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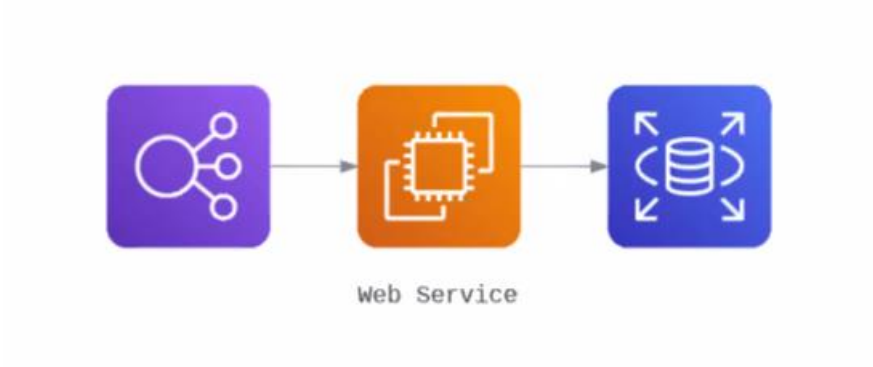
Note :- The answer is in bullets (➔)

Assigignment-6 : AWS Architecture

Ques: Complete the below task:

1. Explain the below AWS Architecture



➔ In this architecture, there is an Elastic Load Balancer (ELB) that sits in front of one or more Amazon Elastic Compute Cloud (EC2) instances. The ELB is a load balancing service that automatically distributes incoming application traffic across multiple EC2 instances in one or more Availability Zones.

The EC2 instances run web service application and are the compute resources for your application.

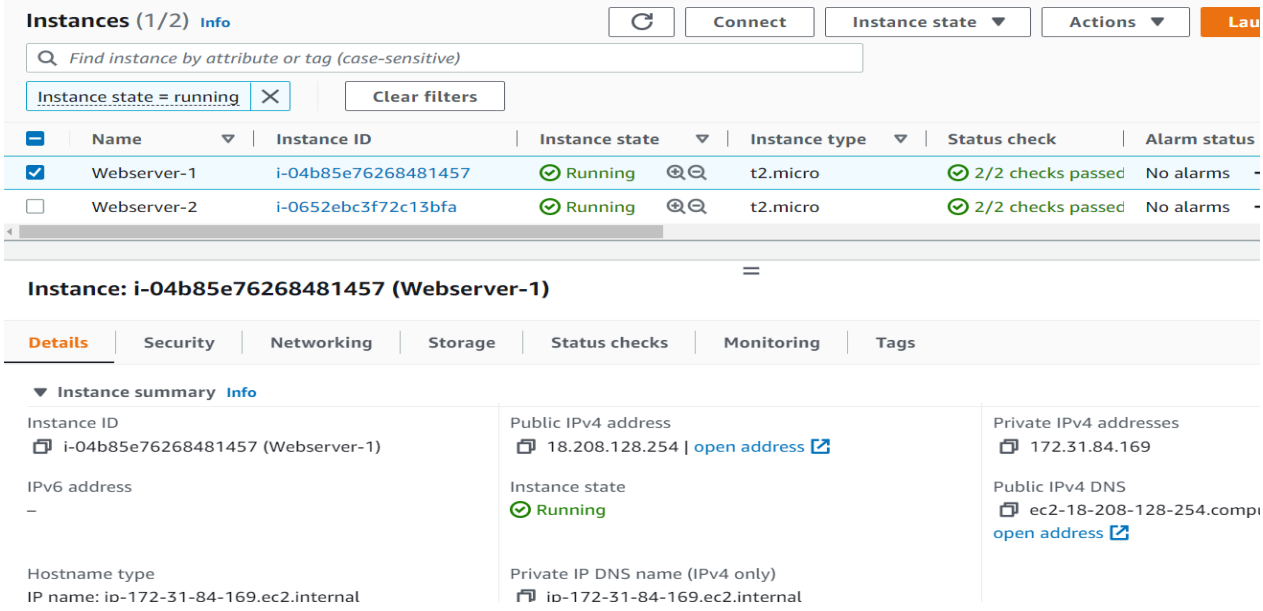
There is also an Amazon Relational Database Service (RDS) instance that is connected to the EC2 instances. The EC2 instances can connect to the RDS instance to read and write data to the database as needed.

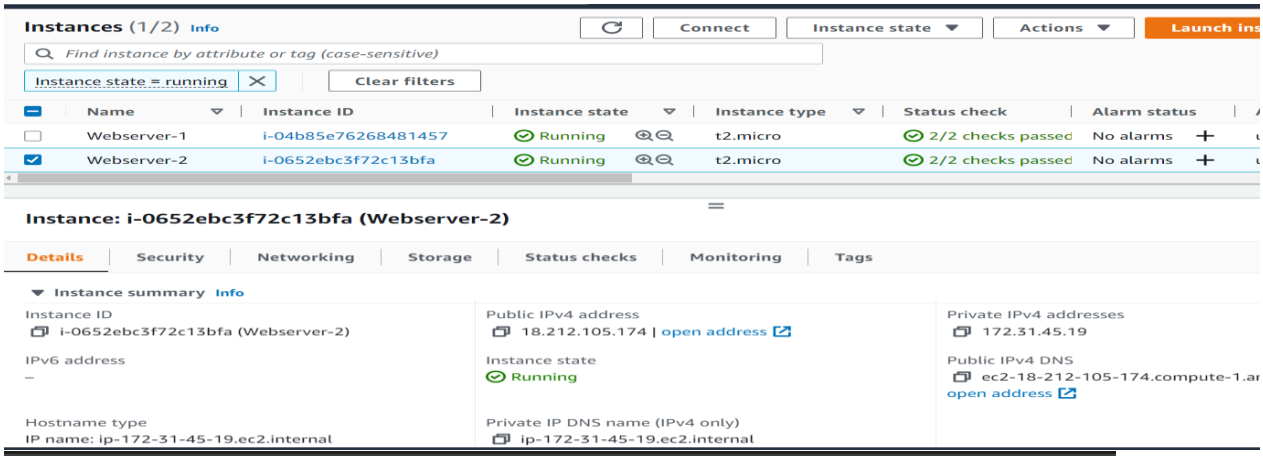
In this architecture, the ELB distributes incoming traffic to the EC2 instances, which handle the request and may also interact with the RDS instance as needed to retrieve or store data. This architecture provides a scalable and highly available solution for running application.

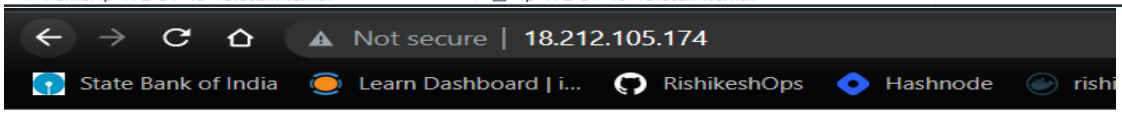
2. Implement the same in the AWS(only do a proper connection between service)

➔ To implement the connection between these services in AWS, follow these steps:

I. Launch one or more Amazon EC2 instances. Run apache webserver on each instance and started a server.







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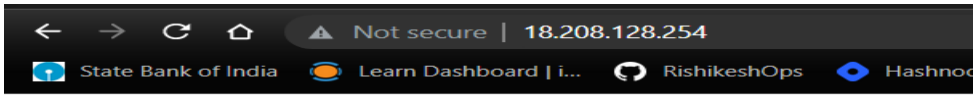
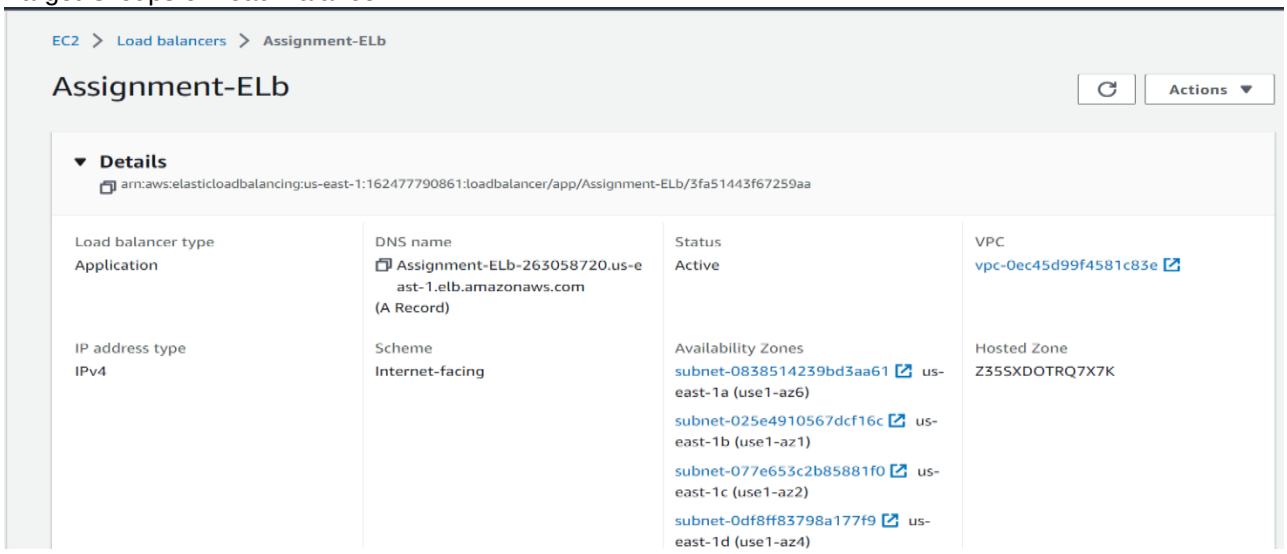


successfull

II. Created an Elastic Load Balancer (ELB) using the AWS Management Console. And added EC2 instances in Target Groups of Load Balancer.



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III. Created an Amazon RDS instance and configure it to accept connections from the Amazon EC2 instances.

IV. Updated the security group settings for the Amazon EC2 instances to allow incoming traffic from the Amazon RDS instance (i.e. Port = 3306).

V. Updated the security group settings for the Amazon RDS instance to allow incoming traffic from the Amazon EC2 instances.