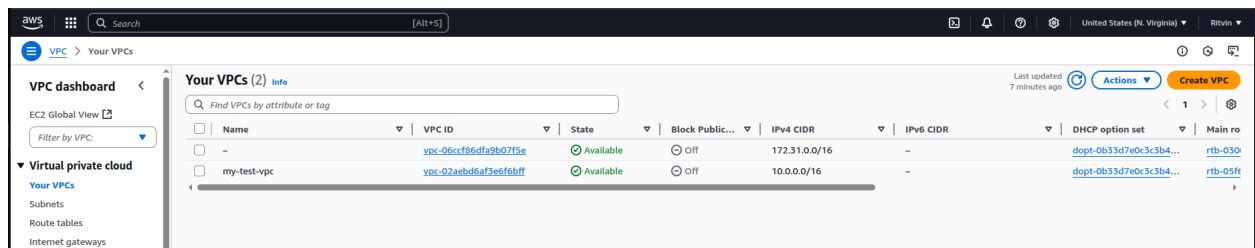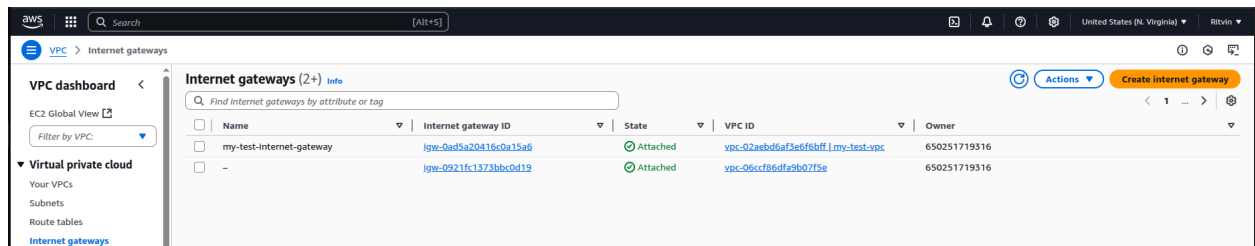# AWS Task–2

Task Description:

Set up a VPC with an Internet gateway, create a public subnet with 256 IP addresses, a private subnet with 256 IP addresses, make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above VPC and public subnet.
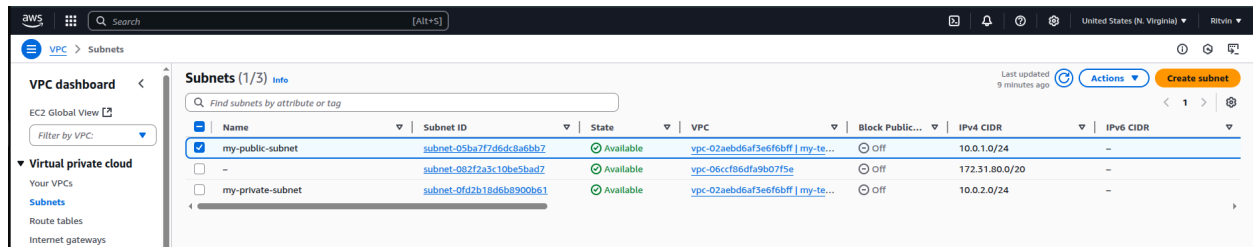
1) VPC setup:

- Name: my-test-vpc
- IPV4 CIDR block: 10.0.0.0/16

2) Internet Gateway:

- Name: my-test-internet-gateway
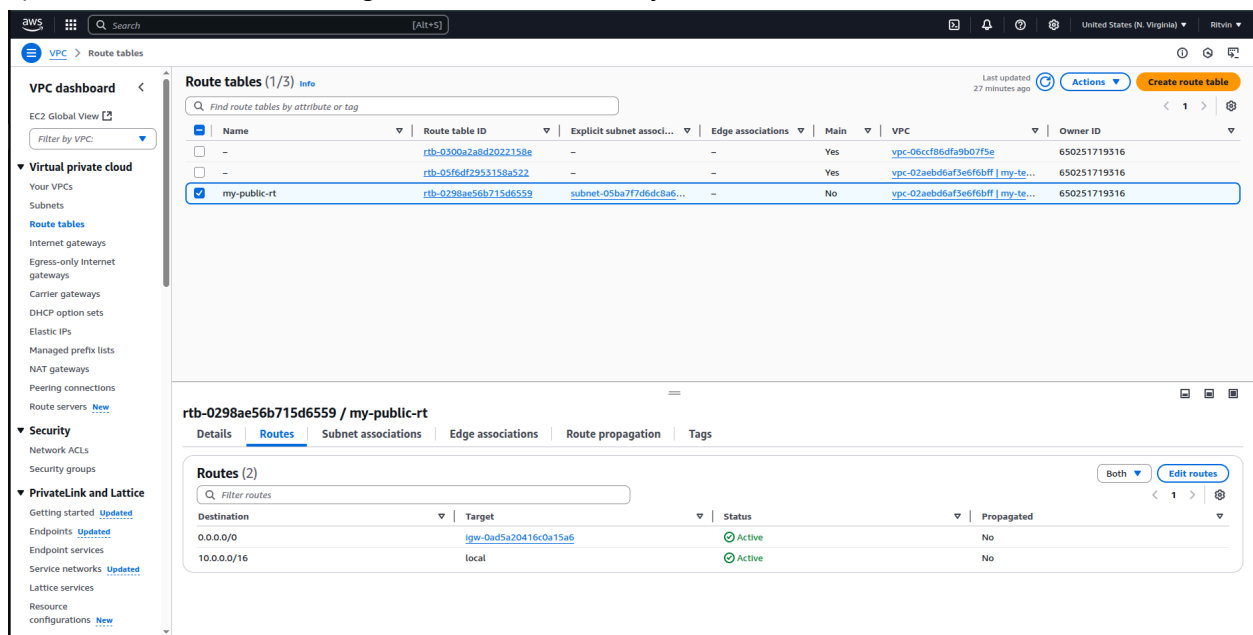- Attached to: my-test-vpc

3) Public & Private Subnet with 256 IP addresses:

- VPC Linked: my-test-vpc
- Subnet_name: my-public-subnet (us-east-1a)
- IPV4 CIDR: 10.0.1.0/24
- Subnet_name: my-private-subnet (us-east-1a)
- IPV4 CIDR: 10.0.2.0/24

4) Route table connecting to Internet Gateway & Subnets:

- Name: my-public-rt
- VPC Linked: my-test-vpc
- Subnet Associated: my-public-subnet (us-east-1a) - 10.0.1.0/24
- Internet Gateway linked: my-test-internet-gateway

5) Launching EC2 instance using above VPC & Subnets:

- VPC Linked: my-test-vpc
- Subnets Linked: my-public-subnet