

Assignment 5 – RDS

1- DB

Successfully created database mydbcluster

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

RDS > Databases > mydbcluster

mydbcluster

Related

Filter by databases

DB identifier	Status	Role	Engine	Region & AZ	Size	Actions
mydbcluster	Available	Regional cluster	Aurora MySQL	us-east-1	2 Instances	-
mydbcluster-instance-1	Available	Writer instance	Aurora MySQL	us-east-1d	db.t3.medium	-
mydbcluster-instance-1-us-east-1c	Available	Reader instance	Aurora MySQL	us-east-1c	db.t3.medium	-

Connectivity & security | Monitoring | Logs & events | Configuration | Zero-ETL integrations | Maintenance & backups | Tags

Endpoints (2)

Find resources

Endpoint name	Status	Type	Port
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2- DB SG inbound rule

EC2 > Security Groups > sg-05ee2b2dd700b4eb7

sg-05ee2b2dd700b4eb7 - SG-RDS

Details

Security group name	Security group ID	Description	VPC ID
SG-RDS	sg-05ee2b2dd700b4eb7	Security Group RDS	vpc-012a447626c641f9f
Owner	Inbound rules count	Outbound rules count	
009448477287	1 Permission entry	1 Permission entry	

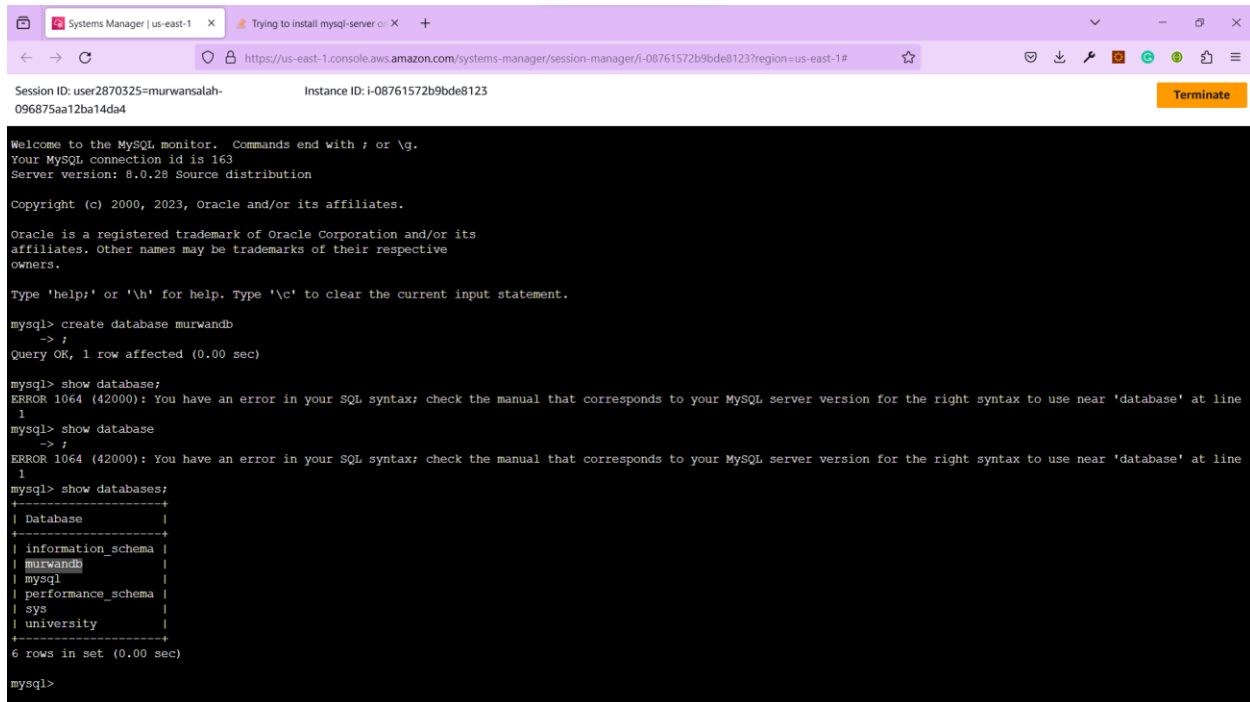
Inbound rules | Outbound rules | Tags

Inbound rules (1)

Search

Type	Protocol	Port range	Source	Description
MySQL/Aurora	TCP	3306	sg-0ce111df973ce9fd9 / my-lab-EC2-server-sg	-

3- Creating the database instance.



The screenshot shows the AWS Systems Manager console interface. At the top, there's a header with 'Systems Manager | us-east-1' and a tab 'Trying to install mysql-server'. The main content area displays the MySQL monitor output for instance ID 'i-08761572b9bde8123'. The output shows the MySQL welcome message, version 8.0.28, and a series of commands being executed in the MySQL prompt. The commands include creating a database named 'murwandb', attempting to show the database (which results in a syntax error), and then showing all databases. The output of 'show databases;' lists 'information_schema', 'murwandb', 'mysql', 'performance_schema', 'sys', and 'university'.

```
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 163
Server version: 8.0.28 Source distribution

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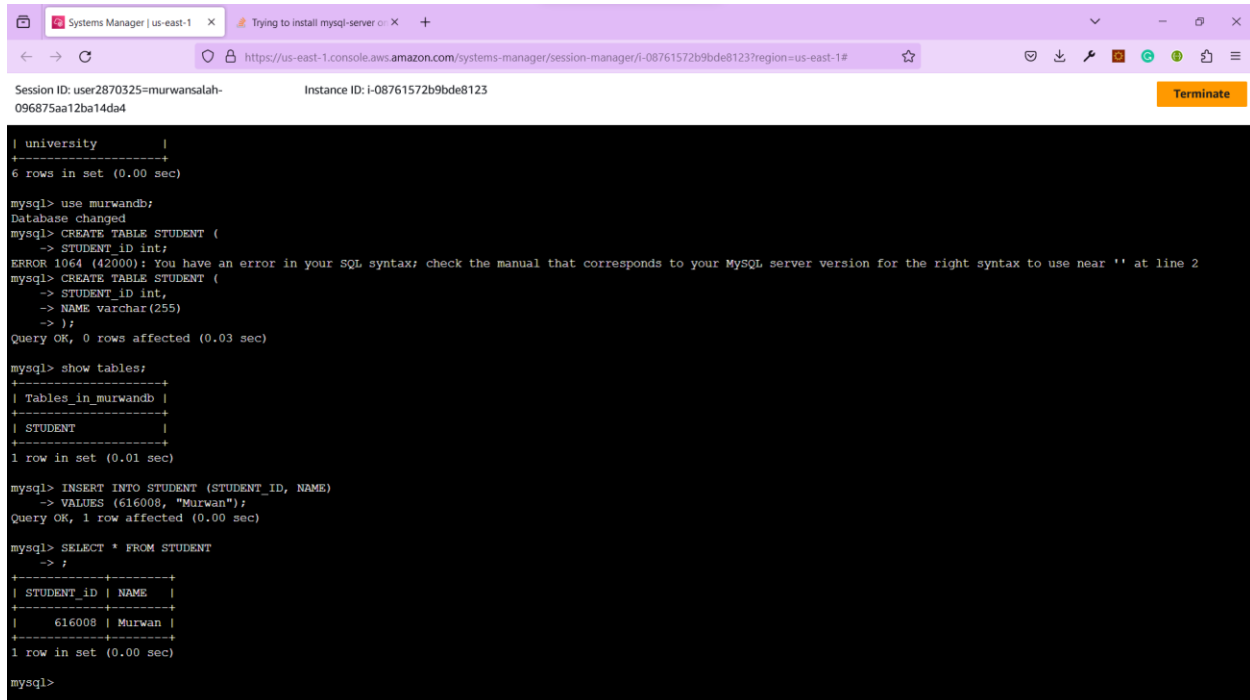
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database murwandb
-> ;
Query OK, 1 row affected (0.00 sec)

mysql> show database;
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 database
-> ;
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 |
+-----+
| information_schema |
| murwandb |
| mysql |
| performance_schema |
| sys |
| university |
+-----+
6 rows in set (0.00 sec)

mysql>
```

4- SQL commands from the primary instance & A record with your name and student id.



This screenshot continues the MySQL monitor session from the previous one. It shows the execution of 'use murwandb;', followed by an attempt to create a table 'STUDENT' with a syntax error. The corrected command is then executed, creating the table. Subsequent commands show the table structure, insert a record with student ID 616008 and name 'Murwan', and finally select all records from the 'STUDENT' table, showing the inserted record.

```
| university |
+-----+
6 rows in set (0.00 sec)

mysql> use murwandb;
Database changed
mysql> CREATE TABLE STUDENT (
-> STUDENT_ID int;
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 '' at line 2
mysql> CREATE TABLE STUDENT (
-> STUDENT_ID int,
-> NAME varchar(255)
-> );
Query OK, 0 rows affected (0.03 sec)

mysql> show tables;
+-----+
| Tables in murwandb |
+-----+
| STUDENT |
+-----+
1 row in set (0.01 sec)

mysql> INSERT INTO STUDENT (STUDENT_ID, NAME)
-> VALUES (616008, "Murwan");
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM STUDENT
-> ;
+-----+-----+
| STUDENT_ID | NAME |
+-----+-----+
| 616008 | Murwan |
+-----+-----+
1 row in set (0.00 sec)

mysql>
```