



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Discover. Learn. Empower.

Experiment - 9

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Branch: BE-CSE

Semester: 5th

Subject Name: ADBMS

UID: 23BCS12931

Section/Group: KRG-2B

Date of Performance: 27/10/25

Subject Code: 23CSP-333

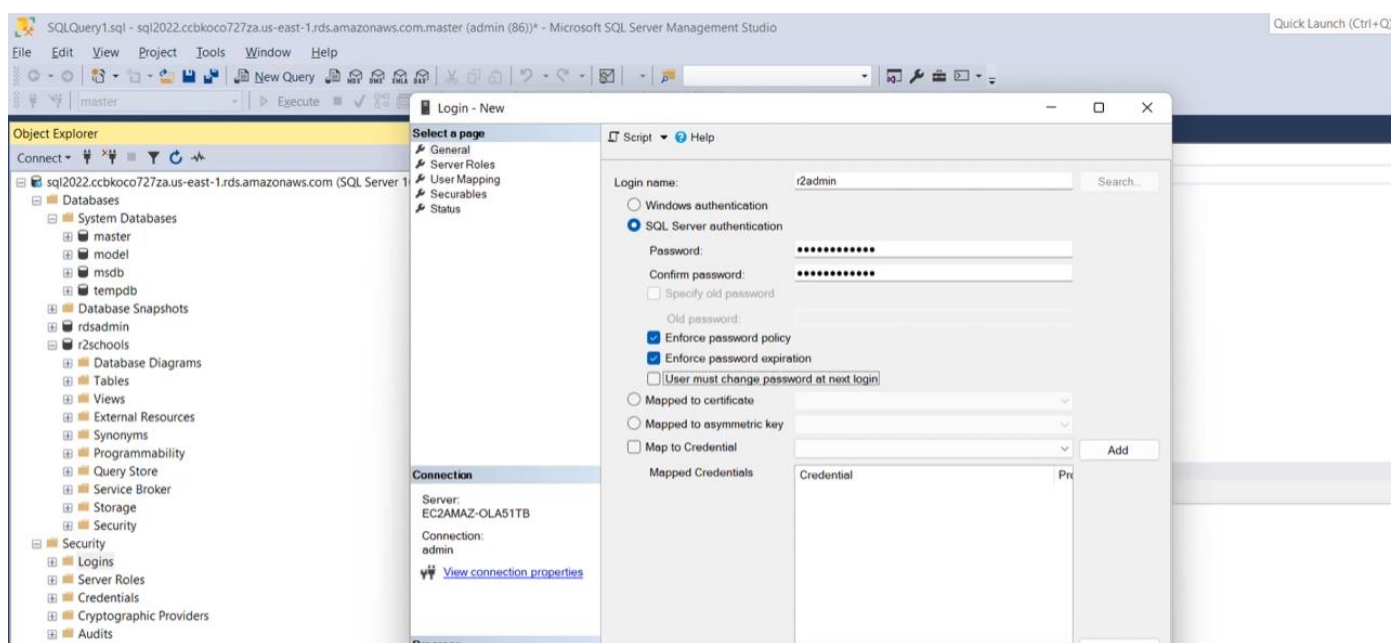
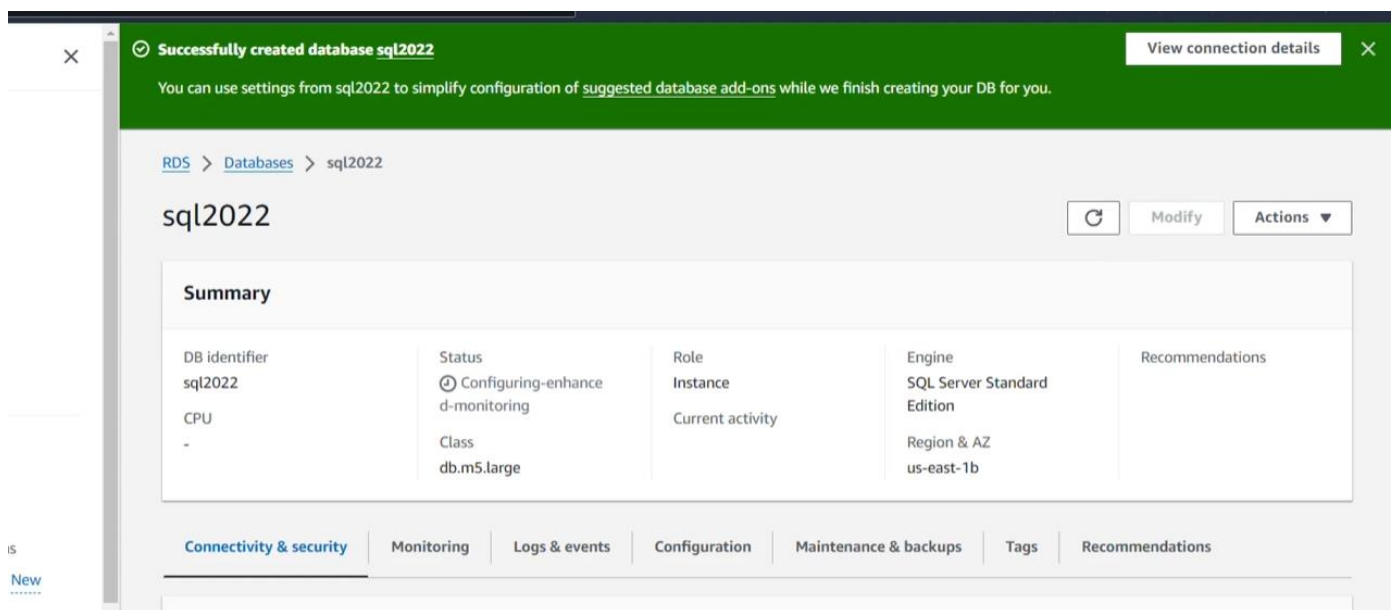
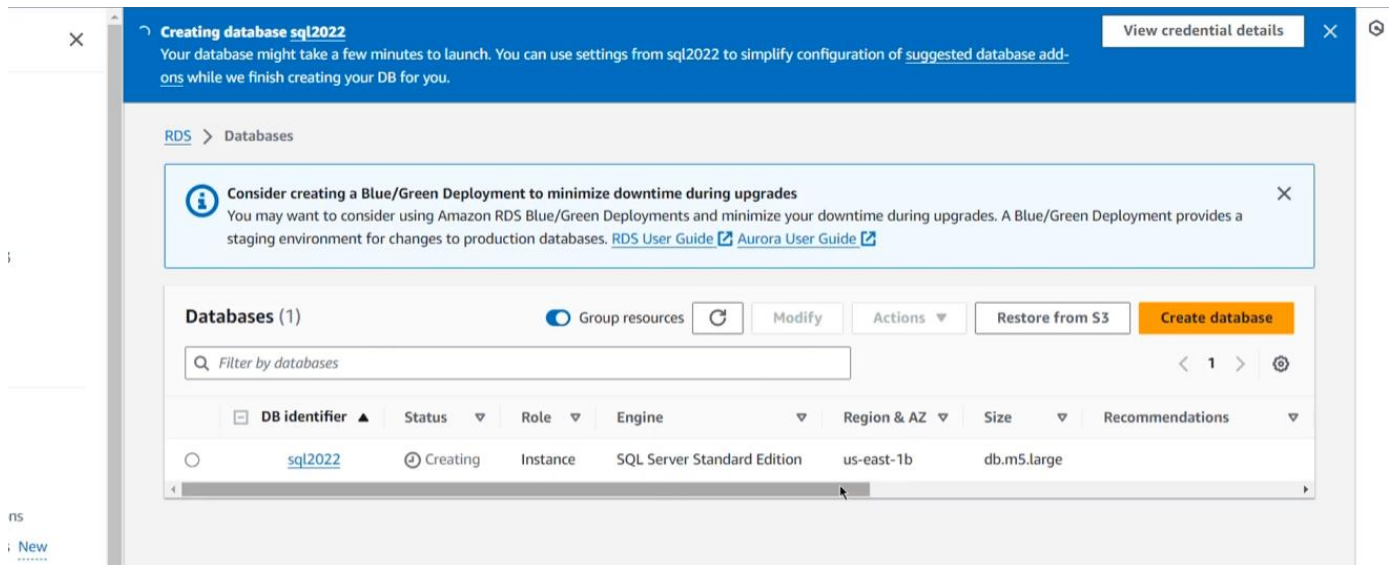
1. Aim:

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' configuration page. Key elements include:

- Master username:** A text input field containing 'admin'.
- Credentials management:** Two radio button options. 'Managed in AWS Secrets Manager - most secure' is unselected. 'Self managed' is selected, with a sub-note: 'Create your own password or have RDS create a password that you manage.'
- Auto generate password:** An unchecked checkbox with the note: 'Amazon RDS can generate a password for you, or you can specify your own password.'
- Master password:** A password input field filled with dots.
- Password strength:** A visual indicator showing 'Strong' strength.
- Minimum constraints:** Text stating: 'At least 8 printable ASCII characters. Can't contain any of the following symbols: / * @'.
- Confirm master password:** A second password input field filled with dots.
- Instance configuration:** A section header at the bottom with a note: 'The DB instance configuration options below are limited to those supported by the engine that you selected above.'



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

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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