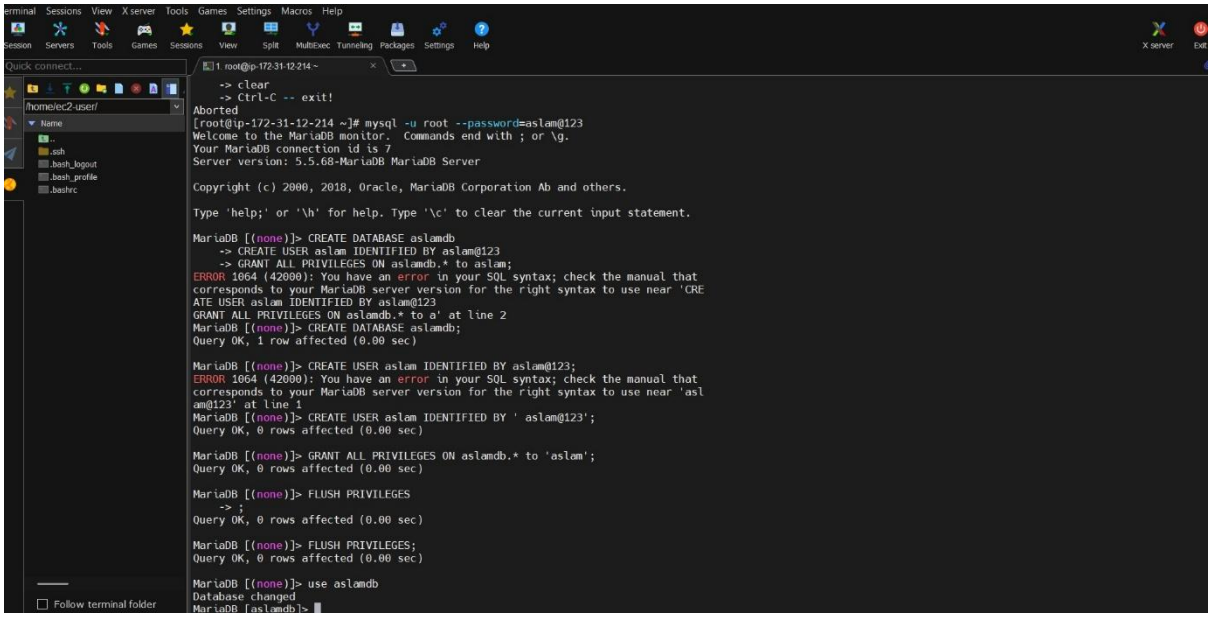
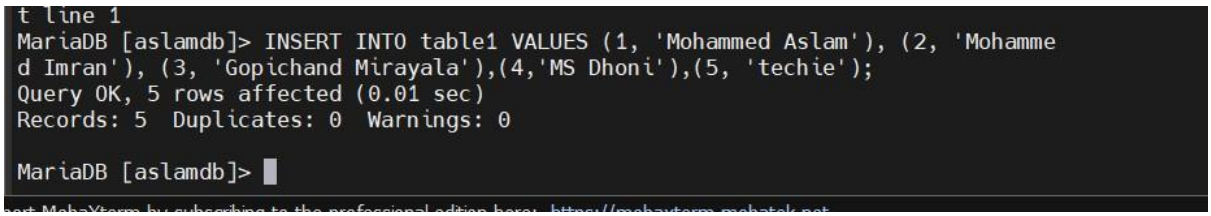
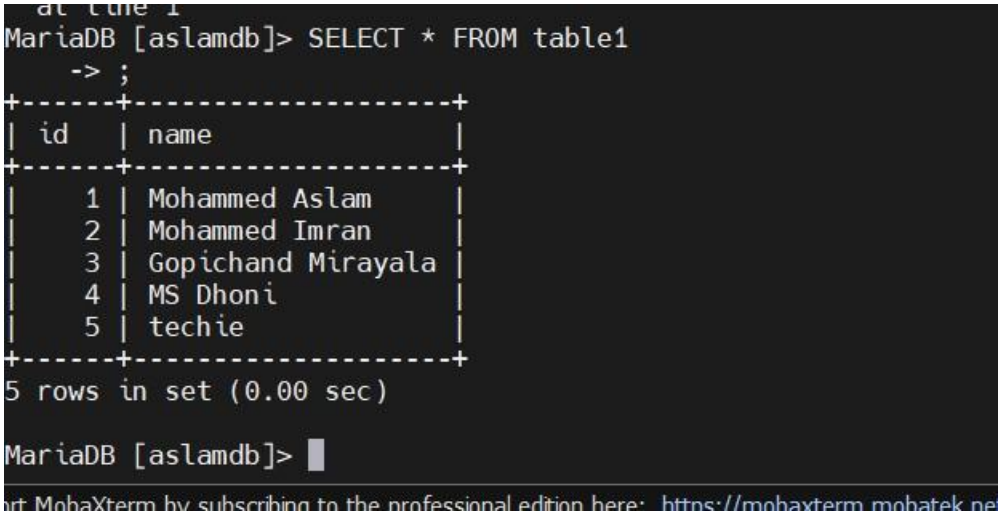
1) Create MariaDB DB on ec2.

Created aslamdb



2) Insert some dummy data

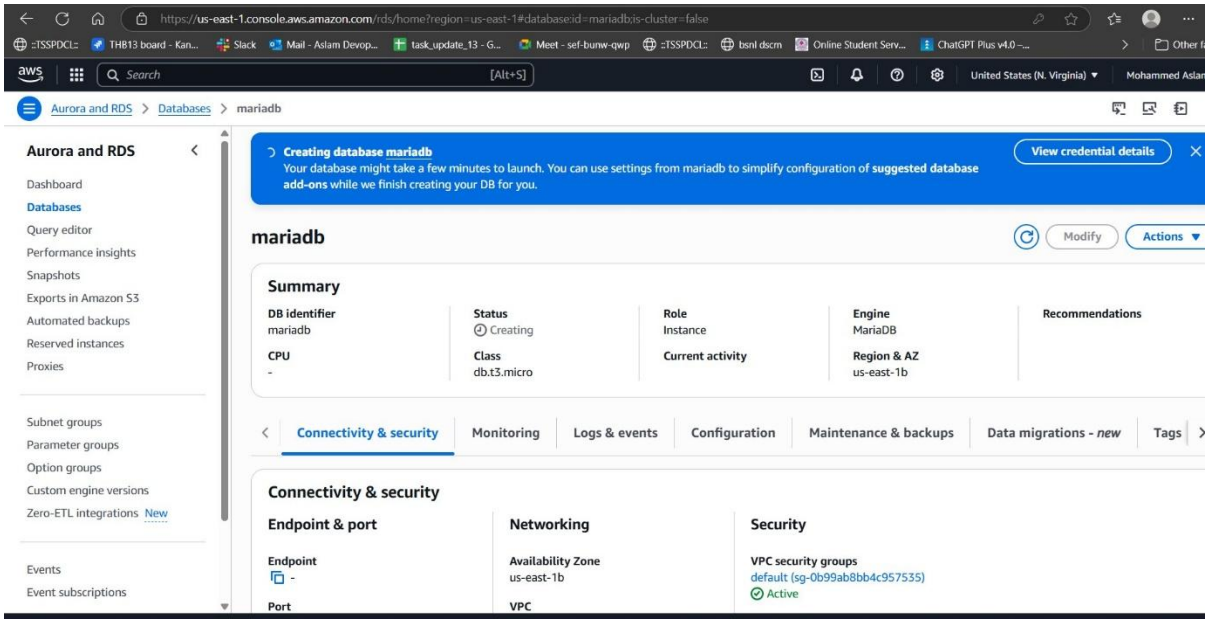




3) Take the backup of dummy data on ec2

```
[root@ip-172-31-12-214 ~]# mysqldump -u root -p aslamdb > aslamdb.sql
Enter password:
[root@ip-172-31-12-214 ~]# ls
aslamdb.sql
```

4) launch MariaDB RDS instance.



5) Migrate database from ec2 to RDS.

mysql -h mariadb.colk064wuf6z.us-east-1.rds.amazonaws.com -P 3306 -u admin -p testrds < aslamdb.sql

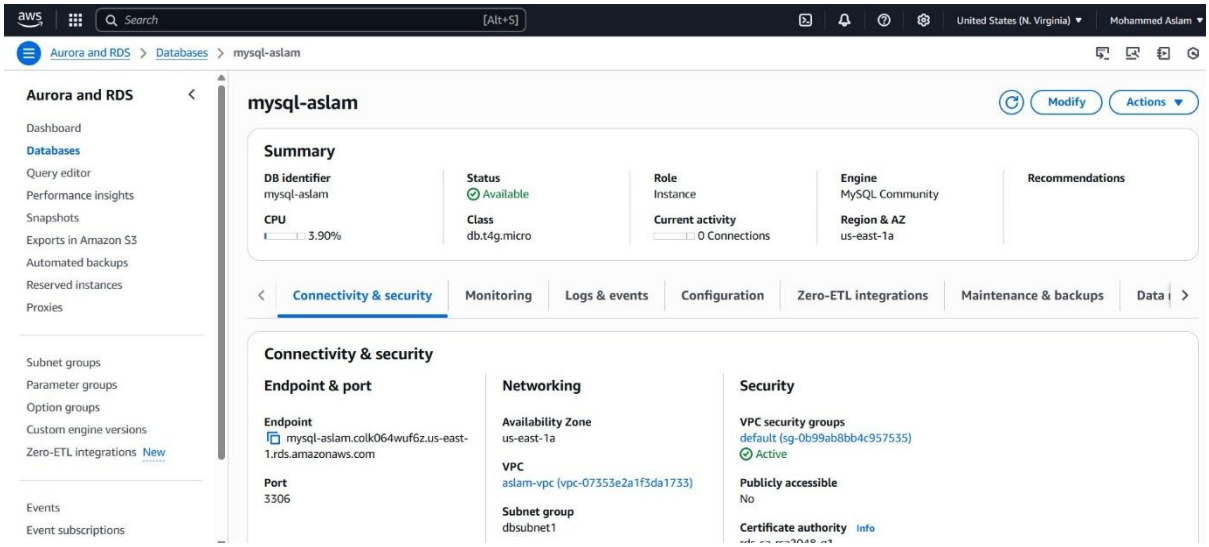
```
MariaDB [(none)]> create database testrds
    -> ;
Query OK, 1 row affected (0.01 sec)

MariaDB [(none)]> show databases
    -> ;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| innodb             |
| mysql              |
| performance_schema |
| sys                |
| testrds            |
+--------------------+
6 rows in set (0.01 sec)

MariaDB [(none)]> exit
Bye
[root@ip-10-0-0-14 ~]# mysql -h mariadb.colk064wuf6z.us-east-1.rds.amazonaws.com -P 3306 -u admin -p testrds < aslamdb.sql
Enter password:
[root@ip-10-0-0-14 ~]#
```

```
[root@ip-10-0-0-14 ~]# mysql -h mariadb.colk064wuf6z.us-east-1.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 160
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)]> use testrds
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MariaDB [testrds]> select * from table1
    -> ;
+------+--------------------+
| id   | name               |
+------+--------------------+
|    1 | Mohammed Aslam     |
|    2 | Mohammed Imran     |
|    3 | Gopichand Mirayala |
|    4 | MS Dhoni           |
|    5 | techie             |
+------+--------------------+
5 rows in set (0.00 sec)

MariaDB [testrds]>
```

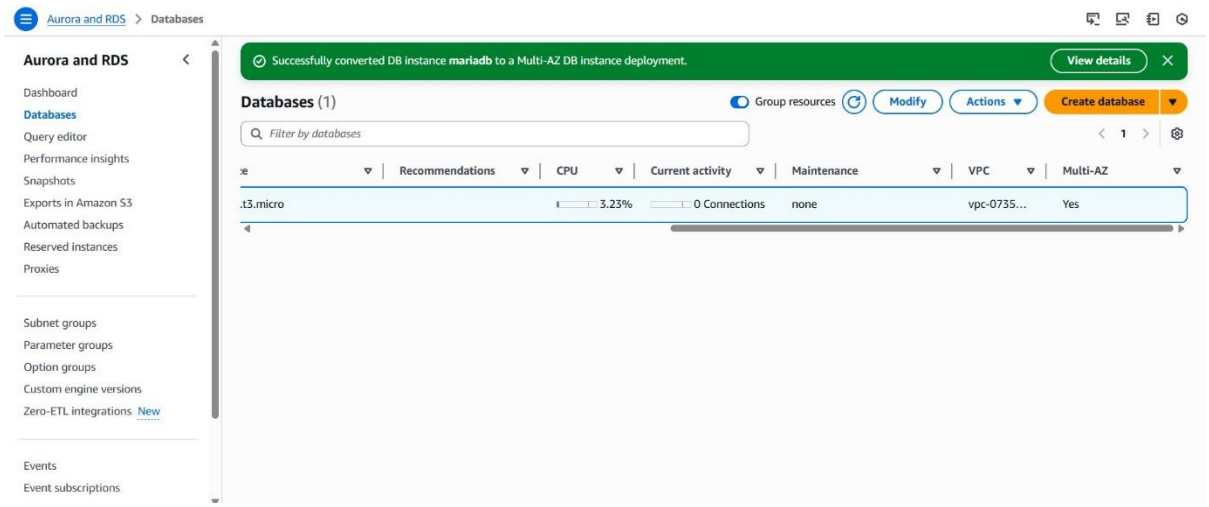
6) Install MySQL DB on ec2

```
1. root@ip-10-0-0-9:~
[root@ip-10-0-0-9 ~]# systemctl status mysqld
● mysqld.service - MySQL Server
     Loaded: loaded (/usr/lib/systemd/system/mysqld.service; enabled; vendor preset: disabled)
     Active: active (running) since Mon 2025-06-23 15:02:03 UTC; 23s ago
       Docs: man:mysqld(8)
             http://dev.mysql.com/doc/refman/en/using-systemd.html
   Main PID: 3709 (mysqld)
     Status: "Server is operational"
     CGroup: /system.slice/mysqld.service
             └─3709 /usr/sbin/mysqld

Jun 23 15:01:56 ip-10-0-0-9.ec2.internal systemd[1]: Starting MySQL Server...
Jun 23 15:02:03 ip-10-0-0-9.ec2.internal systemd[1]: Started MySQL Server.
[root@ip-10-0-0-9 ~]#
```

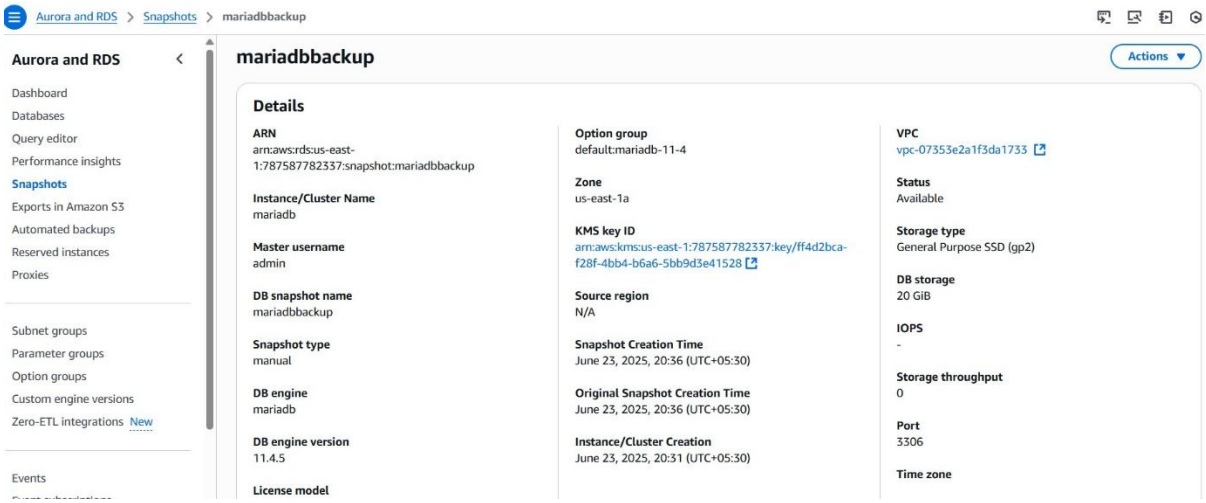
7) Launch MySQL RDS image

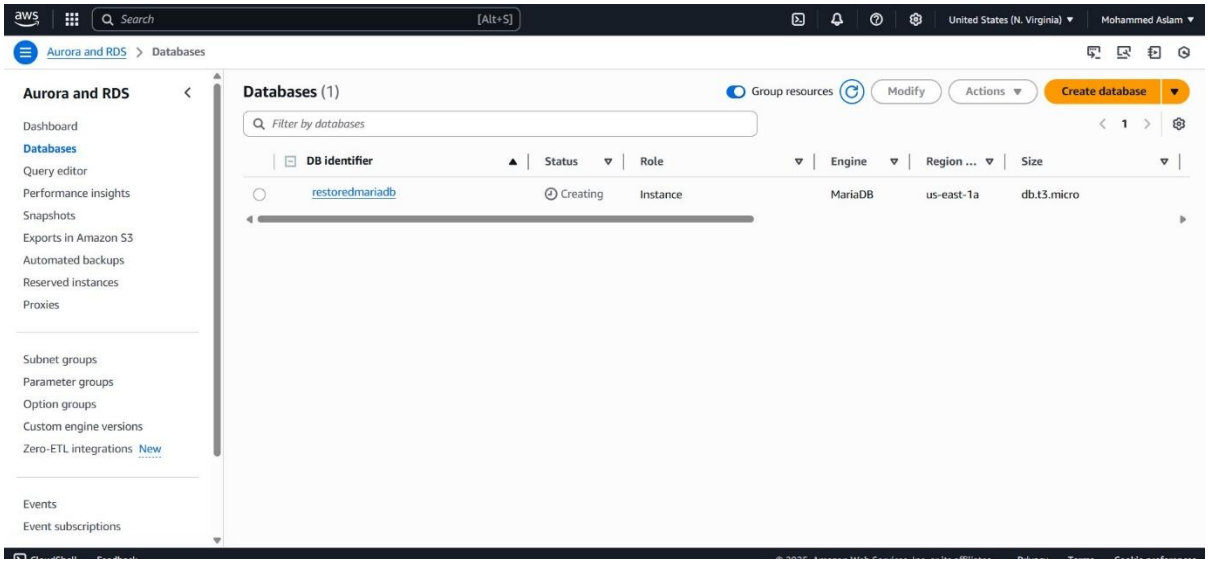


8) Configure multi AZ



9) Take Backup of db and restore the DB





10) Create Read Replica