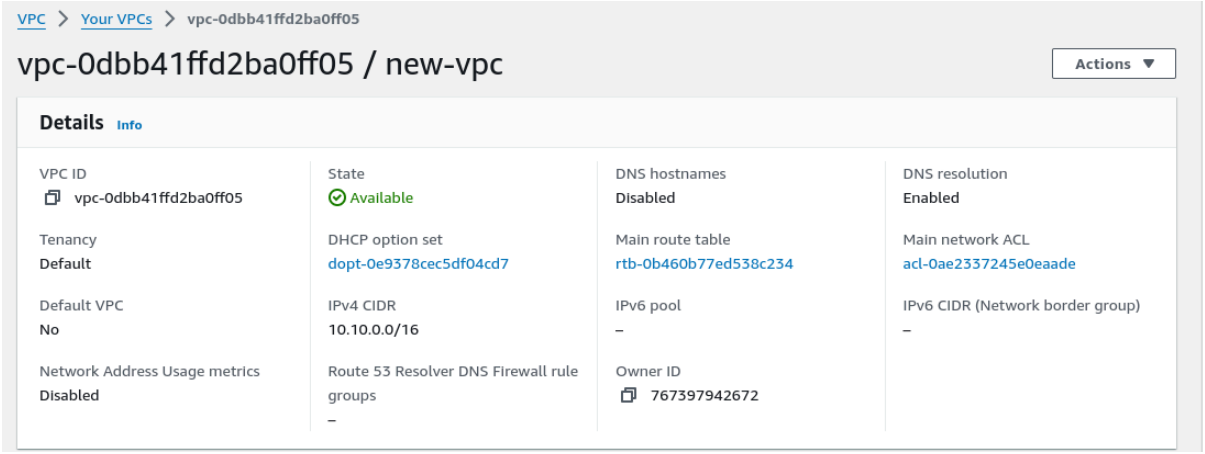
VPC configuration

This documentation will help you to create vpc and full configuration of vpc.

- Login to aws and go to the AWS console.

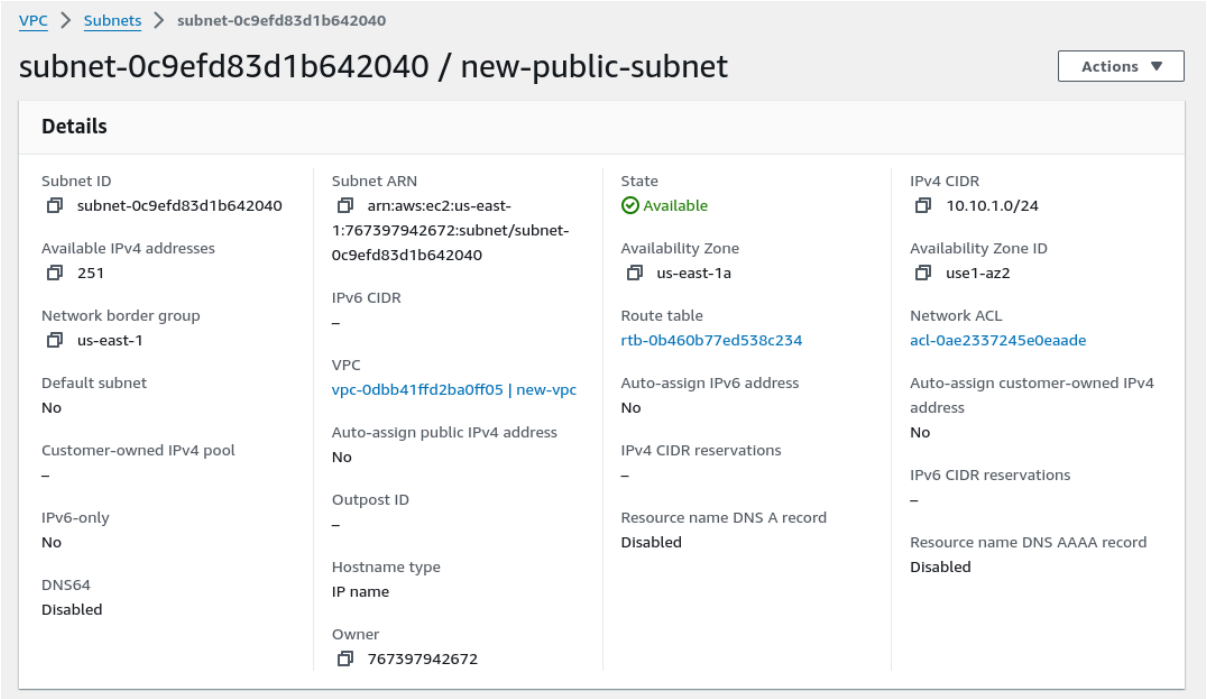
CREATION OF VPC:

- Search VPC and go to create VPC.Choose
  VPC name: new-vpc and its
  CIDR range: 10.10.0.0/16.



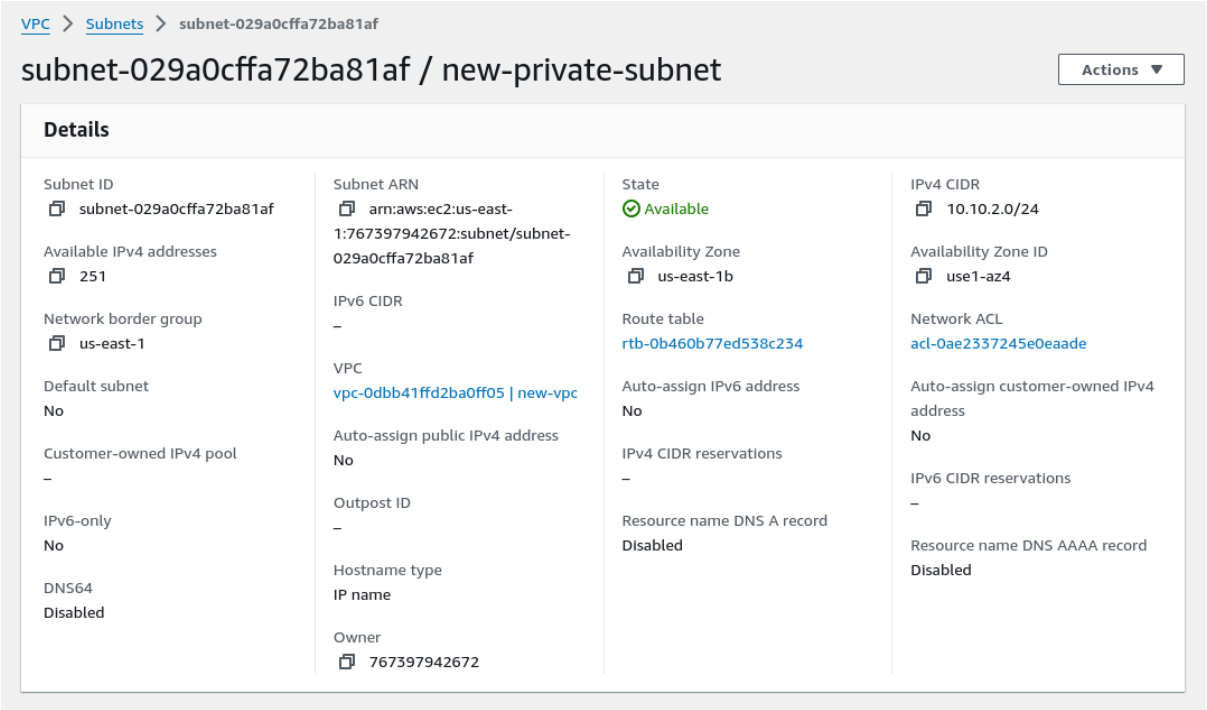
CREATION OF SUBNETS:

- Navigate through subnet
- Choose to create a subnet and create two subnets(public and private).
- Create
  public subnet: new-public-subnet
  vpc : new-vpc
  Availability zone : 1a
  CIDR range : 10.10.1.0/24



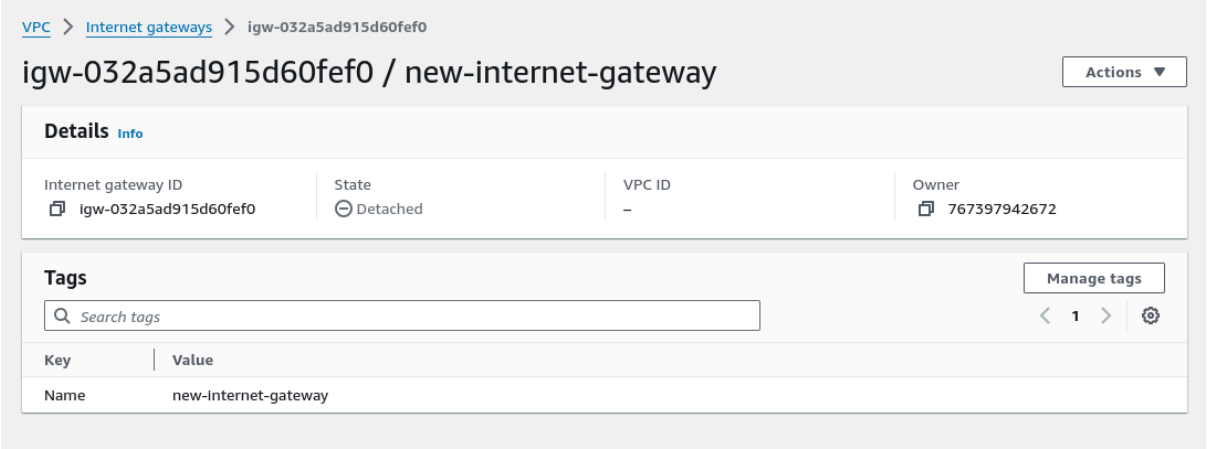
- Create

  private subnet: new-private-subnet
  vpc : new-vpc
  Availability zone : 1b
  CIDR range : 10.10.2.0/24

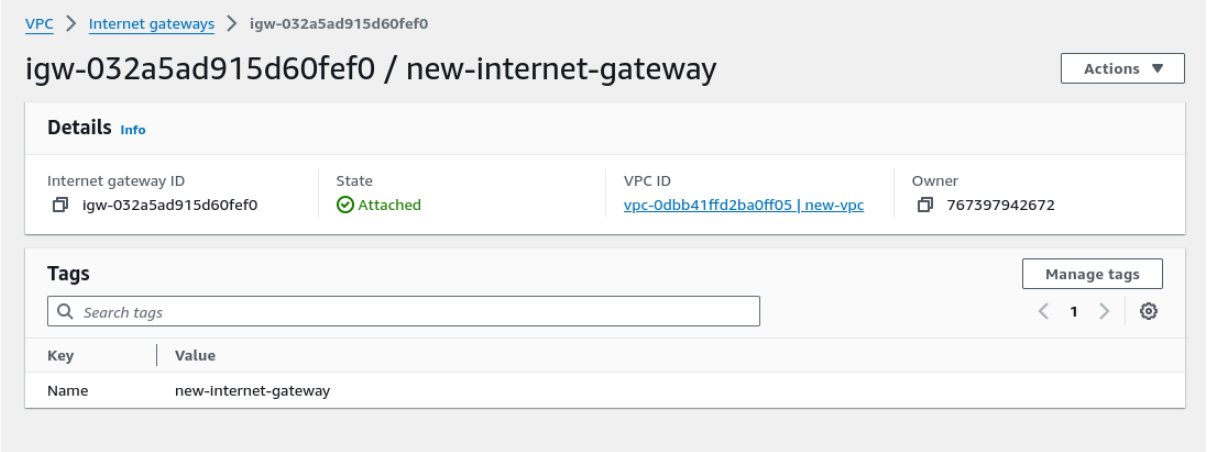


CREATION OF INTERNET GATEWAY:

- Navigate through internet gateway
- Create an internet gateway named new-internet-gateway.



- Go through actions and Attach it to vpc (new-vpc).

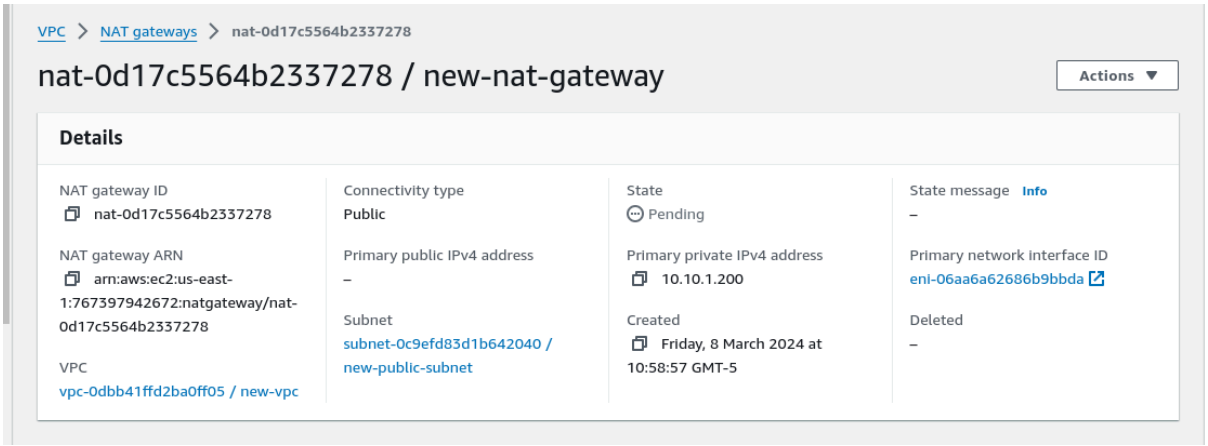


CREATION OF NAT GATEWAY:

- Navigate through Nat gateway and choose nat gateway.

- Choose
  Name : new-nat-gateway
  Subnet : new-public-subnet
  Note : nat gateway is always placed in a public subnet.

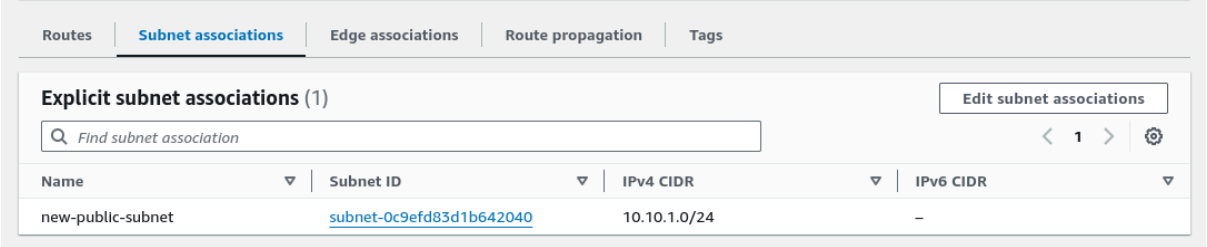
- Allocate elastic IP for nat gateway.



CREATING PUBLIC ROUTE TABLE:

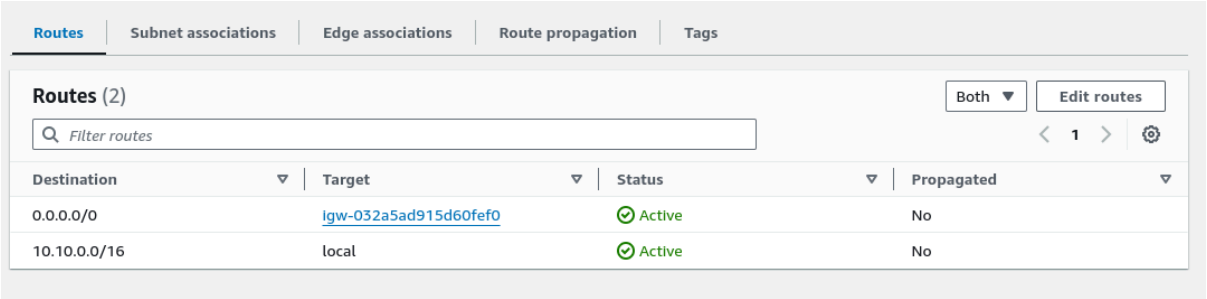
- Navigate through route table and choose create route table
- Choose
  Name : new-public-route-table
  Vpc : new-vpc

- Choose **Edit subnet association** and select new-public-subnet for association.



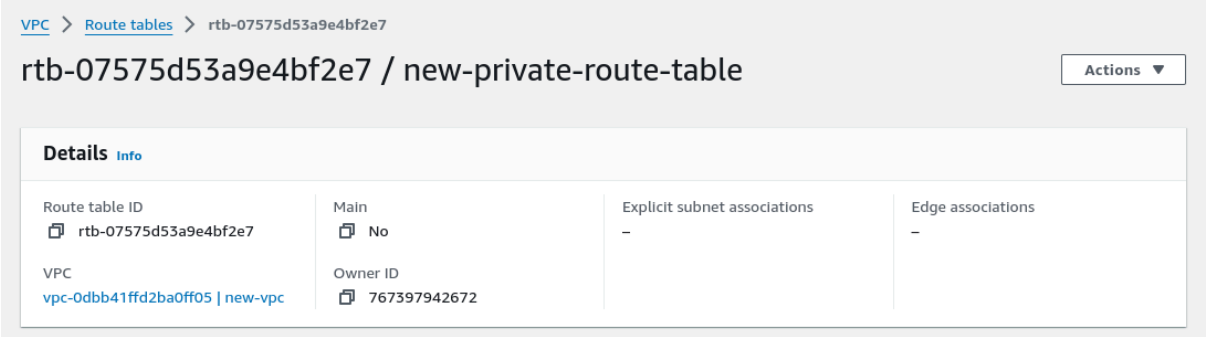
- Choose **edit routes** and select

Destination : 0.0.0.0/0
Target : new-internet-gateway

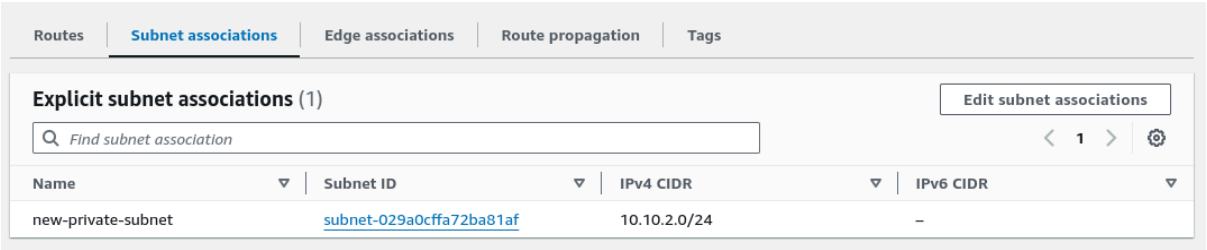


CREATING PRIVATE ROUTE TABLE:

- Choose create route table
- Choose
  Name : new-private-route-table
  Vpc : new-vpc

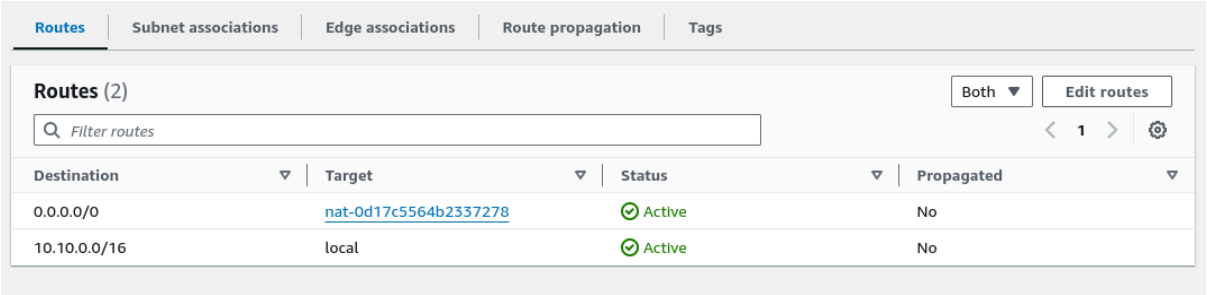


- Choose **Edit subnet association** and select new-private-subnet for association.



- Choose **edit routes** and select
  Destination : 0.0.0.0/0

Target : new-nat-gateway



CHECKING THE CONFIGURATION OF VPC:

- The configuration of vpc can be checked through a resource map by its path.