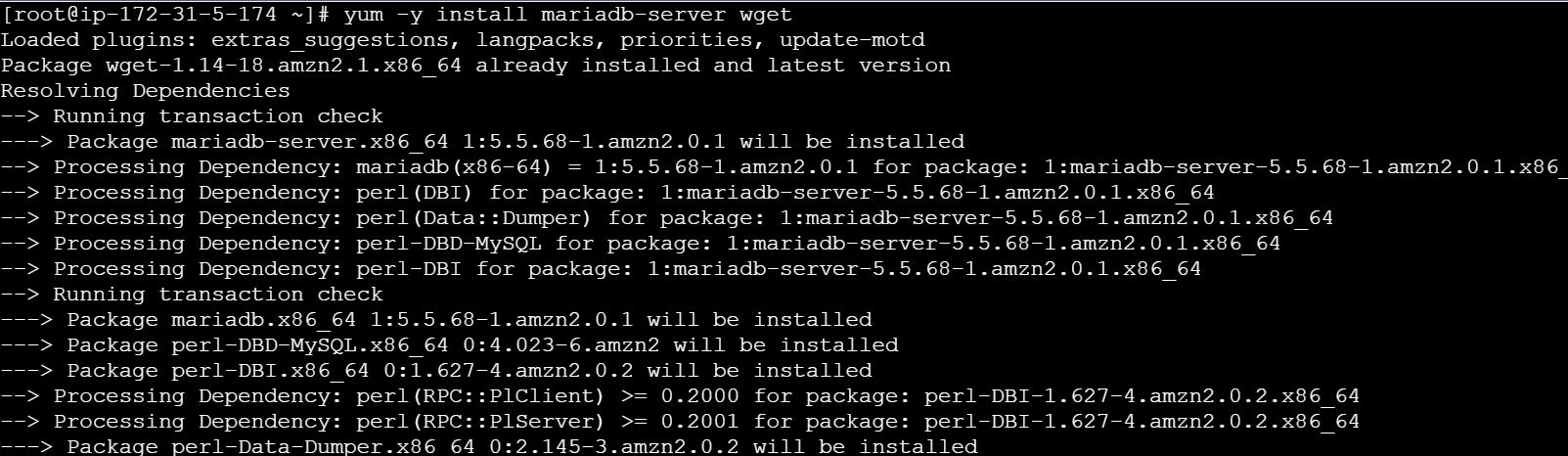
TASK-14[RDS]

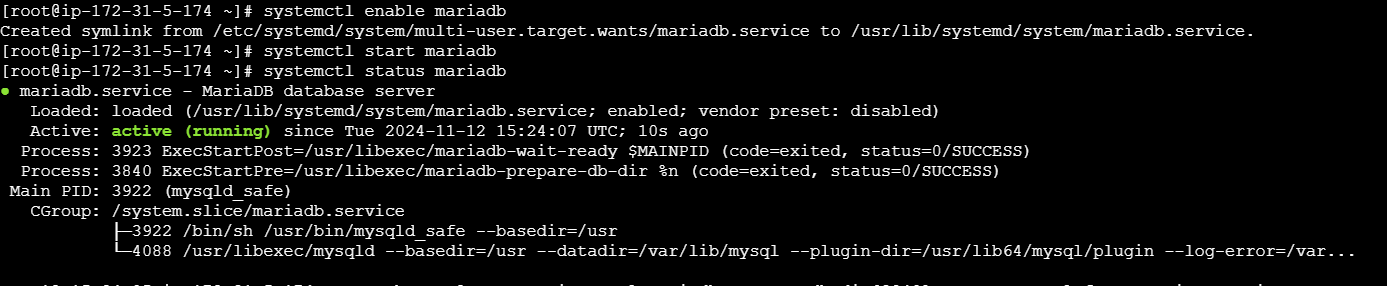
**1)Create mariadb db on ec2.**

Steps:switch to root user

Step-2:install mariadb in home

Enable mariadb and start the mariadb

After installing ,enabling the mariadb



We can also check through lsof –i tcp:3306



Connecting to db:

Set environmental variables

DBName=ec2db

DBPassword=admin123456

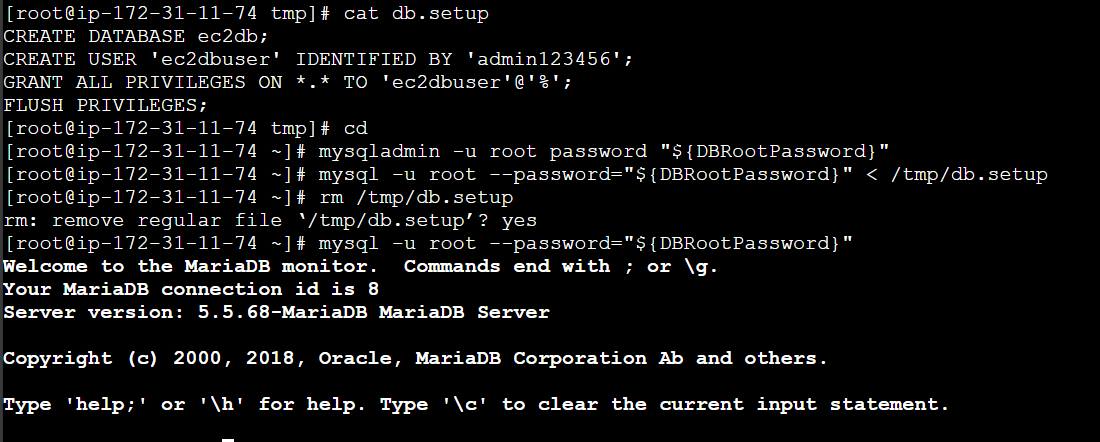
DBRootPassword=admin123456

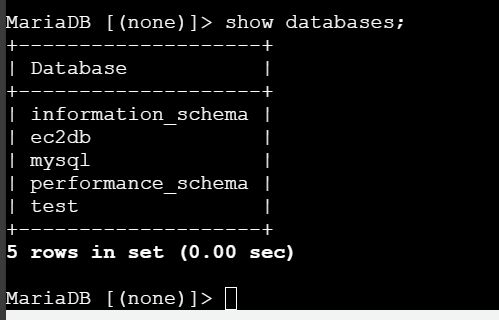
DBUser=ec2dbuser

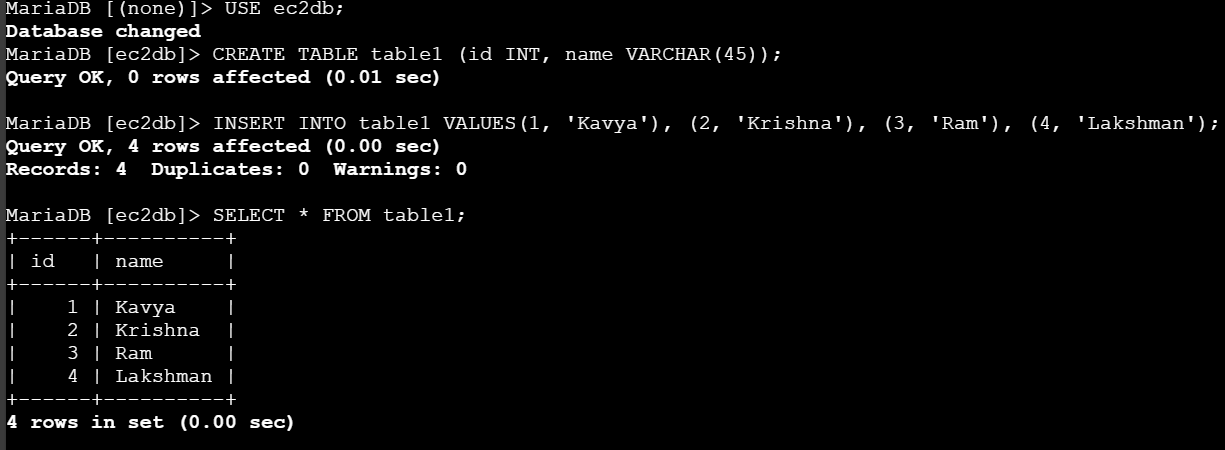
Database Setup on EC2 Instance:

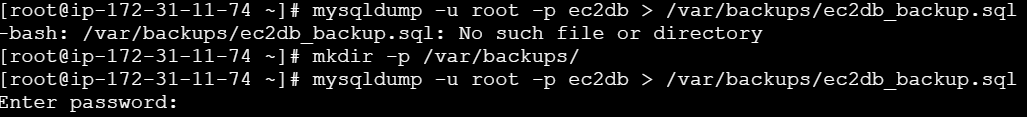
Creating database

Cmd: echo "CREATE DATABASE ${DBName};" >> /tmp/db.setup

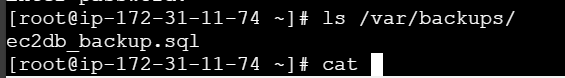




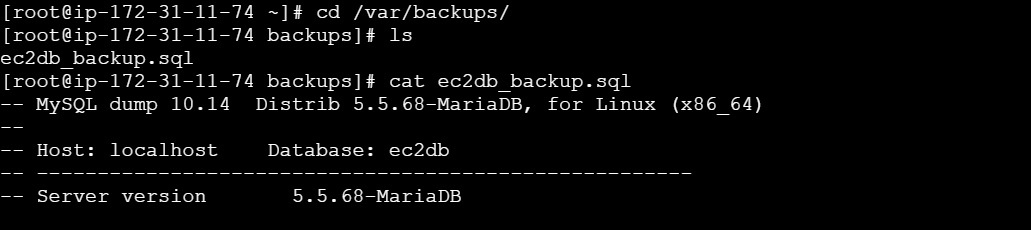
**2) Insert some dummy data**

**3) Take the backup of dummy data on ec2**

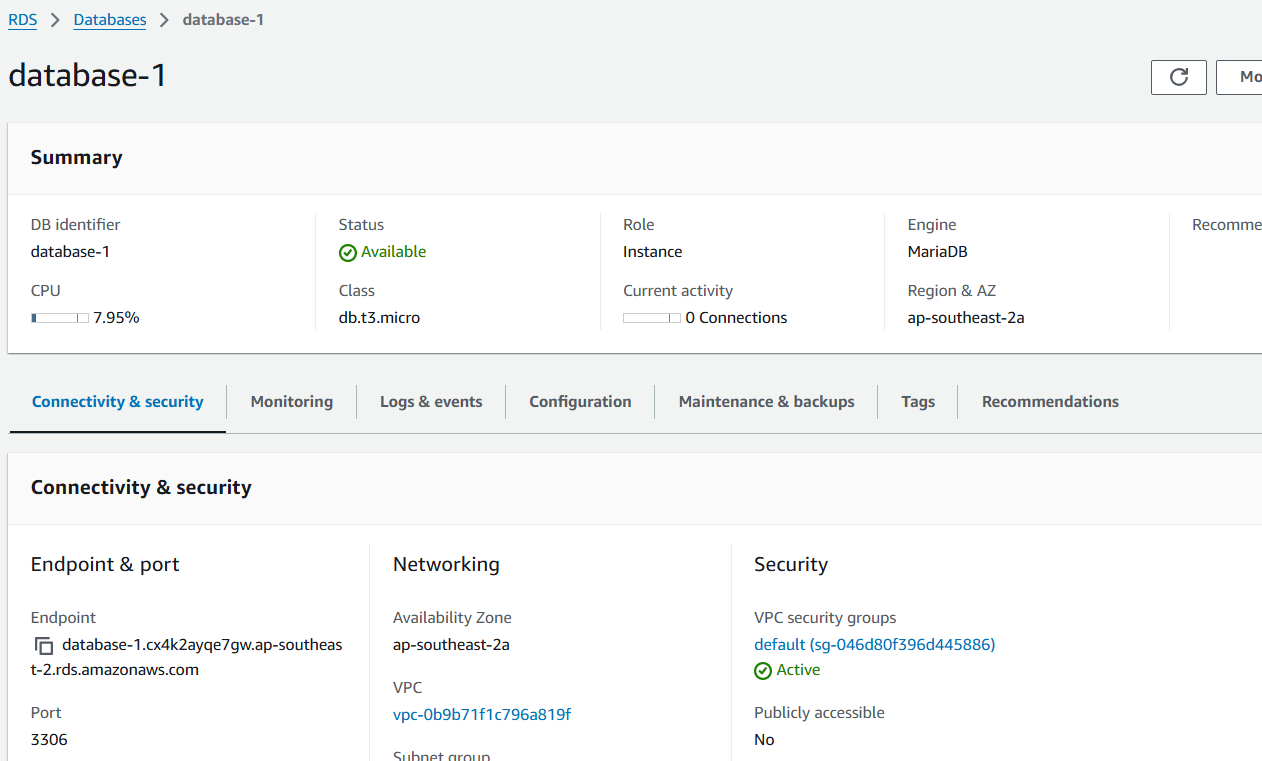
o/p:



We can see the complete data

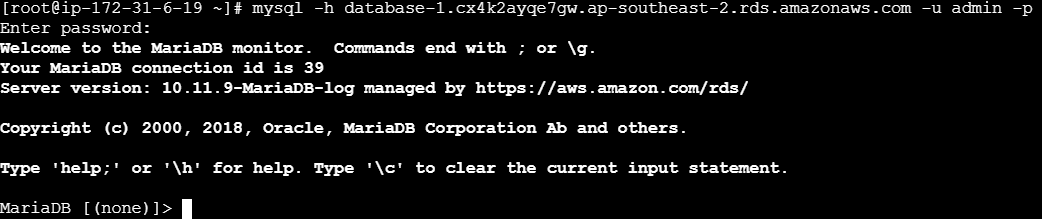


**4) launch Mariadb RDS instance.**



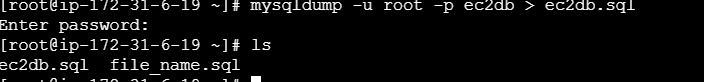
Need to use endpoint after launcing the db

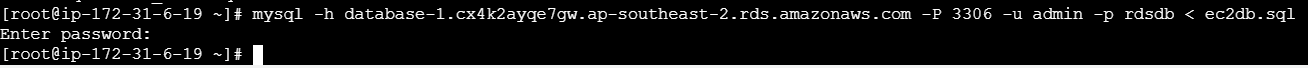
We can also check the output:



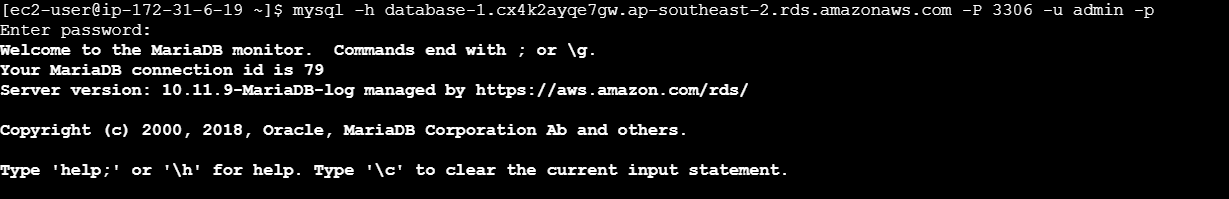
**5) Migrate database from ec2 to RDS.**

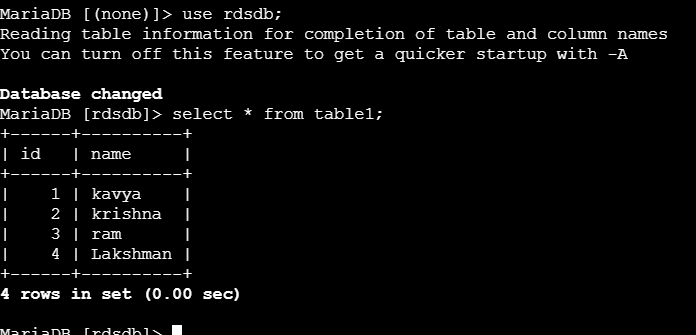
Step:1[Get the dump of your existing DB on EC2]



Step-2[Migrate the DB dump that you have taken in step 1 to RDS] 

Step-3[Connecting to the rds service]





### 6) Install mysql db on ec2

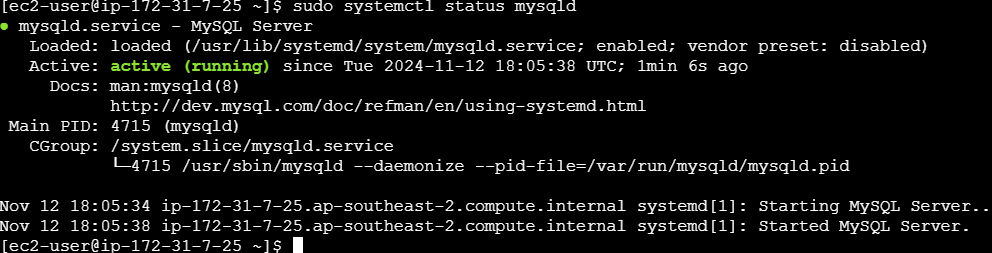
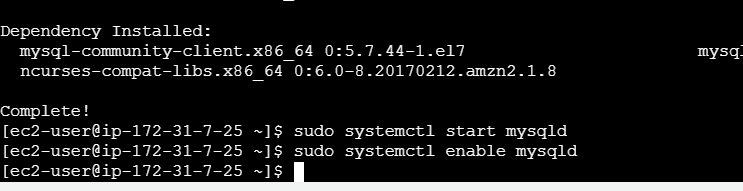
### Install the MySQL 5.7 repository

**Install the MySQL 5.7 repository by downloading and installing the correct .rpm file:**



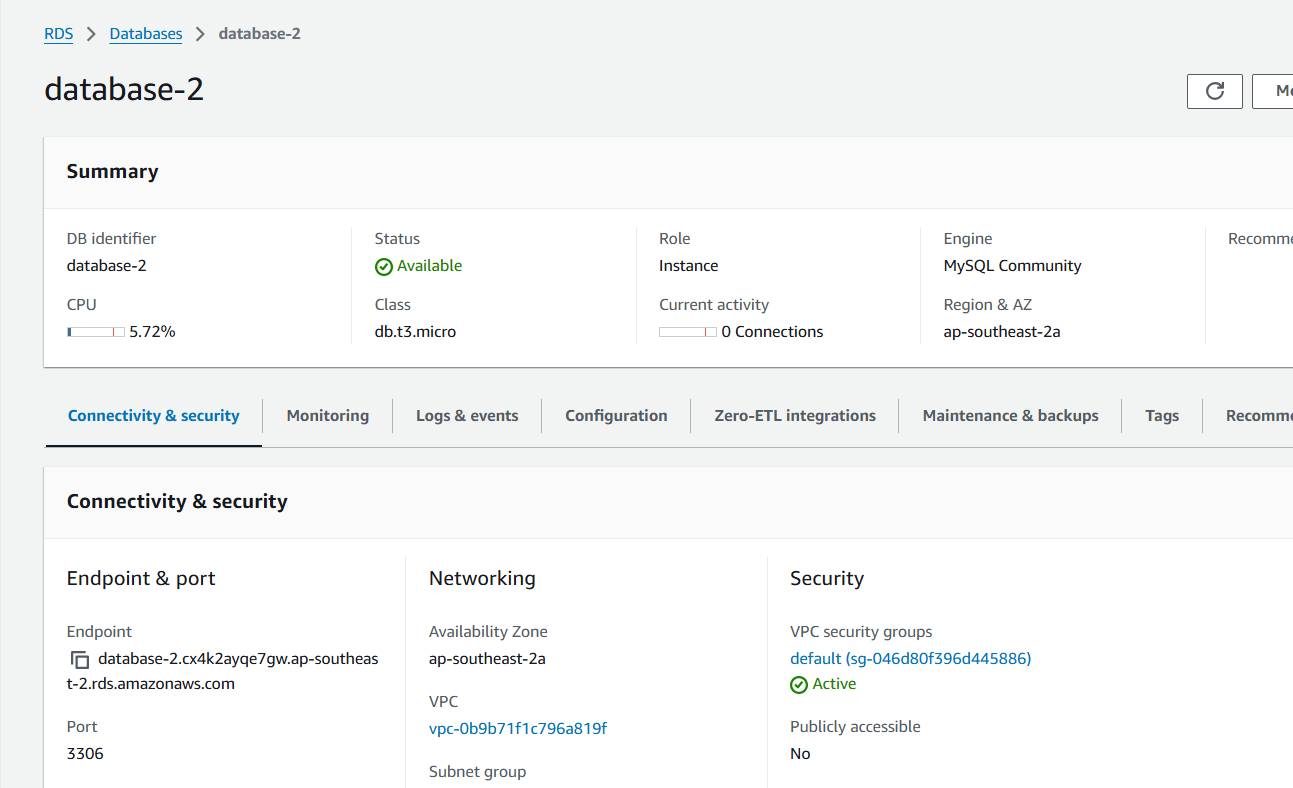
After installing the correct repository, install MySQL 5.7:

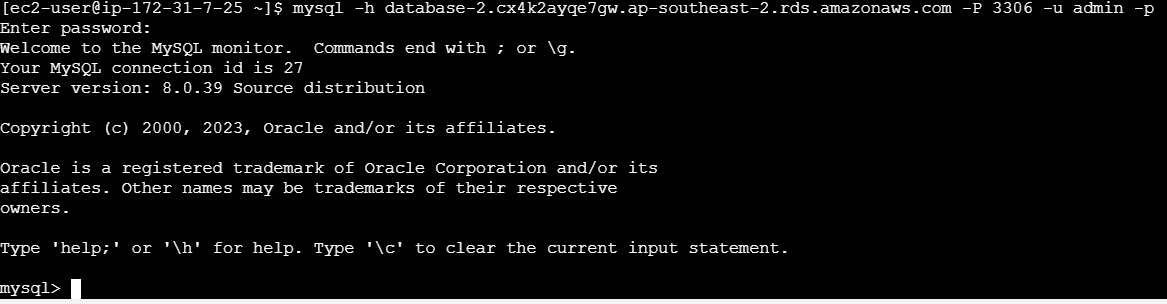




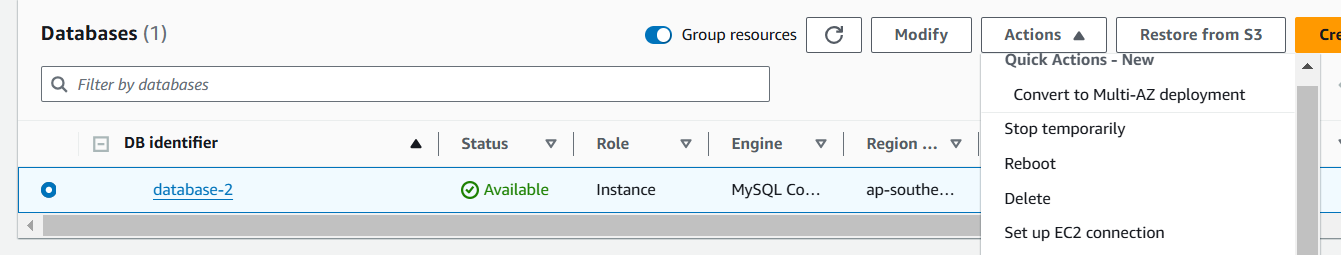
**7) Launch mysql RDS image**

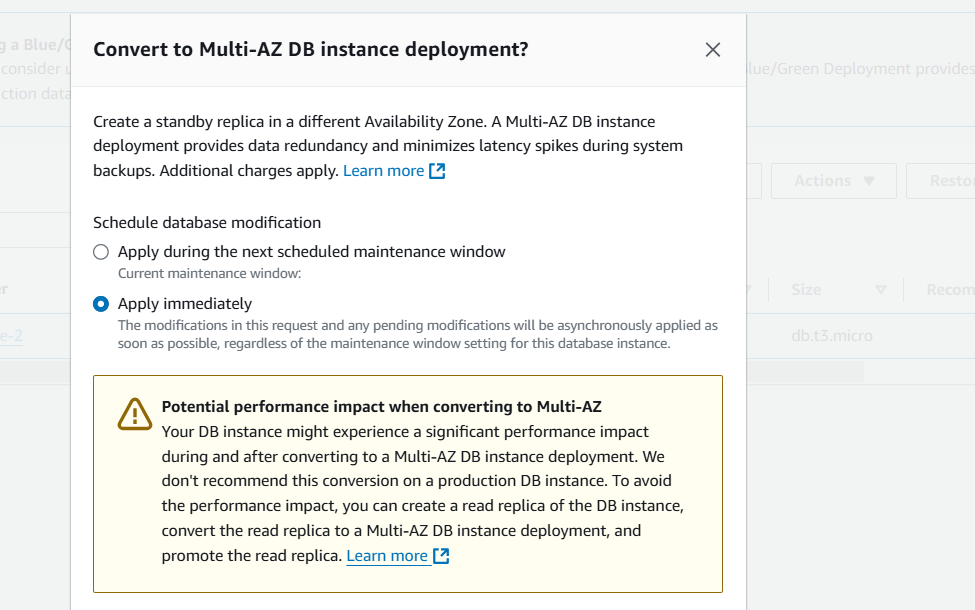
Created one rdsdb instance





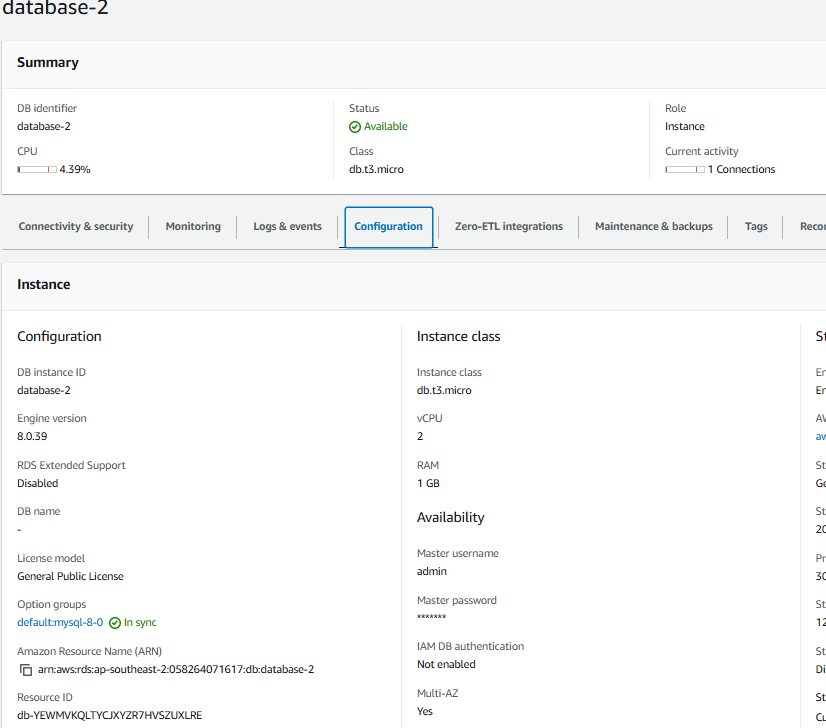
**8) Configure multi AZ**

Select the created RDS>Act ionsselect convert to Multi-AZ deployment

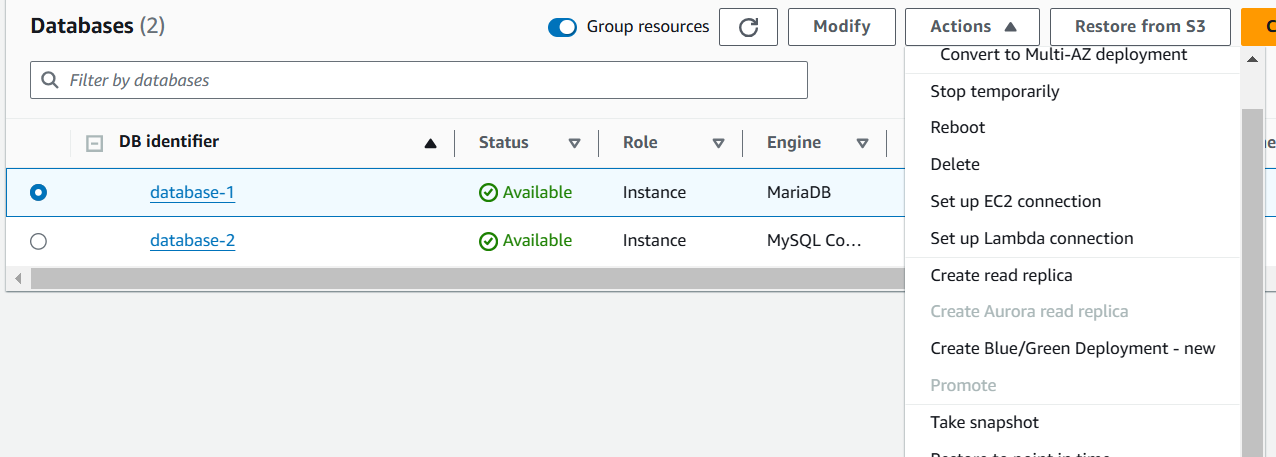
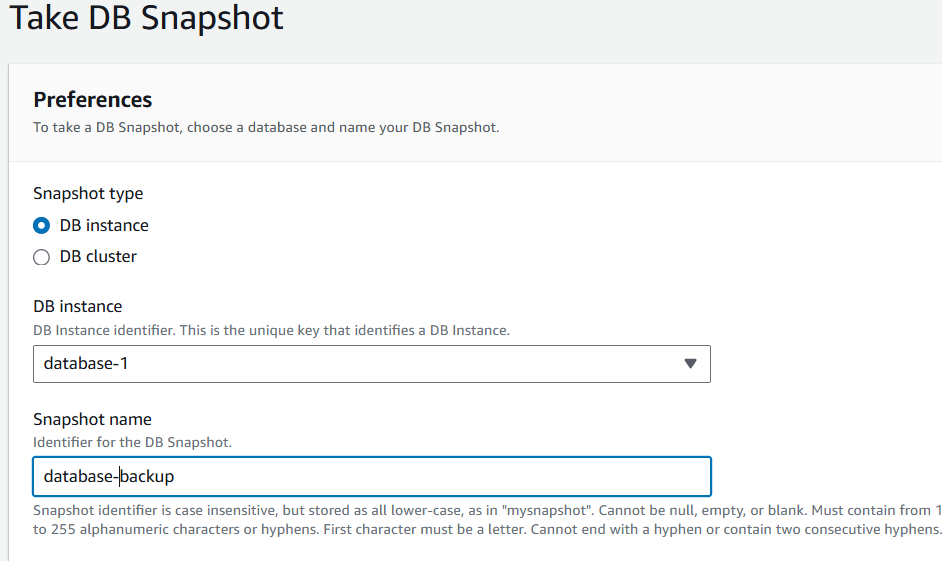


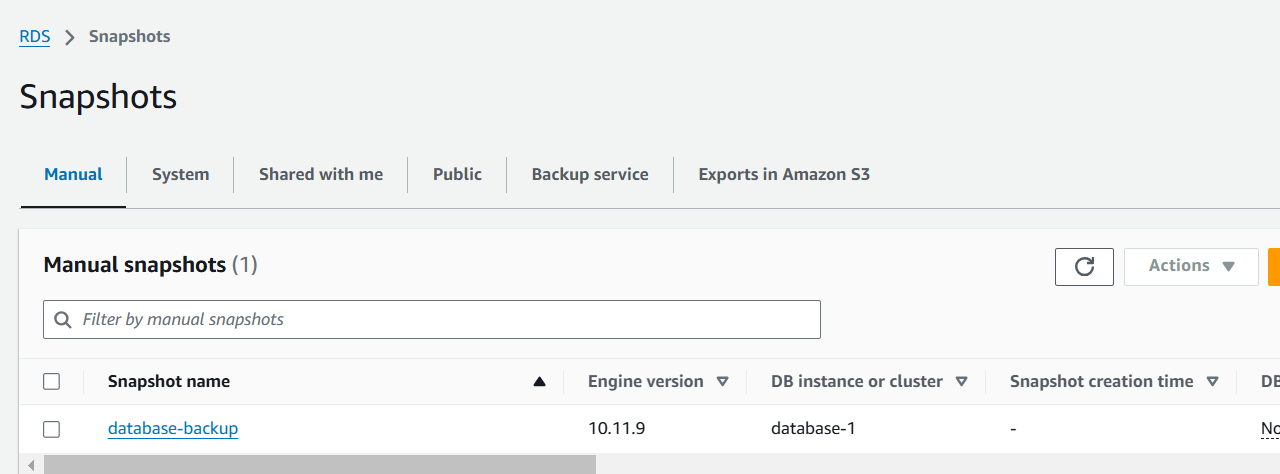
Select apply immediately

Next,convert to Multi-AZ



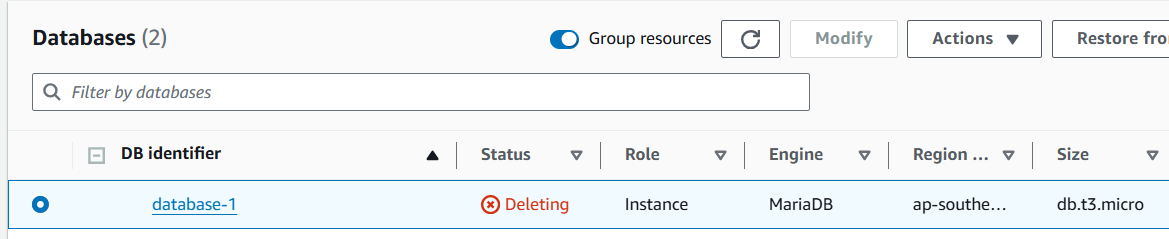
**9) Take Backup of db and restore the DB**

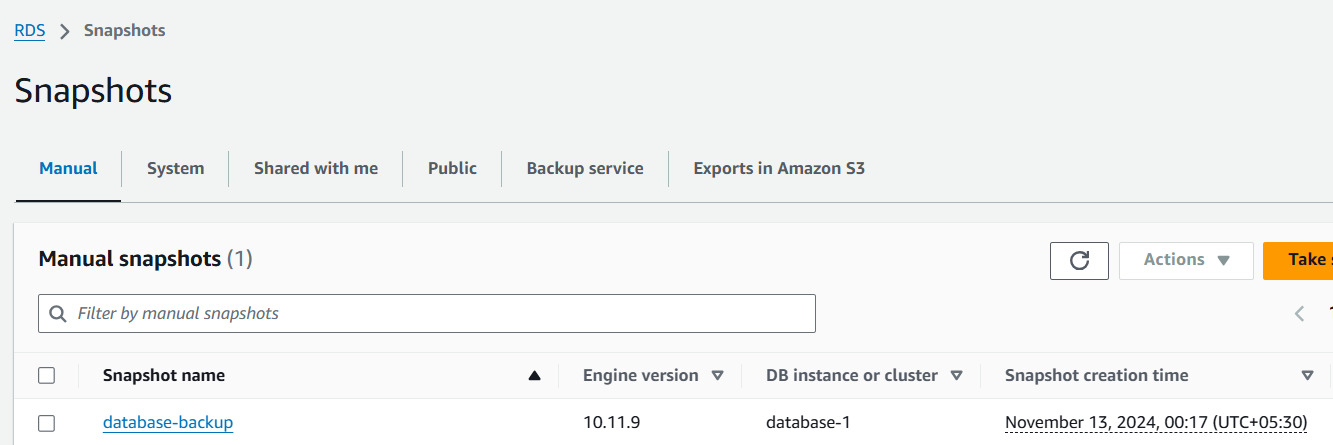
Select the Database>actions>take snapshot 

Created one snapshot 

Here,status is available

Now deleting the database1

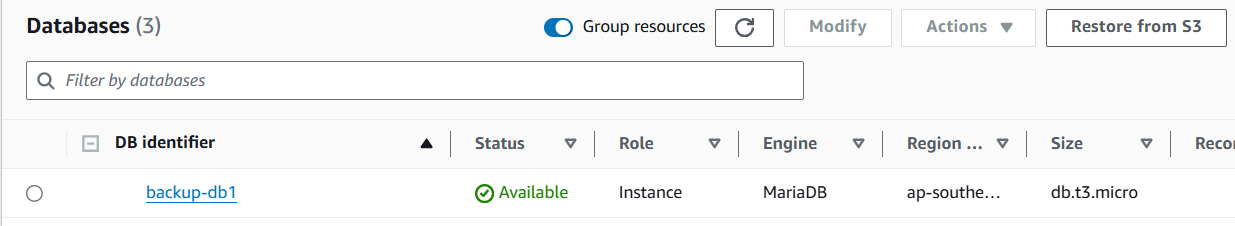




Go to snapshots

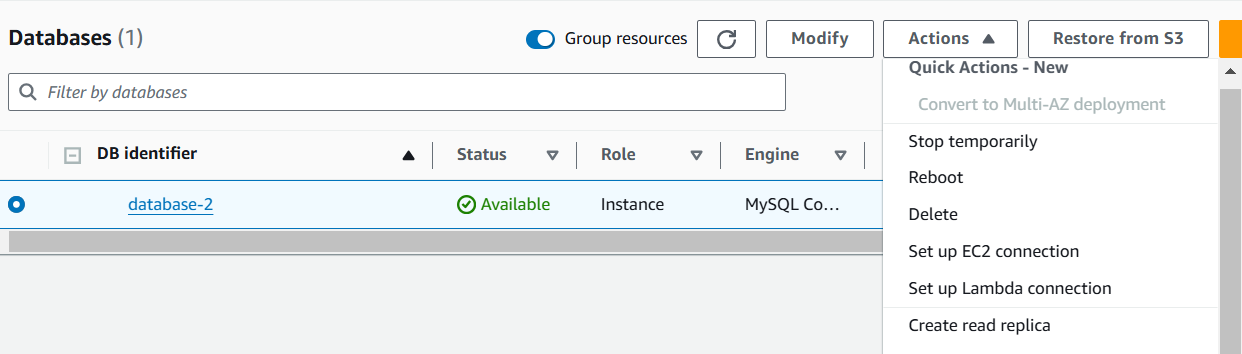
Select the database-backup

Go to actions>restore db

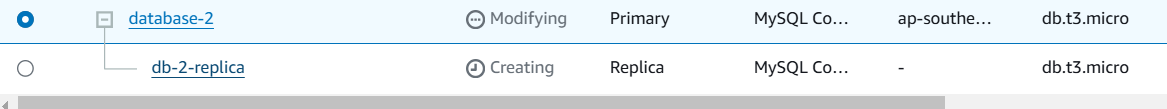


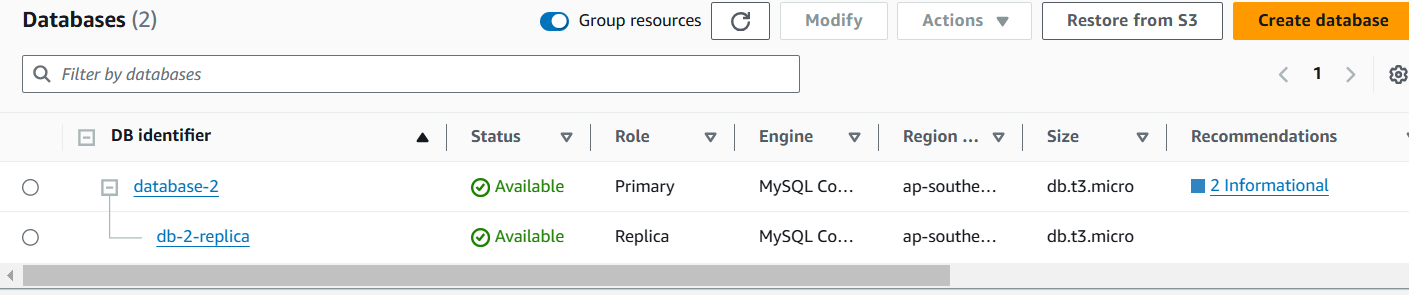
**10) Create ReadReplica**

Select Database and click actions



Select ‘create read replica’





Connecting to the db through endpoint

If we have any table,then we can only read that table and not able to modify or insert the values