



DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING

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EXPERIMENT - 9

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Branch: BE-CSE

Semester: 5th

Subject Name: ADBMS

UID: 23BCS11096

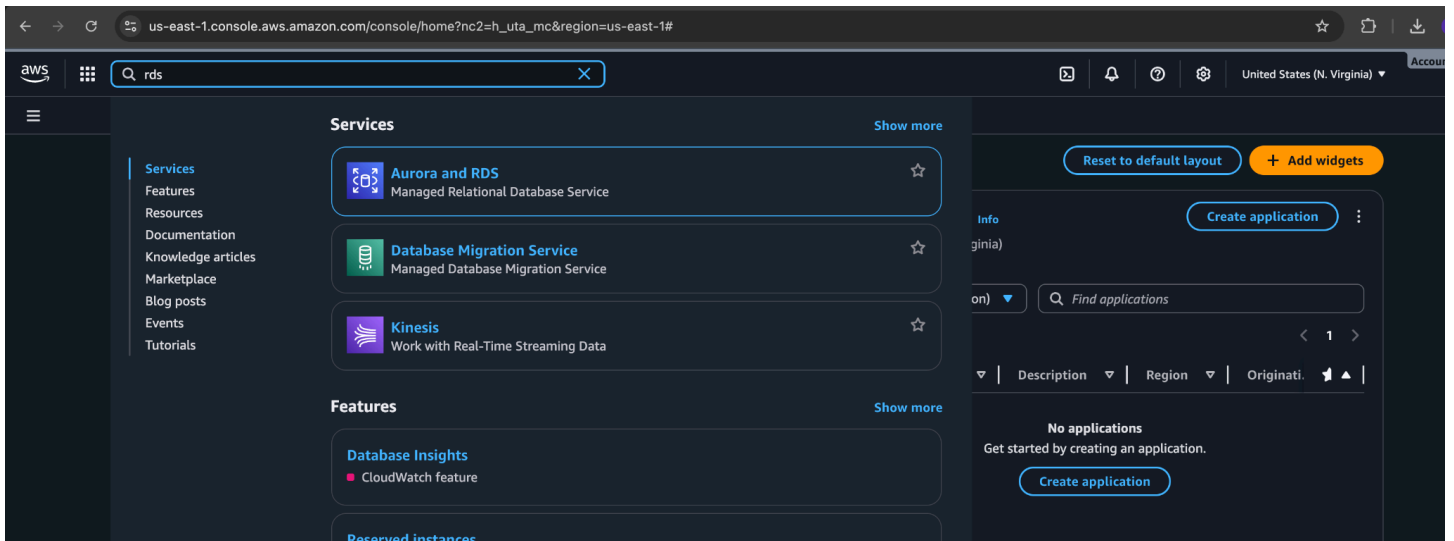
Section/Group: KRG_1-A

Date of Performance: 01/11/2025

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 for Amazon RDS. The page is titled 'Aurora and RDS > Databases > Create database'. The top navigation bar shows the AWS logo, a search bar, and the account ID '4420-4254-2666' for 'Arshpreet Singh' in the 'United States (N. Virginia)' region.

The main content area is divided into several sections:

- DB Instance size:** Three options are shown: '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), and 'Free tier' (db.t4g.micro, 2 vCPUs, 1 GiB RAM, 20 GiB, 0.019 USD/hour). The 'Free tier' option is selected.
- DB instance identifier:** A text input field contains 'database-1'. A note states: '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:** A text input field contains 'postgres'. A note states: 'Type a login ID for the master user of your DB instance. 1 to 16 alphanumeric characters. The first character must be a letter.'
- Credentials management:** Two options are shown: 'Managed in AWS Secrets Manager - most secure' (selected) and 'Self managed'. A note states: 'You can use AWS Secrets Manager or manage your master user credentials. RDS generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.'
- Master password:** A text input field is empty. A note states: 'The Master password field is required. Minimum constraints: At least 8 printable ASCII characters. Can't contain any of the following symbols: / ' * @'. Below it is a 'Confirm master password' field, also empty. A note states: 'The passwords don't match.'

At the bottom, there is a section titled 'Set up EC2 connection - optional' with a note: '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.