

Task-2

Set up a Virtual Private Cloud (VPC)/ Vnet on any cloud to securely host your resources, allowing you to define your own network environment.

Start:

I am using AWS cloud platform.

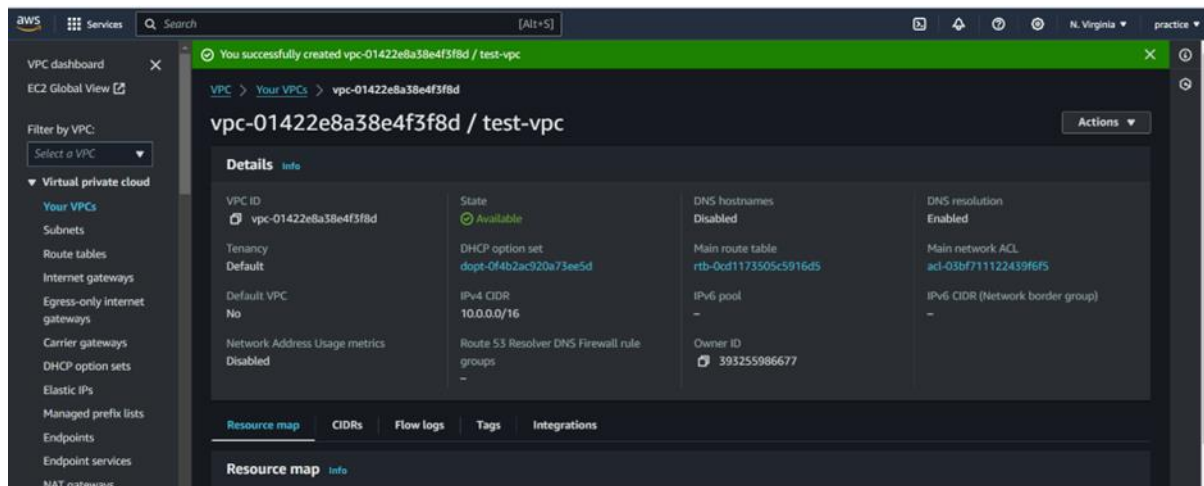
Create a VPC (virtual private cloud).

Step-1:

Now, I am login AWS console, open VPC service.

Firstly, I am creating a VPC

Create a vpc

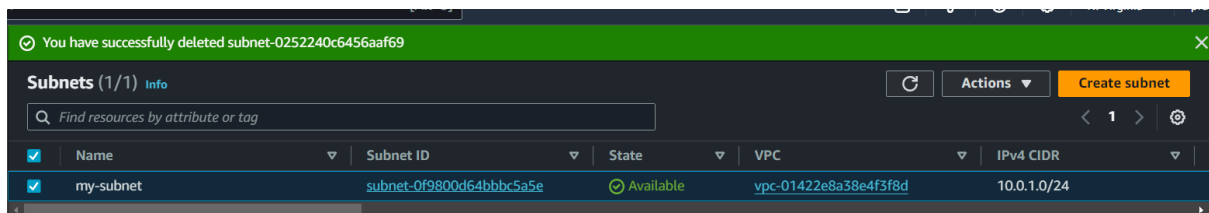


Name tag: test-vpc

Ipv4 CIDR block: 10.0.0.0/16

Step-2:

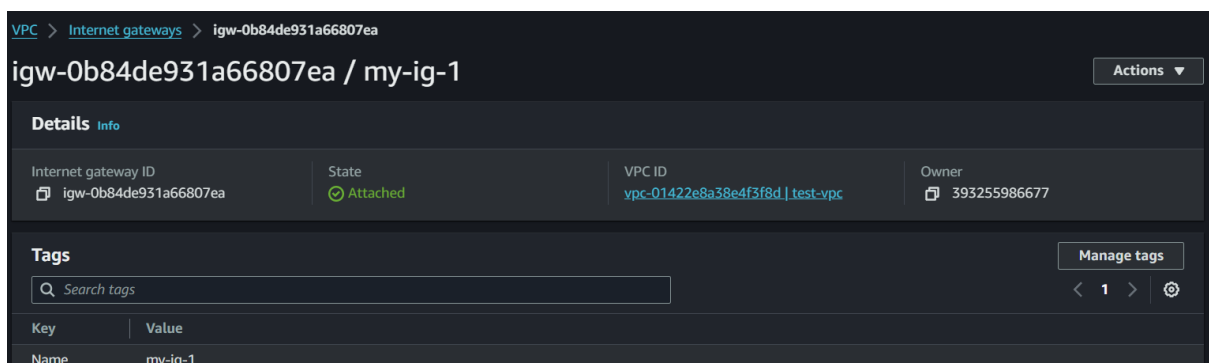
Create a subnet



IPv4 CIDR: 10.0.1.0/24

Step-3:

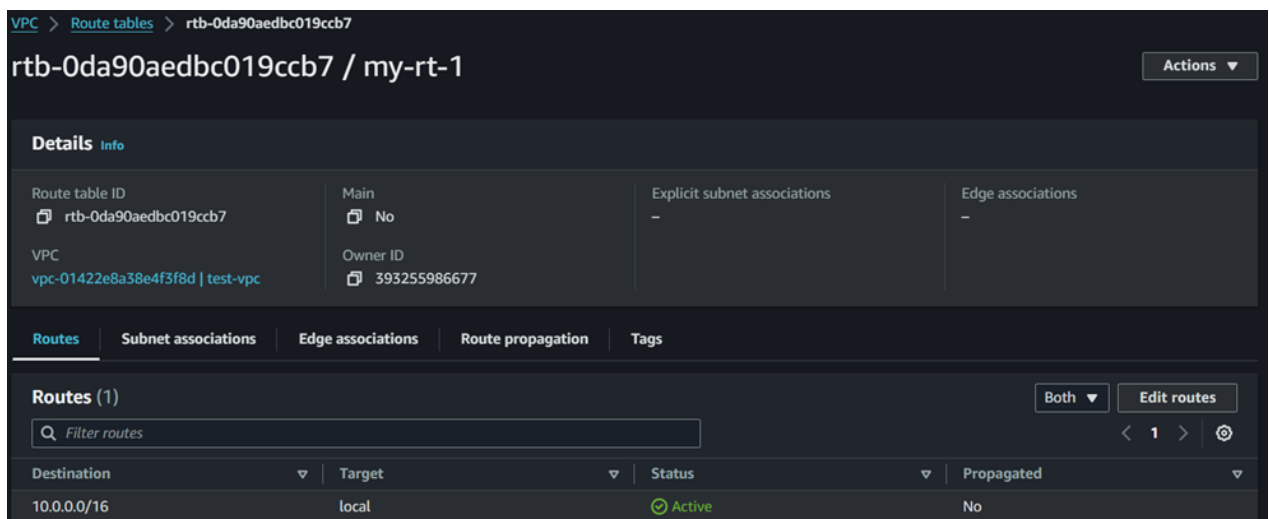
Create internet gateway



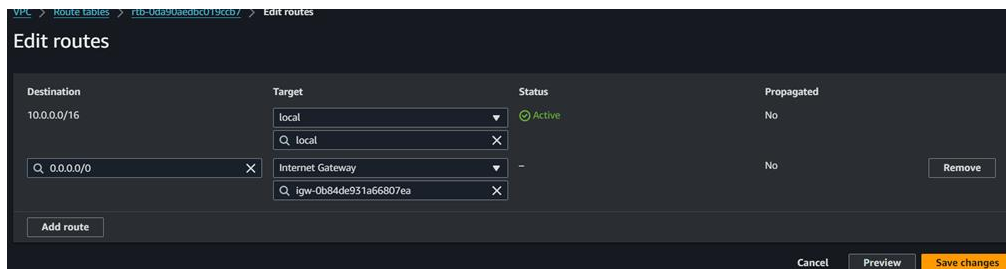
Attach vpc

Step-4:

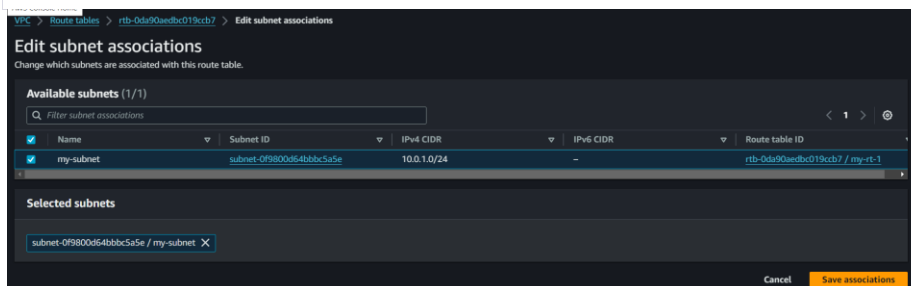
Create a route table



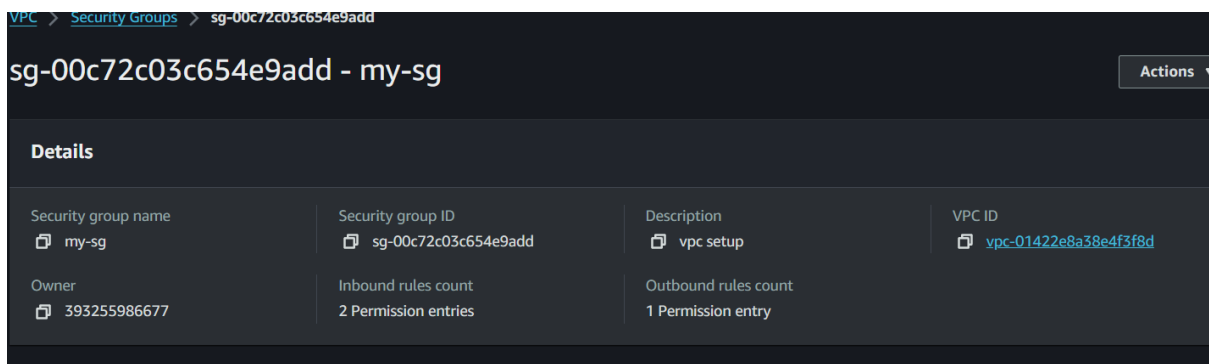
Attach internet gateway (for subnets internet access)



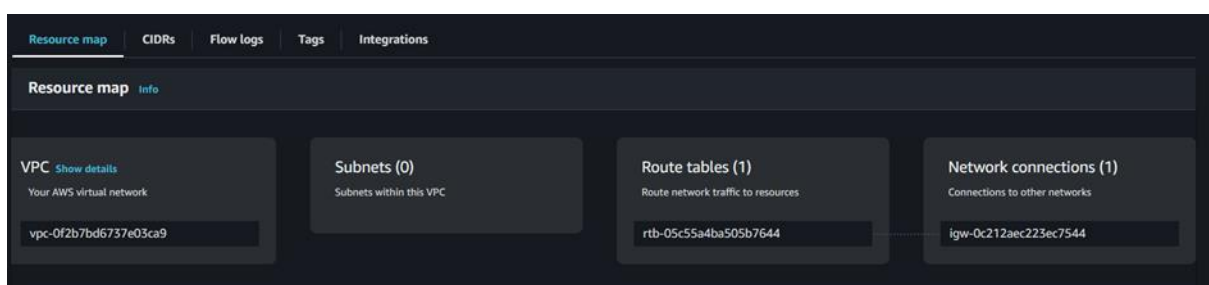
Edit associates subnets (for ensuring our traffic and each subnet associate by VPC)
Save subnets the associates



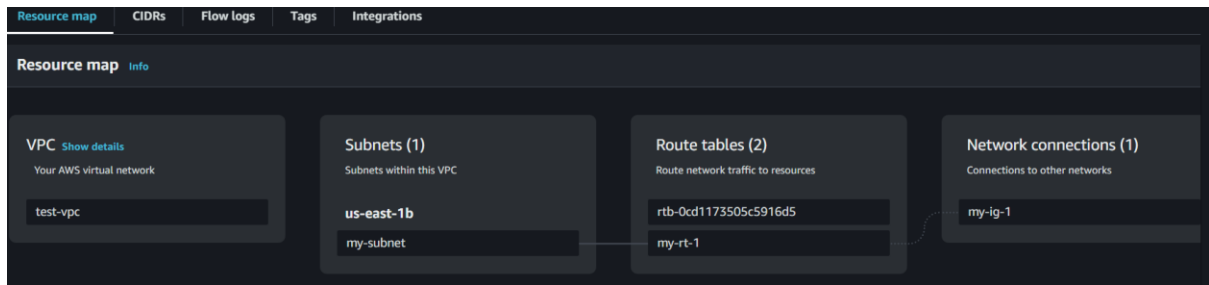
Step-5: Create a security groups



Before VPC resources maps



After VPC resources maps



Step-6: Launch instance (ec2 instance ubuntu) Create instance :

Instance name: vpc-demo, Ami: ubuntu, Instance type: t2.micro

▼ Network settings [Info](#)

VPC - required [Info](#)

vpc-01422e8a38e4f3f8d (test-vpc) [10.0.0.0/16](#) [Refresh](#)

Subnet [Info](#)

subnet-0f9800d64bbbc5a5e [my-subnet](#) [Refresh](#) [Create new subnet](#)

VPC: vpc-01422e8a38e4f3f8d Owner: 393255986677 Availability Zone: us-east-1b
IP addresses available: 251 CIDR: 10.0.1.0/24

Auto-assign public IP [Info](#)

Enable [Refresh](#)

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☐ Create security group ☒ Select existing security group

Common security groups [Info](#)

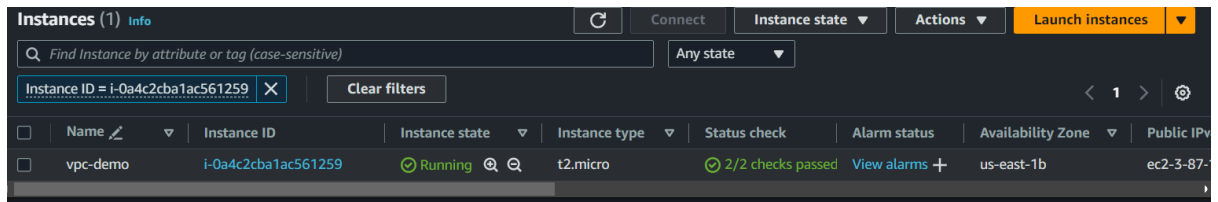
Select security groups [Refresh](#) [Compare security group rules](#)

my-sg sg-00c72c03c654e9add [X](#)
VPC: vpc-01422e8a38e4f3f8d

Security groups that you add or remove here will be added to or removed from all your network interfaces.

► **Advanced network configuration**

Launch instance



Then connect the server on git bash

Verified my instance (for check my internet access)