Public Route Table	
local	0.0.0.0/0
igw-	0.0.0.0/0
subnet associated	public subnet 1

Private Route Table 1	
nat-1	0.0.0.0/0
local	10.1.0.0/16
subnet associated	private subnet 1

Private Route Table 2	
nat-2	0.0.0.0/0
local	10.1.0.0/16
subnet associated	private subnet 2

App Server Security Group

Inbound rules: Allows traffic from the application load balancer,SSH traffic from my IP & MYSQL/Aurora and traffic from the DB Instance SG

Outbound Rules: Allows HTTP, HTTPS to the application load balancer, SSH to my ip, as well as MySQL/Aurora traffic to the the DB Instance SG

Application Load Balancer SG

Inbound rules:Allows HTTP, HTTPS traffic from the internet

Outbound rules: Allows HTTP, HTTPS traffic to the App Server SG

DB Instance Security Group

Inbound Rules: Allows MySQL/Aurora traffic from the app server ip range

Outbound: Allows only mysql/aurora traffic to App Server SG

Internet

Availability Zone 1

Amazon VPC - CIDR: 10.1.0.0/16

Public Subnet 1 - CIDR: 10.1.1.0/24

Elastic IP Address

NAT gateway 1

Internet facing application load balancer

Internet gateway

Availability Zone 2

Public Subnet 2 - CIDR: 10.1.2.0/24

Internet facing application load balancer

Elastic IP Address

NAT gateway 2

Private Subnet 2 - CIDR:10.1.3.0/24

Security Group

App Server

Auto Scaling group

Private Subnet 2 - CIDR 10.1.4.0/24

Security Group

App Server

Security Group

MariaDB

Aurora MariaDB Instance

RDS Multi AZ standby instance