

# Advance AWS | Assignment Day 13 and 14

## Question 1: Working with RDS:

### Task 1: Create an RDS Database Instance

#### Ss1: Db instance page

The screenshot shows the Amazon RDS console interface. The left sidebar contains the navigation menu with options like Dashboard, Databases, Query Editor, Performance Insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Custom Availability Zones, Events, and Event subscriptions. The main content area is titled 'Databases' and shows a list of database instances. A table lists the instances with columns for DB identifier, Role, Engine, Region & AZ, and Size. One instance, 'database-1', is listed with Role 'Instance', Engine 'MySQL Community', Region & AZ 'us-east-1f', and Size 'db.t2.m'. Above the table are buttons for 'Group resources', 'Modify', 'Actions', 'Restore from S3', and 'Create database'. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 11:17 AM on 19-Dec-20.

#### Ss2: DB instance details

The screenshot shows the detailed view of the 'database-1' instance in the Amazon RDS console. The breadcrumb navigation at the top reads 'RDS > Databases > database-1'. The page title is 'database-1'. There are 'Modify' and 'Actions' buttons. A 'Summary' section displays key metrics: DB identifier 'database-1', CPU usage at 2.00%, Status as 'Available' with a green checkmark, Class 'db.t2.micro', Role 'Instance', Current activity at 0 Connections, Engine 'MySQL Community', and Region & AZ 'us-east-1f'. Below the summary are tabs for 'Connectivity & security', 'Monitoring', 'Logs & events', 'Configuration', 'Maintenance & backups', and 'Tags'. The 'Connectivity & security' tab is active, showing sub-sections for 'Endpoint & port', 'Networking', and 'Security'. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 11:18 AM on 19-Dec-20.

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console.aws.amazon.com/rds/home?region=us-east-1#database:id=database-1;is-cluster=false

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### Amazon RDS

- Dashboard
- Databases**
- Query Editor
- Performance Insights
- Snapshots
- Automated backups
- Reserved instances
- Proxies
- Subnet groups
- Parameter groups
- Option groups
- Custom Availability Zones
- Events
- Event subscriptions

### Connectivity & security

Endpoint & port	Networking	Security
<b>Endpoint</b> database-1.cw5lxnokxi8f.us-east-1.rds.amazonaws.com	<b>Availability zone</b> us-east-1f	<b>VPC security groups</b> RDS-Lab-SG (sg-0908cd6f5a62626cd) (active)
<b>Port</b> 3306	<b>VPC</b> vpc-d6b77cab	<b>Public accessibility</b> Yes
	<b>Subnet group</b> default-vpc-d6b77cab	<b>Certificate authority</b> rds-ca-2019
	<b>Subnets</b> subnet-c1a31ca7 subnet-6376b552 subnet-de358fff subnet-7e54ec21 subnet-2592e32b subnet-a6b6f9eb	<b>Certificate authority date</b> Aug 22nd, 2024

Security group rules (2)

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

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### Security group rules (2)

Filter security group rules

Security group	Type	Rule
RDS-Lab-SG (sg-0908cd6f5a62626cd)	CIDR/IP - Inbound	0.0.0.0/0
RDS-Lab-SG (sg-0908cd6f5a62626cd)	CIDR/IP - Outbound	0.0.0.0/0

### Replication (1)

Filter replication

DB instance	Role	Region & AZ	Replication source	Replication state	Lag
database-1	Instance	us-east-1f	-	-	-

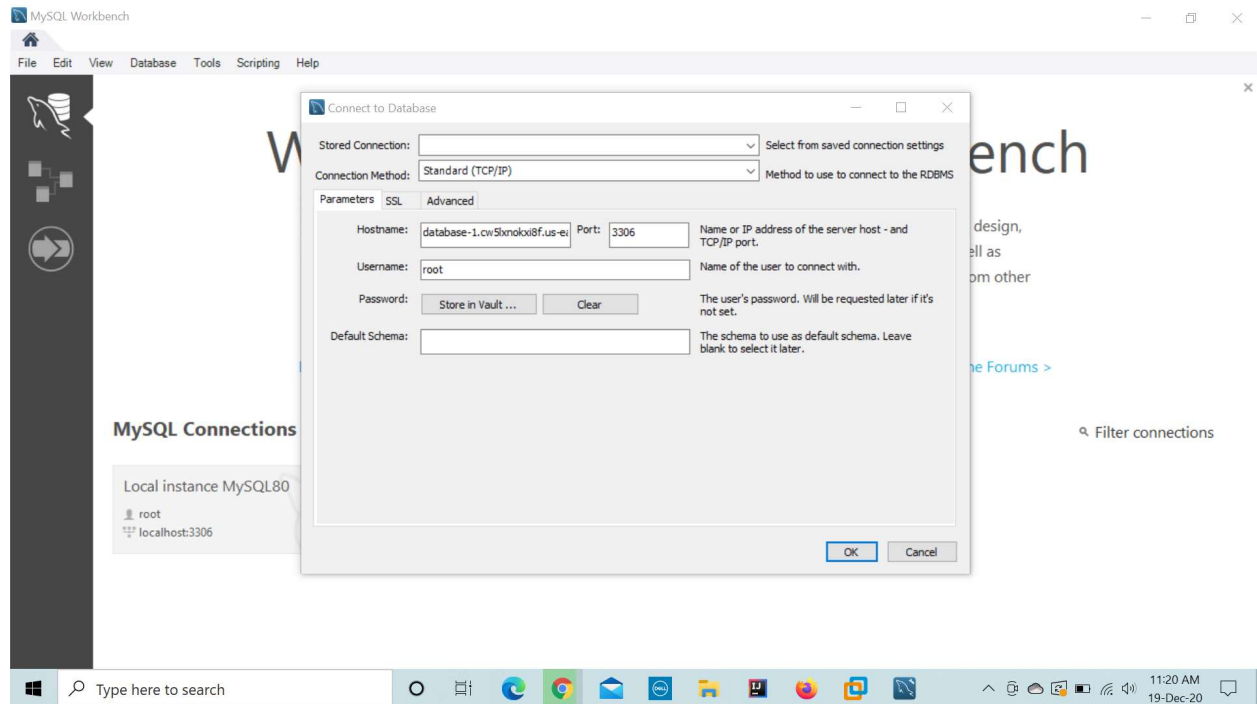
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Type here to search

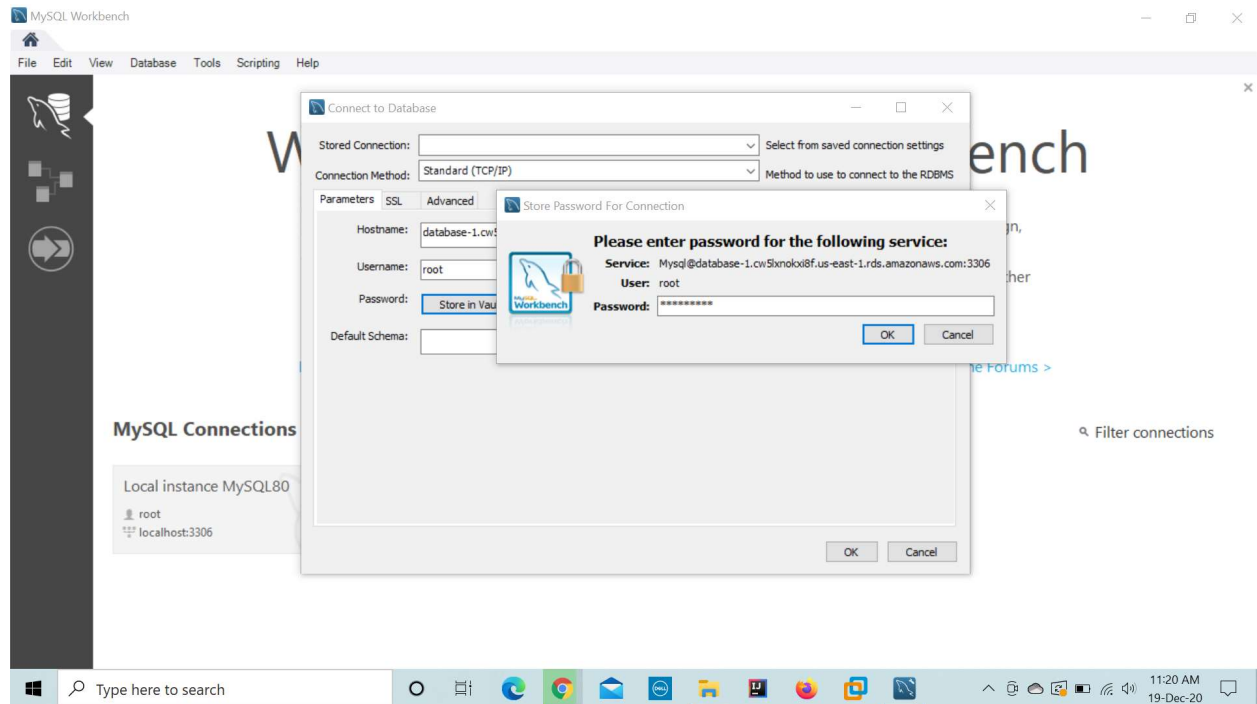
11:18 AM 19-Dec-20

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

### Ss4: sql workbench endpoint added



### Ss5: secret vault entry



### Task 3: Test Connection

#### Ss6: confirm connectivity screen

