

# 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 AWS RDS console 'Settings' page. At the top, there is a checkbox for 'Enable storage autoscaling' with a description: 'Enabling this feature will allow the storage to increase once the specified threshold is exceeded.' Below this is the 'Settings' section. It includes a 'DB instance identifier' field with the value 'mydatabaseinstance' and a description: 'Specify a name that is unique for all DB instances owned by your AWS account in the current region. DB instance identifier is case insensitive, but stored as all lower-case, as in "mydbinstance". Must contain from 1 to 63 alphanumeric characters or hyphens (1 to 15 for SQL Server). First character must be a letter. Cannot end with a hyphen or contain two consecutive hyphens.' The 'Master username' field has the value 'mydatabaseuser' and a description: 'Specify an alphanumeric string that defines the login ID for the master user. Master Username must start with a letter. Must contain 1 to 16 alphanumeric characters.' The 'Master password' and 'Confirm password' fields are both masked with asterisks. A note at the bottom states: 'Master Password must be at least eight characters long, as in "mypassword". Can be any printable ASCII character except "/", " ", or "@".' The bottom of the screenshot shows the Windows taskbar with the time 11:12 on 22-12-2020.

The screenshot shows the AWS RDS console 'Connecting to your DB instance' page. At the top, there is a blue banner with the text 'Switch to the new database creation flow.' and a 'Share your feedback' button. Below this is a green box with a checkmark icon and the text: 'Your DB instance is being created. Note: Your instance may take a few minutes to launch.' The 'Connecting to your DB instance' section contains the text: 'Once Amazon RDS finishes provisioning your DB instance, you can use a SQL client application or utility to connect to the instance. Learn about connecting to your DB instance'. At the bottom, there are two buttons: 'All DB instances' and 'View DB instance details'. The bottom of the screenshot shows the Windows taskbar with the time 11:15 on 22-12-2020.

## Ss2: DB instance details

The screenshot shows the AWS RDS console interface. The browser address bar displays the URL: `console.aws.amazon.com/rds/home?region=us-east-1&lw=classic#dbinstance:id=mydatabaseinstance`. The page title is "mydatabaseinstance".

**Summary**

Engine	DB instance class	DB instance status	Pending maintenance
MySQL 8.0.20	db.t2.micro	creating	none

**CloudWatch (18)**

Legend: mydatabaseinstance

CPU Utilization (Percent)

Time	CPU Utilization (Percent)
1	0.75
0.75	0.5
0.5	0.25
0.25	0
0	0

DB Connections (Count)

Time	DB Connections (Count)
1	0.75
0.75	0.5
0.5	0.25
0.25	0
0	0

Windows taskbar at the bottom shows the date and time as 11:16 on 22-12-2020.

The screenshot shows the AWS RDS console interface. The browser address bar displays the URL: `console.aws.amazon.com/rds/home?region=us-east-1#databaseid=mydatabaseinstanceis-cluster=false`. The page title is "Amazon RDS".

**Summary**

DB identifier	CPU	Status	Class
mydatabaseinstance	2.07%	Available	db.t2.micro

**Role**

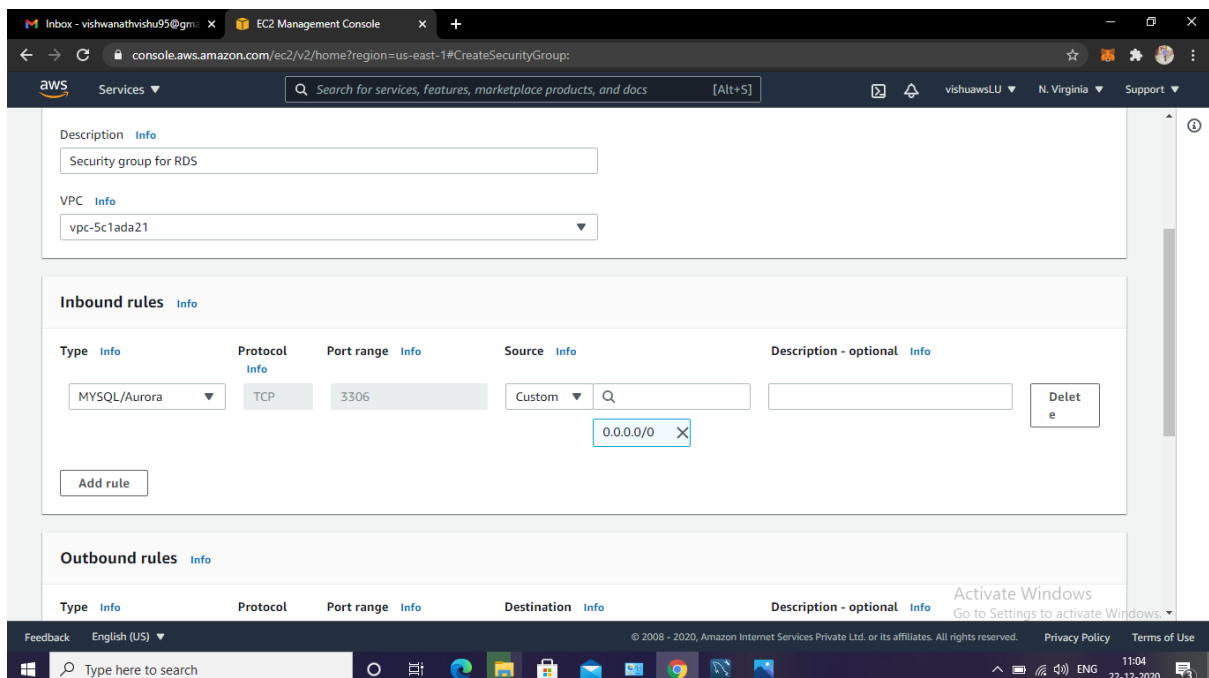
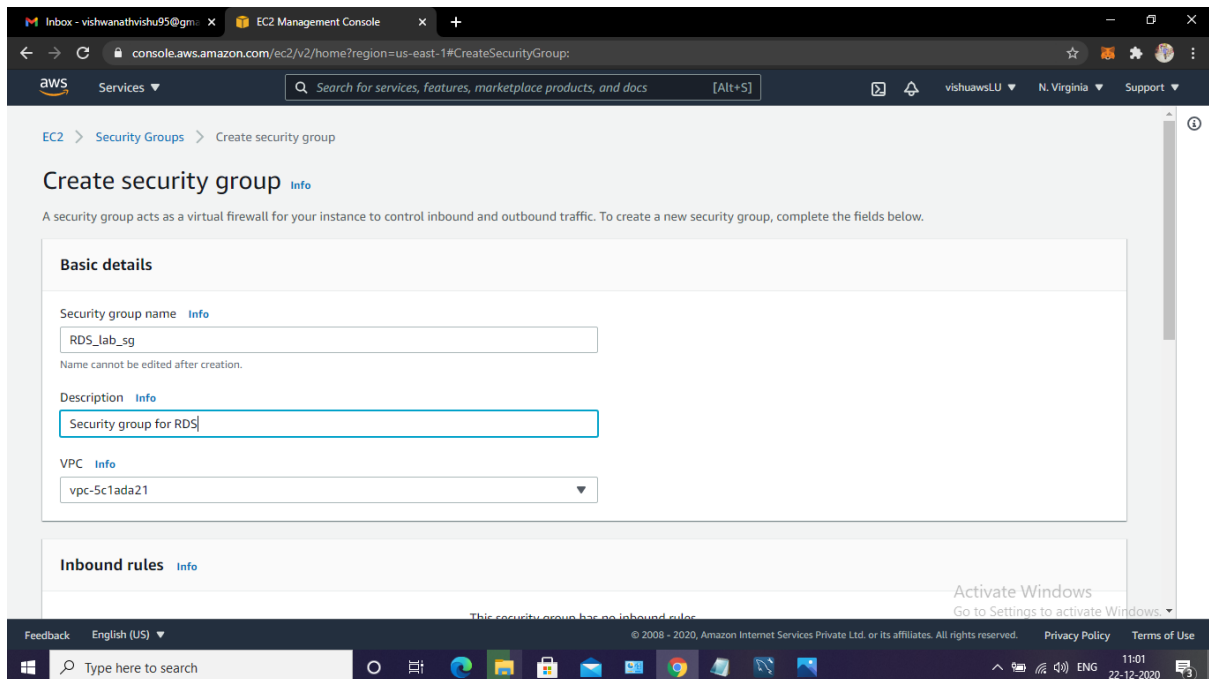
Role	Current activity	Engine	Region & AZ
Instance	0 Connections	MySQL Community	us-east-1f

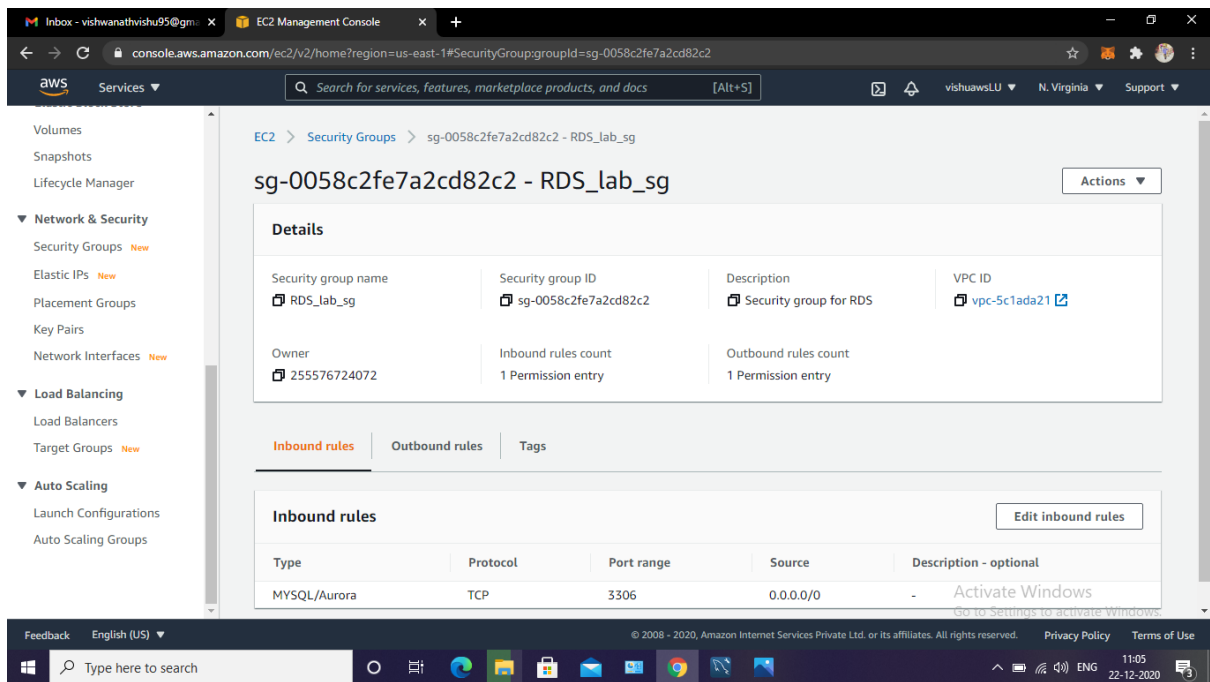
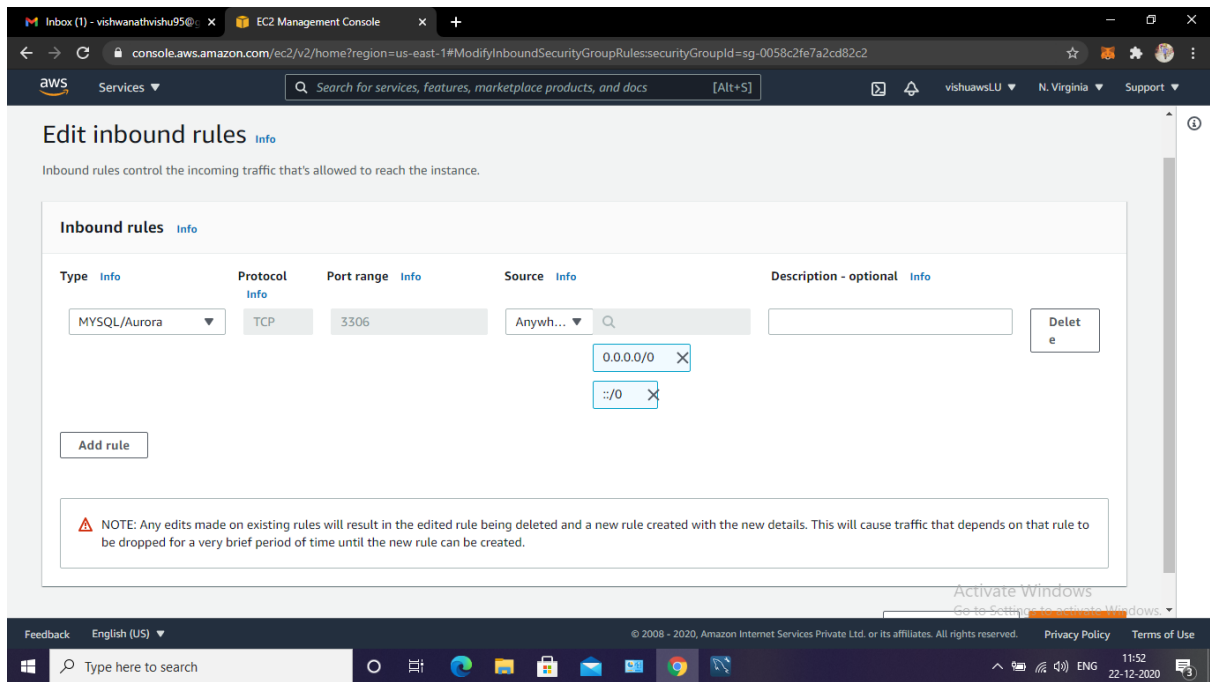
**Connectivity & security**

Endpoint & port	Networking	Security
Endpoint mydatabaseinstance.civbptj68fvk.us-east-1.rds.amazonaws.com Port 3306	Availability zone us-east-1f VPC vpc-5c1ada21 Subnet group	VPC security groups RDS_lab_sg (sg-0058c2fe7a2cd82c2) (active) Public accessibility No

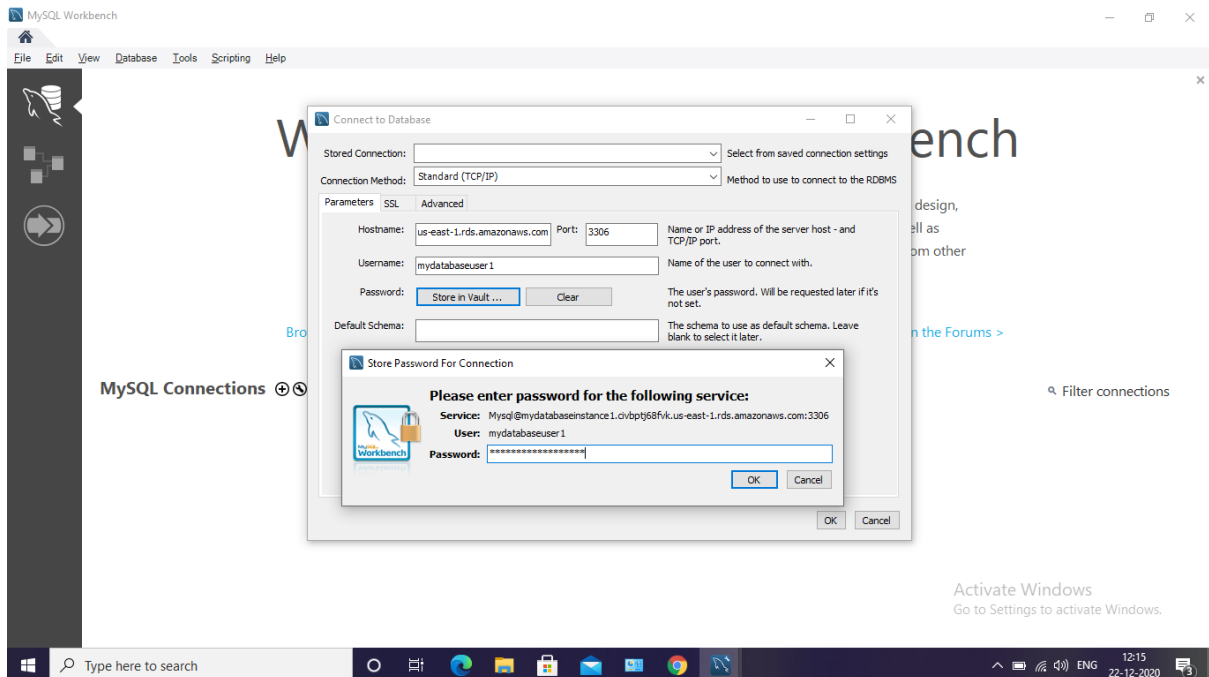
Windows taskbar at the bottom shows the date and time as 11:53 on 22-12-2020.

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

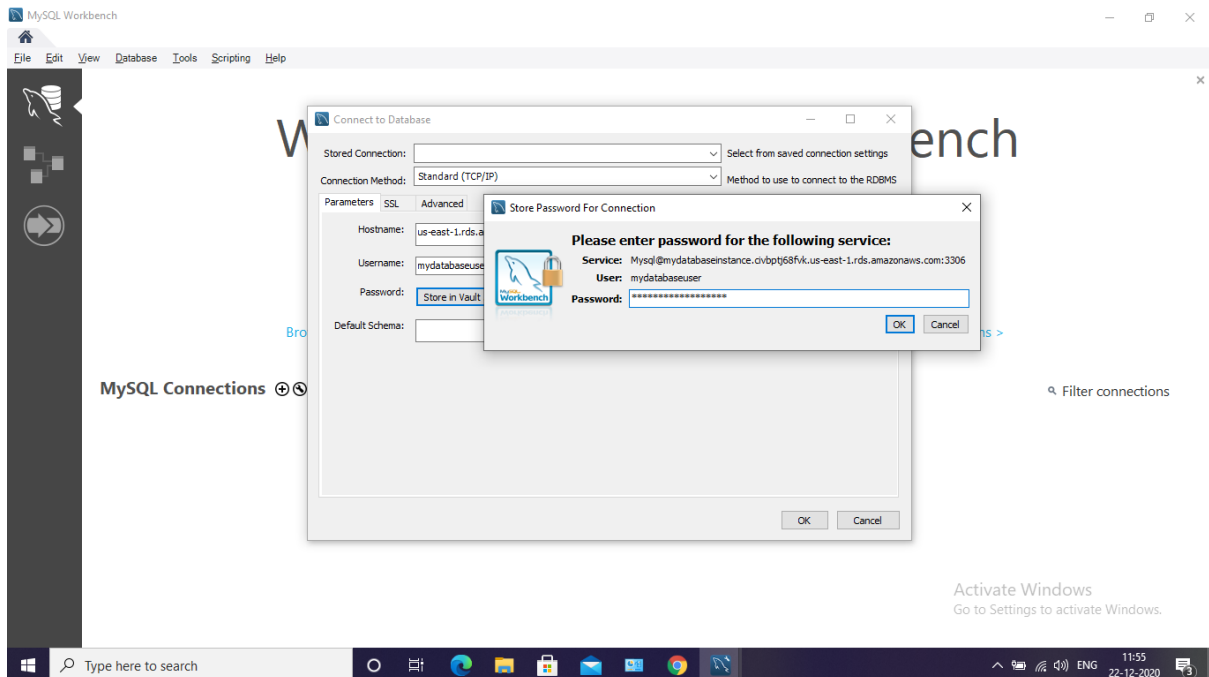




## Ss4: Sql workbench endpoint added



## Ss5: Secret vault entry



## Ss6: Confirm connectivity screen

