



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Experiment - 9

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Branch: BE-CSE

Semester: 5th

Subject Name: ADBMS

UID: 23BCS12549

Section/Group: KRG-2B

Date of Performance: 27/10/25

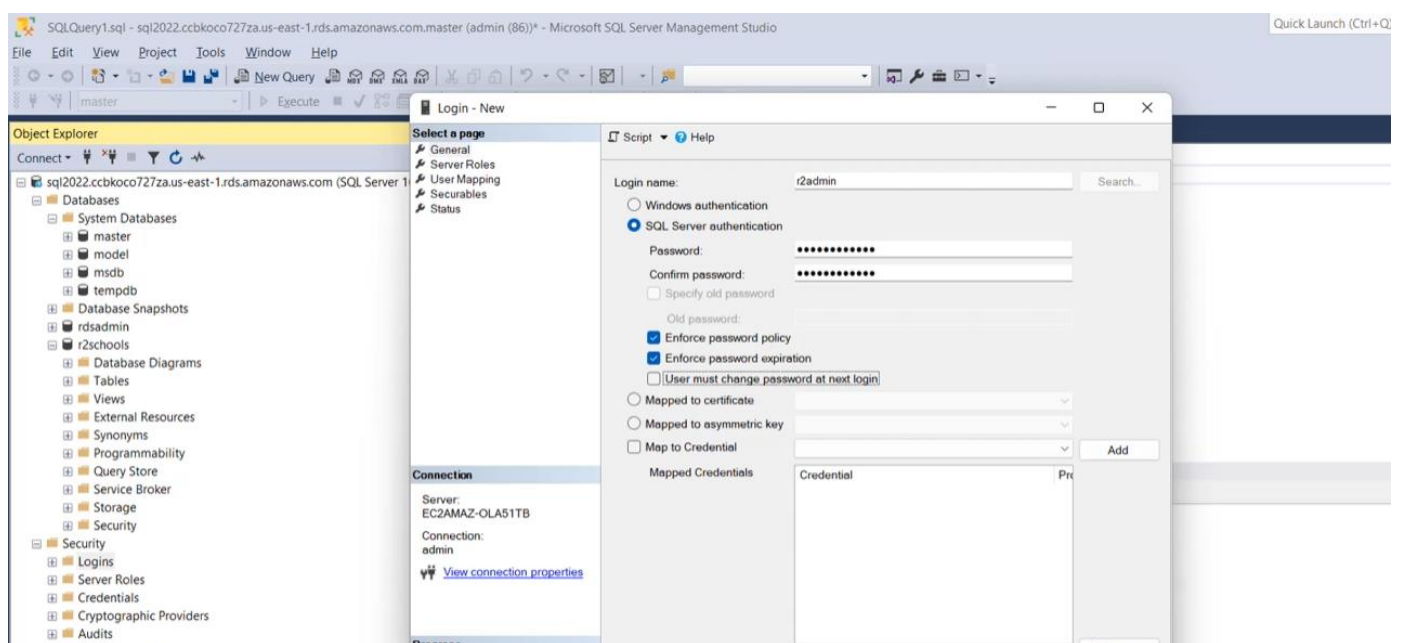
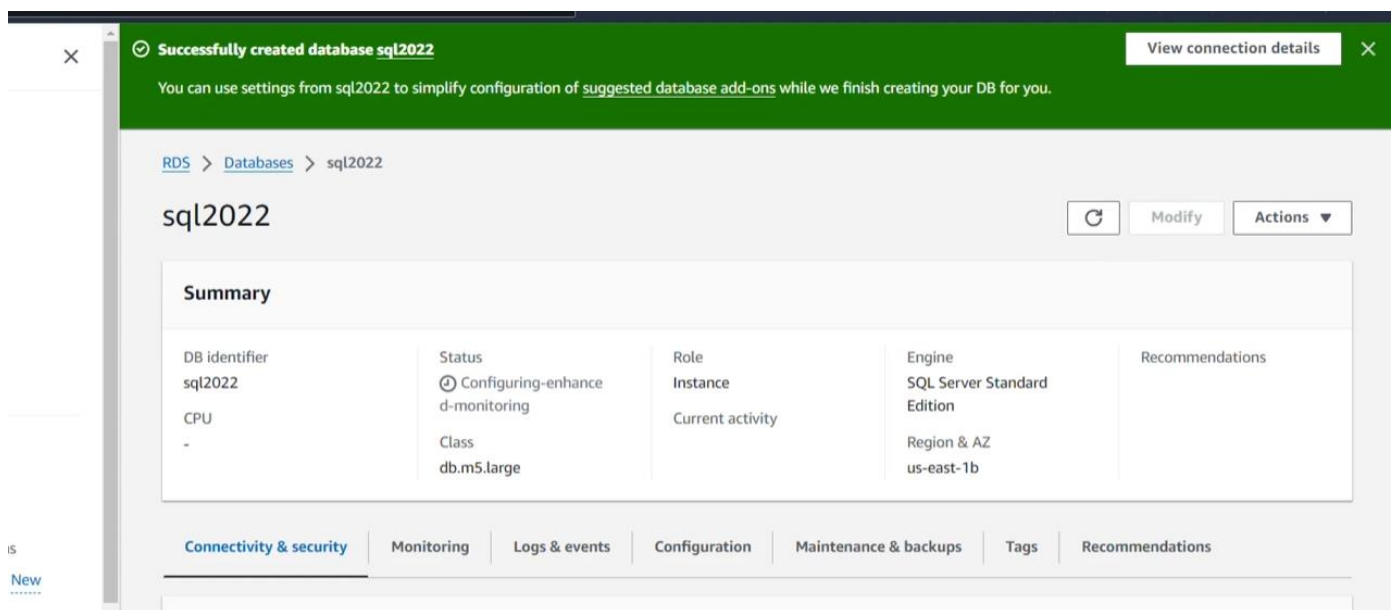
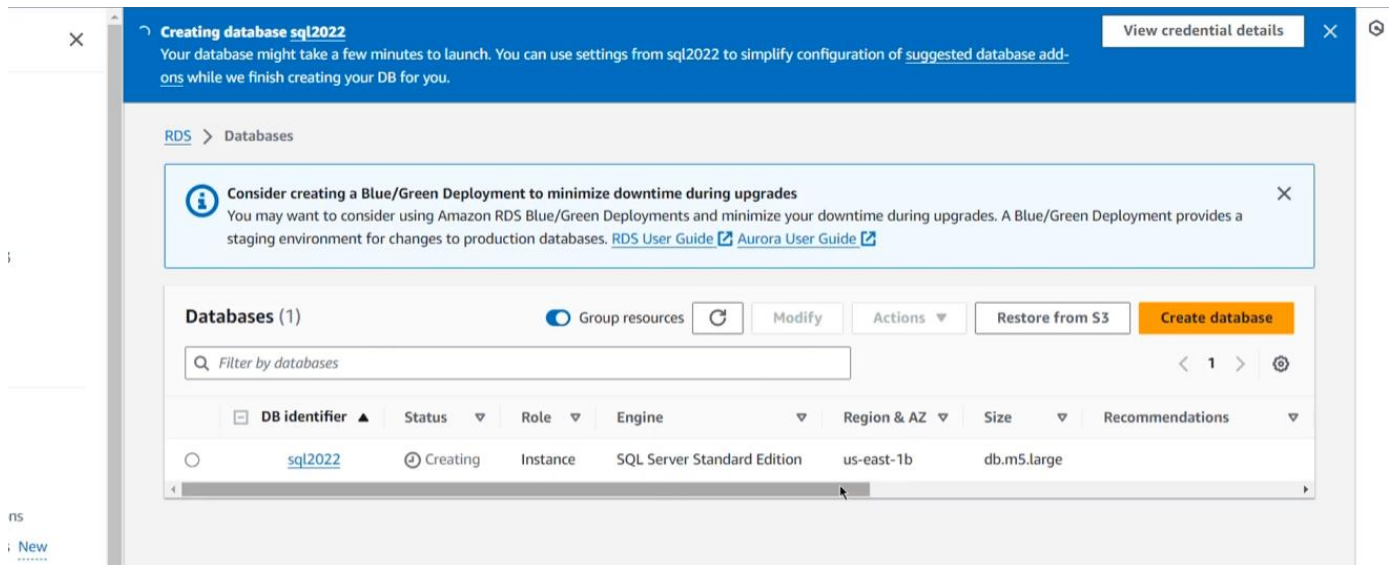
Subject Code: 23CSP-333

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 console during the 'Create DB Instance' process. The 'Master username' field is populated with 'admin'. Below this, the 'Credentials management' section offers two options: 'Managed in AWS Secrets Manager - most secure' (unselected) and 'Self managed' (selected). The 'Self managed' option includes a sub-option for 'Auto generate password', which is currently unchecked. The 'Master password' field is masked with dots, and the 'Password strength' indicator shows 'Strong'. The 'Confirm master password' field is also masked with dots. 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

aws 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

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