## **Assignment 6**

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**Que: Complete the below task:** 

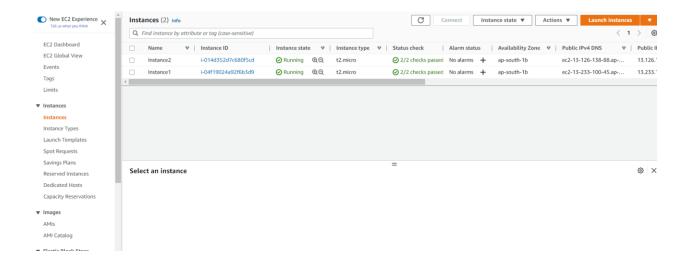
- 1. Explain the below AWS Architecture
- 2. Implement the same in the AWS (only do a proper connection between service)



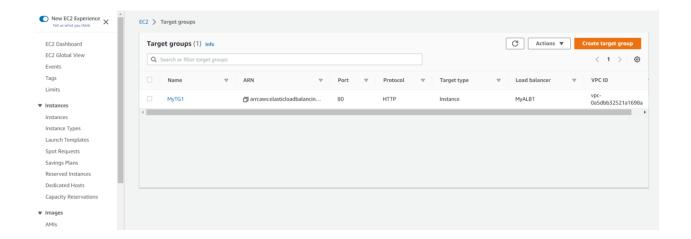
## **Answer:**

- ➤ Here in above AWS Architecture, Elastic Load Balancer has connection to EC2 instance and then EC2 instance has connection to RDS database.
- ➤ Please find below attached screenshots for this implementation.

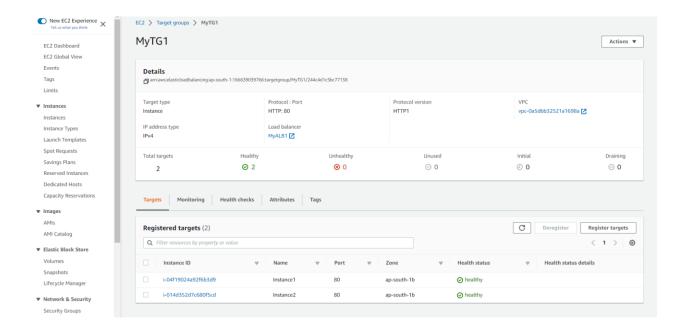
• Launched two EC2 instances(Instance1 & Instance2)



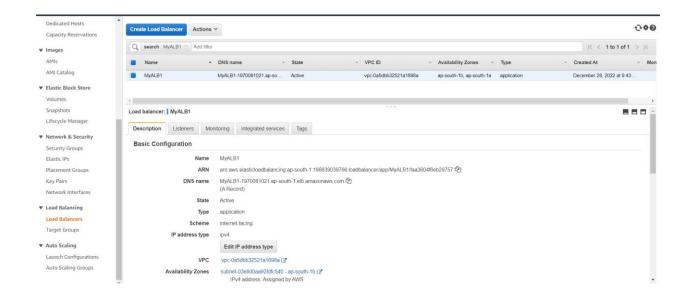
Created Target group(MyTG1)



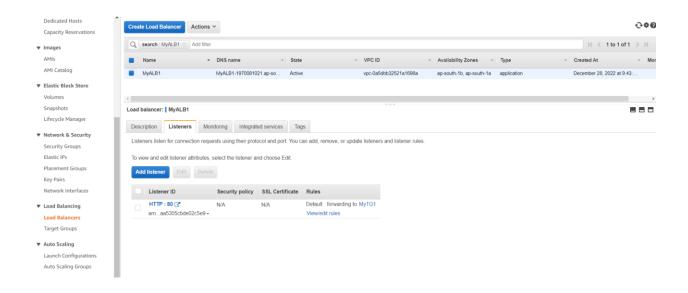
Registered those two instances (Instance1 & Instance2) under newly created target group (TG1)



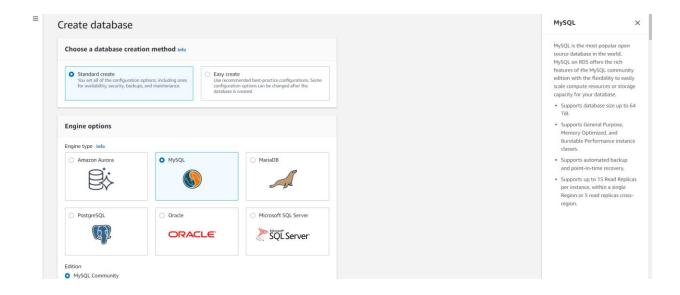
Created Application Load Balancer(MyALB1)



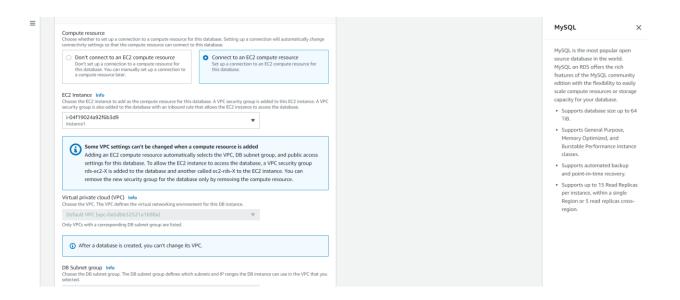
• Mapped Target group (TG1) to this newly created Application Load balancer (MyALB1)



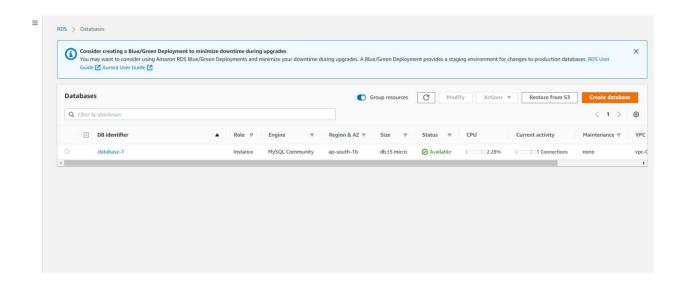
Created new RDS having MySQL as Engine type



• While configuring RDS under Compute resource, there is an option for connection to an EC2 compute resource. After selecting that option, choose appropriate EC2 instance from EC2 dropdown. By doing so we are setting up a connection from this EC2 instance to this database.



After doing configuration for RDS, click on create database and then it will start creating RDS.
 Wait for some time until it shows status as available.



Once RDS is up and running, click on that RDS. There under connectivity & security you will
find its Endpoint & Port. Now connect to that EC2 instance and perform below steps to connect
to RDS:

## Steps for RDS connection from EC2 (having AMI as Amazon Linux 2)

- To install the MySQL command-line client
- > yum install mariadb
- To check the version of your MySQL command-line client
- > mysql -version
- To connect to a DB instance using the MySQL command-line client
- mysql -h <Endpoint>-P <Port> -u <Master username>-p

## Doing so, will get connection to RDS from EC2 as per below screenshot.

```
| Concept | 172-31-9-97 ec2-user| | pwd | home/ec2-user| | pwd | hom
```

So, as per infra diagram I have done the connection from Elastic Load Balancer to an EC2 instance and from an EC2 instance to a RDS database.

