

TASK – 25

RDS:

Amazon Relational Database Service (Amazon RDS) is a managed service provided by Amazon Web Services (AWS) that simplifies the setup, operation, and scaling of relational databases in the cloud. It automates common database administration tasks, such as provisioning, patching, backups, and scaling, allowing users to focus on application development and business logic.

Creation of instance:

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with 'EC2' selected, showing options like Dashboard, EC2 Global View, AWS Global View, Events, Instances (selected), Instances Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations, and Capacity Manager. Below that is the 'Images' section. The main area is titled 'Instances (1/2) Info' and shows a table with two rows. The first row for 'rds_instance' is terminated. The second row for 'my-instance-rds' is running. Both rows have columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. Below the table, a specific instance 'i-055ae59f8de45c11b (my-instance-rds)' is selected, showing its Security details, including IAM Role (None), Owner ID (393827457998), and Launch time (Mon Nov 03 2025 23:16:10 GMT+0530 (India Standard Time)).

Creation of RDS:

The screenshot shows the Aurora and RDS Databases page. In the sidebar, under 'Aurora and RDS', there are links for Dashboard, Databases (selected), Query editor, Performance insights, Snapshots, Exports in Amazon S3, Automated backups, Reserved instances, and Proxies. Under 'Databases', it shows 'mydatabase-1'. The main area is titled 'mydatabase-1' and has a 'Summary' section with details like DB identifier (mydatabase-1), Status (Available), Role (Instance), Engine (MySQL Community), and Region & AZ (ap-southeast-1b). Below the summary are tabs for Connectivity & security, Monitoring, Logs & events, Configuration, Zero-ETL integrations, and Maintenance & b. The 'Connectivity & security' tab is active, showing an endpoint copied message and networking details like Availability Zone (ap-southeast-1b).

The screenshot shows the AWS CloudShell interface with a terminal window. The terminal displays the following MySQL session:

```
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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE RANJI;
Query OK, 1 row affected (0.03 sec)

mysql> SHOW DATABASES;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near
'DATABASE' at line 1
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| RANJI   |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
5 rows in set (0.01 sec)

mysql> 
```

i-055ae59f8de45c11b (my-instance-rds)

PublicIPs: 13.250.102.23 PrivateIPs: 172.31.22.184

CloudShell Feedback Console Mobile App

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Replica:

The screenshot shows the AWS RDS Databases page. On the left, there is a sidebar with navigation links for Aurora and RDS, including 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, and Zero-ETL integrations.

The main content area displays a table titled "Databases (1)". The table has the following columns: DB identifier, Status, Role, Engine, Region ..., and Size. There is one entry: myreplica, which is Available, an Instance, running MySQL Community Server in the ap-southeast-1 region, and using db.t4g.micro storage.

At the top of the main content area, there are buttons for Group resources, Modify, Actions, Create database, and a search bar labeled "Filter by databases".

At the bottom of the page, there are links for CloudShell, Feedback, Console Mobile App, and standard footer links for Privacy, Terms, and Cookie preferences.