

Lesson 06 Demo 04

Creating a RDS MySQL Database

Objective: To demonstrate the process of creating an Amazon RDS MySQL database using the AWS Management Console

Tools required: AWS WorkSpaces

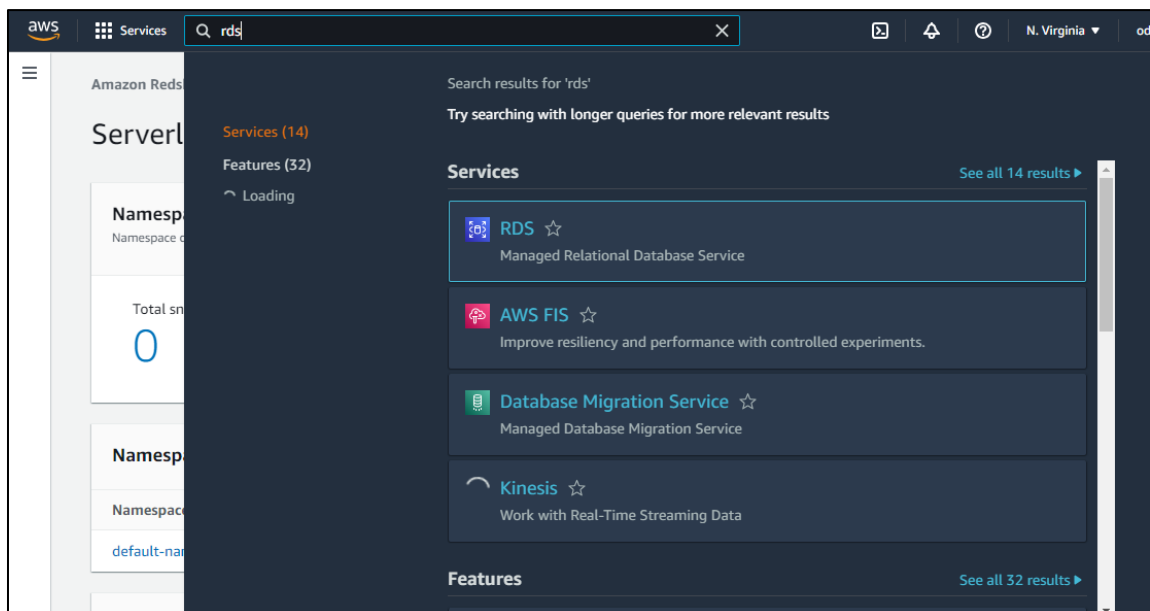
Prerequisites: AWS account

Steps to be followed:

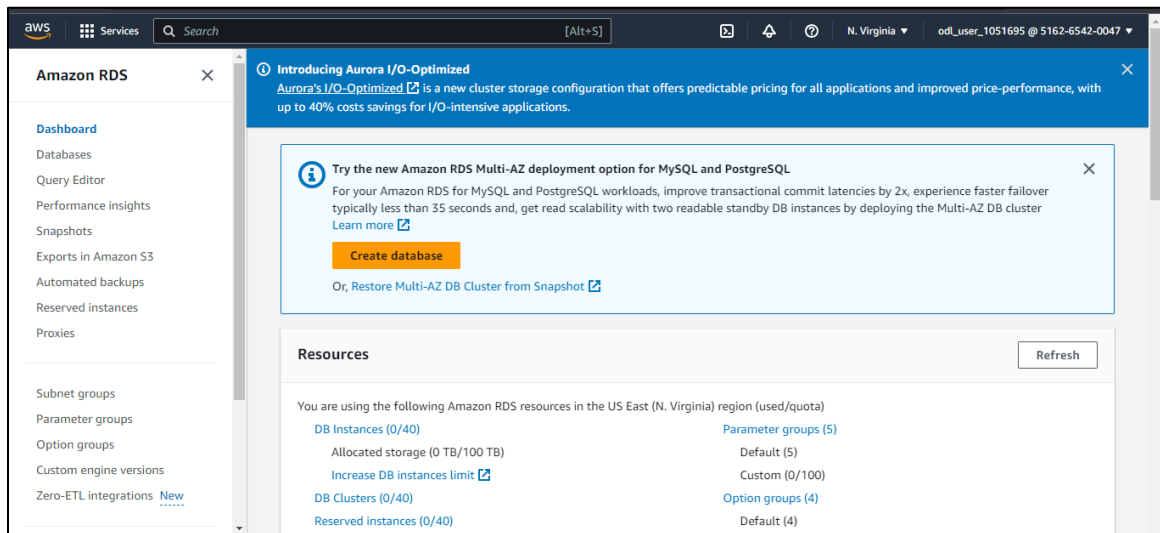
1. Create a RDS database

Step 1: Create a RDS database

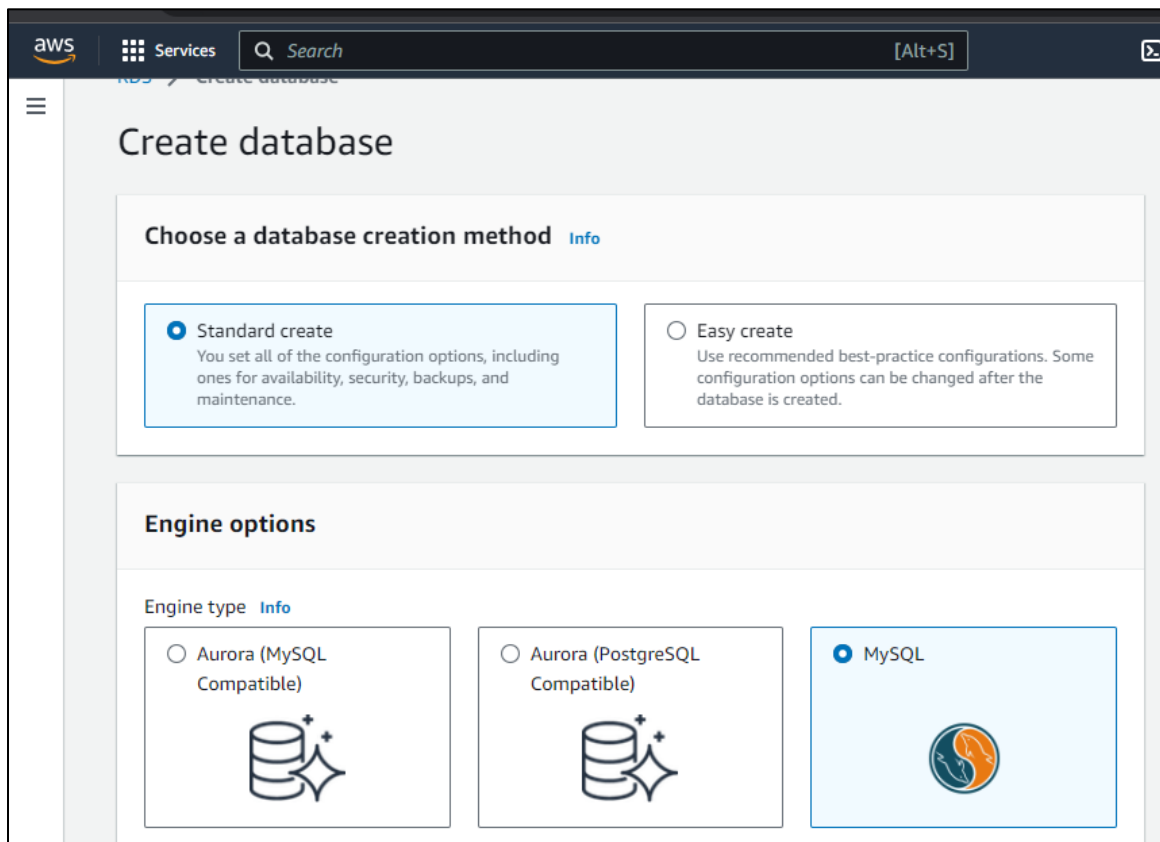
- 1.1 In the console navigation pane, search for and select **RDS**



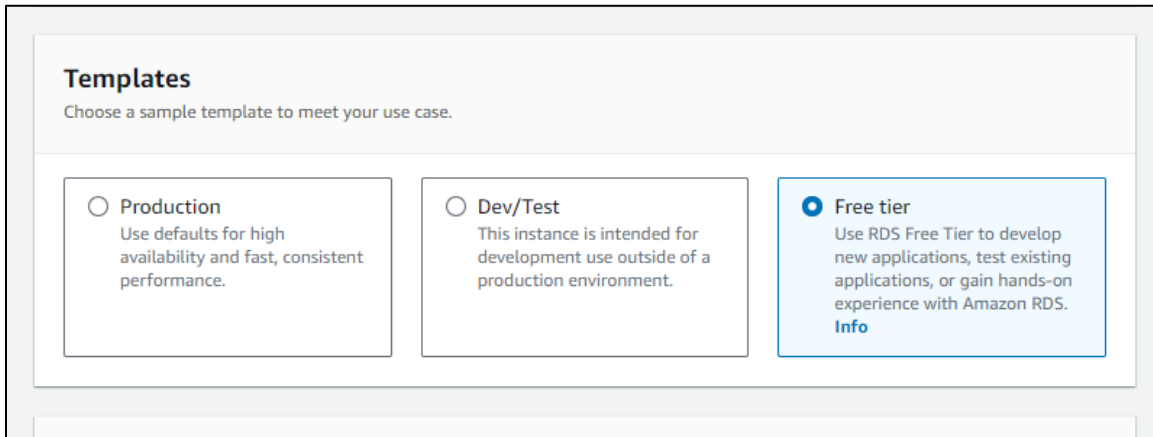
1.2 Click on Create database



1.3 Choose **Standard create** as the database creation method and **MySQL** as the Engine option



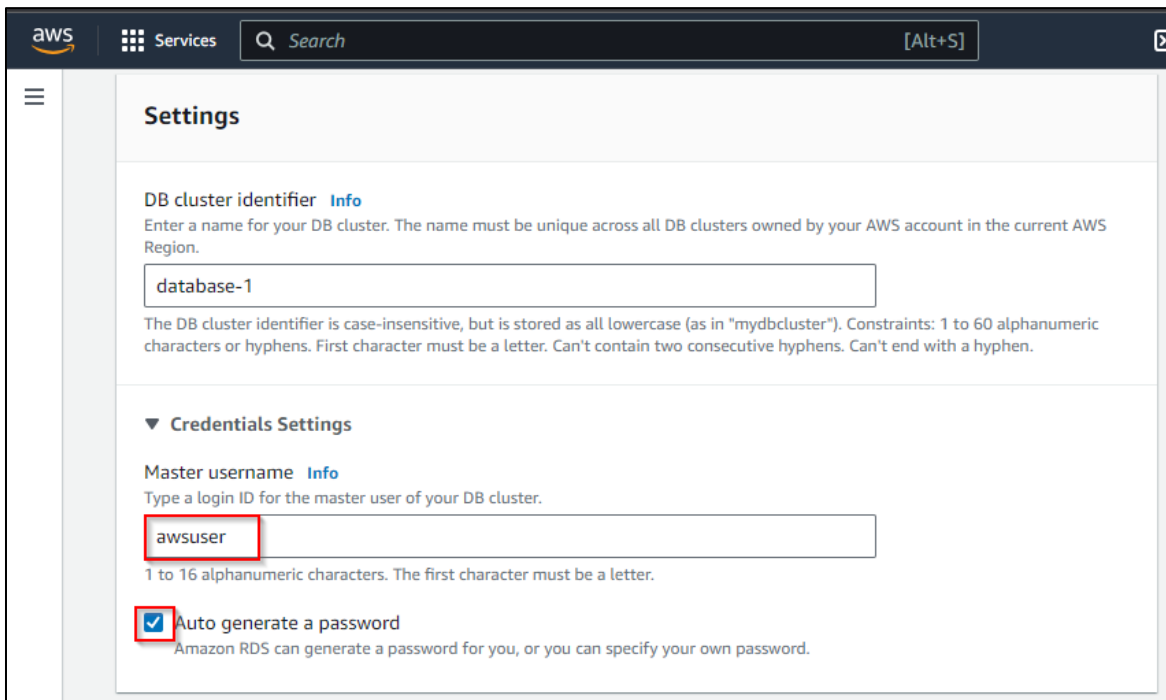
1.4 Choose the **Free tier** under the **Templates** section



Templates
Choose a sample template to meet your use case.

- ☐ **Production**
Use defaults for high availability and fast, consistent performance.
- ☐ **Dev/Test**
This instance is intended for development use outside of a production environment.
- ☒ **Free tier**
Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS. [Info](#)

1.5 Enter the **Master username** as **awsuser** and select **Auto generate a password**



Settings

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 cluster.

awsuser

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

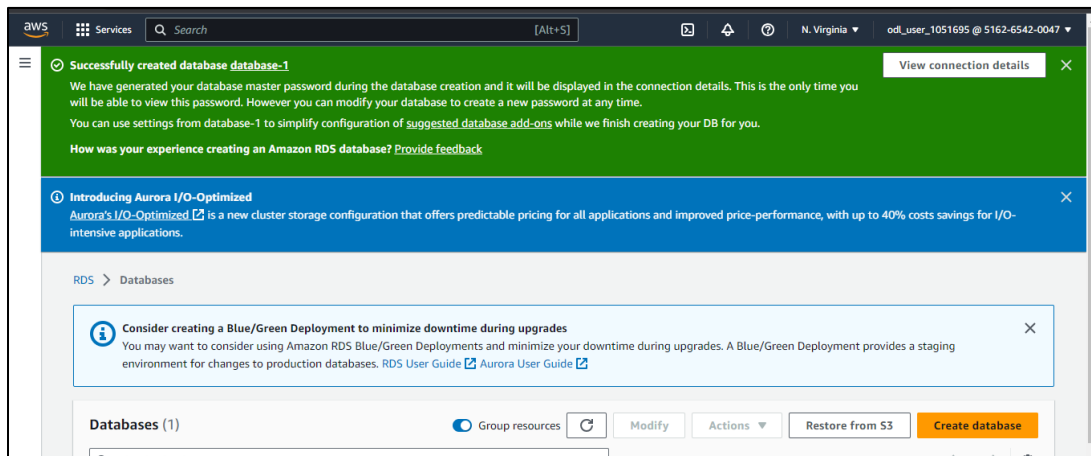
☒ **Auto generate a password**
Amazon RDS can generate a password for you, or you can specify your own password.

1.6 Choose **us-east-1a** as the **Availability Zone**

The screenshot shows the AWS console interface for configuring a VPC security group. The 'Availability Zone' dropdown menu is highlighted with a red box and contains the text 'us-east-1a'. Other visible options include 'Choose existing', 'Create new', and 'Existing VPC security groups'.

1.7 Click the **Create database** button

The screenshot shows the AWS console interface for the 'Estimated monthly costs' section. The 'Create database' button is highlighted in orange at the bottom right. The page displays information about the Amazon RDS Free Tier, including a list of resources available for free (750 hrs of Amazon RDS, 20 GB of General Purpose Storage, and 20 GB for automated backup storage).



The database has been created successfully.

By following these steps, you have successfully established an RDS instance using the MySQL engine to utilize the database for various applications and data management purposes.