Three-Tier architecture
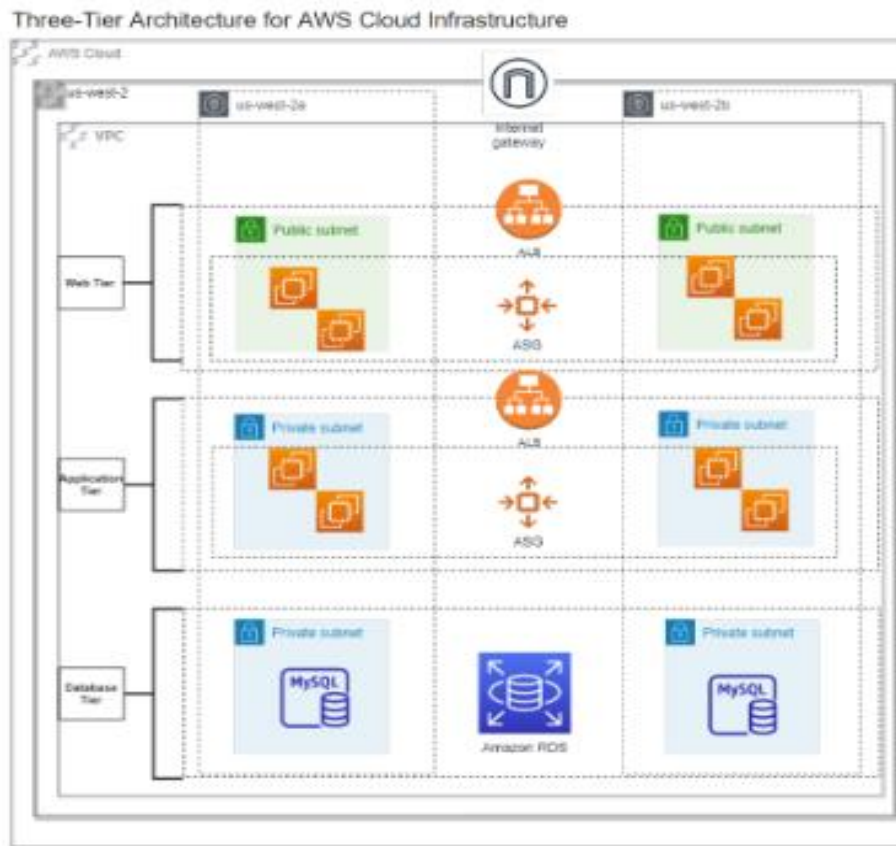
Name : M.Renuka

Phone:9391576151
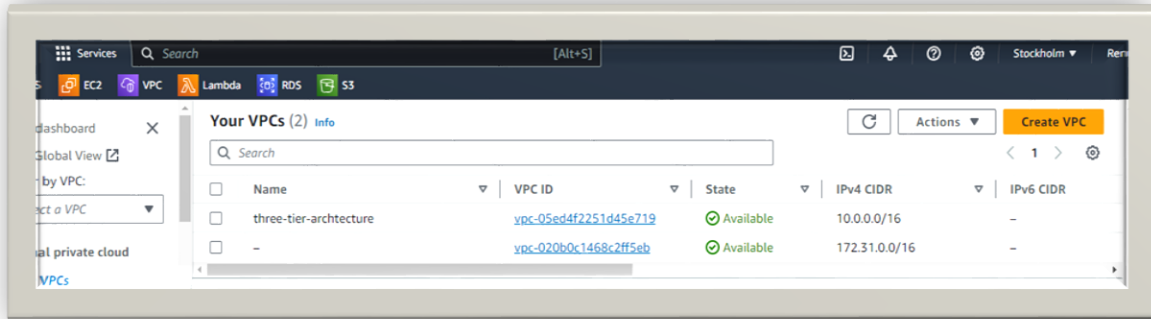
Gmail: renukamandaluru@gmail.com

Batch:119(7am)

Three-Tier Architecture for AWS Cloud Infrastructure

Benefits of a Three-Tier AWS Architecture

1. Let's Begin by Creating a VPC:

2. Create the Required Subnets

- **Presentation Tier Subnets:**

  my-Public-Subnet-1: 10.0.1.0/24 (us-west-2a)

  my-Public-Subnet-2: 10.0.2.0/24 (us-west-2b)

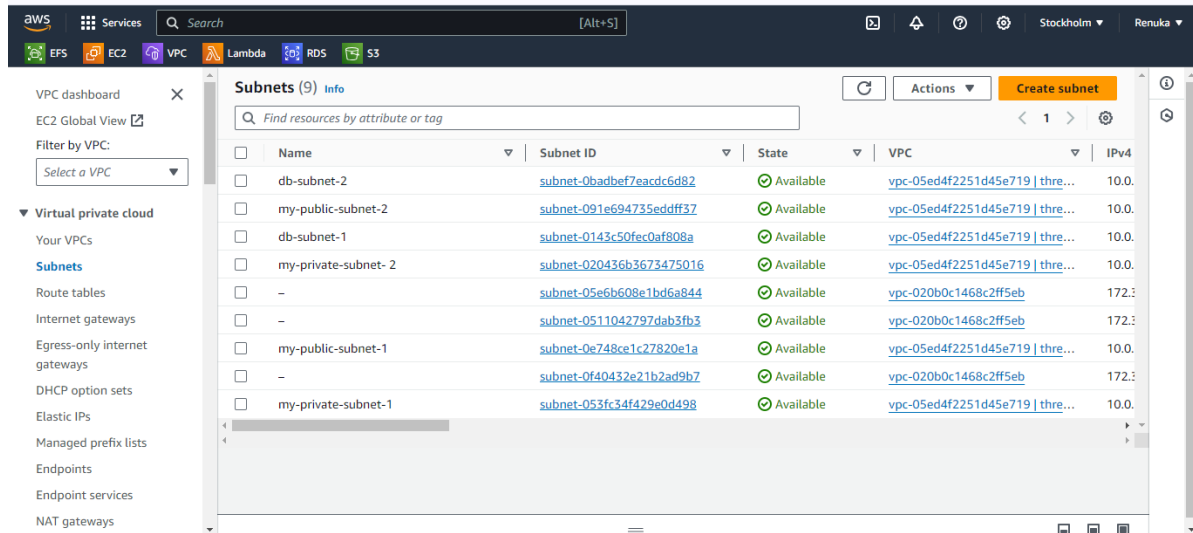- **Application Tier Subnets:**

  my-Private-Subnet-1: 10.0.3.0/24 (us-west-2a)

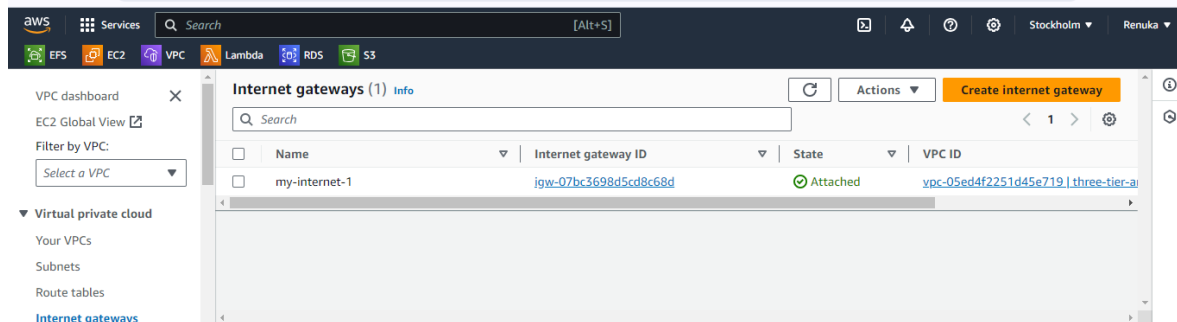 my-Private-Subnet-2: 10.0.4.0/24 (us-west-2b)

- **Database Tier Subnets:**

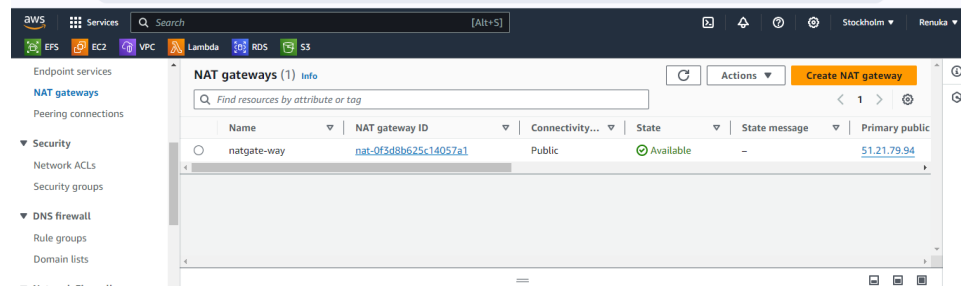 DB-Subnet-1: 10.0.5.0/24 (us-west-2a)

  DB-Subnet-2: 10.0.6.0/24 (us-west-2b)
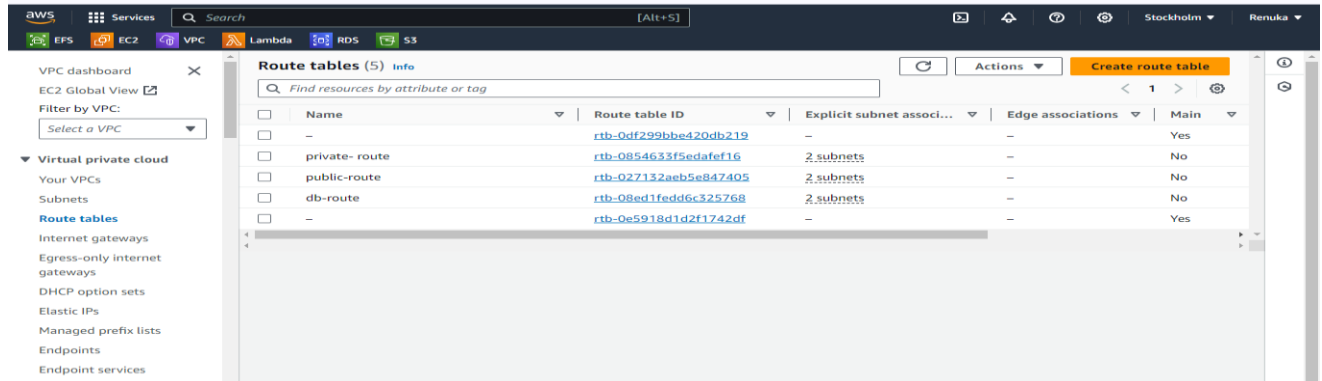
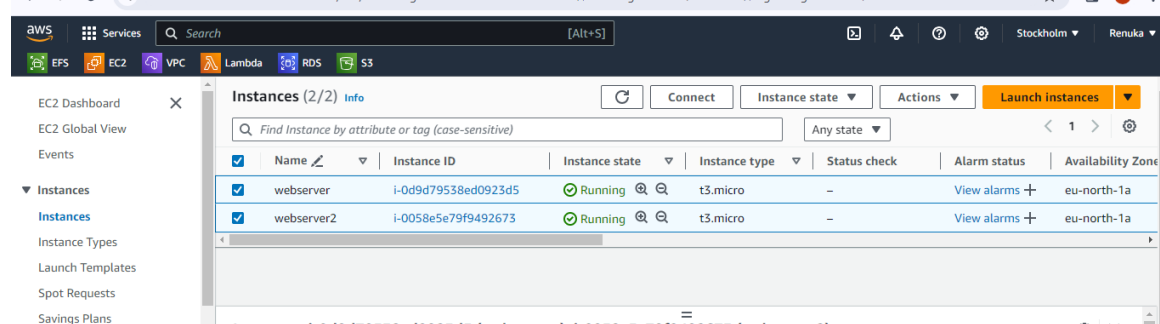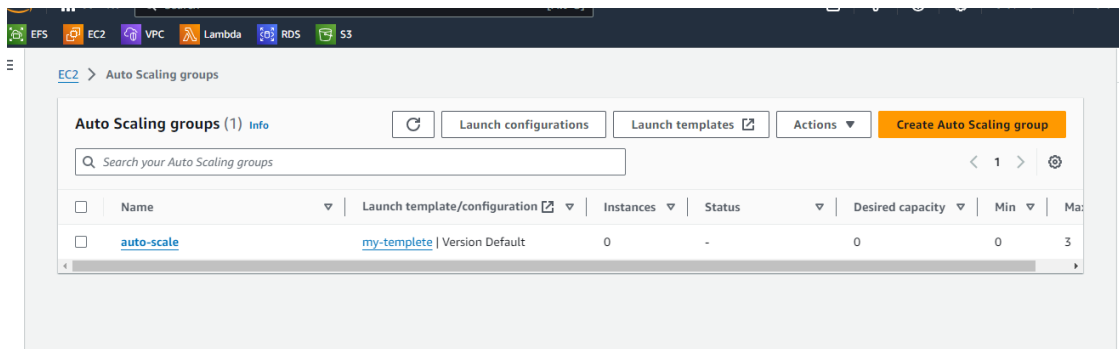## 3. Setup an Internet Gateway

4. Setup a NAT Gateway

5. Create the Route Tables and Associate them with the Relevant Subnets

6. Create a Launch Template with a Bootstrap script to Install & launch Apache

7. Create Auto Scaling Group

8. Navigate to the RDS Service

eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0d9d79538ed0923d5&osUser=ec2-user&region=eu-north-1&sshPor...

aws | Services | Search | [Alt+S] | Stockholm ▾ | Renuka ▾

EFS EC2 VPC Lambda RDS S3

```
        .\  ####
    ~~\_ ####\
      ~~  \###|                Amazon Linux 2023
        ~~  \#/ ___
   ~~      V~' '->
    ~~~
      ~~._.   _/                https://aws.amazon.com/linux/amazon-linux-2023
         _/ _/
       _/m/'

ec2-user@ip-10-0-1-24 ~]$
ec2-user@ip-10-0-1-24 ~]$ ping 13.60.4.173:80
ing: 13.60.4.173:80: Name or service not known
ec2-user@ip-10-0-1-24 ~]$ sudo -i
root@ip-10-0-1-24 ~]# ping 13.60.4.173
ING 13.60.4.173 (13.60.4.173) 56(84) bytes of data.

- 13.60.4.173 ping statistics ---
15 packets transmitted, 0 received, 100% packet loss, time 118575ms

root@ip-10-0-1-24 ~]# ping 13.60.4.173
ING 13.60.4.173 (13.60.4.173) 56(84) bytes of data.
```

i-0d9d79538ed0923d5 (webserver)   ✕

PublicIPs: 13.60.4.173   PrivateIPs: 10.0.1.24