



DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING

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EXPERIMENT - 9

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Branch: BE-CSE

Semester: 5th

Subject Name: ADBMS

UID: 23BCS10598

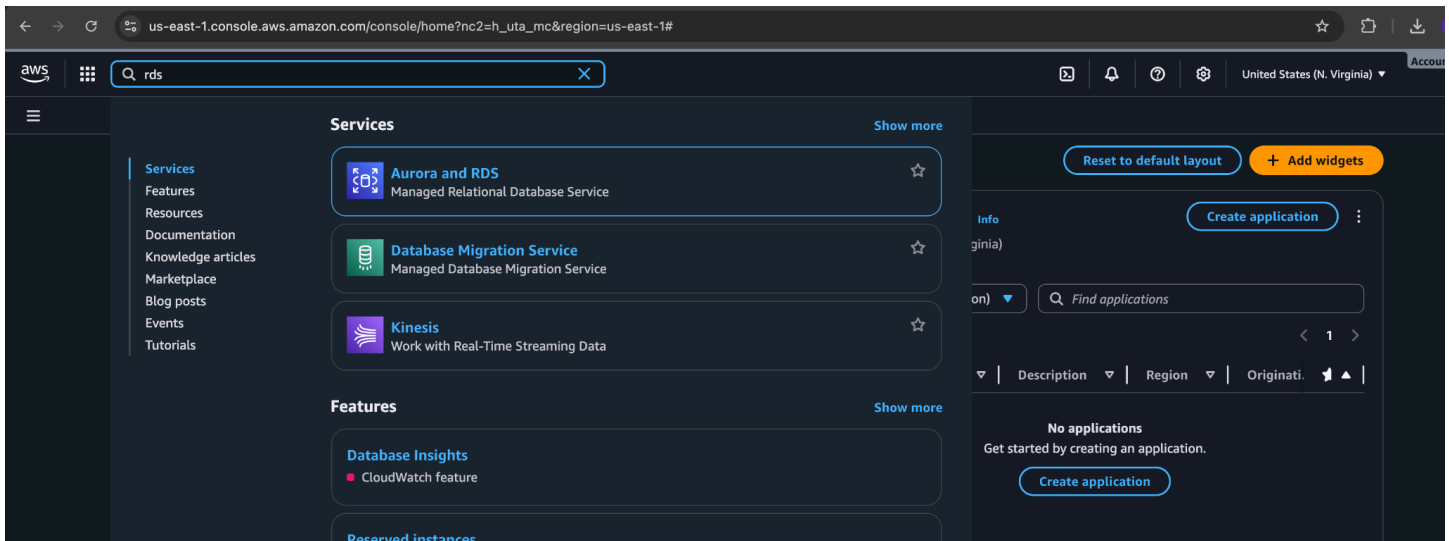
Section/Group: KRG_1-B

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.



4.

5. CLICK ON CREATE DATABASE

5. CLICK ON CREATE DATABASE



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.

The screenshot shows the AWS Management Console 'Create database' page. The top navigation bar includes the AWS logo, a search bar, and account information (United States (N. Virginia), Account ID: 4420-4254-2666, Arshpreet Singh). The breadcrumb trail is 'Aurora and RDS > Databases > Create database'.

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.

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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.