ASSIGNMENT – 6

1. EXPLAIN THE BELOW AWS ARCHITECTUR

ELASTIC LOAD BALANCER

- The load balancer distributes incoming application traffic across multiple targets such as EC2 instances in multiple Availability Zones. This increases the availability of our application.
- It monitors the health of its registered targets, and routes traffic only to the healthy targets.

ELASTIC COMPUTE CLOUD

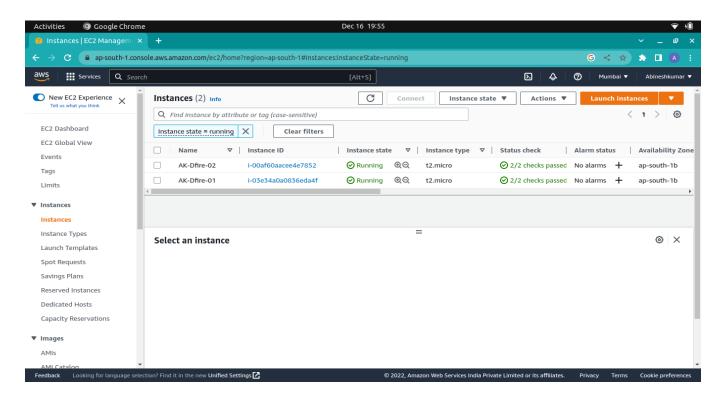
- Elastic Compute Cloud provides scalable computing capacity in the Amazon Web Services Cloud we can use Amazon EC2 to launch as many or as few virtual servers as we need.
- Amazon EC2 enables as to scale up or down to handle changes in requirements or spikes in popularity, reducing your need to forecast traffic.

RELATIONAL DATABASE SERVICE

- Amazon RDS is a Relational Database Cloud Service
- Amazon RDS minimizes relational database management by automation
- Amazon RDS creates multiple instances for high availability and failovers
- Amazon RDS supports PostgreSQL, MySQL, Maria DB, Oracle, SQL Server, and Amazon Aurora. Relational databases are often used for storing transactional and analytical data
- Relational databases provide stability and reliability for transactional databases

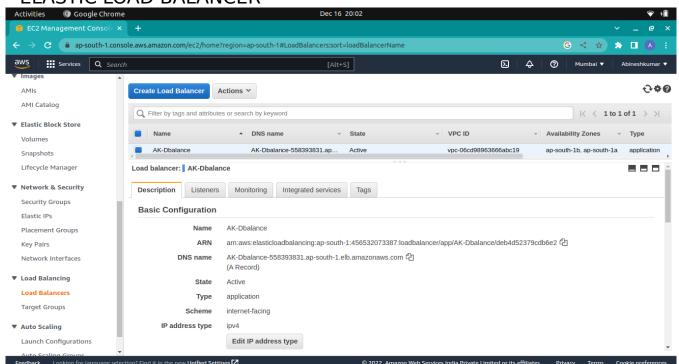
2. Implement the same in the AWS

Launched EC2 instance

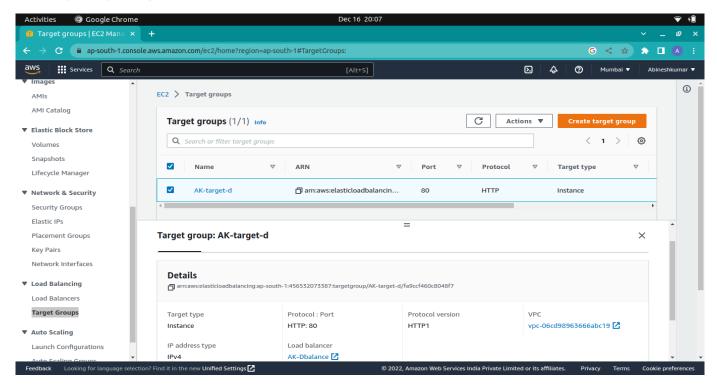


· Two instances launched for load balancing

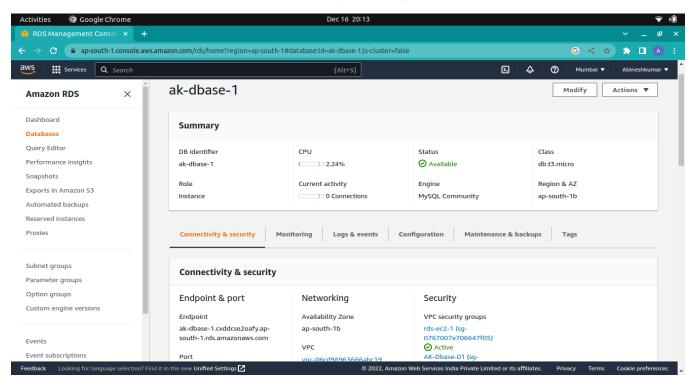
ELASTIC LOAD BALANCER



Target group created



Created relational database engine MySQL



And connected EC2 instance AK-Dbase-01

