

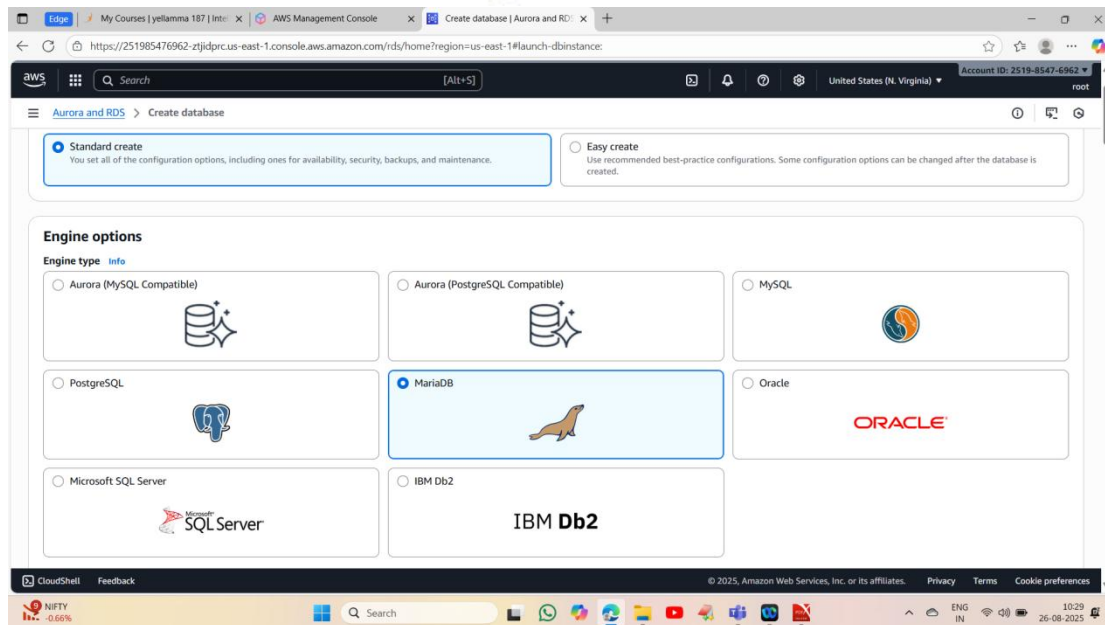
Problem Statement:

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

1. Create a MariaDB Engine based RDS Database.



Edge | My Courses | yetlamma 187 | In... | AWS Management Console | Databases | Aurora and RDS | us-... | Inbox - yetlamma.187@gmail.com | +

https://251985476962-ztjdpcr.us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databases:

AWS Aurora and RDS Databases

Successfully created database mariadb-demo

You can use settings from mariadb-demo to simplify configuration of suggested database add-ons while we finish creating your DB for you.

View connection details

Databases (1)

Filter by databases

DB identifier

mariadb-d...

Subnet groups

Parameter groups

Option groups

Custom engine versions

Zero-ETL integrations

Events

Event subscriptions

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BSE midcap -0.90%

Search

10:48 26-08-2025

HeidiSQL 12.11.0.7065 - Session manager: Unnamed-3

Filter

Session name	Host
Unnamed-3 *	127.0...
Unnamed-2	127.0...
Unnamed-1	127.0...
Unnamed	127.0...

Settings SSH tunnel Advanced SSL Statistics

Network type: MariaDB or MySQL (TCP/IP)

Library: libmariadb.dll

Hostname / IP: 127.0.0.1

☐ Prompt for credentials

☐ Use Windows authentication

User: admin

Password:

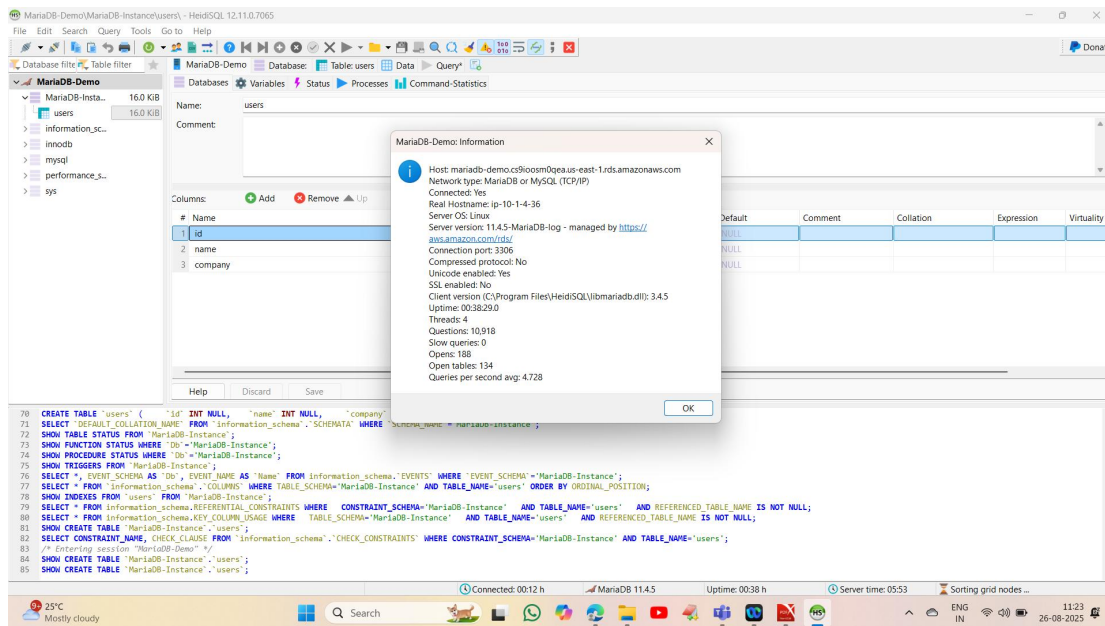
Port: 3306

☐ Compressed client/server protocol

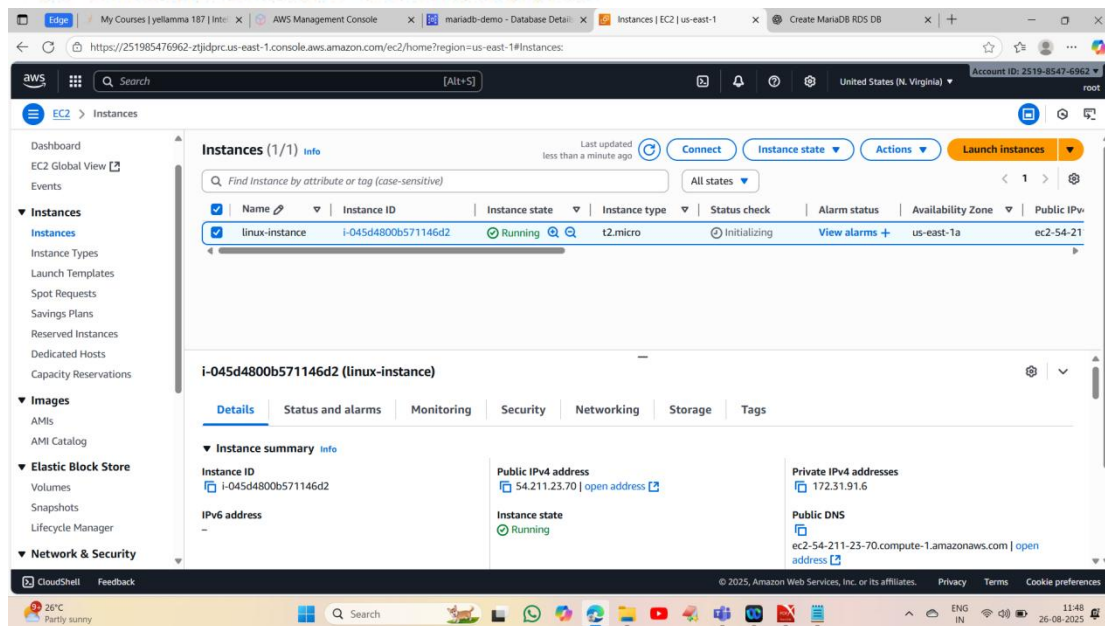
Databases: Separated by semicolon

Comment:

New Save Delete Open Cancel More



b. Linux based EC2 Instance



Edge Databases | Aurora and RDS | Instances | EC2 | us-east-1 EC2 Instance Connect | us-east-1 MariaDB install EC2 Linux

https://251985476962-ztjdprc-us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-1&connType=standard&instanceId=i-045d4800b571146d2&osUser=ec2-user&ss... Account ID: 2519-8547-6962 root

Search [Alt+S]

United States (N. Virginia)

Error: Unable to find a match: mariadb
[ec2-user@ip-172-31-91-6 ~]\$ sudo yum install -y mariadb105
Last metadata expiration check: 0:17:41 ago on Tue Aug 26 06:19:54 2025.
Dependencies resolved.

Package	Architecture	Version	Repository	Size
Installing: mariadb105	x86_64	3:10.5.29-1.amzn2023.0.1	amazonlinux	1.5 M
Installing dependencies: mariadb-connector-c	x86_64	3.3.10-1.amzn2023.0.1	amazonlinux	211 k
mariadb-connector-c-config	noarch	3.3.10-1.amzn2023.0.1	amazonlinux	9.9 k
mariadb105-common	x86_64	3:10.5.29-1.amzn2023.0.1	amazonlinux	28 k
perl-Sys-Hostname	x86_64	1.23-477.amzn2023.0.7	amazonlinux	16 k

Transaction Summary
Install 5 Packages
Total download size: 1.8 M
Installed size: 19 M
Downloading Packages:
(1/5): mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch.rpm 276 kB/s | 9.9 kB 00:00
(2/5): mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64.rpm 5.2 MB/s | 211 kB 00:00
(3/5): mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64.rpm 1.5 MB/s | 28 kB 00:00
(4/5): mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64.rpm 22 MB/s | 1.5 MB 00:00
(5/5): perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64.rpm 503 kB/s | 16 kB 00:00
Total 17 MB/s | 1.8 MB 00:00

i-045d4800b571146d2 (linux-instance)
PublicIPs: 54.211.23.70 PrivateIPs: 172.31.91.6

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Edge Databases | Aurora and RDS | Instances | EC2 | us-east-1 EC2 Instance Connect | us-east-1 MariaDB install EC2 Linux

https://251985476962-ztjdprc-us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh/home?region=us-east-1&connType=standard&instanceId=i-045d4800b571146d2&osUser=ec2-user&ss... Account ID: 2519-8547-6962 root

Search [Alt+S]

United States (N. Virginia)

```
Installing      : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64 2/5
Installing      : mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64 3/5
Installing      : perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64 4/5
Installing      : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64 5/5
Running scriptlet: mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64 5/5
Verifying       : mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64 1/5
Verifying       : mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch 2/5
Verifying       : mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64 3/5
Verifying       : mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64 4/5
Verifying       : perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64 5/5

Installed:
mariadb-connector-c-3.3.10-1.amzn2023.0.1.x86_64 mariadb-connector-c-config-3.3.10-1.amzn2023.0.1.noarch mariadb105-3:10.5.29-1.amzn2023.0.1.x86_64
mariadb105-common-3:10.5.29-1.amzn2023.0.1.x86_64 perl-Sys-Hostname-1.23-477.amzn2023.0.7.x86_64

Complete!
[ec2-user@ip-172-31-91-6 ~]$ mysql --version
mysql Ver 15.1 Distrib 10.5.29-MariaDB, for Linux (x86_64) using EditLine wrapper
[ec2-user@ip-172-31-91-6 ~]$ mysql -h "mariadb-demo.cs9ioosm0qea.us-east-1.rds.amazonaws.com" -u "admin" -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 151
Server version: 11.4.5-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)]>
```

i-045d4800b571146d2 (linux-instance)
PublicIPs: 54.211.23.70 PrivateIPs: 172.31.91.6

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