

AWS DAY 13 & 14 ASSIGNMENT

Question 1: Working with RDS

Task 1: Create an RDS Database Instance

Ss1: Db instance page

The screenshot shows the 'Create database instance' page in the AWS Management Console. The page is titled 'Storage autoscaling' and 'Settings'. Under 'Storage autoscaling', there is a checkbox for 'Enable storage autoscaling' which is currently unchecked. The 'Settings' section includes fields for 'DB instance identifier' (set to 'mydatabaseinstance'), 'Master username' (set to 'mydatabaseuser'), and 'Master password' (masked with asterisks). There is also a 'Confirm password' field. The page has 'Cancel', 'Previous', and 'Next' buttons at the bottom.

The screenshot shows the 'Create database instance' page in the AWS Management Console, indicating that the database instance has been successfully created. A green checkmark icon is displayed next to the text 'Your DB instance is being created.' Below this, a note states: 'Note: Your instance may take a few minutes to launch.' The page also includes a section titled 'Connecting to your DB instance' with instructions on how to connect to the instance using a SQL client application or utility. At the bottom, there are links for 'All DB instances' and 'View DB instance details'.

Ss2: DB instance details

The screenshot shows the Amazon RDS console interface. The left sidebar contains navigation links for Dashboard, Databases, Query Editor, Performance Insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom Availability Zones, Events, Event subscriptions, Recommendations, and Certificate update. The main content area displays the details for the 'mydatabaseinstance'.

Summary

DB identifier	CPU	Status	Class
mydatabaseinstance	2.33%	Available	db.t2.micro
Role	Current activity	Engine	Region & AZ
Instance	0 Connections	MySQL Community	us-east-1b

Connectivity & security

Endpoint & port	Networking	Security
Endpoint: mydatabaseinstance.ct1ptddidhx.us-east-1.rds.amazonaws.com Port: 3306	Availability zone: us-east-1b VPC: vpc-92ca0aef	VPC security groups: RDS_lab_sg (sg-0a2366a0aafec09e3) (active) Public accessibility: Yes

Ss3: Security group inbound rules+multiple changes made to a security group

The screenshot shows the 'Create security group' wizard in the Amazon RDS console. The wizard is titled 'Create security group' and includes a brief description: 'A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.'

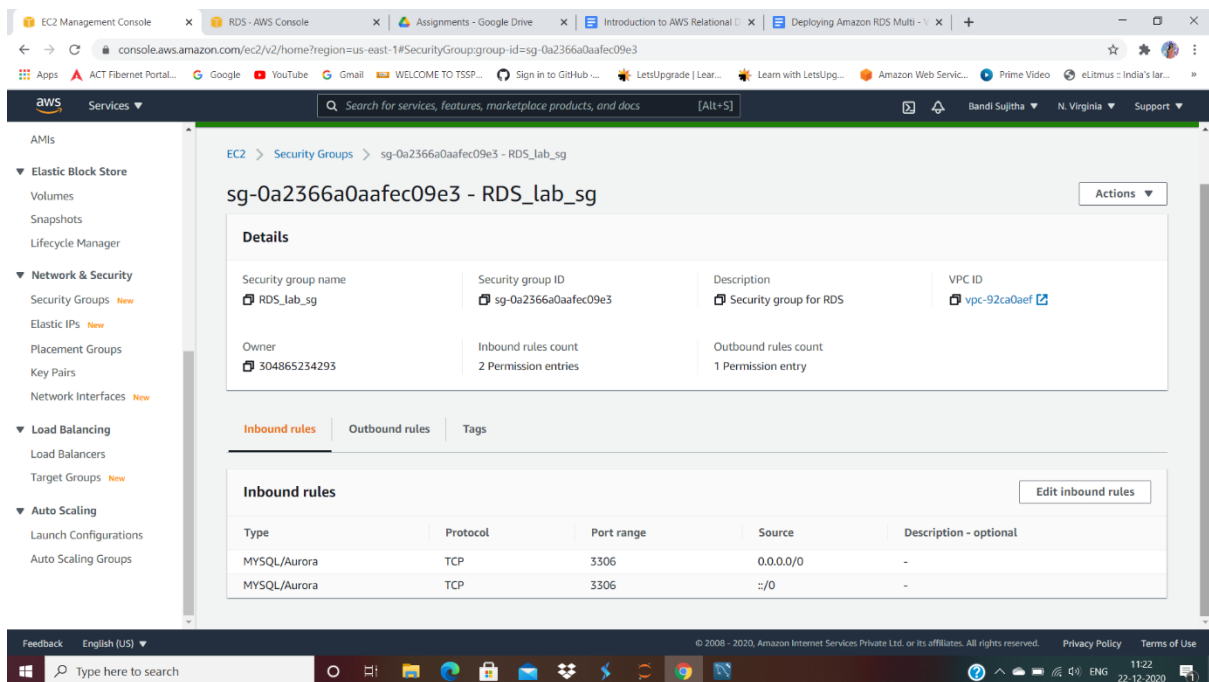
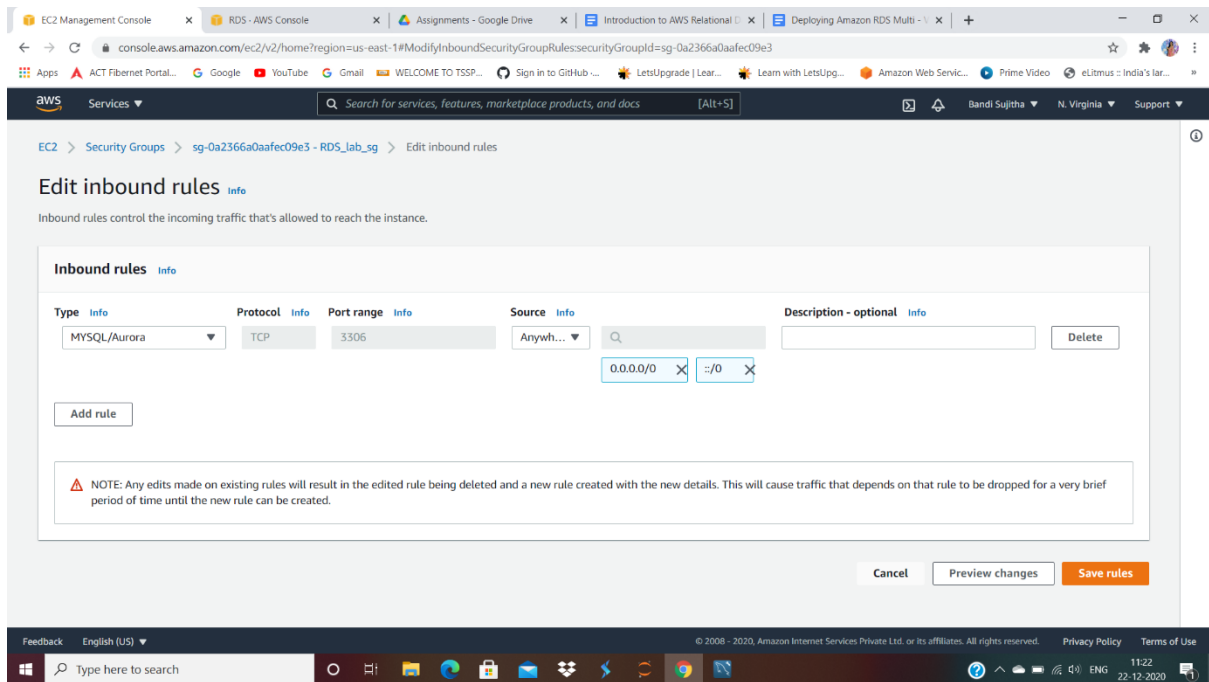
Basic details

Security group name: RDS_lab_sg
Description: Security group for RDS
VPC: vpc-92ca0aef

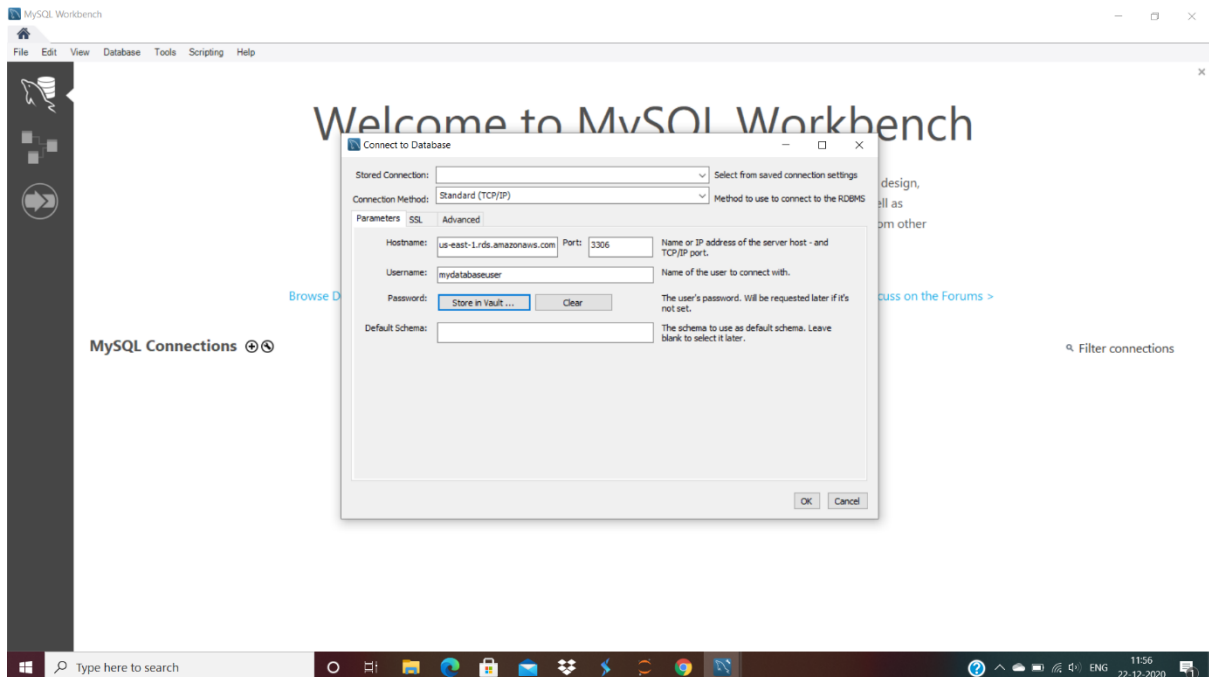
Inbound rules

Type	Protocol	Port range	Source	Description - optional
MySQL/Aurora	TCP	3306	Custom 0.0.0.0/0	

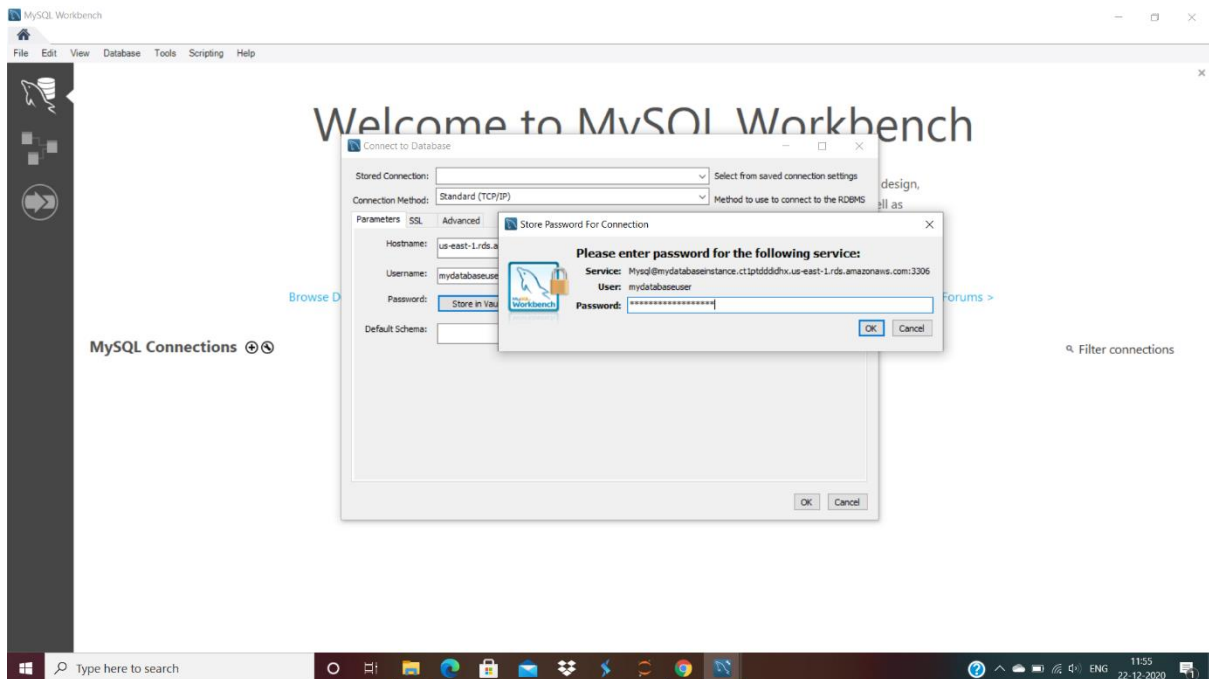
Buttons: Add rule, Delete



Ss4: Sql workbench endpoint added



Ss5: Secret vault entry



Ss6: Confirm connectivity screen

