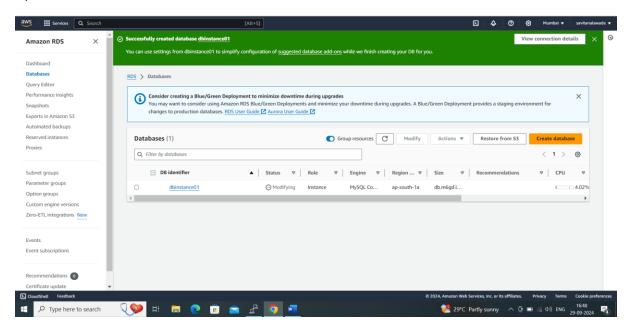
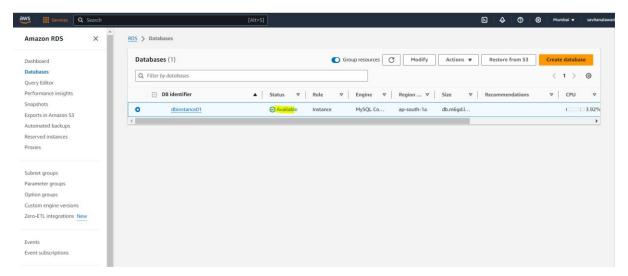
## RDS (Relational Database) 26<sup>th</sup>\_Sep\_2024 SavitaNalawade

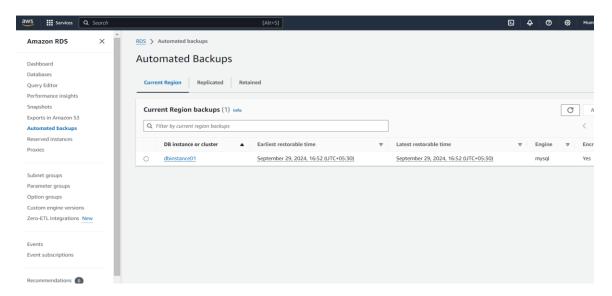
1)Create Database "DBInstance01"



2)Database is in available state it means your DB is created successfully.

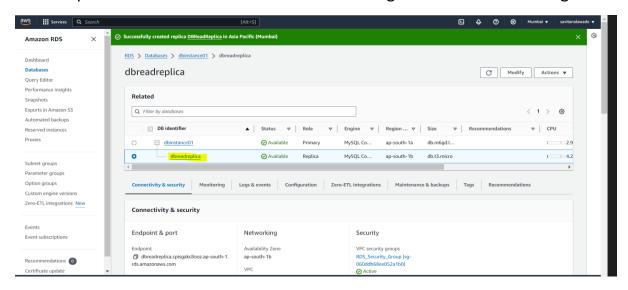


3) **Automated backup:** While creating Database automatic backup will get create.

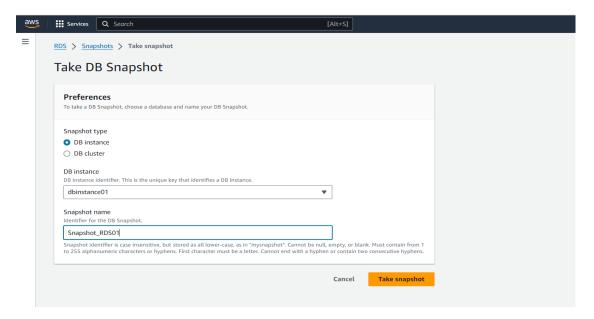


**4)**ReadReplica – it is a copy of a database instance that can be used to offload read traffic from the primary database instance.

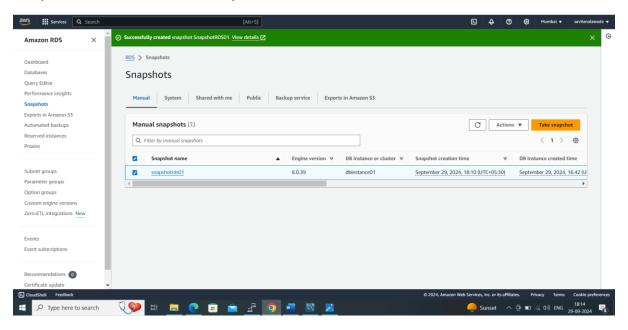
Read replicas can be created in the same AWS region or in a different region.



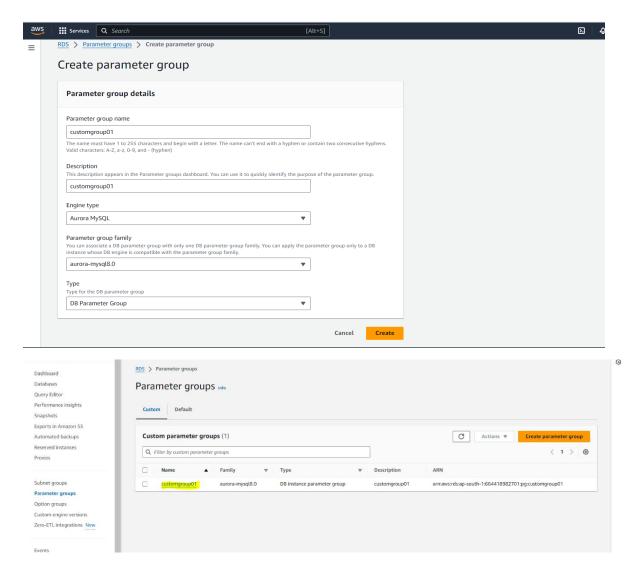
**5)Snapshot:** It is a copy of your DB Instance. We can share it with other AWS account or over the different region.



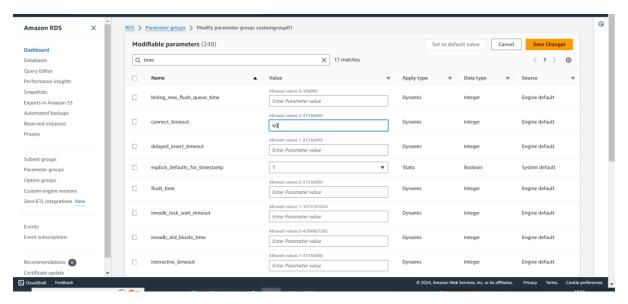
Snapshot created successfully.



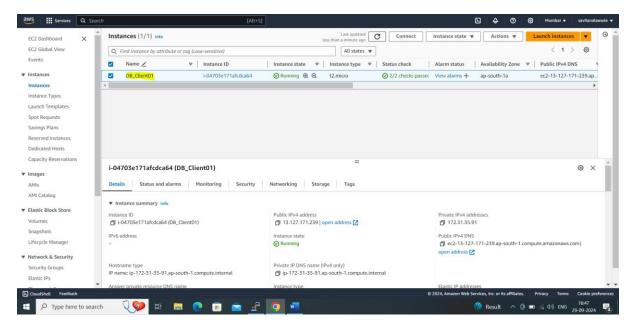
**6)Parameter Group:** By default there is one parameter group is created but if we want to modify/change any value we need custom Parameter group.



## Change connection timeout as "60"



7) Create Instance "DB\_Client01"



8)Connect instance via putty

9)Install telnet software to check connectivity between the EC2Instance and DB.

## 10)Install MySQL on EC2Instance

## Check installed version of mysql

```
[root@ip-172-31-35-91 ~]# mysql --version
mysql Ver 15.1 Distrib 5.5.68-MariaDB, for Linux (x86_64) using readline 5.1
[root@ip-172-31-35-91 ~]# mysql
ERROR 2002 (HY000): Can't connect to local MySQL server through socket '/var/lib/mysql/mysql.sock' (2)
[root@ip-172-31-35-91 ~]#
```

11) Connect mysql and RDS Instance DB to run sql query.

```
[root@ip-172-31-35-91 ~] # mysql -u mydb001 -h dbinstance01.cpisgakc8ooz.ap-south-1.rds.amazonaws.com -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MySQL connection id is 41
Server version: 8.0.39 Source distribution
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]>
```

a. Show existing databases and create one new db and use newly created.

```
MySQL [(none)]> show databases;
 Database
 information schema
 mysql
 performance schema
4 rows in set (0.01 sec)
MySQL [(none)]> create database student;
Query OK, 1 row affected (0.00 sec)
MySQL [(none)] > show databases;
 Database
 information schema
mysql
performance schema
 student
 sys
5 rows in set (0.00 sec)
MySQL [(none)]> use student;
Database changed
MySQL [student]>
```

b. Create table with different parameters

c. Insert entry into "customers" table

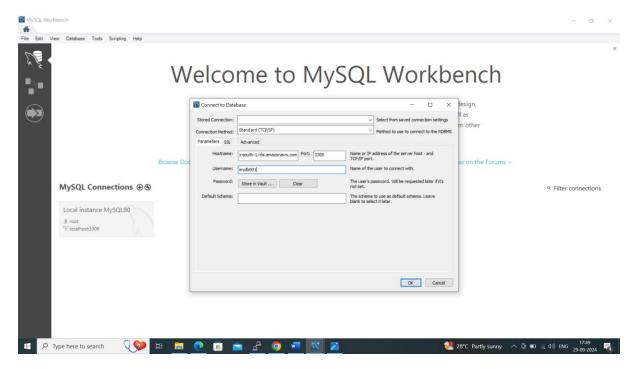
d. Select as per requirement data withing the table using different conditions

e. Update name of 2<sup>nd</sup> ID

```
MySQL [student]> update customers set Name='Monika' where Student_ID=2;
Query OK, 1 row affected (0.00 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

f. Show updated table

12) Open MySQL Workbench and login with user and password



13) We can see created database, table from here also we can add/delete entry into the table.

