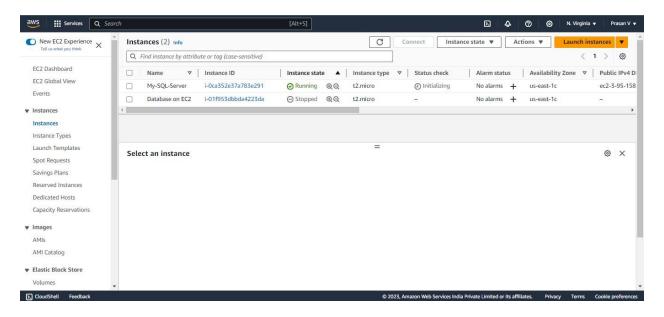
Database-Migration-to-RDS

Migrate an existing database to Amazon RDS for improved scalability, manageability, and cost-effectiveness. Implementation: Set up an RDS instance with the desired database engine (e.g., MySQL, PostgreSQL) and perform the migration using AWS Database Migration Service or other tools.

Here are the steps how to do the Project:

Step 1: Create an EC2 Instance –



Commands used to host MySql Server on AWS EC2 Instance

Step 1: Update the system

sudo apt update

```
Step 2: Install MySql
```

sudo apt install mysql-server

Step 3: Check the Status of MySql (Active or Inactive)

sudo systemctl status mysql

Step 4: Login to MySql as a root

sudo mysql

Step 5: Update the password for the MySql Server

ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'place-your-password-here';

FLUSH PRIVILEGES;

Step 6: Test the MySql server if it is working by running sample sql queries

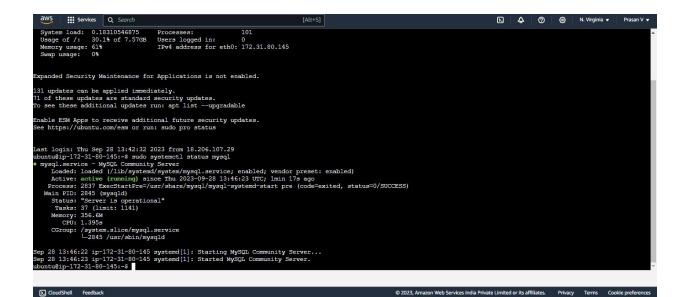
CREATE DATABASE mysql_test;

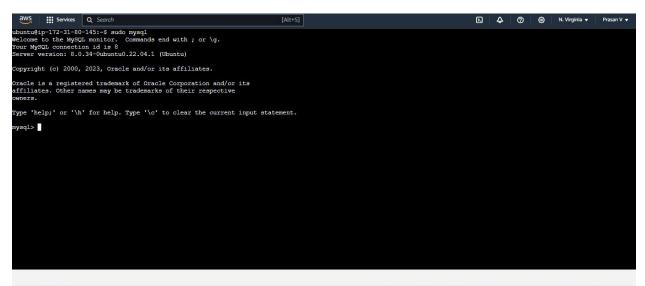
USE mysql test;

CREATE TABLE table1 (id INT, name VARCHAR(45));

INSERT INTO table1 VALUES(1, 'Virat'), (2, 'Sachin'), (3, 'Dhoni'), (4, 'ABD');

SELECT * FROM table1;





Databases on EC2 Instance **Begin Configuration:** sudo su yum -y install mariadb-server wget systemctl enable mariadb systemctl start mariadb yum -y update Set Environmental Variables DBName=ec2db DBPassword=admin123456 DBRootPassword=admin123456 DBUser=ec2dbuser Database Setup on EC2 Instance: echo "CREATE DATABASE \${DBName};" >> /tmp/db.setup echo "CREATE USER '\${DBUser}' IDENTIFIED BY '\${DBPassword}';" >> /tmp/db.setup echo "GRANT ALL PRIVILEGES ON *.* TO '\${DBUser}'@'%';" >> /tmp/db.setup echo "FLUSH PRIVILEGES;" >> /tmp/db.setup mysgladmin -u root password "\${DBRootPassword}" mysql -u root --password="\${DBRootPassword}" < /tmp/db.setup rm /tmp/db.setup Adding some dummy data to the Database inside EC2 Instance: mysql -u root --password="\${DBRootPassword}" USE ec2db;

CREATE TABLE table1 (id INT, name VARCHAR(45));

This is How we migrate DataBase to RDS

Thank You.....

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