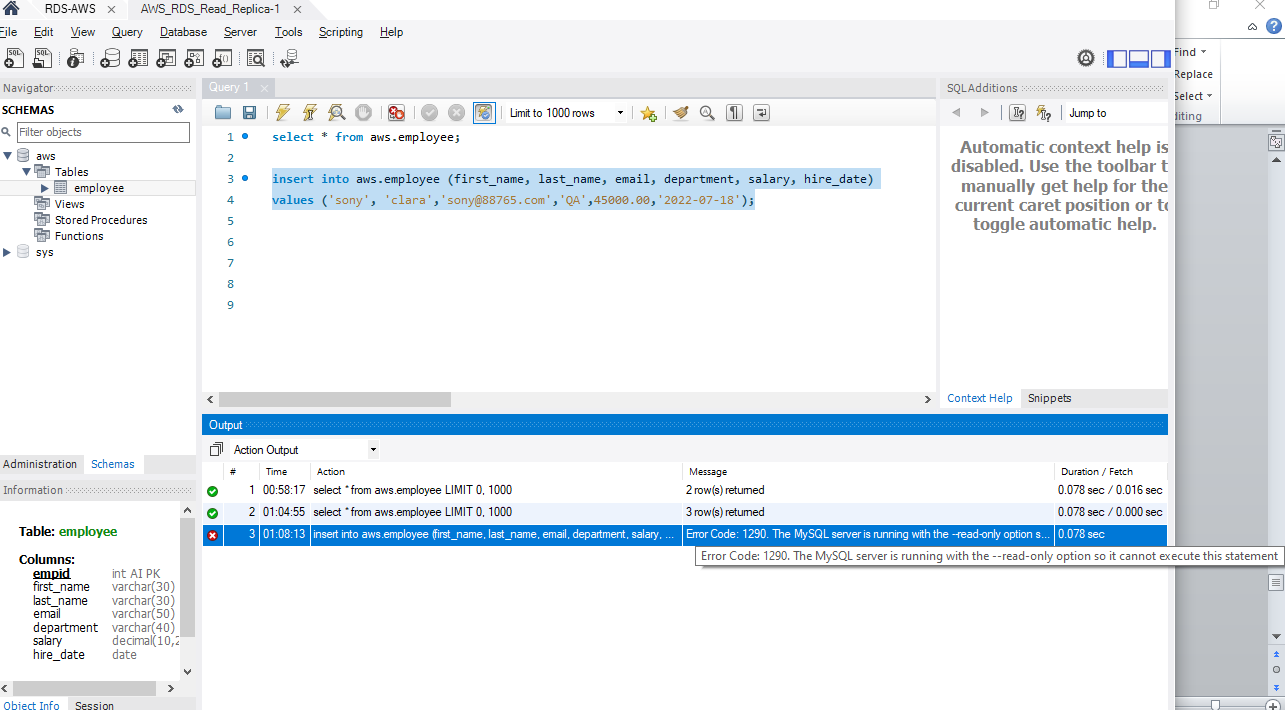
All table info available in read-replica-1 without creating any data.



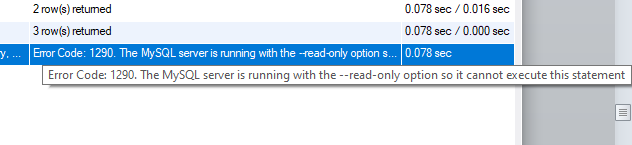
Create 3rd record in Master db

|  |
| --- |
| insert into aws.employee (first\_name, last\_name, email, department, salary, hire\_date)  values ('Honey', 'Mony','honey@88765.com','QA',66000.00,'2022-08-22'); |

Now try to create 4th record in read-replica-1, lets see..

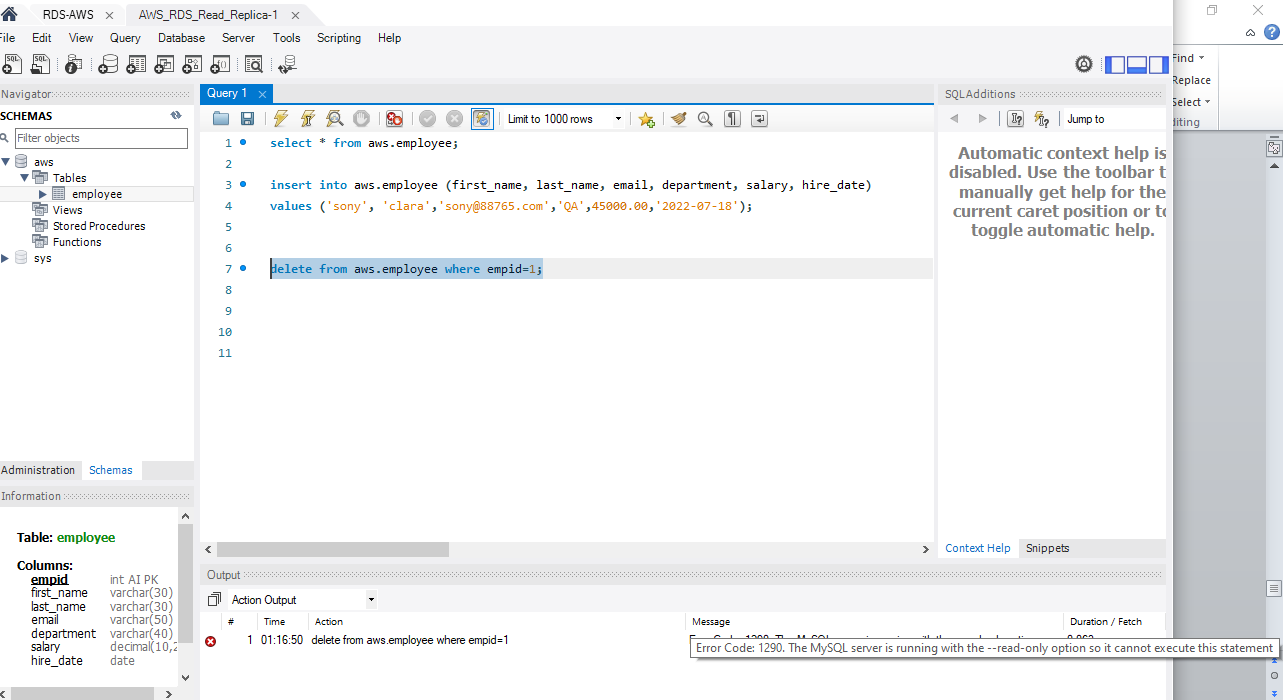


Error:

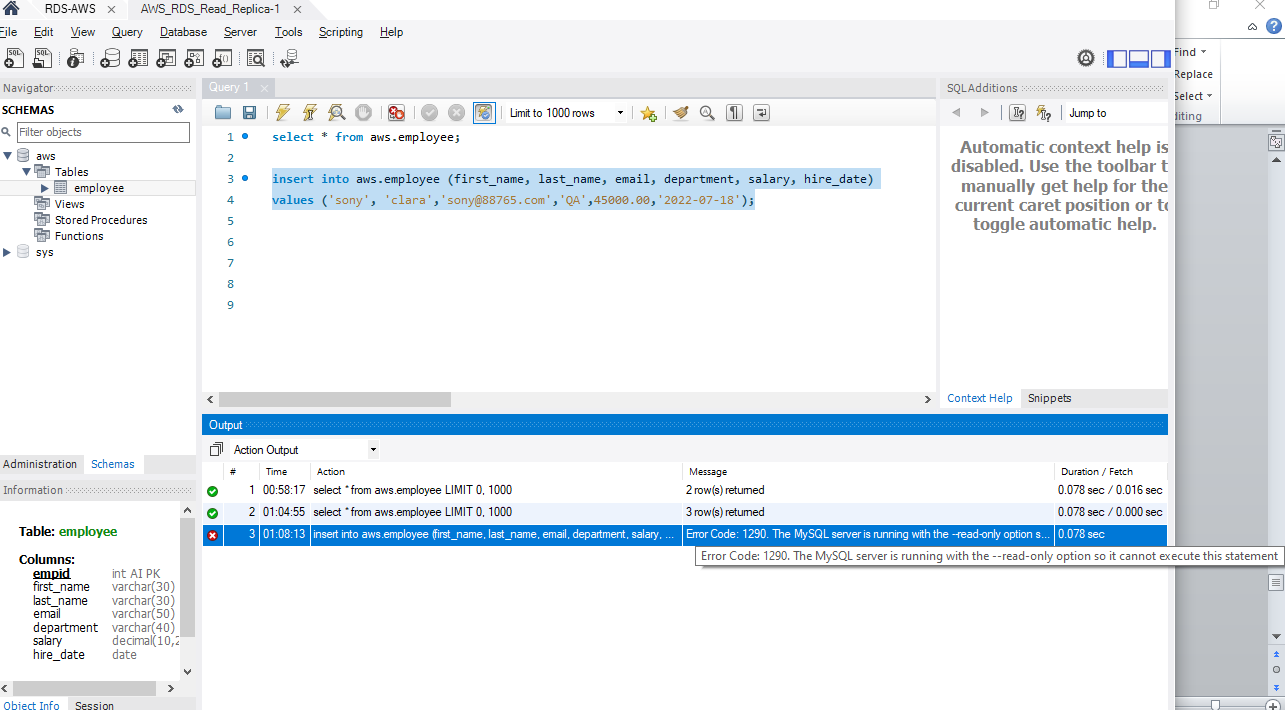


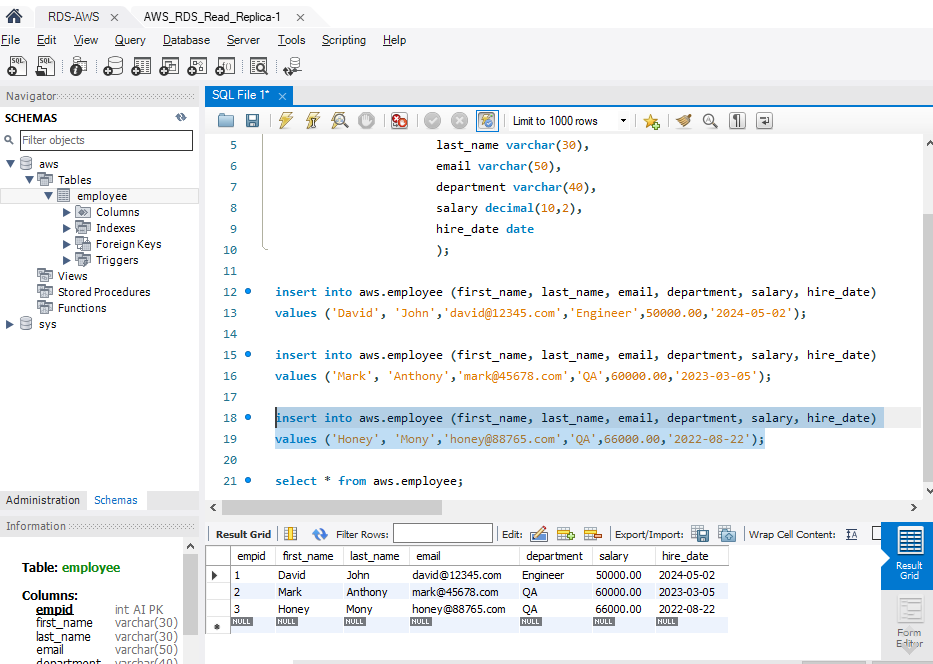
By seeing this error we have no access to execute insert, delete queries in read-replica-1

Try to delete a row from read-replica-1, lets see



Delete query also not having the permission in read-replica-1 db.





The master data immediately reflecting into read-replica-1 db

