

Module 7: MariaDB Assignment

Problem Statement:

You work for XYZ Corporation. Their application requires a SQL service that can store data which can be retrieved if required. Implement a suitable RDS engine for the same.

While migrating, you are asked to perform the following tasks:

1. Create a MariaDB Engine based RDS Database.
2. Connect to the DB using the following ways:
 - a. SQL Client for Windows
 - b. Linux based EC2 Instance

Creating a MariaDB Database

General Immersion

RDS | ap-south-1

Route 53 | Global

Start Course | Intel

Dynamic scaling fo

Google

← → ↺ 🏠 🔍 ☆ 📁 👤 Relaunch to update

aws Services 🔍 Search [Alt+S]

EC2 EC2 Image Builder S3 IAM VPC

Mumbai prakash24


Choose a database creation method [Info](#)


☒ 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


☒ MariaDB


MariaDB

MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.

- Supports database size up to 64 TiB.
- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
- Supports global transaction ID (GTID) and thread pooling.
- Developed and supported by the MariaDB open source community.

CloudShell Feedback

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Setting MariaDB Database Credential

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:

Services Search [Alt+S]

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The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

▼ Credentials Settings

Master username [Info](#)
Type a login ID for the master user of your DB instance.

admin

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](#)

.....

Password strength **Strong**

Minimum constraints: At least 8 printable ASCII characters. Can't contain any of the following symbols: / ' " @

Confirm master password [Info](#)

.....

MariaDB

MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.

- Supports database size up to 64 TiB.
- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
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Connecting MariaDB Database Using Console

The screenshot shows the AWS Management Console interface. The browser tabs include 'General In...', 'RDS | ap-s...', 'Launch an...', 'Instances |', 'EC2 Instan...', 'Start Coun...', 'Dynamic s...', and 'Gemini'. The address bar shows the URL: `ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i...`. The console header displays the AWS logo, 'Services', a search bar, and navigation icons for EC2, EC2 Image Builder, S3, IAM, and VPC. The user is logged in as 'prakash24' in the 'Mumbai' region.

The terminal window shows the following commands and output:

```
[ec2-user@ip-172-31-4-97 ~]$ mysql -h demo-maria-db.chc0yayiooqd.ap-south-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 180
Server version: 10.11.8-MariaDB-log managed by https://aws.amazon.com/rds/

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> 
```

Below the terminal window, the instance ID `i-09438407c67be8f0b` is displayed, along with its Public IPs (`65.0.45.220`) and Private IPs (`172.31.4.97`).

The footer of the console shows 'CloudShell', a 'Feedback' link, and copyright information: '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

Running MariaDB Database Query

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, a search bar, and various service icons (EC2, EC2 Image Builder, S3, IAM, VPC). The main content area displays a terminal window for an EC2 instance, showing a MariaDB database connection and query execution.

Terminal Output:

```
MariaDB [(none)]> show database;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'database' at line 1
MariaDB [(none)]> show databses
->
-> Ctrl-C -- exit!
Aborted
[ec2-user@ip-172-31-4-97 ~]$ mysql -h demo-maria-db.chc0yayiooqd.ap-south-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 185
Server version: 10.11.8-MariaDB-log managed by https://aws.amazon.com/rds/

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

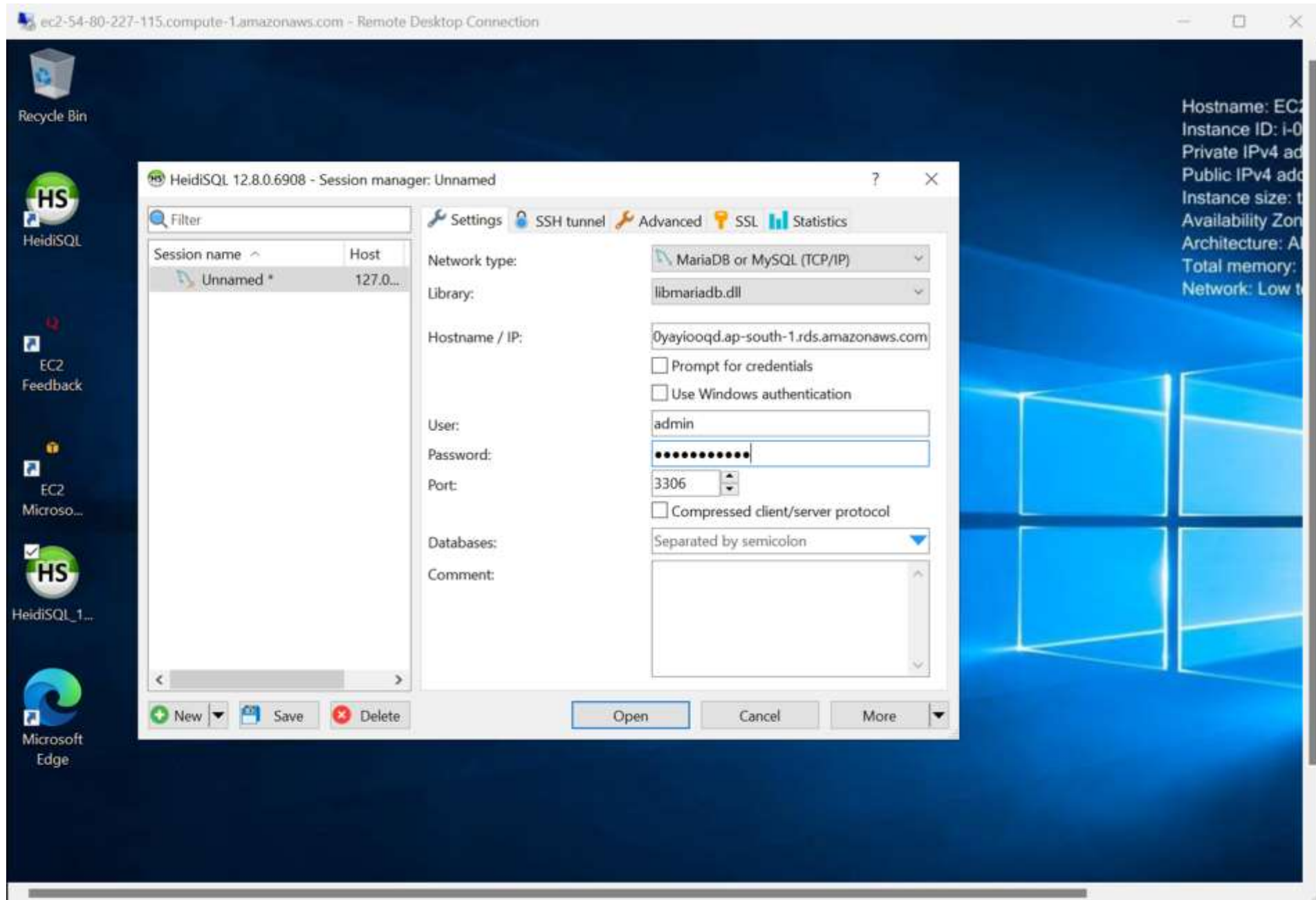
MariaDB [(none)]> SHOW DATABASES;
+-----+
| Database |
+-----+
| information_schema |
| innodb |
| mysql |
| performance_schema |
| sys |
+-----+
5 rows in set (0.00 sec)

MariaDB [(none)]> 
```

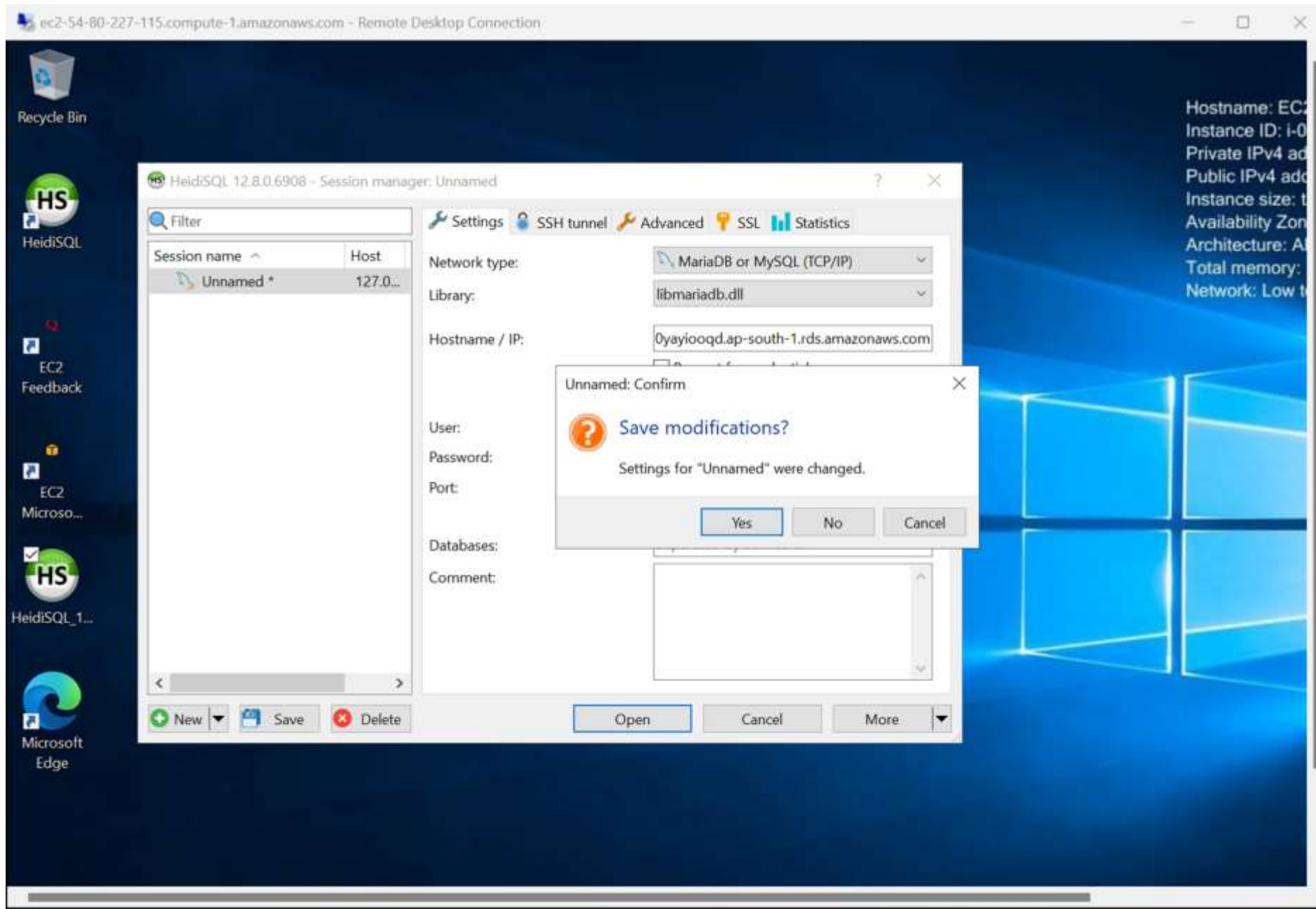
Below the terminal window, the instance ID `i-09438407c67be8f0b` is displayed, along with its Public IP (`65.0.45.220`) and Private IP (`172.31.4.97`).

The bottom of the console shows the `CloudShell` logo and a `Feedback` link. The footer contains the copyright notice: `© 2024, Amazon Web Services, Inc. or its affiliates.`, along with links for `Privacy`, `Terms`, and `Cookie preferences`.

Connecting MariaDB Database Window SQL Client



Connected MariaDB Database Successfully



Running MariaDB Database Query windows client

ec2-54-80-227-115.compute-1.amazonaws.com - Remote Desktop Connection

Recycle Bin

HeidiSQL

EC2 Feedback

EC2 Micro...

HeidiSQL_1...

Microsoft Edge

Hostname: EC2...

100 010

Database | Table filter | Unnamed | Query*

1 SHOW DATABASES;

Filter ...

- > Columns
- > SQL functions
- > SQL keywords
- > Snippets
- > Query history
- > Query pro...
- > Bind para...

SCHEMATA (5r x 1c)

#	Database
1	information_schema
2	innodb
3	mysql
4	performance_schema
5	sys

Filter: Regular expression

```
15 SHOW DATABASES;
16 /* */
17 /* Affected rows: 0 Found rows: 5 Warnings: 0 Duration for 1 query: 0.172 sec. */
```

r1: c16 (15 B) Connected: 00: MariaDB 10.11.8 Uptime: 5 days, 16:55 h Server time: 8:2 Idle.

Module 7: Aurora Assignment

Problem Statement:

You work for XYZ Corporation. Their application requires a SQL service that can store data which can be retrieved if required. Implement a suitable RDS engine for the same.

While migrating, you are asked to perform the following tasks:

1. Create an AuroraDB Engine based RDS Database.
2. Create 2 Read Replicas in different availability zones for better infrastructure availability.

Creating a Aurora Database

General Immersion Day

RDS | ap-south-1

Australia is inviting half-a

Devops - Google Drive

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ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:

aws

Services

Search

[Alt+S]

EC2

EC2 Image Builder

S3

IAM

VPC

Mumbai

prakash24

Create database


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

☒ Aurora (MySQL Compatible)


☐ Aurora (PostgreSQL Compatible)


☐ MySQL


☐ MariaDB


Aurora MySQL-Compatible Edition

Aurora MySQL is Amazon's enterprise-class MySQL-compatible database.

Aurora MySQL offers:

- Up to five times the throughput of MySQL Community Edition
- Up to 128 TB of autoscaling SSD storage
- Six-way replication across three Availability Zones
- Up to 15 read replicas with replica lag under 10-ms
- Automatic monitoring with failover

CloudShell

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Setting Aurora Database Credential

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ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:

aws Services Search [Alt+S]

EC2 EC2 Image Builder S3 IAM VPC

DB cluster identifier Info

Enter a name for your DB cluster. The name must be unique across all DB clusters owned by your AWS account in the current AWS Region.

database-1

The DB cluster identifier is case-insensitive, but is stored as all lowercase (as in "mydbcluster"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

Credentials Settings

Master username Info

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

admin

1 to 32 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

.....

Password strength Strong

Minimum constraints: At least 8 printable ASCII characters. Can't contain any of the following symbols: / ' " @

Confirm master password Info

Aurora MySQL-
Compatible Edition

Aurora MySQL is Amazon's enterprise-class MySQL-compatible database.

Aurora MySQL offers:

- Up to five times the throughput of MySQL Community Edition
- Up to 128 TB of autoscaling SSD storage
- Six-way replication across three Availability Zones
- Up to 15 read replicas with replica lag under 10-ms
- Automatic monitoring with failover

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Choosing Multi-AZ Deployment Aurora Database

General Immersion x RDS | ap-south-1 x MySQL PostgreSQL x Australia is inviting x Devops - Google x Start Course | Intel x

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:

aws Services Search [Alt+S]

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Availability & durability

Multi-AZ deployment [Info](#)

☒ Create an Aurora Replica or Reader node in a different AZ (recommended for scaled availability)
Creates an Aurora Replica for fast failover and high availability.

☐ Don't create an Aurora Replica

Connectivity [Info](#)

Compute resource
Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.

☒ Don't connect to an EC2 compute resource
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.

☐ Connect to an EC2 compute resource
Set up a connection to an EC2 compute resource for this database.

Network type [Info](#)

To use dual-stack mode, make sure that you associate an IPv6 CIDR block with a subnet in the VPC you specify.

☒ IPv4
Your resources can communicate only over the IPv4 addressing protocol.

☐ Dual-stack mode
Your resources can communicate over IPv4, IPv6, or both.

Aurora MySQL-Compatible Edition

Aurora MySQL is Amazon's enterprise-class MySQL-compatible database.

Aurora MySQL offers:

- Up to five times the throughput of MySQL Community Edition
- Up to 128 TB of autoscaling SSD storage
- Six-way replication across three Availability Zones
- Up to 15 read replicas with replica lag under 10-ms
- Automatic monitoring with failover

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Creating Two Reader Instance

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MySQL PostgreSQL

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ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#database:id=database-1-instance-1-ap-south-1a;is-cluster=false;tab=c...

aws Services Search [Alt+S]

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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

Events

Event subscriptions

RDS > Databases > database-1 > database-1-instance-1-ap-south-1a

database-1-instance-1-ap-south-1a

Modify Actions

Related

Filter by databases

DB identifier	Status	Role	Engine	Region & AZ	Size
database-1	Available	Regional cluster	Aurora MySQL	ap-south-1	3 instances
database-1-instance-1	Available	Writer instance	Aurora MySQL	ap-south-1c	db.t3.medium
database-1-instance-1-ap-south-1a	Available	Reader instance	Aurora MySQL	ap-south-1a	db.t3.medium
reader-2	Available	Reader instance	Aurora MySQL	ap-south-1b	db.t3.medium

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Recommendations

Connectivity & security

Endpoint & port

Networking

Security

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Module 7: DynamoDB Assignment

Problem Statement:

You work for XYZ Corporation. Their application requires a database service that can store data which can be retrieved if required. Implement a suitable service for the same.

While migrating, you are asked to perform the following tasks:

1. Create a DynamoDB table with partition key as ID.
2. Add 5 items to the DynamoDB table.
3. Take backup and delete the table.

Creating DynamoDB Table with Partition Key :ID

The screenshot shows the AWS Management Console interface for creating a new DynamoDB table. The browser address bar indicates the URL is `ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#create-table`. The console header includes the AWS logo, a search bar, and navigation links for various services like EC2, S3, IAM, and VPC. The user is logged in as 'prakash24' from the 'Mumbai' region.

The main content area is titled 'Create table' and includes a breadcrumb trail: `DynamoDB > Tables > Create table`. Below the title, there is a section for 'Table details' with an 'Info' link. A descriptive text states: 'DynamoDB is a schemaless database that requires only a table name and a primary key when you create the table.'

The 'Table name' section contains a text input field with the value 'EmployeeTable'. A note below the field specifies: 'Between 3 and 255 characters, containing only letters, numbers, underscores (_), hyphens (-), and periods (.).'

The 'Partition key' section includes a text input field with the value 'ID' and a dropdown menu set to 'String'. A note below the field states: '1 to 255 characters and case sensitive.'

The 'Sort key - optional' section includes a text input field with the value 'EmailID' and a dropdown menu set to 'String'. A note below the field states: '1 to 255 characters and case sensitive.'

The footer of the console shows links for 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates, along with links for 'Privacy', 'Terms', and 'Cookie preferences'.

Adding item in DynamoDB Table

General Imme

Create item

Australia is in

Devops - Goo

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Basic operatio

ChatGPT

ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#edit-item?itemMode=1&route=ROUTE_ITEM_EXP...

aws

Services

Search

[Alt+S]

EC2

EC2 Image Builder

S3

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VPC

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DynamoDB

Explore items: EmployeeTable

Create item

Create item

FormJSON view

You can add, remove, or edit the attributes of an item. You can nest attributes inside other attributes up to 32 levels deep. [Learn more](#)

Attributes

Add new attribute

Attribute name	Value	Type	
ID - Partition key	101	String	
EmailID - Sort key	ram.kumar@gmail.com	String	
Name	Ram Kumar	String	Remove

Cancel

Create item

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5 items added in DynamoDB Table

General Imme

Items | Amaz

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ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#item-explorer?operation=SCAN&table=Employee...

aws

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DynamoDB

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Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations New

Reserved capacity

Settings

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

EmployeeTable

Table - EmployeeTable

All attributes

▶ Filters

Run Reset

✔ Completed. Read capacity units consumed: 0.5

×

Items returned (5)

🔄

Actions ▼

Create item

< 1 > ⚙️ 🗖️

<input type="checkbox"/>	ID (String) ▼	EmailID (String) ▼	Name ▼
<input type="checkbox"/>	103	tina.roy@gmail.com	Tina Roy
<input type="checkbox"/>	102	sanjay.jain@gmail.com	Sanjay Jain
<input type="checkbox"/>	104	mahesh.thi@gmail.com	Mahesh Thi
<input type="checkbox"/>	105	arjun.singh@gmail.com	Arjun Singh
<input type="checkbox"/>	101	ram.kumar@gmail.com	Ram Kumar

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Creating a backup of DynamoDB Table

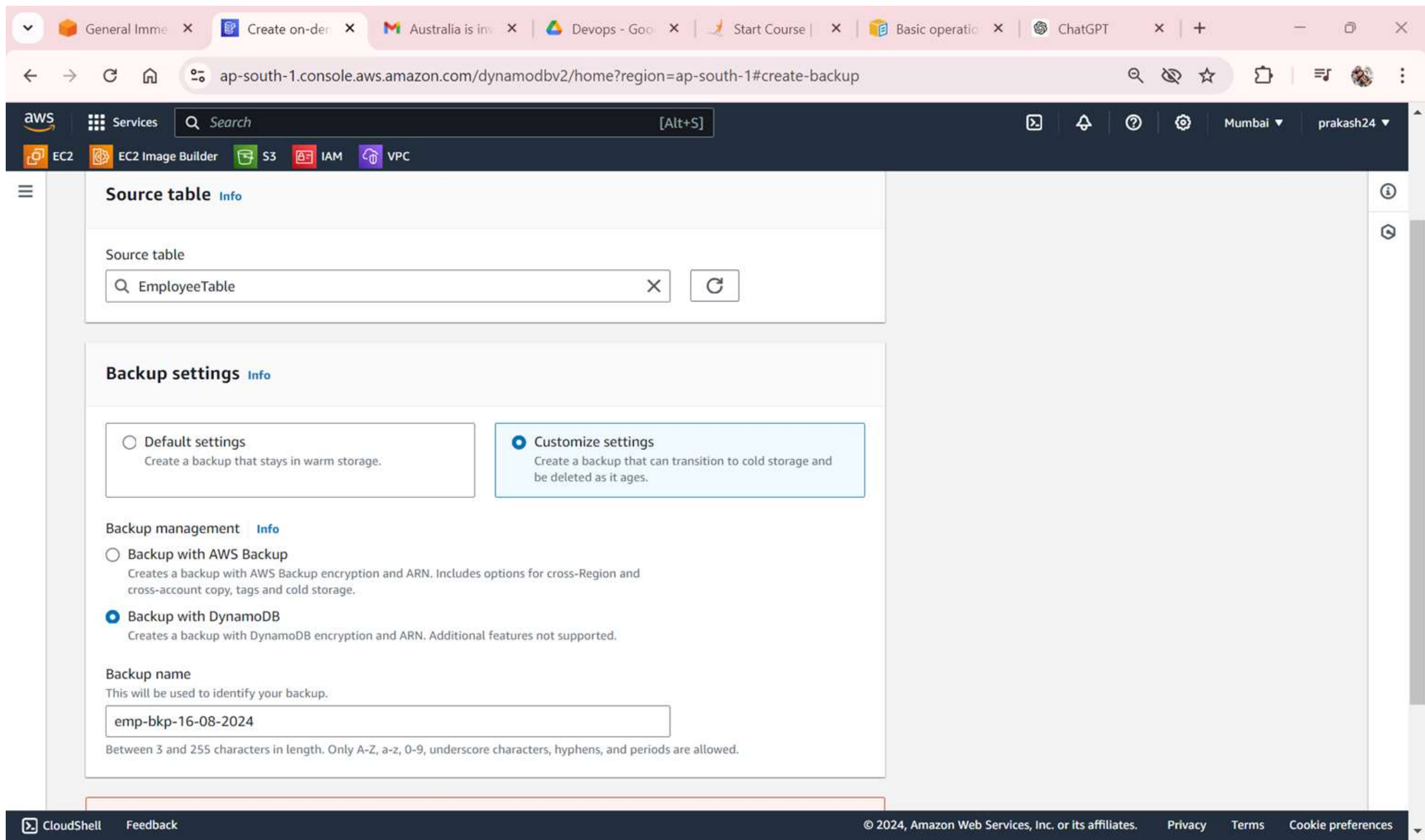


Table backup is available

General Imme

List backups

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ChatGPT

ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#list-backups

aws

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DynamoDB

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DAX

Clusters

Subnet groups

Parameter groups

Events

The emp-bkp-16-08-2024 backup has been created successfully.

DynamoDB > Backups

Backups

Backup settings

Settings apply to new backups in this account and Region.

Advanced features with AWS Backup

Activated

Allow options for cross-Region and cross-account copy, cost allocation tags, and cold storage tiering for backups.

Turn off

Backups (1)

Schedule automatic backups and view backup job details in AWS Backup

Find backups by ARN or name

	Name	Table	Status	Creation ...	ARN	Size
<input type="checkbox"/>	emp-bkp-16-08-2024	EmployeeTable	Available	August 16, ...	arn:aws:dynamodb:ap-s	0 b

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Delete DynamoDB Table successfully

General Imme

List tables | Ar

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ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#tables

aws

Services

Search

[Alt+S]

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DynamoDB

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Imports from S3

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▼ DAX

Clusters

Subnet groups

Parameter groups

Events

✓ The request to delete the "EmployeeTable" table has been submitted successfully. ✕ ⓘ

DynamoDB > Tables

Tables (0) Info

🔄 Actions ▼ Delete Create table

Any tag key ▼ Any tag value ▼ < 1 > ⚙️

Na... ▲ Stat... Partition key Sort key Indexes Deletion protection Read capacity mode Write capacity mo.

You have no tables in this account in this AWS Region.

Create table

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Module 7: Redshift Assignment

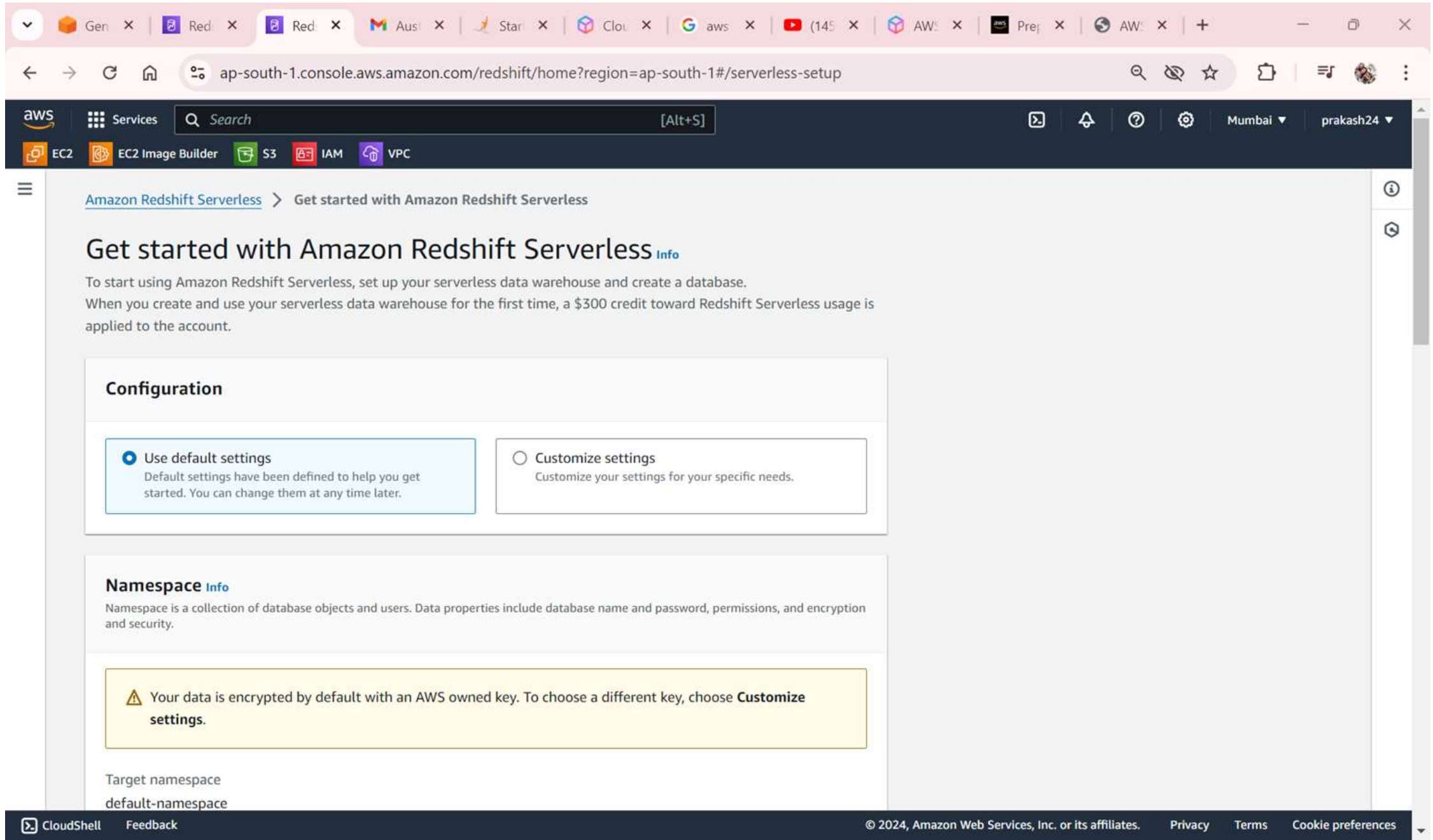
Problem Statement:

You work for XYZ Corporation. Their application requires a database service that can store data which can be retrieved if required. Implement suitable service for the same.

While migrating, you are asked to perform the following tasks:

1. Create a Redshift data warehouse.
2. Using the query editor:
 - a. Load some data
 - b. Query the data

Creating Redshift Warehouse



Creating a IAM Role for Redshift Warehouse

Gen xRed xRed xAus xStar xClou xaws x(145 xAWS xPrep xAW x+

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ap-south-1.console.aws.amazon.com/redshift/home?region=ap-south-1#/serverless-setup

aws

Services

Search

[Alt+S]

📦 EC2

📦 EC2 Image Builder

📦 S3

📦 IAM

📦 VPC

📧

🔔

?

⚙️

Mumbai ▾

prakash24 ▾

services, such as Amazon S3, Amazon CloudWatch logs, Amazon SageMaker, and AWS Glue. You won't be able to run these SQL commands without an IAM role attached to your namespace.

✔️ The IAM role [AmazonRedshift-CommandsAccessRole-20240816T211408](#) was successfully created and set as the default.

Associated IAM roles (1)

Set default ▾

Manage IAM roles ▾

Create, associate, or remove an IAM role. You can associate up to 50 IAM roles. You can also choose an IAM role and set it as the default.

🔍 Search for associated IAM role by name, status, or role type

< 1 >

<input type="checkbox"/>	<div>IAM roles 🔗</div>	Status ▾	Role type ▾
<input type="checkbox"/>	AmazonRedshift-CommandsAccessRole-20240816T211408	Not applied	Default

Encryption and security

AWS KMS encryption

AWS owned KMS key

Audit logging

Off

CloudShell

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Default Namespace on Redshift Warehouse

Gener xRedsh xRedsh xEditor xAustra xStart xCloud xaws x(145) xAWS x+

←→↻🏠🔍👁️☆📁🎵👤⋮

ap-south-1.console.aws.amazon.com/redshift/home?region=ap-south-1#/serverless-namespace?namespace=default-namespace

awsServices🔍Search[Alt+S]

📁EC2📁EC2 Image Builder📁S3📁IAM📁VPC

📁🔔🔍⚙️Mumbai ▾prakash24 ▾

Amazon Redshift Serverless > Namespace configuration > default-namespace

default-namespace Info

🔄Actions ▾Query data 📄

General information

Namespace default-namespace	Status 🟢 Available	Admin user name admin
Namespace ID de52ae2a-687d-4ba7-849a-edb4ceae7a24	Date created August 16, 2024, 21:14 (UTC+05:30)	Database name dev
Namespace ARN 📄 arn:aws:redshift-serverless:ap-south-1:654654393526:namespace/de52ae2a-687d-4ba7-849a-edb4ceae7a24	Storage used 405.5 MB	Total table count -

Workgroup

Data backup

Database

Security and encryption

Datashares

Zero-ETL integrations

Resource policy

Tags

Workgroup name

Set up compute resources for your workgroup.

Actions ▾

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Connecting to the default workgroup

The screenshot shows the AWS Redshift query editor v2 interface in a web browser. The browser's address bar displays the URL: `ap-south-1.console.aws.amazon.com/sqlworkbench/home?region=ap-south-1#/client`. The interface includes a top navigation bar with the AWS logo, a search bar, and a user profile dropdown for 'prakash24'. A left sidebar contains navigation links for Editor, Queries, Notebooks, Charts, History, and Scheduled queries. The main workspace is titled 'Redshift query editor v2' and features a 'Serverless: default-workgroup' resource selected. A modal dialog box titled 'Connect to default-workgroup' is open, presenting four connection methods: IAM Identity Center, Other ways to connect (selected), Federated user, Database user name and password, and AWS Secrets Manager. The 'Database' field is set to 'dev'. At the bottom of the dialog are 'Cancel' and 'Create connection' buttons. The footer of the page includes 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc. or its affiliates, along with links for Privacy, Terms, and Cookie preferences.

ap-south-1.console.aws.amazon.com/sqlworkbench/home?region=ap-south-1#/client

aws Services Search [Alt+S]

EC2 EC2 Image Builder S3 IAM VPC

Redshift query editor v2

Editor

Create Load data

Filter resources

Serverless: default-workgroup

Queries

Notebooks

Charts

History

Scheduled queries

Connect to default-workgroup

☐ IAM Identity Center
Connect to Amazon Redshift with your single sign-on credentials from your identity provider (IdP). Your cluster or workgroup must be enabled for IAM Identity Center.

☒ Other ways to connect [Learn more](#)

☒ Federated user
The query editor v2 generates a temporary password to connect to the database.

☐ Database user name and password
Provide a database user and password for the database that you are connecting to. The query editor v2 stores your credentials in AWS Secrets Manager on your behalf.

☐ AWS Secrets Manager
Choose a secret with credentials that are associated with the namespace or that you created in AWS Secrets Manager. Only secrets tagged with a key starting with 'Redshift' are listed.

Database

dev

The database name must be 1-64 characters. Valid characters are lowercase alphanumeric characters.

Cancel Create connection

Row 1, Col 1, Chr 0

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Loading data

The screenshot shows the AWS Redshift query editor v2 interface with the 'Load data' dialog box open. The dialog is configured to load data from an S3 bucket. The 'Data source' section has 'Load from S3 bucket' selected. The 'S3 URI' is 's3://samplebucket-redshift'. The 'File format' is 'CSV'. The 'Delimiter character' is ','. The 'Ignore header rows' checkbox is checked with a value of 1. The 'Advanced settings' section has 'Data conversion parameters' and 'Load operations' buttons. The background shows the Redshift query editor with a table named 'category' and a SQL query.

Data source

☒ Load from S3 bucket ☐ Load from local file

S3 URI: s3://samplebucket-redshift Browse S3

S3 file location Manifest file

File format: CSV File options > No compression

Delimiter character: ,
Specifies the single ASCII character that is used to separate fields in the input file, such as a pipe character (|), a comma (,), or a tab (\t).

☒ Ignore header rows: 1
Treats the specified number_rows as a file header and doesn't load them. Use this option to skip file headers in all files in a parallel load.

Advanced settings Data conversion parameters > Load operations >

Cancel Next

Redshift query editor v2

Editor

Filter resources

Tables

- category
- date
- event
- listing
- sales
- users

category

Distribution key: catid
Sort key: catid
Sort type: Compound

	Field	Type
#	catid	smallint
A	catgroup	character varying
A	catname	character varying
A	catdesc	character varying

SQL query: `select catid, catgroup, catname, catdesc from category order by total_price desc`

Running Query

Gen

Upl

Red

Edit

Aus

Star

Clou

aws

(145

AW

CSV

ap-south-1.console.aws.amazon.com/sqlworkbench/home?region=ap-south-1#/client/

Search

Mumbai

prakash24

Services

EC2

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Redshift query editor v2

Create

Load data

Filter resources

Serverless: default-work...

awsdatacatalog

dev

public

Tables

Views

Run

Limit 100

Explain

Isolated session

Serverless: de...

sample_data_...

Schedule

```
1 SELECT
2 *
3 FROM
4 "sample_data_dev"."tickit"."category";
```

category

Distribution key: catid

Sort key: catid

Sort type: Compound

	Field	Type	NL
#	catid	smallint	NN
A	catgroup	character varying(10)	NULL
A	catname	character varying(10)	NULL

Result 1 (11)

Export

Chart

	catid	catgroup	catname	catdesc
<input type="checkbox"/>	3	Sports	NFL	National Football League
<input type="checkbox"/>	8	Shows	Opera	All opera and light opera
<input type="checkbox"/>	6	Shows	Musicals	Musical theatre
<input type="checkbox"/>	11	Concerts	Classical	All symphony, concerto, a...
<input type="checkbox"/>	1	Sports	MLB	Major League Baseball
<input type="checkbox"/>	10	Concerts	Jazz	All jazz singers and bands
<input type="checkbox"/>	2	Sports	NHL	National Hockey League
<input type="checkbox"/>	9	Concerts	Pop	All rock and pop music co...

Row 4, Col 43, Chr 63

CloudShell

Feedback

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