



# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Discover. Learn. Empower.

## Experiment - 9

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**Branch:** BE-CSE

**Semester:** 5<sup>th</sup>

**Subject Name:** ADBMS

**UID:** 23BCS10511

**Section/Group:** KRG-2B

**Date of Performance:** 27/10/25

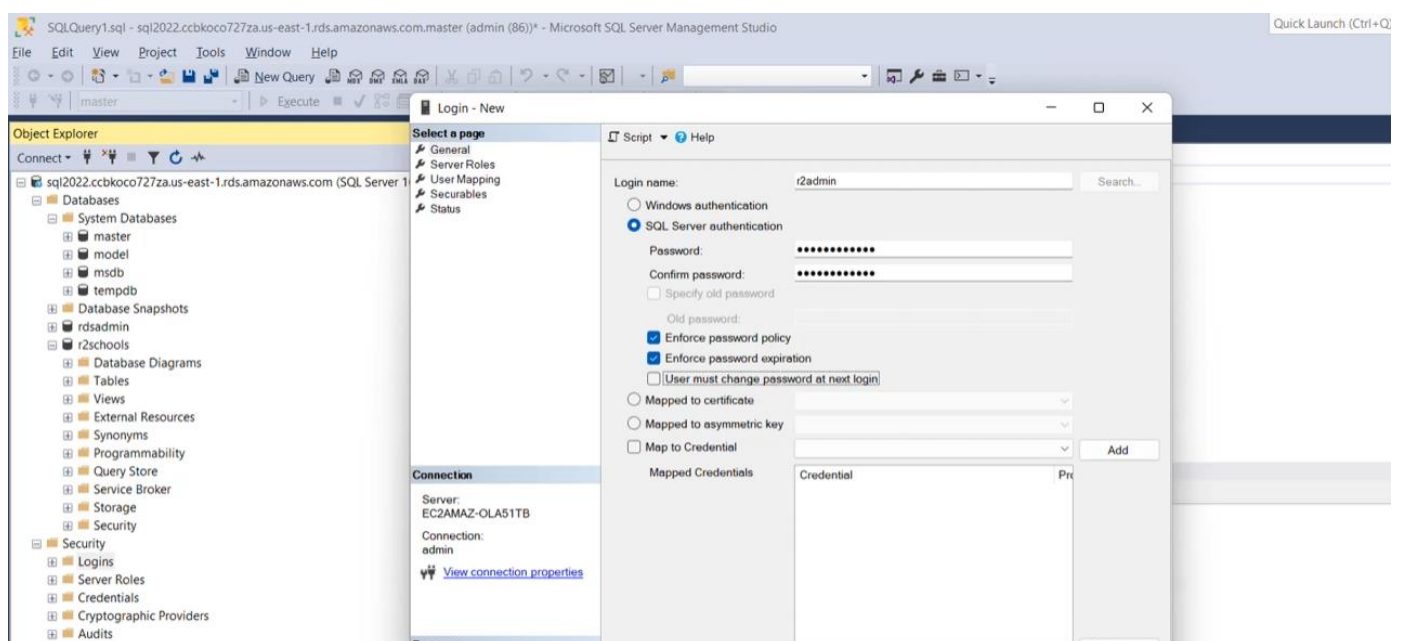
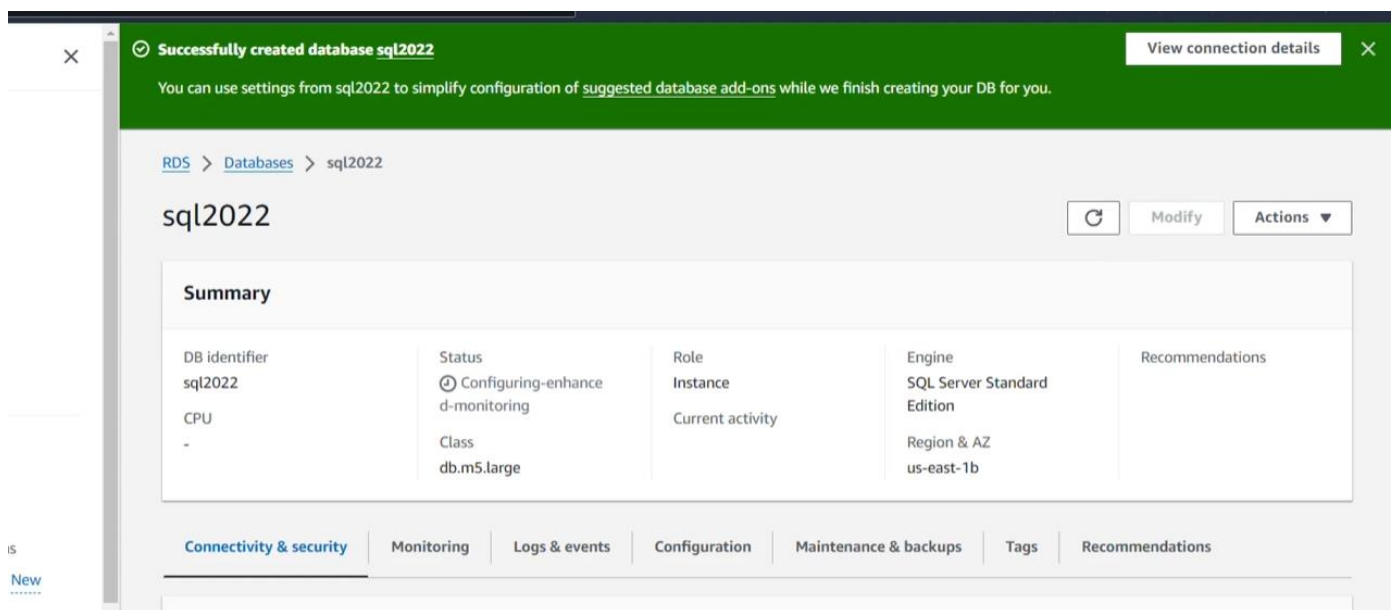
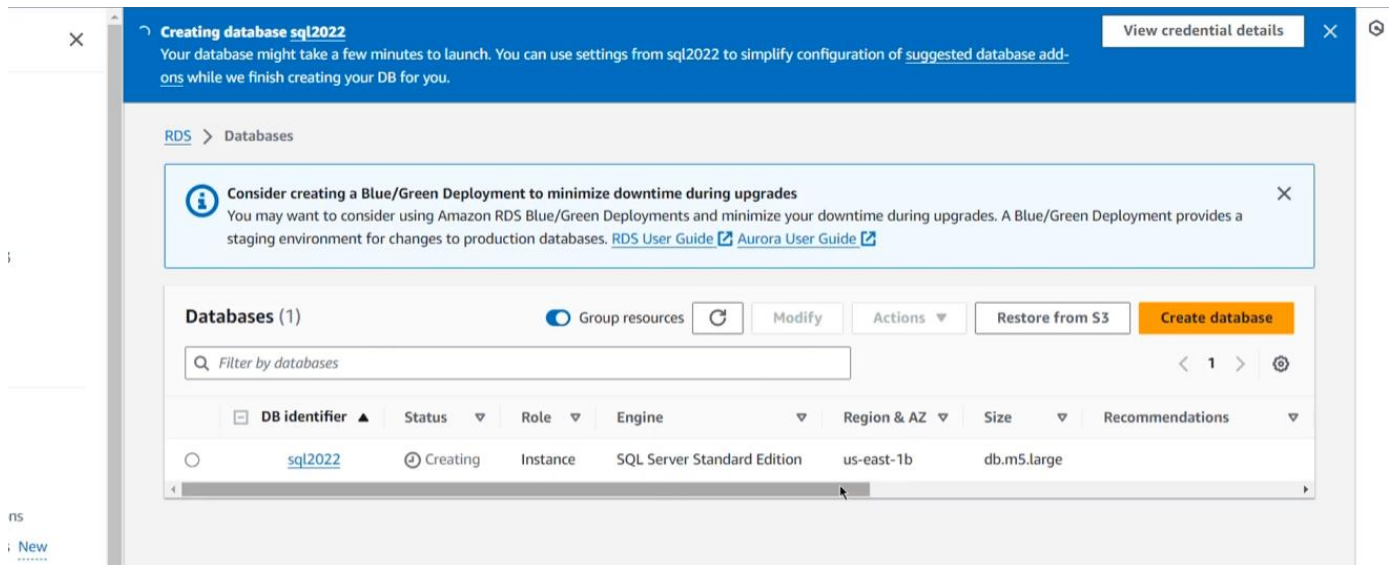
**Subject Code:** 23CSP-333

### 1. Aim:

To design and interact with cloud-based data storage systems using AWS RDS, Google Firebase, and Azure Cosmos DB, focusing on relational modeling, real-time synchronization, and distributed data access.

### 2. Output

The screenshot displays the AWS RDS 'Create DB Instance' wizard. The 'Master username' field is populated with 'admin'. In the 'Credentials management' section, the 'Self managed' option is selected, indicating that the user will manage their own credentials. The 'Master password' field is filled with a strong password, as indicated by the 'Strong' strength meter. The 'Confirm master password' field is also filled. The 'Instance configuration' section is partially visible at the bottom.



ModifyInboundSecurityGroupRules: securityGroupId=sg-0d8472b8adce9cf6e

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-0d8472b8adce9cf6e

Services Search [Alt+S] N. Virginia

EC2 > Security Groups > sg-0d8472b8adce9cf6e - default > Edit inbound rules

### Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

#### Inbound rules Info

Security group rule ID	Type <small>Info</small>	Protocol <small>Info</small>	Port range <small>Info</small>	Source <small>Info</small>	Description - optional <small>Info</small>	
sg-0cbad942ac2402cbe	All traffic	All	All	Custom		Delete
-	MSSQL	TCP	1433	My IP	sg-0d8472b8adce9cf6e 49.43.226.187/32	Delete

Add rule

aws Services Search [Alt+S]

## Amazon RDS

- Dashboard
- Databases**
- Query Editor
- Performance insights
- Snapshots
- Exports in Amazon S3
- Automated backups
- Reserved instances
- Proxies

- Subnet groups
- Parameter groups
- Option groups
- Custom engine versions
- Zero-ETL integrations New

- Events
- Event subscriptions

RDS > Databases > sql2022

## sql2022

### Summary

DB identifier sql2022	Status Available	Role Instance	Engine SQL Serv Edition
CPU 3.36%	Class db.m5.large	Current activity 0.00 sessions	Region & us-east-1

Connectivity & security | Monitoring | Logs & events | Configuration | Maintenance & backups

### Connectivity & security

<b>Endpoint &amp; port</b> Endpoint sql2022.crbkocn727za.us-east-1.	<b>Networking</b> Availability Zone us-east-1b	<b>Security</b> VPC security groups default (sg-0d8472b8adce9cf6e)
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