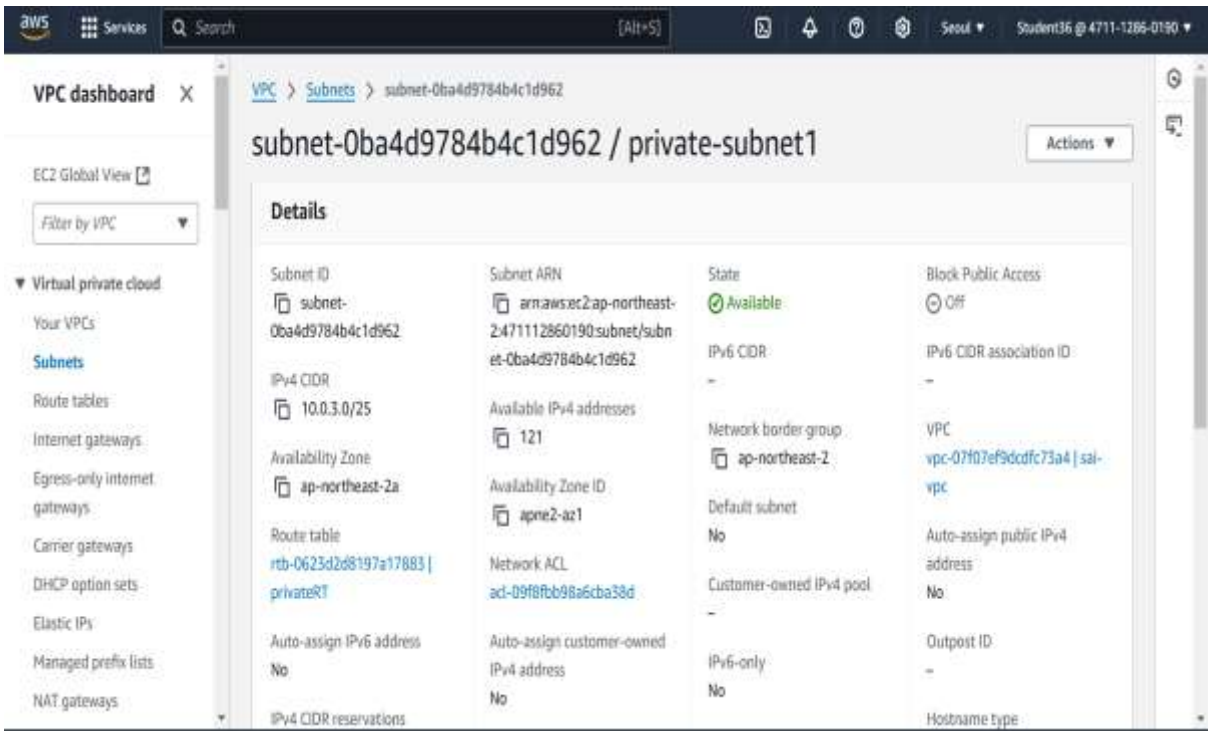
3.How to connect private server to internet using NAT gateway(Jump server/bastion host)

Create Subnets

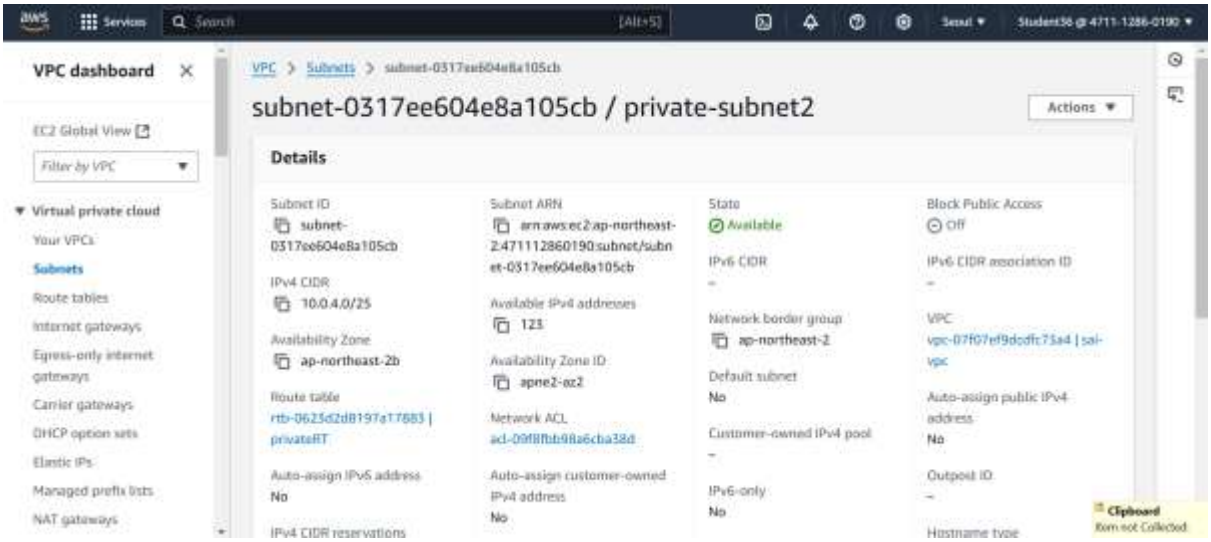
Steps

1. In the VPC dashboard, select **Subnets**.
2. Click the create subnet button to create 2 public and 2 private subnets.
3. Select the VPC created.
4. Provide with the subnet name, availability zone and IPv4 subnet CIDR block for both private and public subnets.

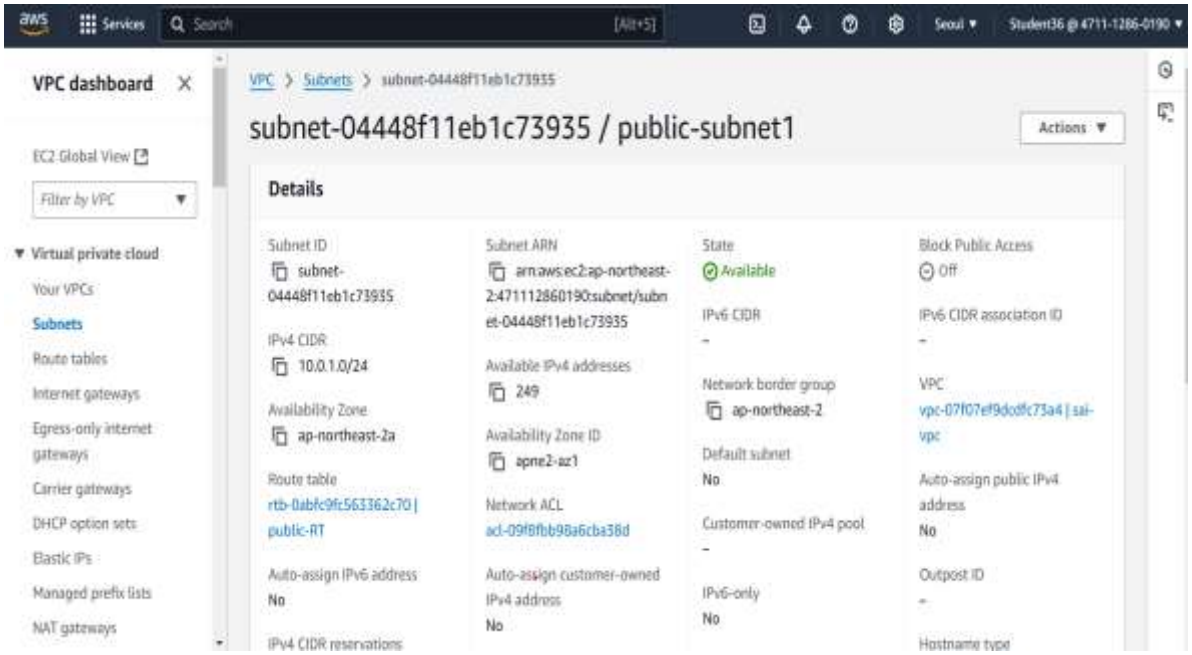
Private subnet1



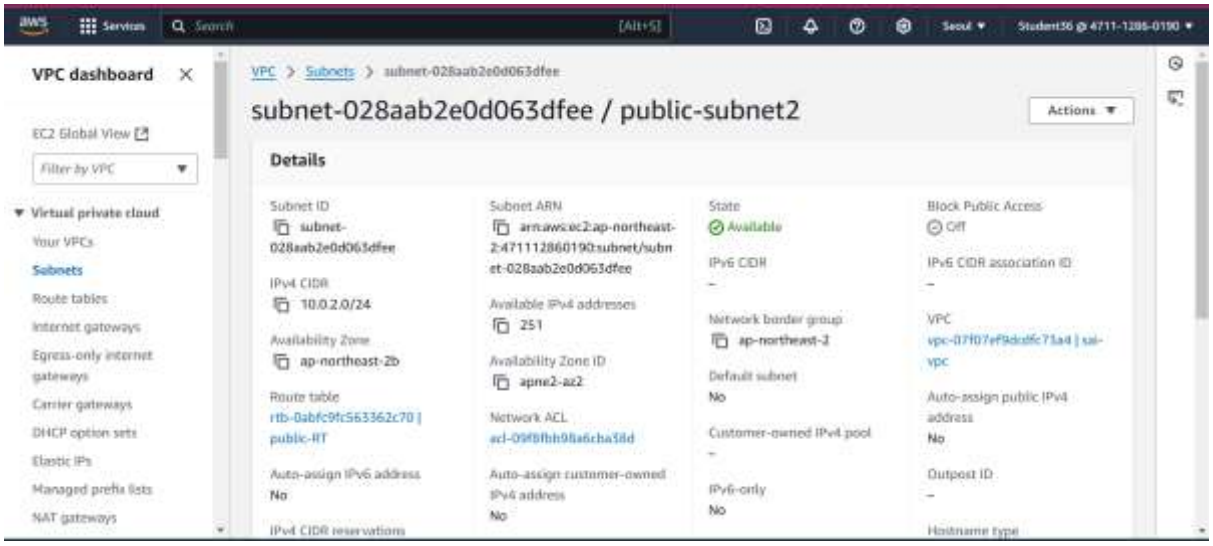
Private subnet2



Public subnet1



Public subnet2



Create Route Table

Steps

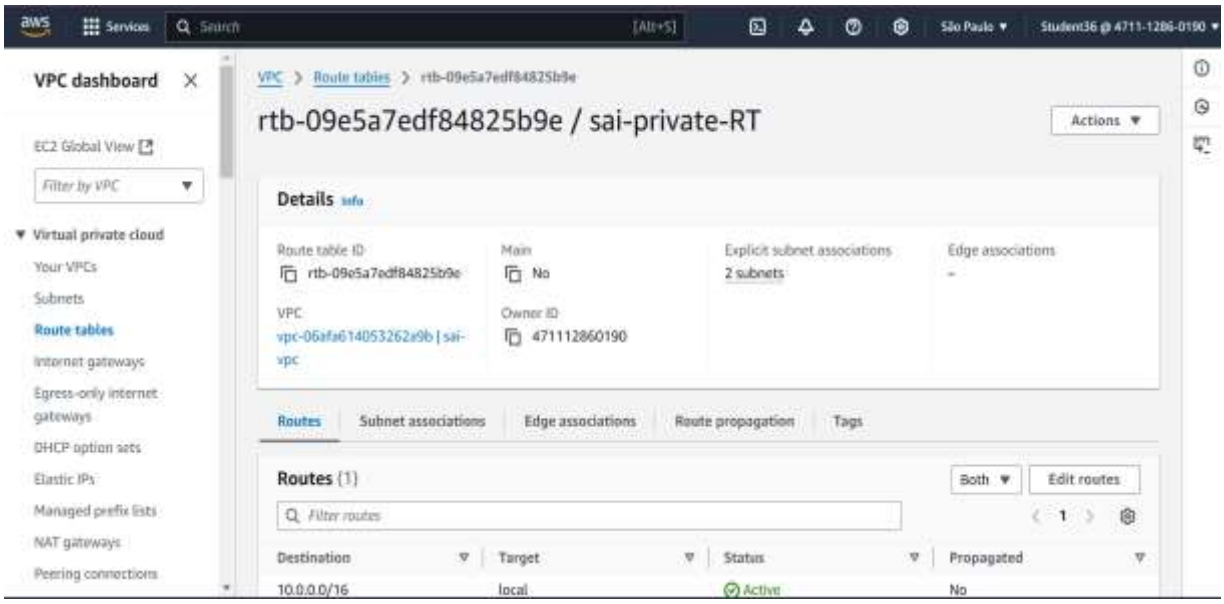
1. In the VPC dashboard, select **Route Table**.

2. Click the create route table button.

3. Provide the name as neha-private-RT and the created VPC.

4. Under the Subnet Association, click Edit subnet association.

5. Check the private subnets and save association.



Create NAT gateway

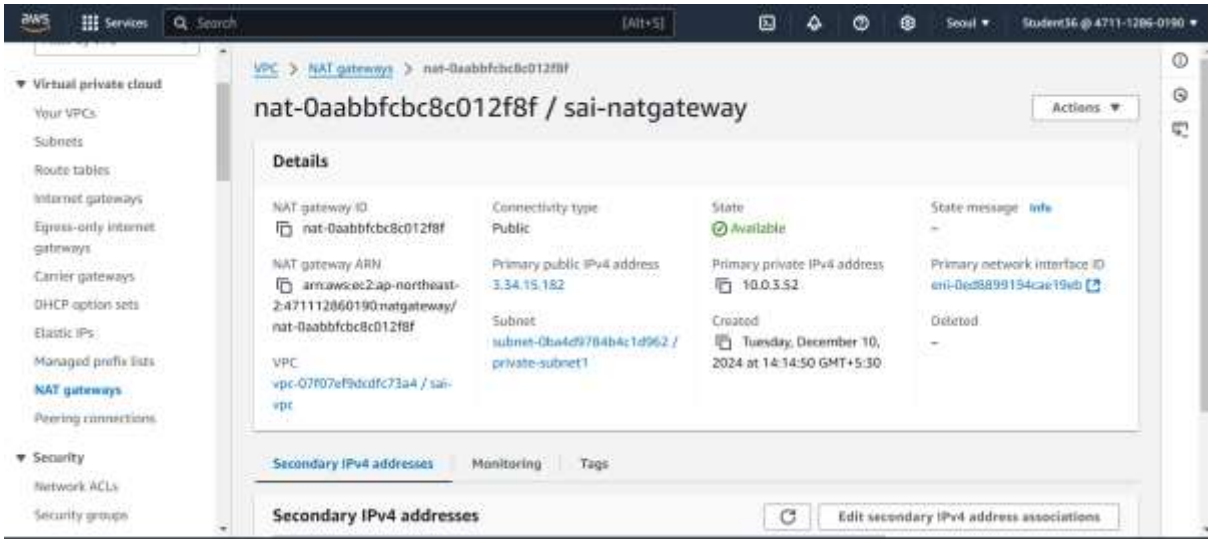
Steps

1. In the VPC dashboard, select **NAT Gateways**.

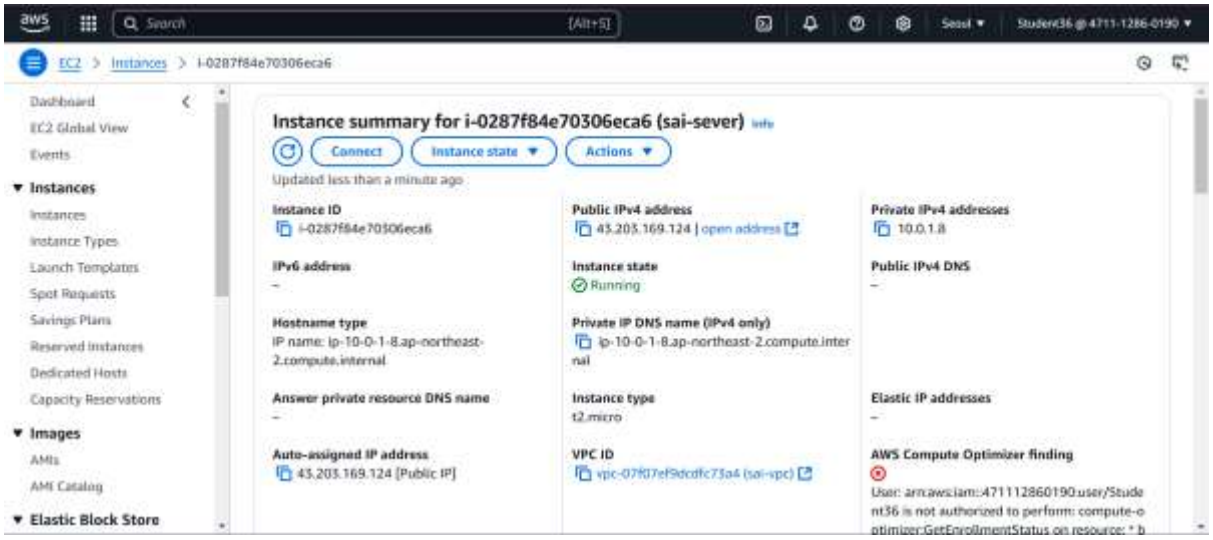
2. Click the create NAT Gateway.

3. Provide the name as sai-natgateway and select the created public subnet and the allocate Elastic IP allocation ID.

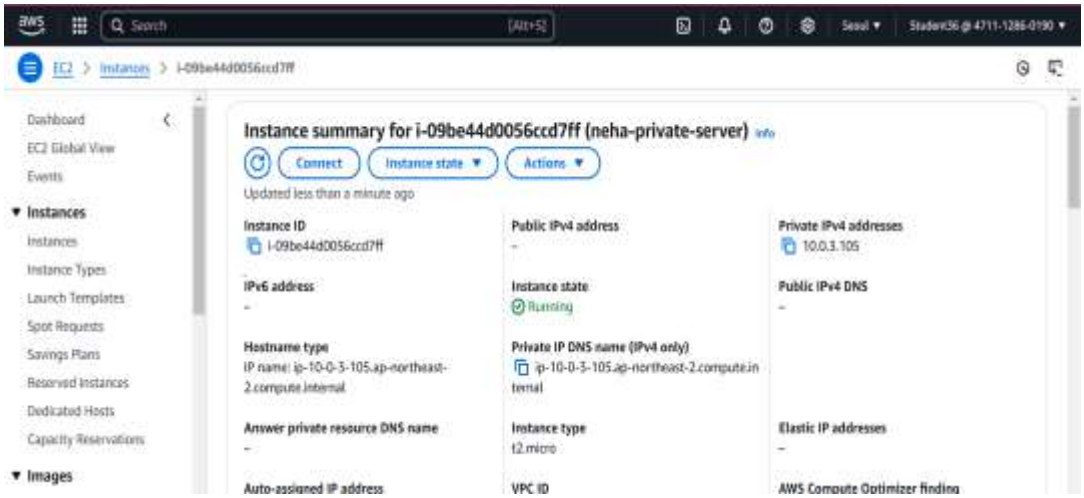
4. In the route table check the private-RT and provide the target as NAT gateway.



Create public server



Create Public server



Create Private server

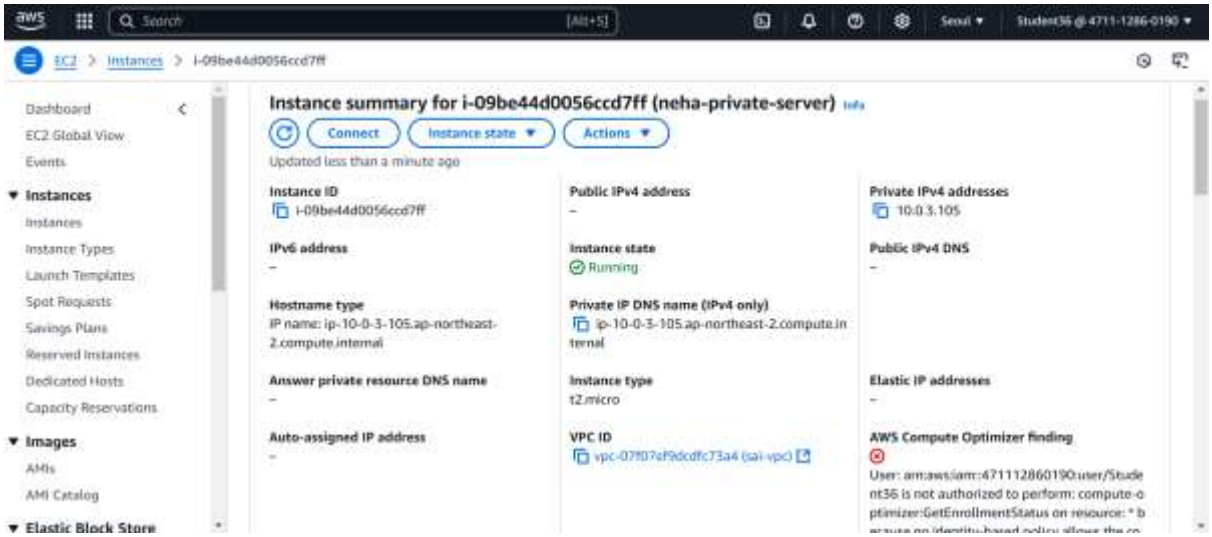
Steps

1. In EC2 dashboard**,** select instance and click Launch instances.

2. Provide the name as sai-private-server and create a private keypair.

3. Select the appropriate VPC and provide the security group as sai-private-server-SG.

4. Launch the instance.



Final result

Open the command prompt and provide the following commands

1. cd downloads