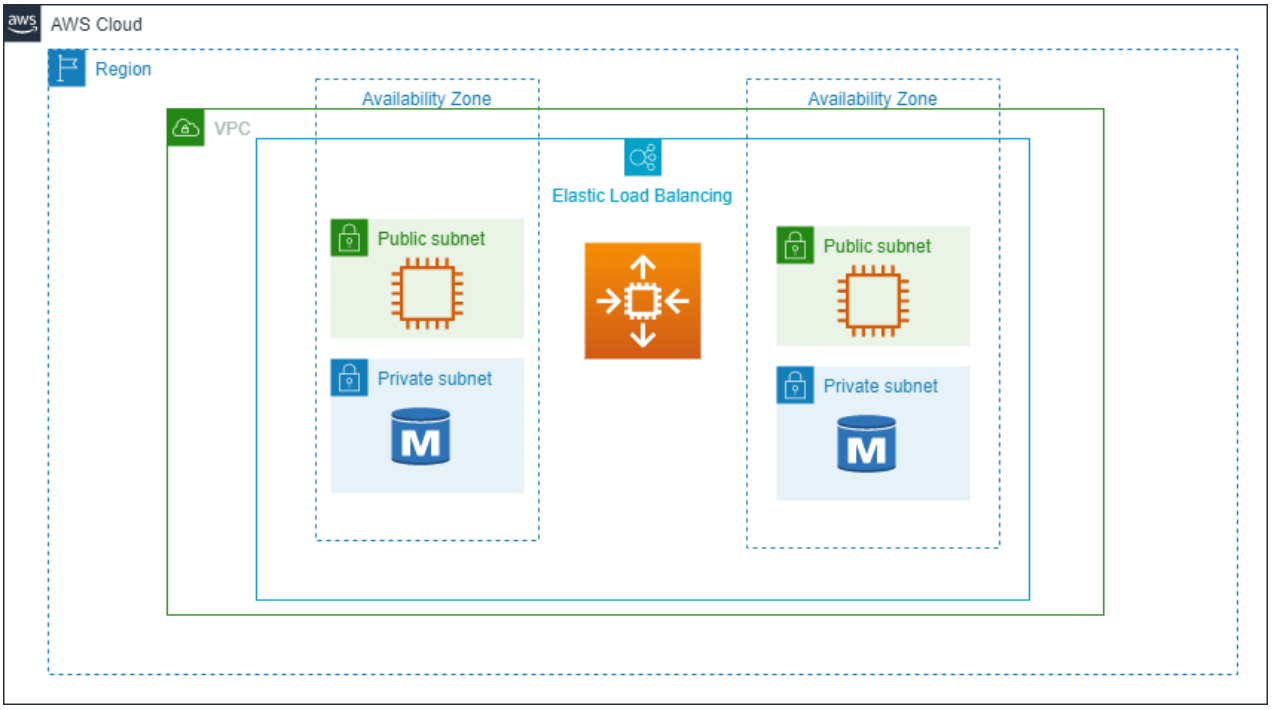
AWS Cloud Technical Essentials Capstone Project

Scenario: You have a web application that accepts requests from the internet. Clients can send requests to query for data. When a request comes in, the web application queries a MySQL database and returns the data to the client.

My Architecture Design and Solution:



This architecture can help the client solve the given scenario.

I created a VPC in a region and added four subnets, which are divided into two public subnets and two private subnets. I used EC2 instances in the public subnets for hosting the application tier and RDS in private subnets for MySQL database tier. I employed Elastic Load Balancing on top of two availability zones to distribute tasks across them and integrated this with an Auto Scaling Group to scale in and out for high availability.