[KAN-37] Day 4:TASK 1:Create MYSQL DB along with the replica db[Make sure the same in pvt network] Created: 24/Oct/24
Updated: 24/Oct/24 Resolved: 24/Oct/24

Status:	Done
Project:	Alpha
Components:	None
Affects versions:	None
Fix versions:	None

Type:	Task	Priority:	Medium
Reporter:	Sai venkata Sandeep	Assignee:	Gautham Srinivasan
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	🖼 image-20241024-084033.png 🖼 image-20241024-080403.png 🖼 image-20241024-084101.png 🖼 image-20241024-100708.png 🖼 image-20241024-083734.png
Rank:	0|i000ag:

Comments

Comment by Gautham Srinivasan [24/Oct/24]

Created a PrimaryDB

connect with the db

```
root@ip-172-31-26-205:~# mysql -h primarydb.clgcyiwwaoz8.us-east-2.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 40
Server version: 8.0.39 Source distribution

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

mysql>
```

executing 10 sql queries

```
mysql> CREATE DATABASE StudentDB;
Query OK, 1 row affected (0.01 sec)

mysql> USE StudentDB;
Database changed
mysql> CREATE TABLE Students (
    ->     id INT AUTO_INCREMENT PRIMARY KEY,
    ->     name VARCHAR(100) NOT NULL,
    ->     email VARCHAR(100) NOT NULL,
    ->     age INT,
    ->     city VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO Students (name, email, age, city)
    -> VALUES ('John Doe', 'john.doe@example.com', 22, 'New York'),
    ->        ('Jane Smith', 'jane.smith@example.com', 23, 'Los Angeles'),
    ->        ('Mike Johnson', 'mike.johnson@example.com', 21, 'Chicago');
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM Students;
+----+--------------+--------------------------+------+-------------+
| id | name         | email                    | age  | city        |
+----+--------------+--------------------------+------+-------------+
|  1 | John Doe     | john.doe@example.com     |   22 | New York    |
|  2 | Jane Smith   | jane.smith@example.com   |   23 | Los Angeles |
|  3 | Mike Johnson | mike.johnson@example.com |   21 | Chicago     |
+----+--------------+--------------------------+------+-------------+
3 rows in set (0.00 sec)

mysql> UPDATE Students
    -> SET city = 'San Francisco'
    -> WHERE name = 'John Doe';
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```
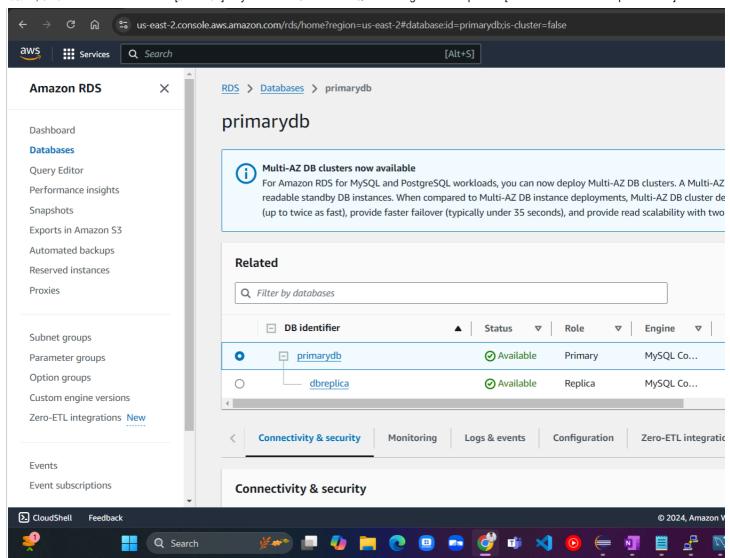
```
mysql> DELETE FROM Students
    -> WHERE name = 'Mike Johnson';
Query OK, 1 row affected (0.01 sec)

mysql> ALTER TABLE Students
    -> ADD COLUMN phone VARCHAR(15);
Query OK, 0 rows affected (0.03 sec)
Records: 0  Duplicates: 0  Warnings: 0

mysql> INSERT INTO Students (name, email, age, city, phone)
    -> VALUES ('Alice Walker', 'alice.walker@example.com', 24, 'Seattle', '123-456-7890');
Query OK, 1 row affected (0.01 sec)

mysql> UPDATE Students
    -> SET phone = '987-654-3210'
    -> WHERE name = 'Jane Smith';
Query OK, 1 row affected (0.00 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

created a replica db

us-east-2.console.aws.amazon.com/rds/home?region=us-east-2#database:id=primarydb;is-cluster=false

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Amazon RDS ✕

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RDS > Databases > primarydb

primarydb

ⓘ **Multi-AZ DB clusters now available**
For Amazon RDS for MySQL and PostgreSQL workloads, you can now deploy Multi-AZ DB clusters. A Multi-AZ
readable standby DB instances. When compared to Multi-AZ DB instance deployments, Multi-AZ DB cluster de
(up to twice as fast), provide faster failover (typically under 35 seconds), and provide read scalability with two

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☐	DB identifier	▲	Status	▽	Role	▽	Engine	▽
◉	☐ primarydb		⊘ Available		Primary		MySQL Co…	
○	└ dbreplica		⊘ Available		Replica		MySQL Co…	

‹ **Connectivity & security** | Monitoring | Logs & events | Configuration | Zero-ETL integratic

Connectivity & security

▷ CloudShell   Feedback

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