1. Create mariadb db on ec2.

🡪connect to ec2 server 🡪sudo -I 🡪 yum -y install mariadb-server wget

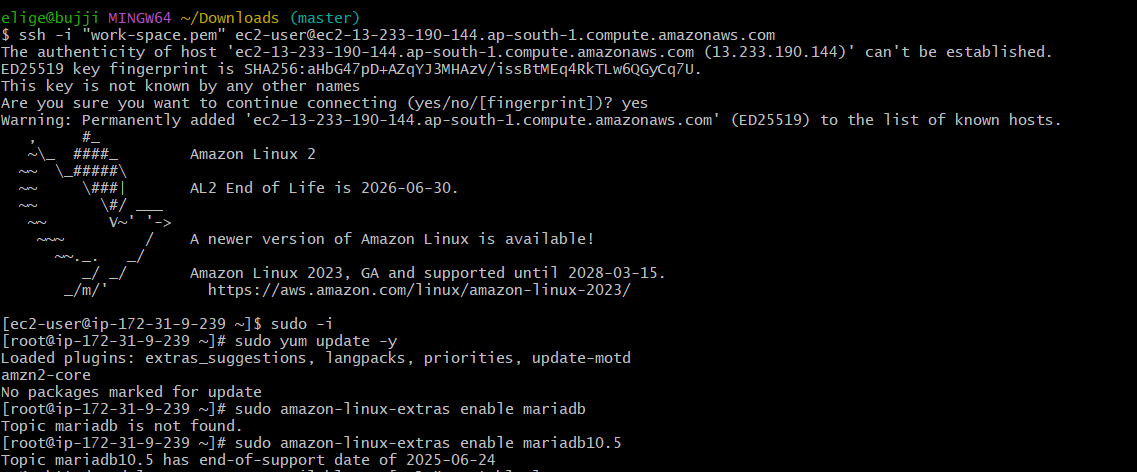
🡪systemctl enable mariadb 🡪systemctl start mariadb🡪systemctl status mariadb

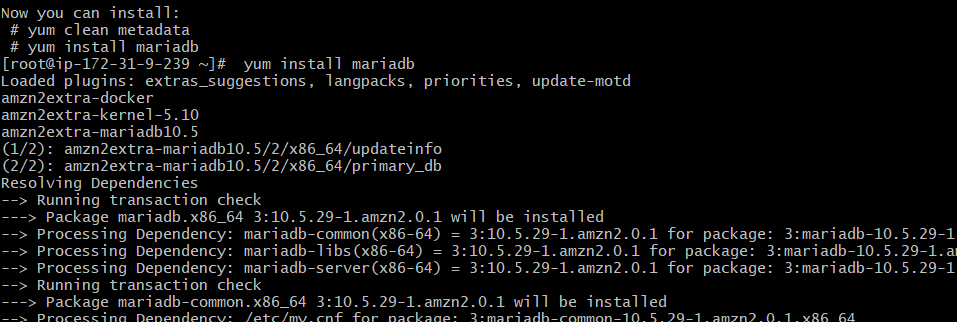
🡪sudo mysql -u root -p—it will asks for password then password(new-one)

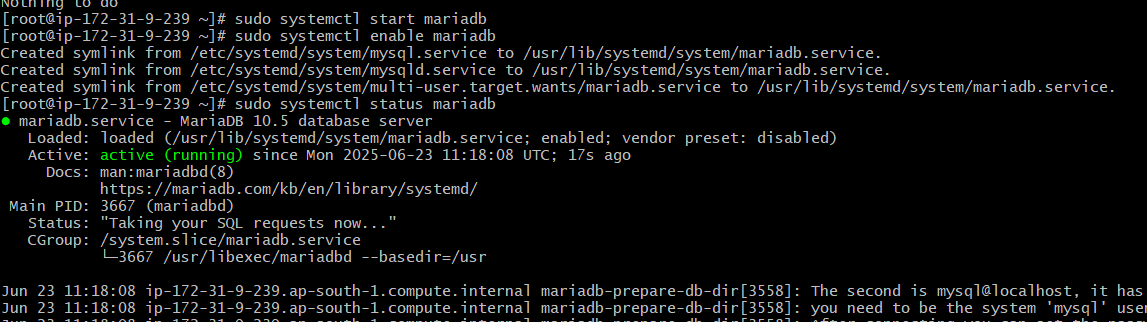
🡪CREATE DATABASE mariadb; 🡪 CREATE USER 'PAVAN'@'%' IDENTIFIED BY 'user1234';

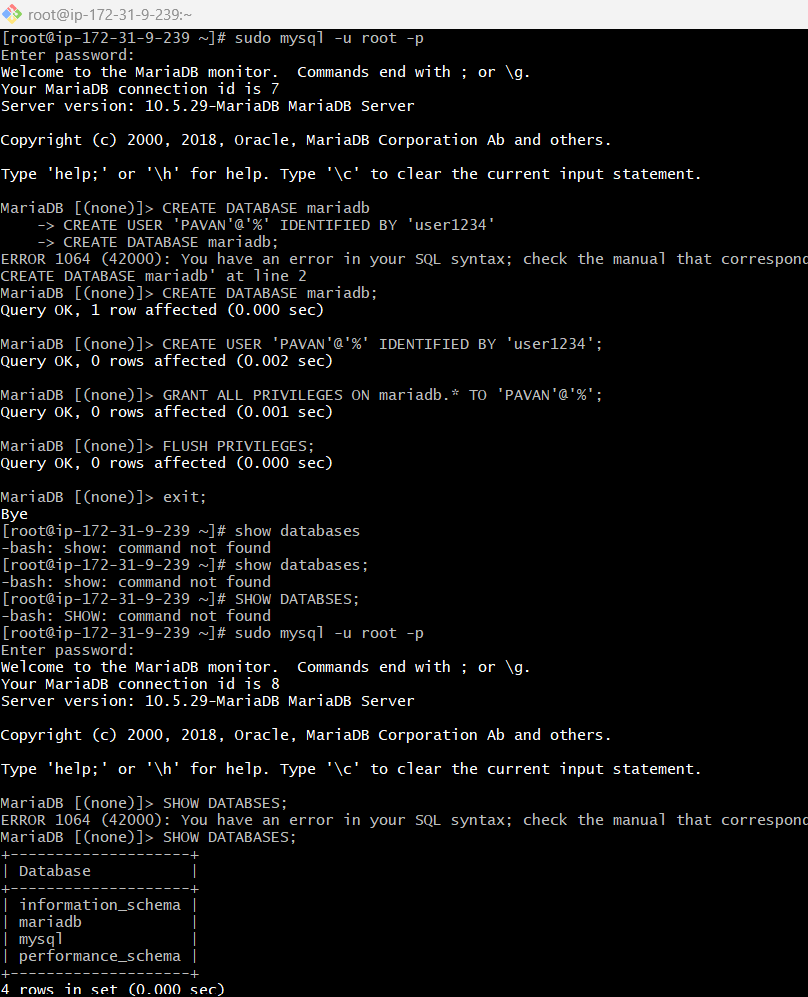
🡪GRANT ALL PRIVILEGES ON mariadb.\* TO 'PAVAN'@'%'; 🡪 FLUSH PRIVILEGES;

🡪exit; 🡪SHOW databases;









1. Insert some dummy data

🡪USE mariadb

🡪 CREATE TABLE cricket\_team ( id INT PRIMARY KEY AUTO\_INCREMENT, name VARCHAR(50));

🡪 INSERT INTO cricket\_team (name) VALUES

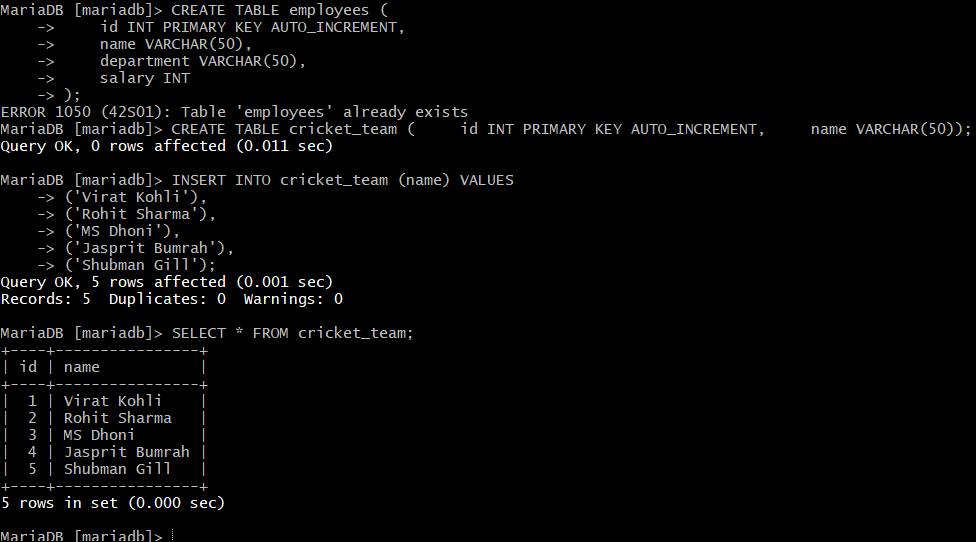
('Virat Kohli'),

('Rohit Sharma'),

('MS Dhoni'),

('Jasprit Bumrah'),

('Shubman Gill');



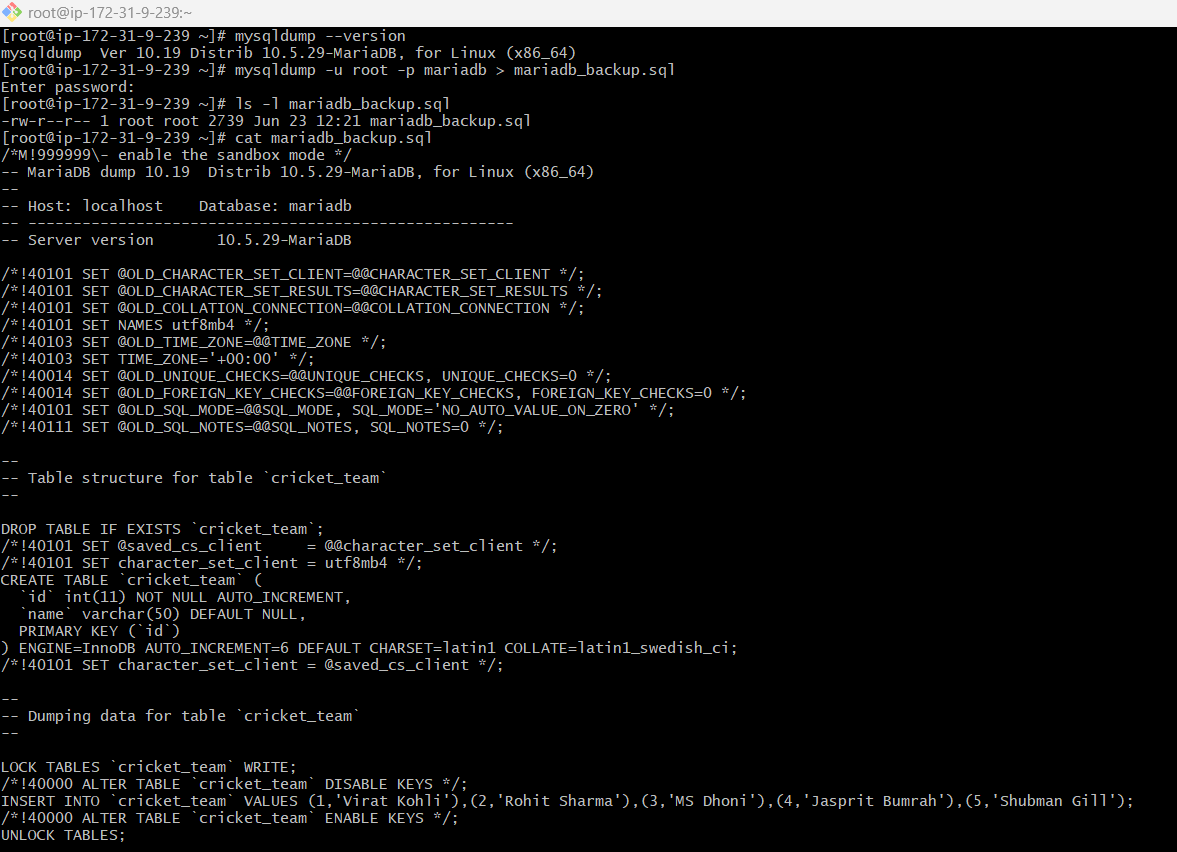
1. Take the backup of dummy data on ec2

🡪go to root user

🡪mysqldump -u root -p mariadb > mariadb\_backup.sql—it will asks for password(user123)

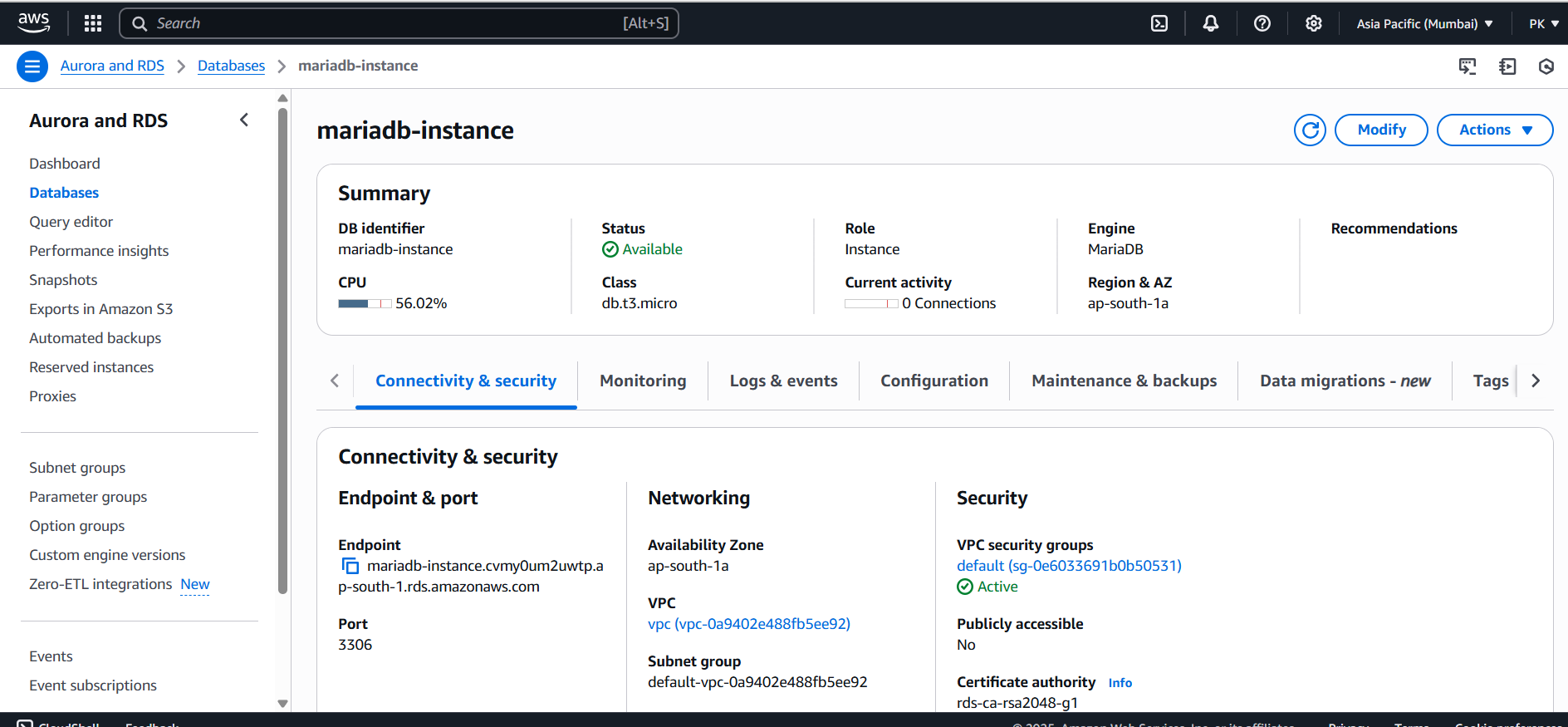
🡪 ls -l mariadb\_backup.sql

-rw-r--r-- 1 root root 2739 Jun 23 12:21 mariadb\_backup.sql



1. launch Mariadb RDS instance.

🡪go to Aurora and RDS—create—standard create—mariaDB—select engine version—free tier—DB instance identifier(MariaDB)—credential settings(master username—admin—master password--password)—instance config(select burstable classes—db-t3.micro)—disable(enable storage auto scaling)—do not connect(ipv4)—select vpc—subnet group(default)—no—selct SG—select AZ(ap-south-1)—disable(enable enhanced monitoring)—additional config(disable(enable automated backups))—maintainence(disable(enable auto minor version upgrade—no preference))—create dtabase.



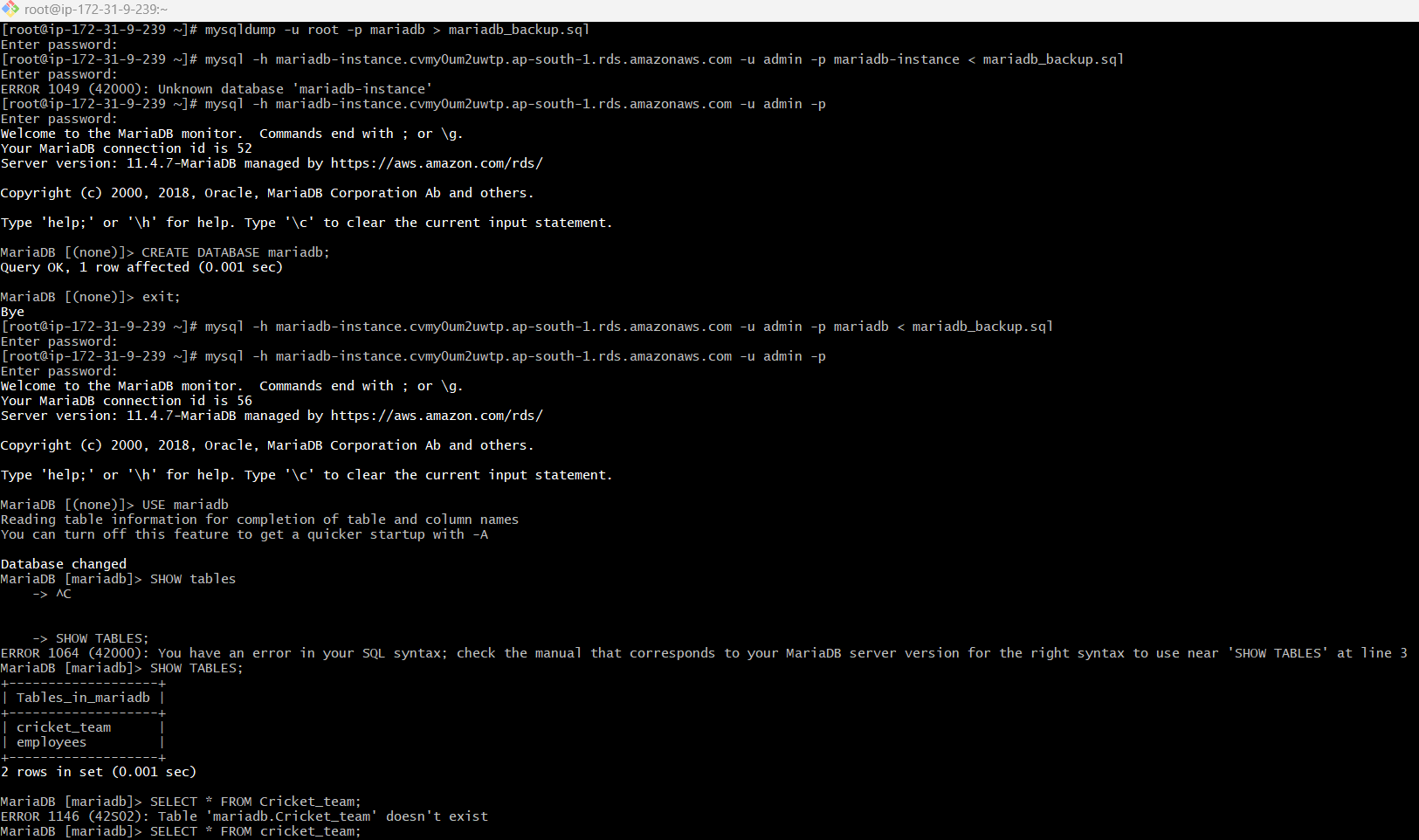
1. Migrate database from ec2 to RDS.

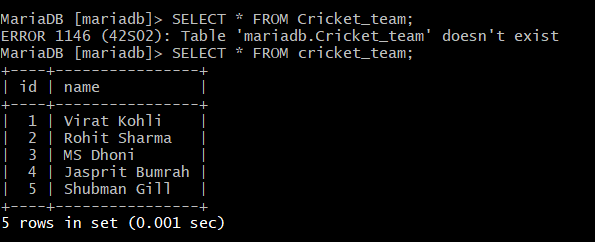
🡪 mysql -h mariadb-instance.cvmy0um2uwtp.ap-south-1.rds.amazonaws.com -u admin -p

🡪 CREATE DATABASE mariadb; 🡪exit;

🡪 mysql -h mariadb-instance.cvmy0um2uwtp.ap-south-1.rds.amazonaws.com -u admin -p

🡪 USE mariadb 🡪 SHOW TABLES; 🡪 SELECT \* FROM cricket\_team;





1. Install mysql db on ec2

🡪go to root user

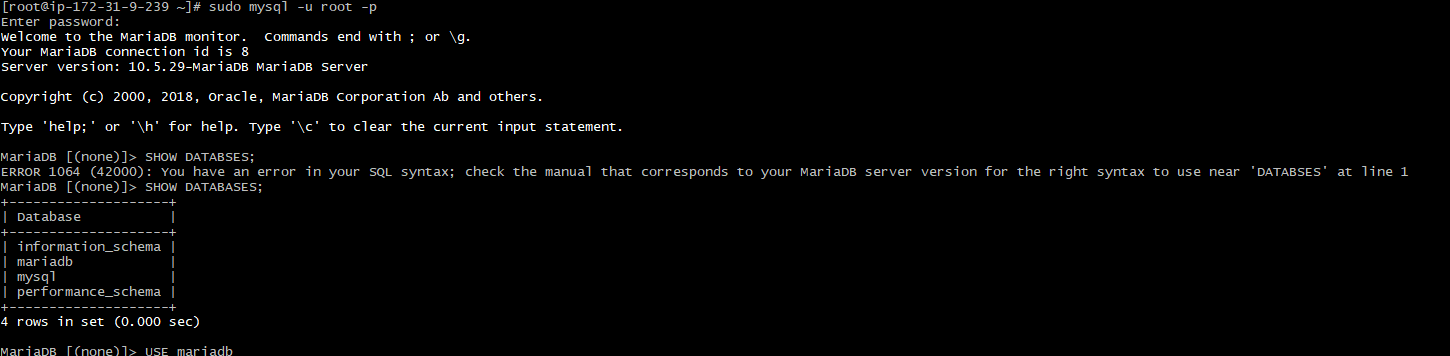
🡪 yum install -y mysql-server

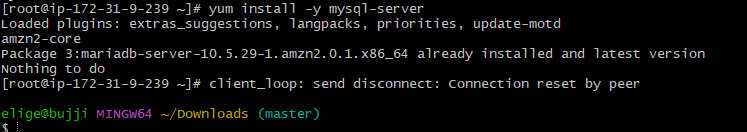
🡪 systemctl start mysqld

🡪systemctl enable mysqld

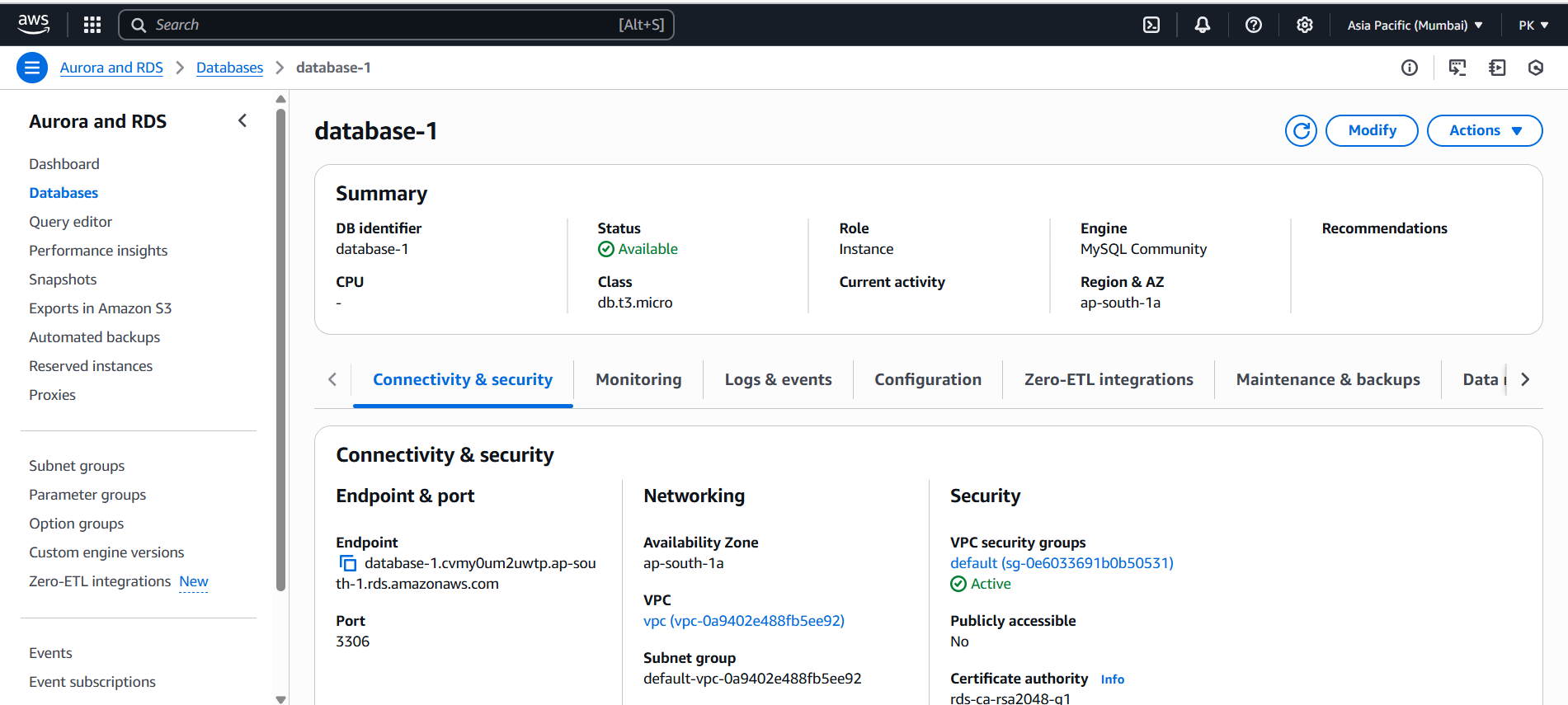
🡪 systemctl status mysqld

(I am installed in the beginning)

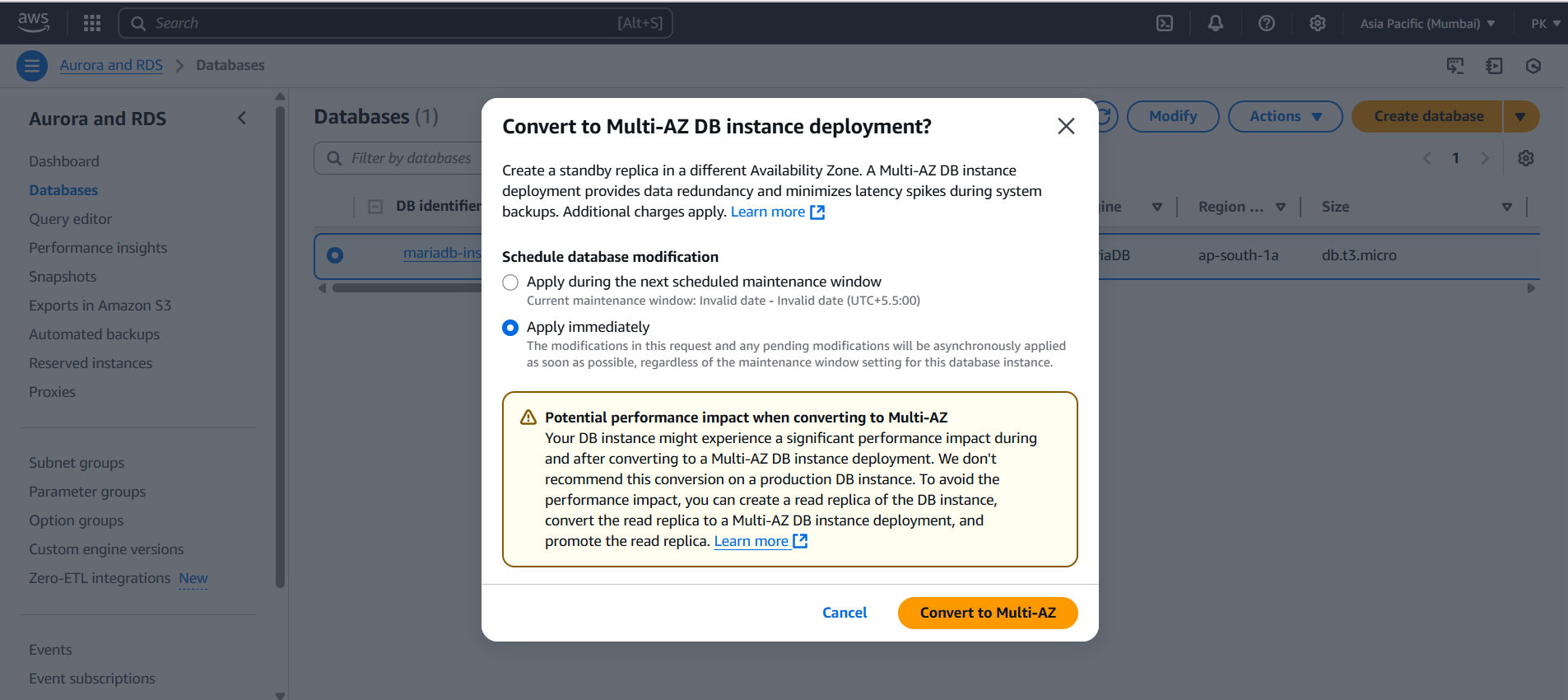


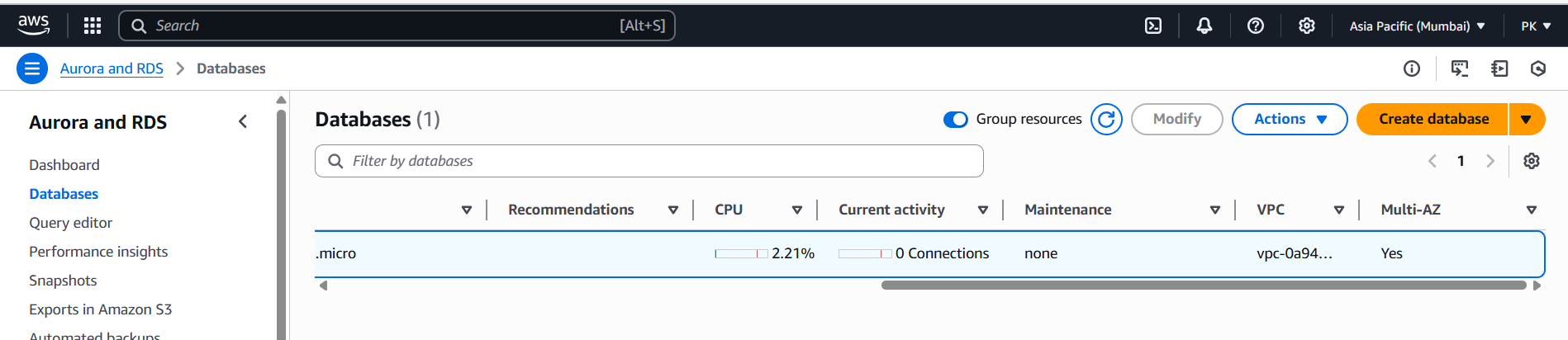


1. Launch mysql RDS image

🡪go to Aurora and RDS—create—standard create—mariaDB—select engine version—free tier—DB instance identifier(Mysql)—credential settings(master username—admin—master password--password)—instance config(select burstable classes—db-t3.micro)—disable(enable storage auto scaling)—do not connect(ipv4)—select vpc—subnet group(default)—no—selct SG—select AZ(ap-south-1)—disable(enable enhanced monitoring)—additional config(disable(enable automated backups))—maintainence(disable(enable auto minor version upgrade—no preference))—create dtabase

1. Configure multi AZ

🡪 select database—click on actions—click on convert to multi-AZ Depoyement—click onconvert to multi-AZ

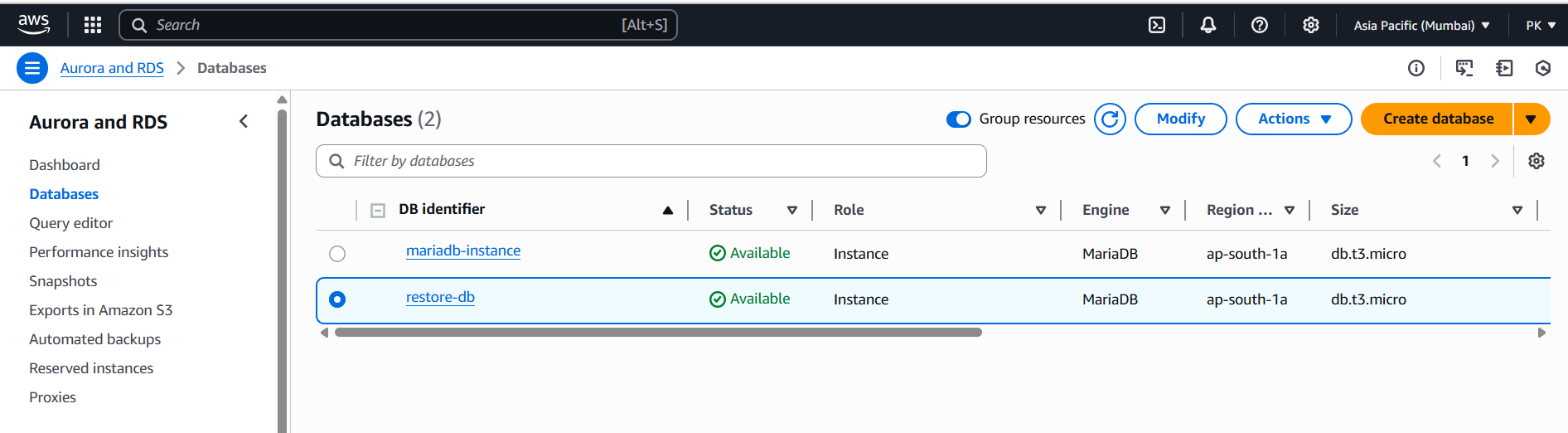


1. Take Backup of db and restore the DB

🡪go to database—select database—click on actions—take snapshot—check on snapshot tab

🡪go to snapshot tab—select snapshot—click on actions—click on restore snapshot

🡪come back & check in databases tab



1. Create ReadRepIlca

🡪go to database—select database—click on actions—create read replica

