



DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING

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EXPERIMENT - 9

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Branch: BE-CSE

Semester: 5th

Subject Name: ADBMS

UID: 23BCS10502

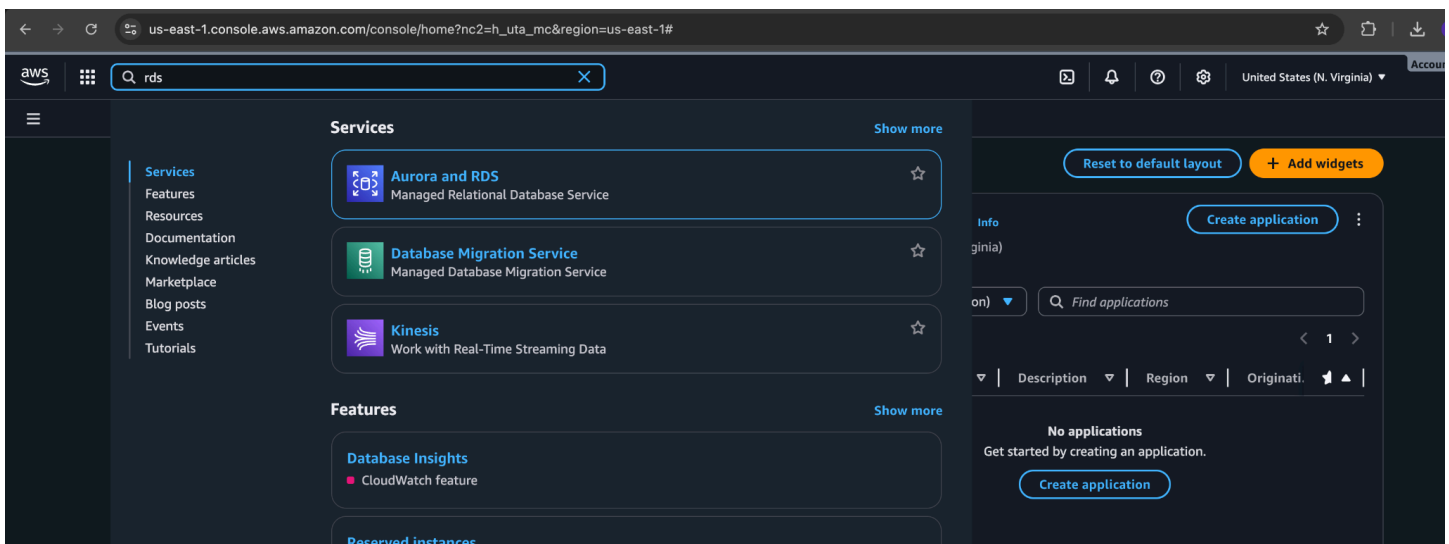
Section/Group: KRG_1-B

Date of Performance: 28/10/2025

Subject Code: 23CSP-333

Question 1: AWS Relational Database Service.

1. GO TO AWS HOMEPAGE -> CLICK ON SIGN IN-> ENTER USER NAME WITH EMAIL ADDRESS
2. AFTER SIGN-IN -> GO TO SEARCH BAR -> SEARCH FOR RDS -> HIT ENTER



3. To create database go to RDS Dashboard.



us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#

Aurora and RDS > Dashboard

Resources

You are using the following Amazon RDS resources in the US East (N. Virginia) region (used/quota)

- DB Instances (0/40)
 - Allocated storage (0 TB/100 TB)
 - Instances and storage include Neptune and DocumentDB.
 - Increase DB instances limit [↗](#)
- DB Clusters (0/40)
- Reserved instances (0/40)
- Snapshots (0)
 - Manual
 - DB Cluster (0/100)
 - DB Instance (0/100)
 - Automated
 - DB Cluster (0)
 - DB Instance (0)
- Recent events (0)
- Event subscriptions (0/20)
- Parameter groups (1)
 - Default (1)
 - Custom (0/100)
- Option groups (1)
 - Default (1)
 - Custom (0/20)
- Subnet groups (1/50)
- Supported platforms [↗](#) VPC
- Default network vpc-096f0ebec7736a72a

Explore Aurora & RDS

In this activity, you will learn how to create a database. To begin, choose **Start tutorial**.

Estimated duration
2-5 minutes

[Start tutorial](#)

Recommended services

Customers like you also use these services.

- [AWS User Notifications](#)
Configure and view notifications from AWS services
- [AWS App Mesh](#)
Easily monitor and control microservices
- [AWS Data Exchange](#)
Easily find, subscribe to, and use third-party data
- [Amazon AppFlow](#)
Amazon AppFlow integrates apps and automates data flows without code.
- [Cloud9](#)
A Cloud IDE for Writing, Running, and Debugging Code

Additional information

- [Getting started with RDS](#)
- [Overview and features](#)
- [Documentation](#)
- [Articles and tutorials](#)
- [Data import guide for MySQL](#)
- [Data import guide for Oracle](#)
- [Data import guide for SQL Server](#)

Create a database

Amazon Relational Database Service (RDS) makes it easy to set up, operate, and scale a relational database in the cloud.

You can use a backup from Amazon S3 to restore and create a new Aurora MySQL and MySQL database.

[Create a database](#) [Restore from S3](#)

Note: your DB instances will launch in the US East (N. Virginia) region

Service health

[View service health dashboard](#)

Current status	Details
Amazon Relational Database Service (N. Virginia)	Service is operating normally

4.

5. CLICK ON CREATE DATABASE

us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#

Aurora and RDS > Databases > Create database

Create database

[Info](#)

Choose a database creation method

- ☒ **Standard create**
You set all of the configuration options, including ones for availability, security, backups, and maintenance.
- ☐ **Easy create**
Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

Engine options

Engine type [Info](#)

- ☐ Aurora (MySQL Compatible)
- ☒ **Aurora (PostgreSQL Compatible)**
- ☐ MySQL
- ☐ PostgreSQL
- ☐ MariaDB
- ☐ Oracle
- ☐ Microsoft SQL Server
- ☐ IBM Db2

Engine version

[Info](#)
View the engine versions that support the following database features.

▼ **Hide filters**

- ☐ **Show only versions that support the Babelfish for PostgreSQL feature**
Makes possible faster, cheaper, and lower-risk migrations from Microsoft SQL Server to Aurora PostgreSQL.
- ☐ **Show only versions that support Aurora Limitless Database**

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IN THE STANDALONE CREATE, WE CAN SET EVERYTHING FOR OUR DATABASE, THE INCOMING TRAFFIC, IP ADDRESSES TO BE USED, BACKUP ETC.

6. Select PostgreSQL and add configurations.

DB Instance size

- ☐ Production
db.r7g.xlarge
4 vCPUs
32 GiB RAM
400 GiB
1.915 USD/hour
- ☐ Dev/Test
db.r7g.large
2 vCPUs
16 GiB RAM
200 GiB
0.271 USD/hour
- ☒ Free tier
db.t4g.micro
2 vCPUs
1 GiB RAM
20 GiB
0.019 USD/hour

DB instance identifier

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

database-1

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 63 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

Master username [Info](#)

Type a login ID for the master user of your DB instance.

postgres

1 to 16 alphanumeric characters. The first character must be a letter.

Credentials management

You can use AWS Secrets Manager or manage your master user credentials.

- ☐ Managed in AWS Secrets Manager - most secure
RDS generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.
- ☒ Self managed
Create your own password or have RDS create a password that you manage.

☐ Auto generate password
Amazon RDS can generate a password for you, or you can specify your own password.

Master password [Info](#)

The Master password field is required.
Minimum constraints: At least 8 printable ASCII characters. Can't contain any of the following symbols: / ' * @

Confirm master password [Info](#)

The passwords don't match.

Set up EC2 connection - optional

You can also set up a connection to an EC2 instance after creating the database. Go to the database list page or the database details page, choose Actions, and then choose Set up to EC2 connection.

7. GET CONNECTIONS URL AND CONNECT LOCAL PG ADMIN WITH CLOUD DB USING URL AND PASSWORD.



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Register - Server

General Connection Parameters SSH Tunnel Advanced Post Connection SQL Tags

Host name/address strugmac-postgresql.czqk2qqwqtc0.eu-north-1.rds.amazonaws.com

Port 5432

Maintenance database postgres

Username postgres

Kerberos authentication? ☐

Password

In edit mode the password field is enabled only if Save Password is set to true.

Save password? ☐

Unable to connect to server:
connection timeout expired

Close Reset Save

No data output. Execute a query to get output.