

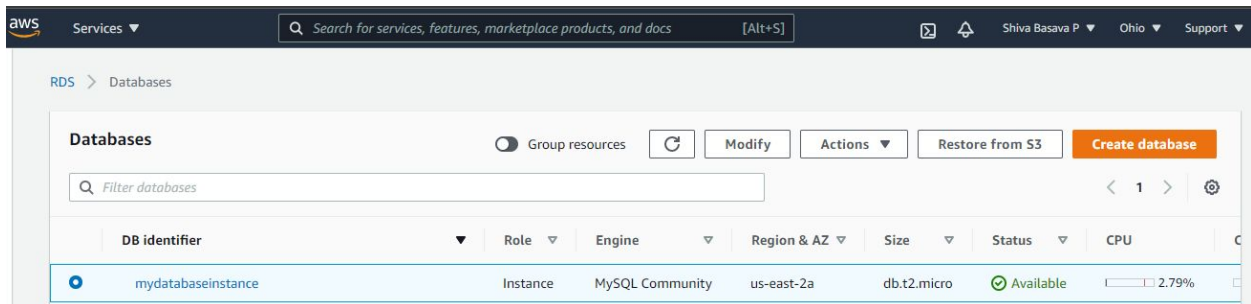
Assignment Solution Day 13 & 14

1. Question 1: Working with RDS

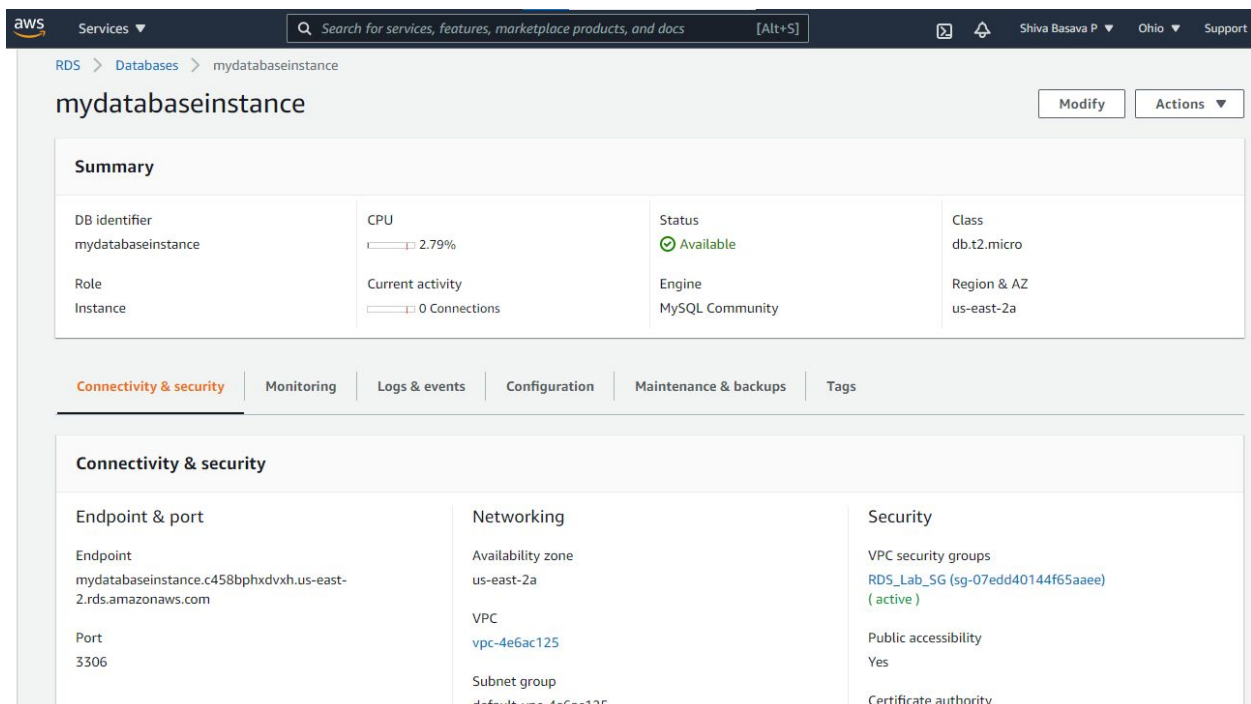
I. Task 1: Create an RDS Database Instance

Following are the screenshots,

A. Db instance page



B. DB instance details



The screenshot displays the 'Instance' details page for an Amazon RDS database instance. The page is organized into four main sections: Configuration, Instance class, Storage, and Performance Insights.

Configuration	Instance class	Storage	Performance Insights
DB instance id mydatabaseinstance	Instance class db.t2.micro	Encryption Not Enabled	Performance Insights enabled No
Engine version 8.0.20	vCPU 1	Storage type General Purpose (SSD)	
DB name mydatabase	RAM 1 GB	IOPS -	
License model General Public License	Availability	Storage 20 GiB	
Option groups default:mysql-8-0	Master username mydatabaseuser	Storage autoscaling Disabled	
Amazon Resource Name (ARN) arn:aws:rds:us-east-2:973501320577:db:mydatabaseinstance	IAM db authentication Not Enabled		
Resource id db-WG4QETGLJPCGT44UDIOJDHXUWA	Multi AZ No		
Created time Fri Dec 18 2020 23:00:11 GMT+0530 (India Standard Time)	Secondary Zone -		

C. Security group inbound rules+multiple changes made to a security group

The screenshot displays the 'Security Groups' page in the AWS Management Console. It shows a list of security groups and the details for a specific group named 'RDS_Lab_SG'.

Name	Security group ID	Security group name	VPC ID	Description	Owner
-	sg-07edd40144f65aaee	RDS_Lab_SG	vpc-4e6ac125	RDS_Lab_SG	973501320577

Details

Security group name	Security group ID	Description	VPC ID
RDS_Lab_SG	sg-07edd40144f65aaee	RDS_Lab_SG	vpc-4e6ac125

Owner	Inbound rules count	Outbound rules count
973501320577	3 Permission entries	1 Permission entry

The screenshot shows the AWS Management Console interface for Security Groups. The top navigation bar includes the AWS logo, 'Services' dropdown, a search bar, and user information. The main content area is titled 'Security Groups (1/5)' and includes a 'Create security group' button. A table lists the security groups, with 'sg-07edd40144f65aaee' (RDS_Lab_SG) selected. Below the table, the 'Inbound rules' tab is active, showing a table of rules for the selected security group.

Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22	172.31.34.194/32	-
MYSQL/Aurora	TCP	3306	0.0.0.0/0	-
MYSQL/Aurora	TCP	3306	::/0	-

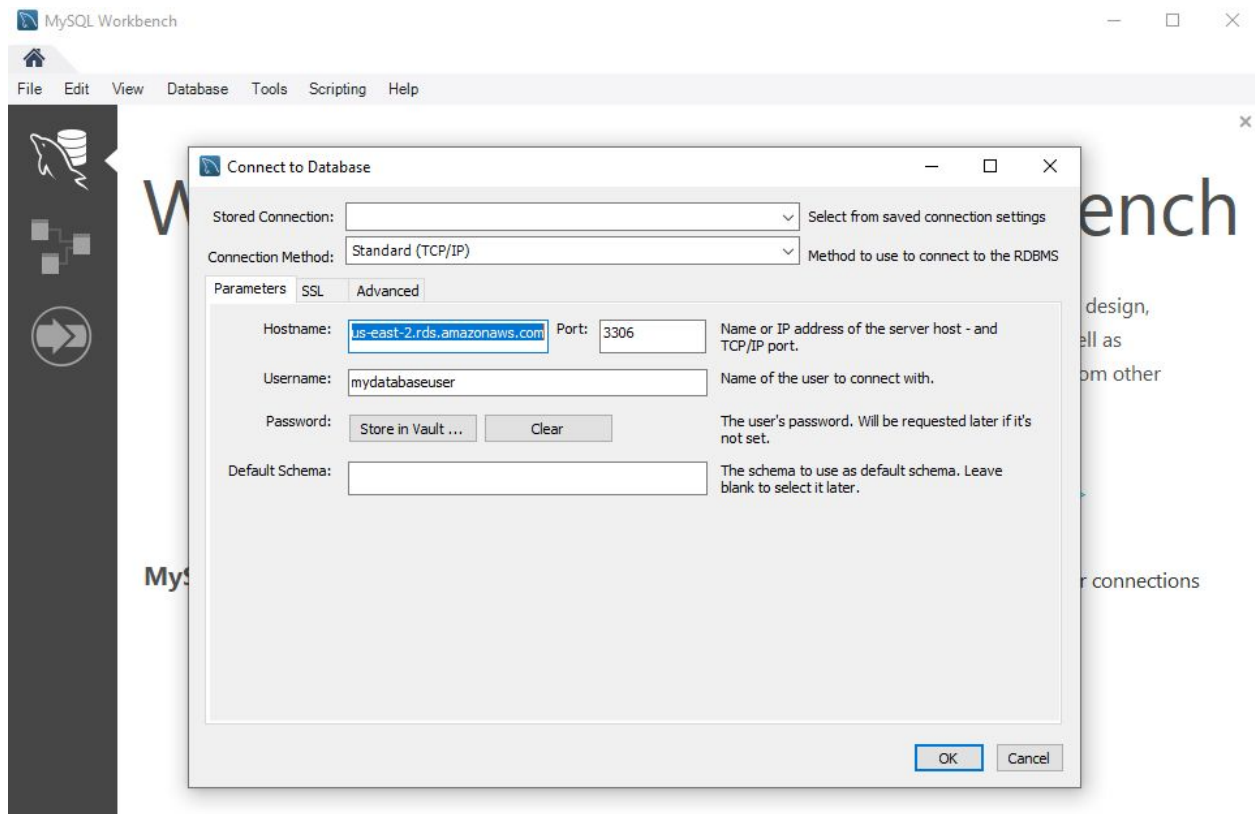
The screenshot shows the AWS Management Console interface for Security Groups, specifically the 'Outbound rules' tab for the selected security group 'sg-07edd40144f65aaee' (RDS_Lab_SG). The table below shows the outbound rules.

Type	Protocol	Port range	Destination	Description - optional
All traffic	All	All	0.0.0.0/0	-

II. Task 2: Connecting to RDS Database on a DB Instance using the MySQL Workbench

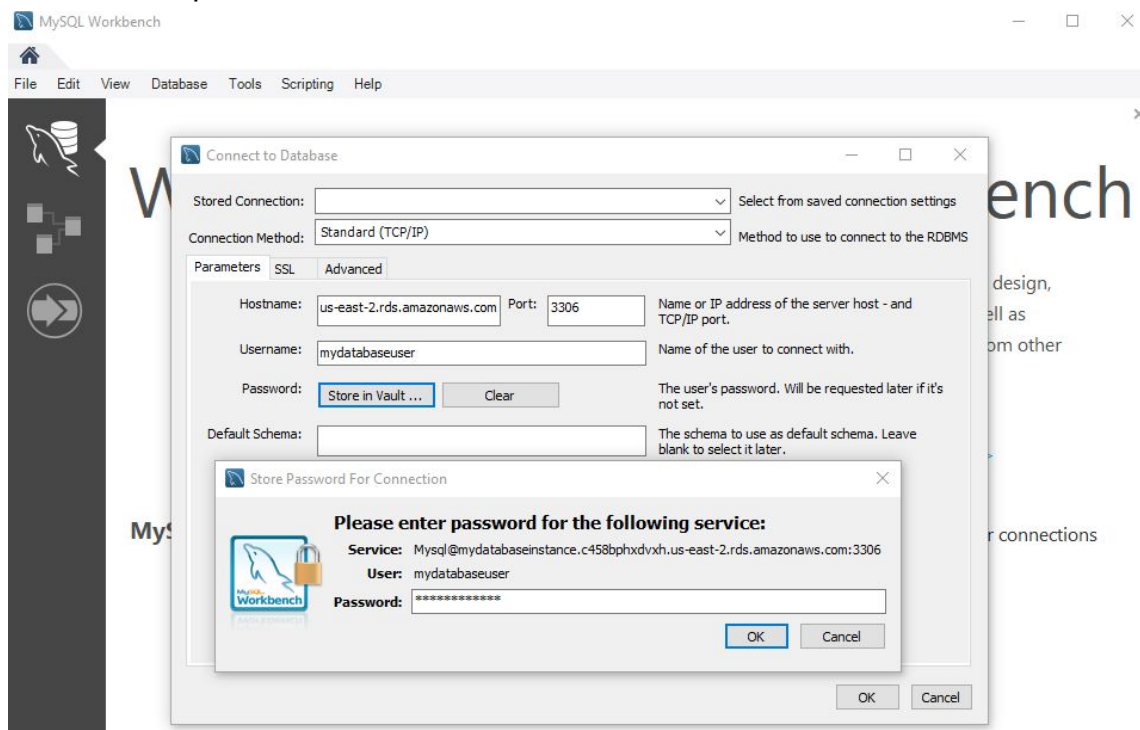
A. Sql workbench endpoint added

Provided database name - **mydatabase** and the hostname/Endpoint for the database - **Mydatabaseinstance.c458bphxdvxh.us-east-2.rds.amazonaws.com** (Port will be default **3306**)



B. Secret vault entry

Provided the password to the database.



III. Task 3: Test Connection

A. Confirm connectivity screen

Tested the connectivity to the database from MySQL workbench.

