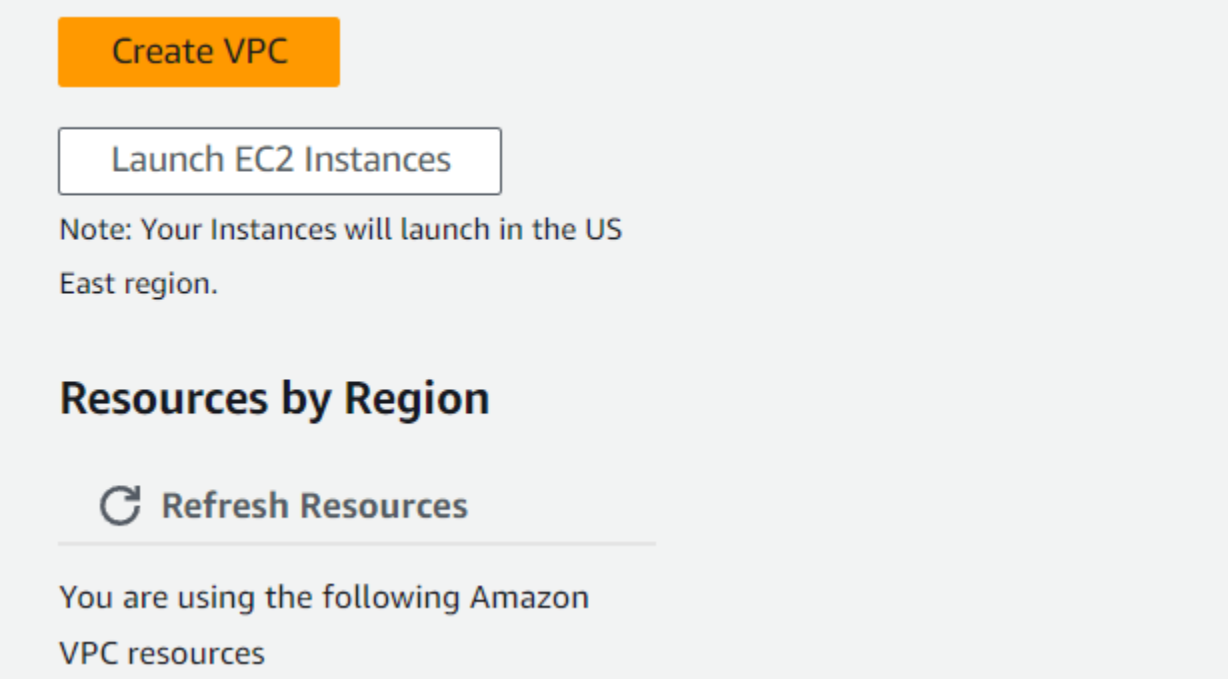
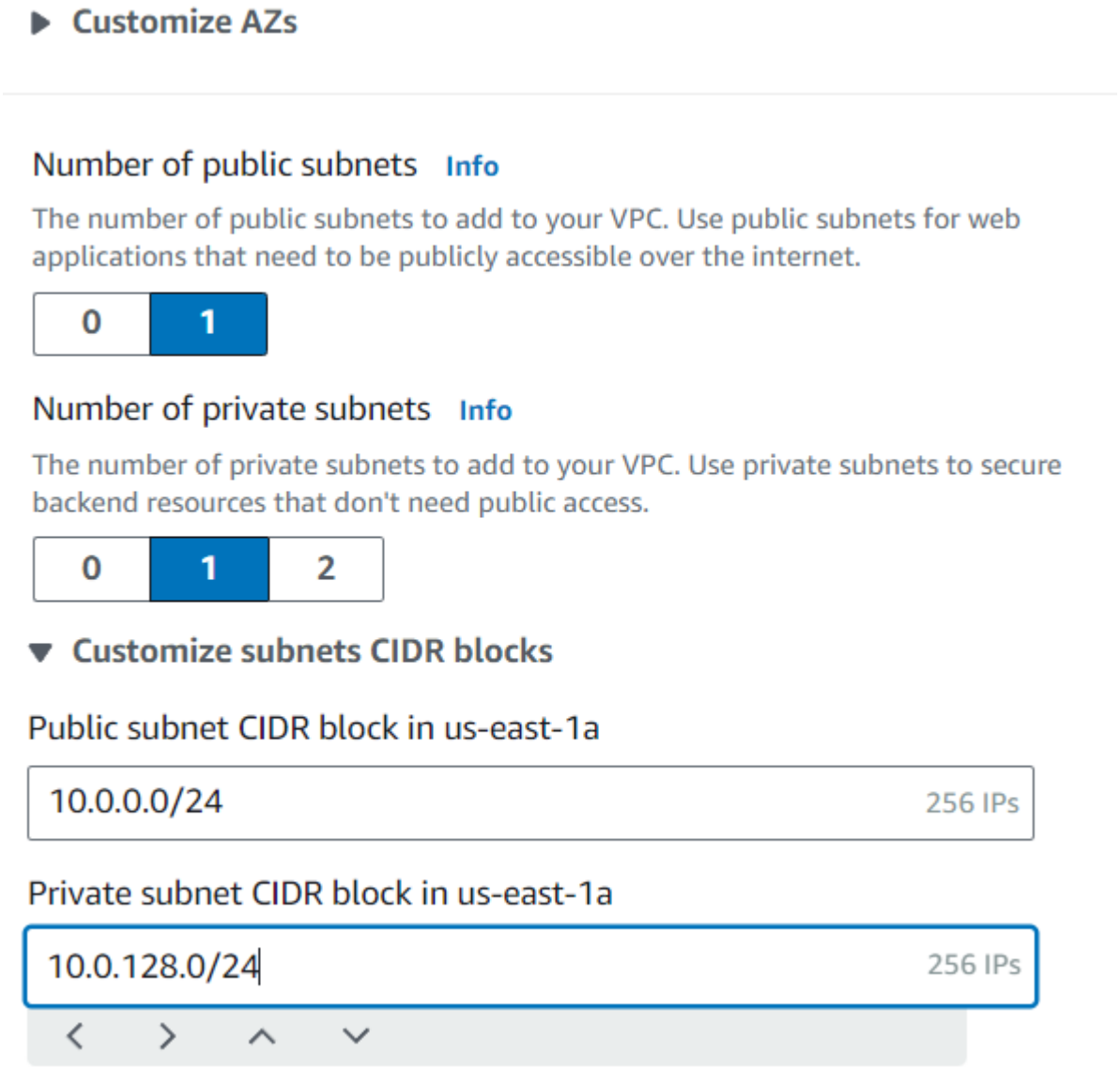
VPC Configuration Lab

- **Objective**: To understand the fundamentals of AWS networking through the configuration of a Virtual Private Cloud (VPC).
- **Approach**: Students will create a new VPC, add subnets, set up an Internet Gateway, and configure route tables. The lab might also include setting up a simple EC2 instance within this VPC to demonstrate how resources are deployed in a custom network environment.
- **Goal**: By the end of this lab, students should be able to create and configure a VPC, understand subnetting, and the role of route tables and internet gateways in AWS.

1. Firstly, you have to create a VPC.

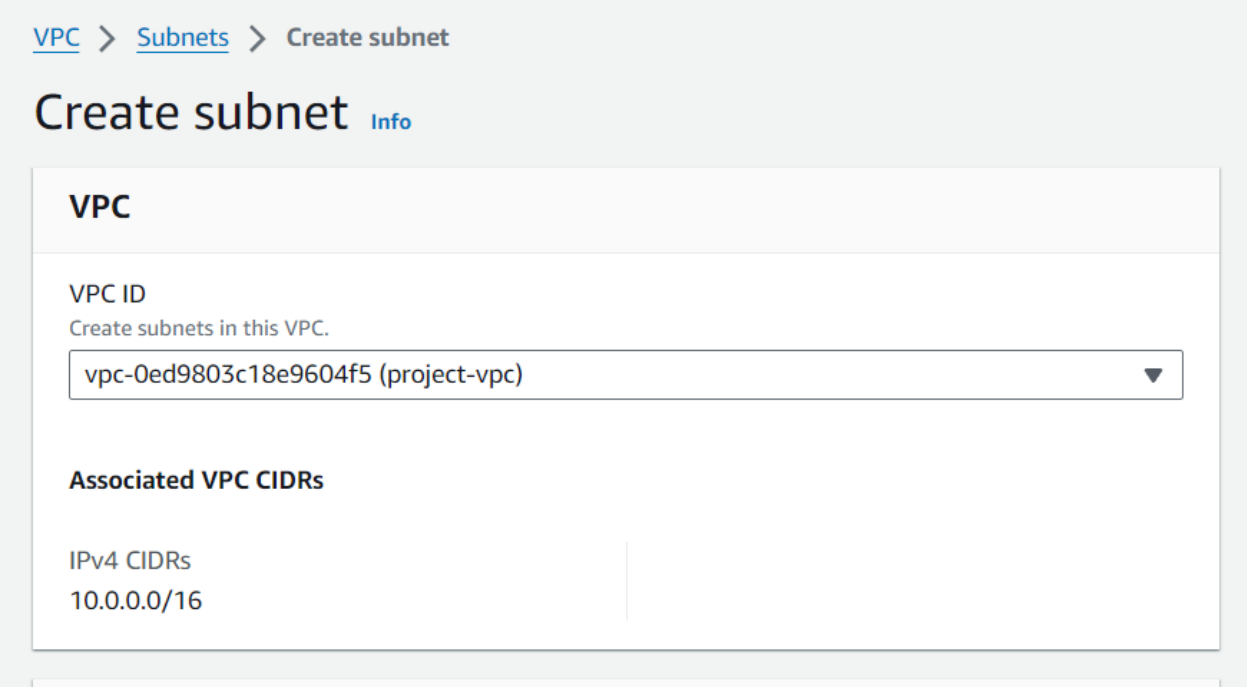


2. We can use the following settings.

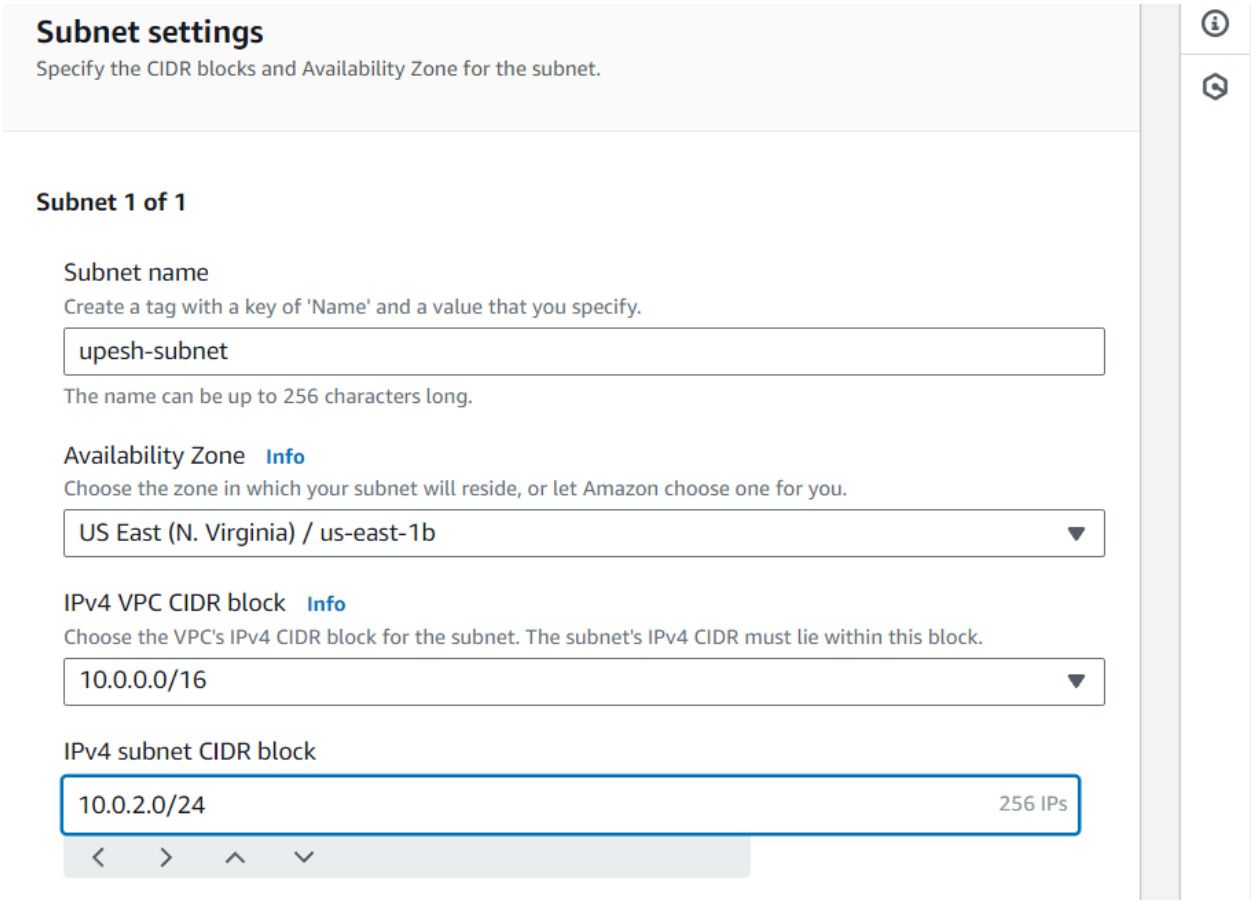


3. Vpc creation takes some time. So we have to wait for a while.

4. After the creation of VPC, Now we can create a new subnet by selecting from the left side on control panel of VPC

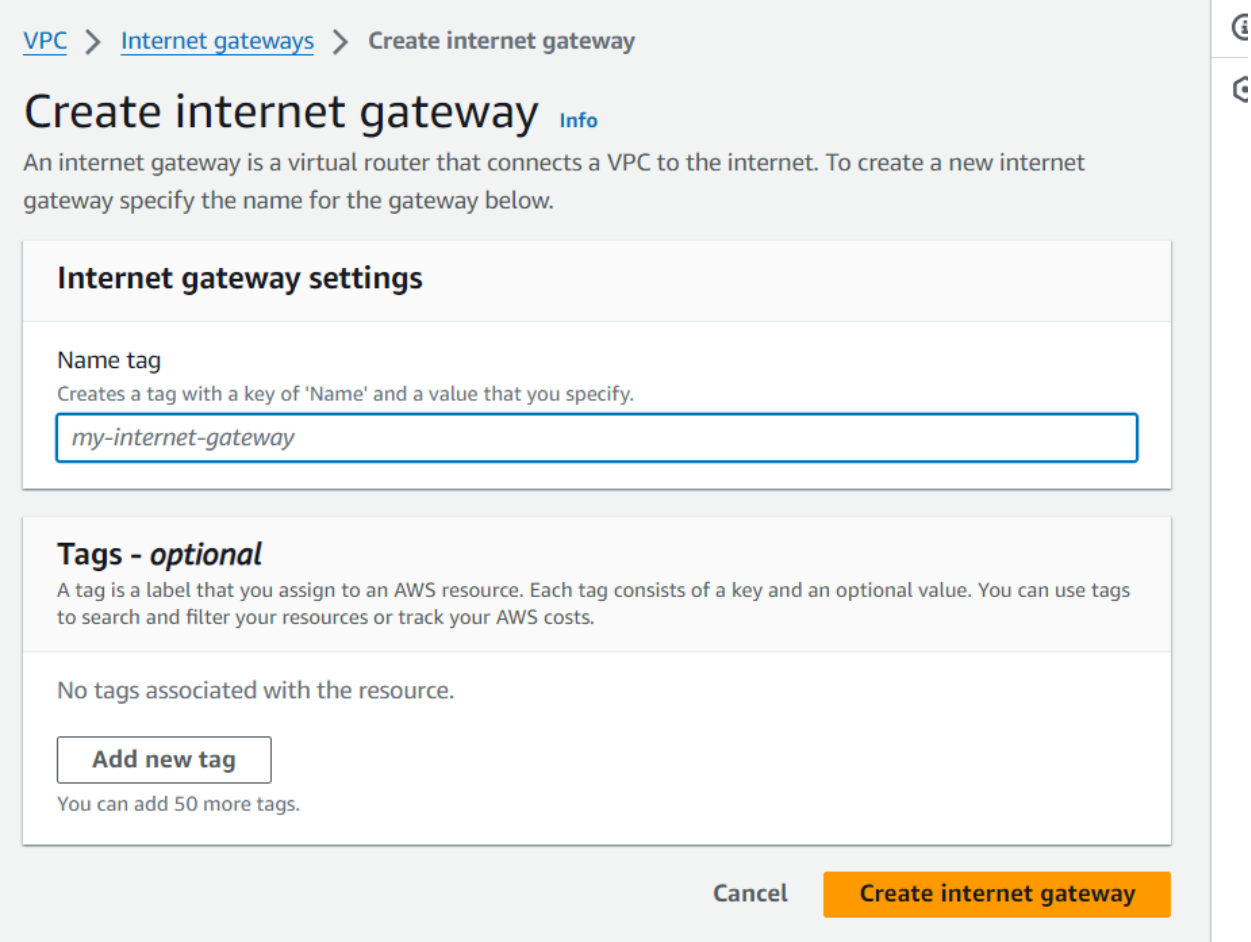


5.Follow these simple steps

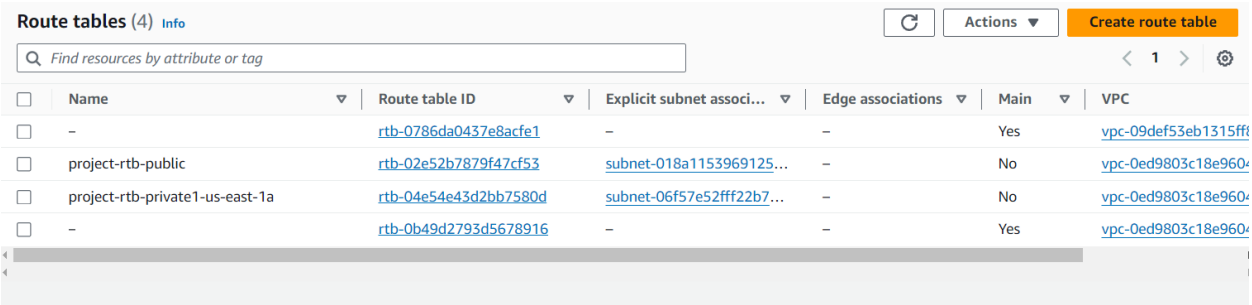


6.Now subnets will be created like this

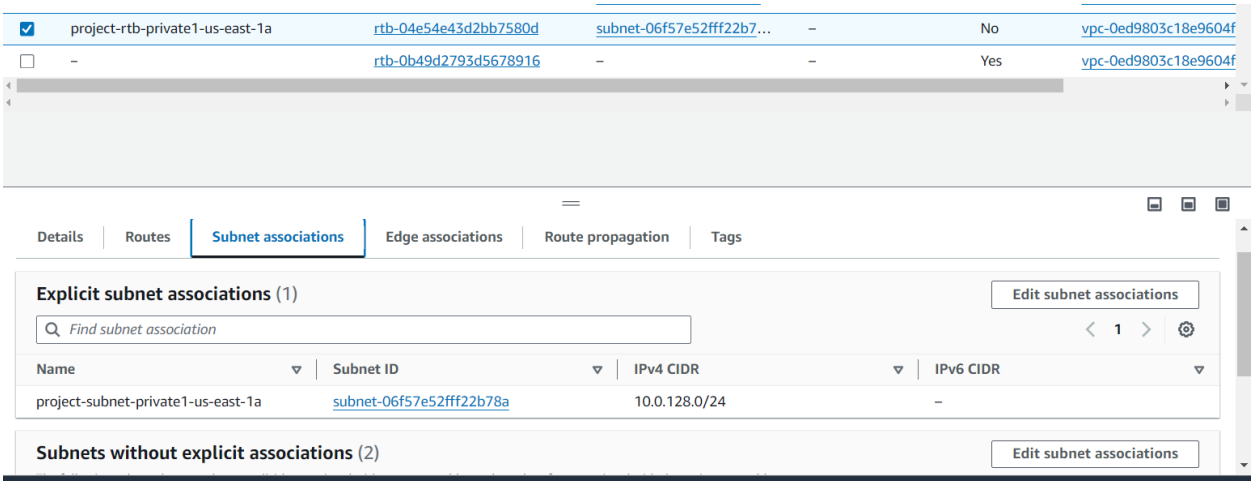
7.Then create internet gateway by selecting from the left side

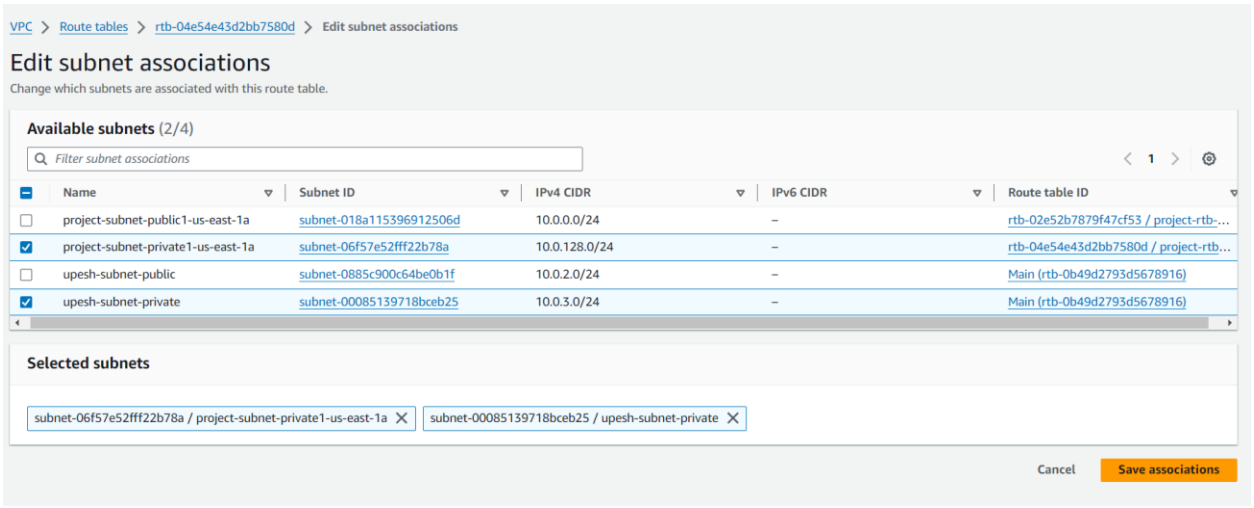


After creating a gateway we can go to route tables

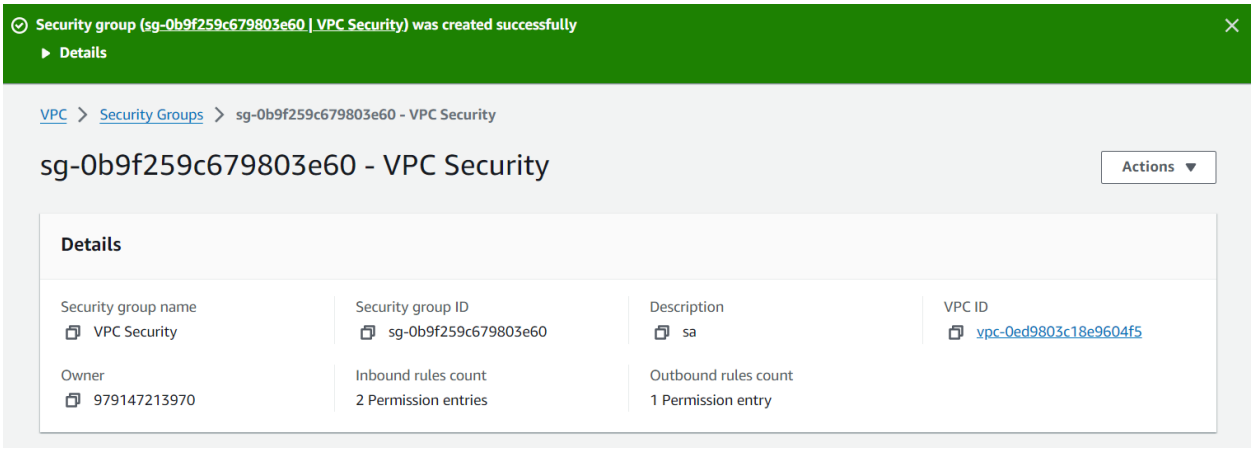


8.Now by selecting private we can choose the edit subnet option in lower control panel





9.Create necessary security groups



10. Lastly we have to create a new instance with all the settings we used to create a VPC and the subnets. And after the Ec2 instance is launched and working we will get a screen like this