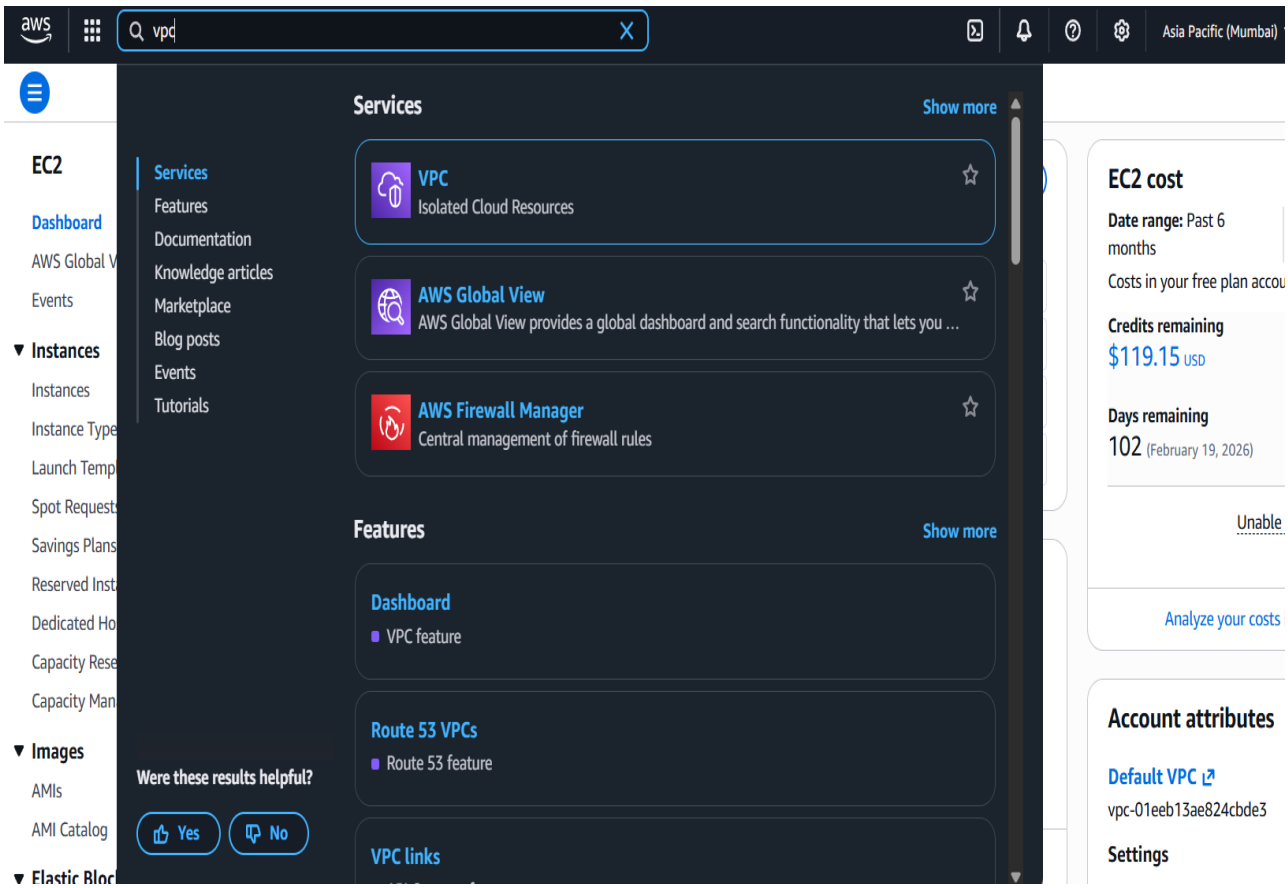
Description:

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.

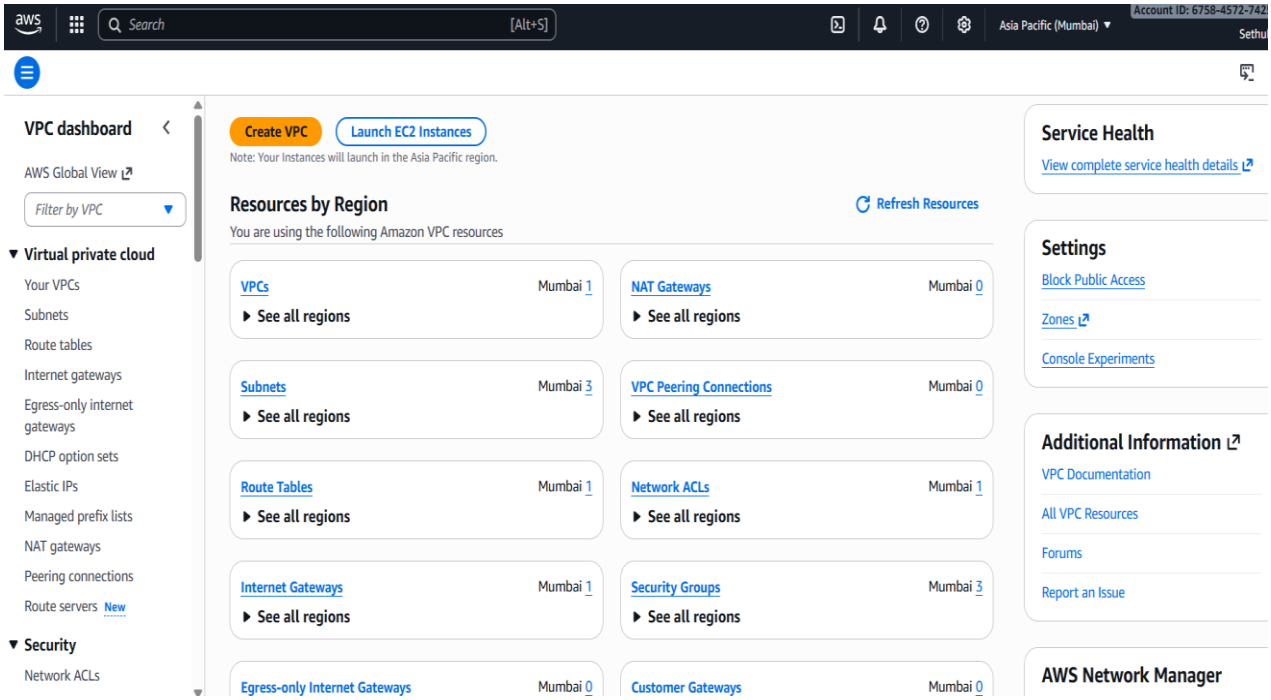
Techstacks needs to be used :

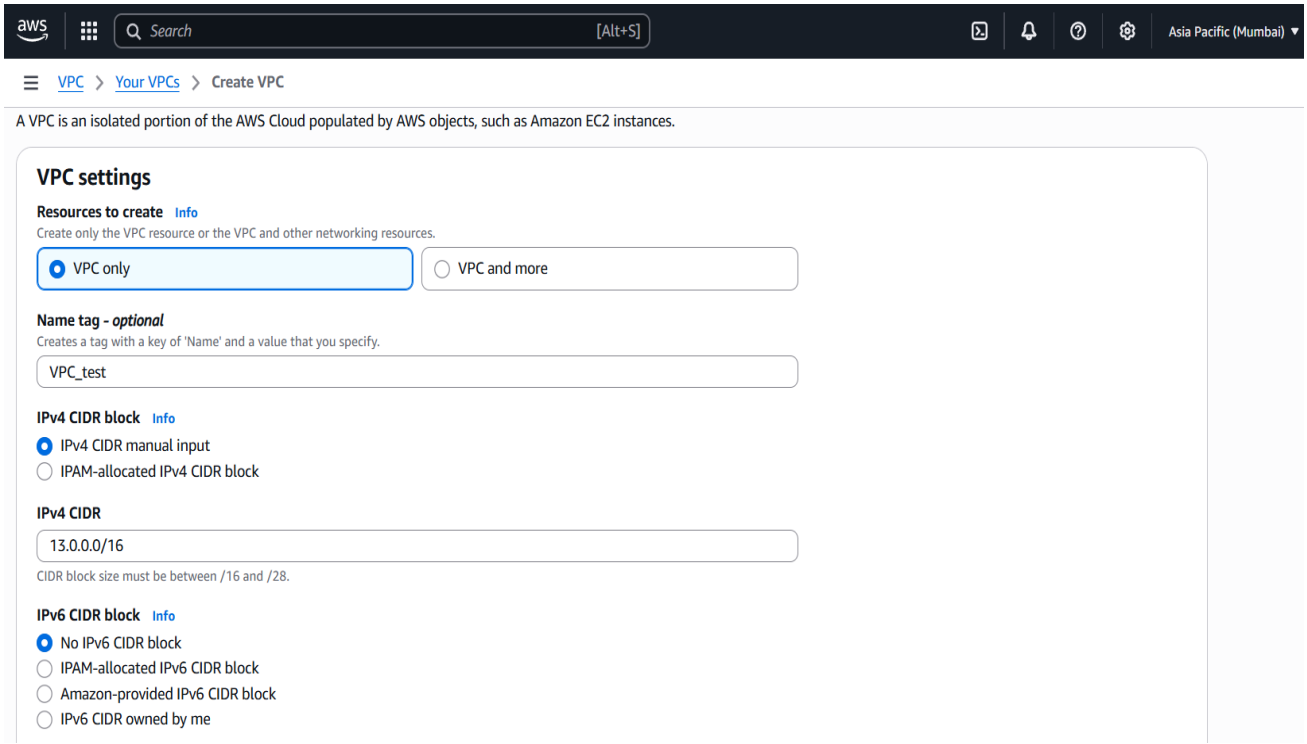
- AWS VPC
- AWS EC2

To Create a VPC

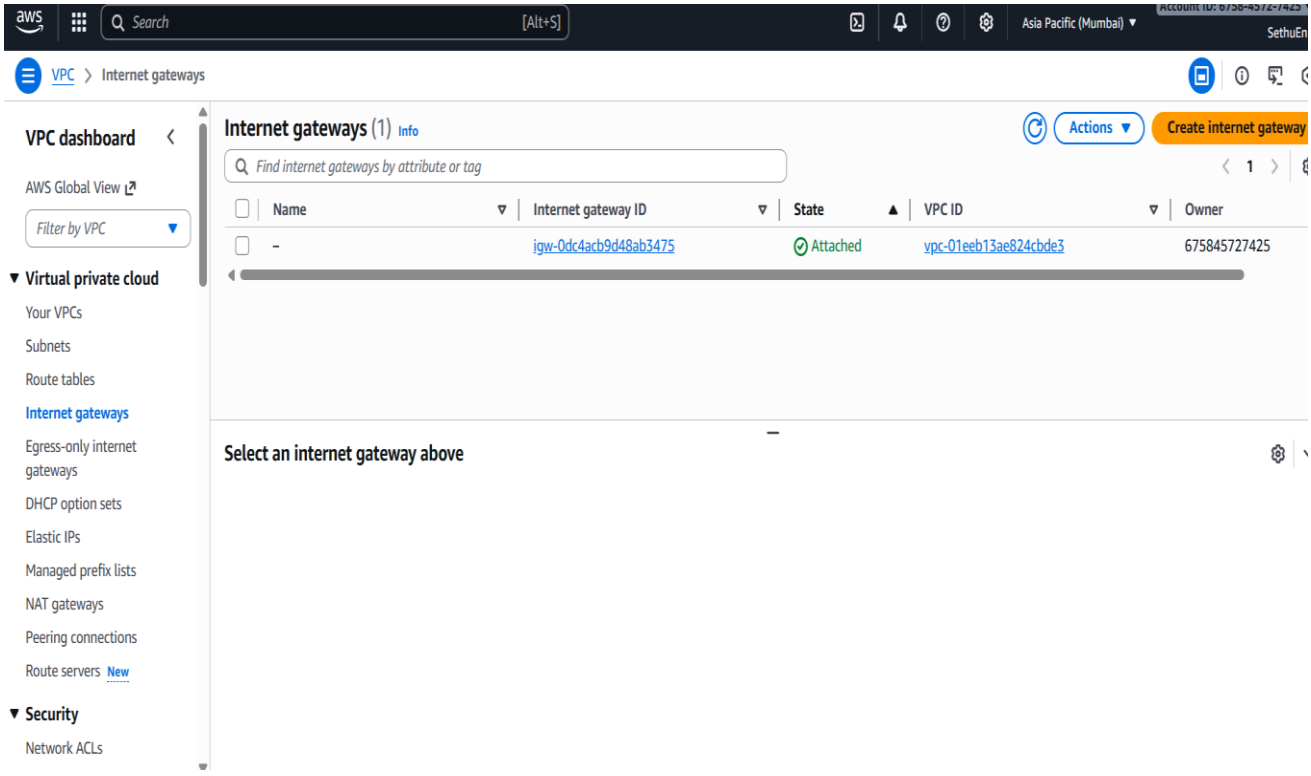


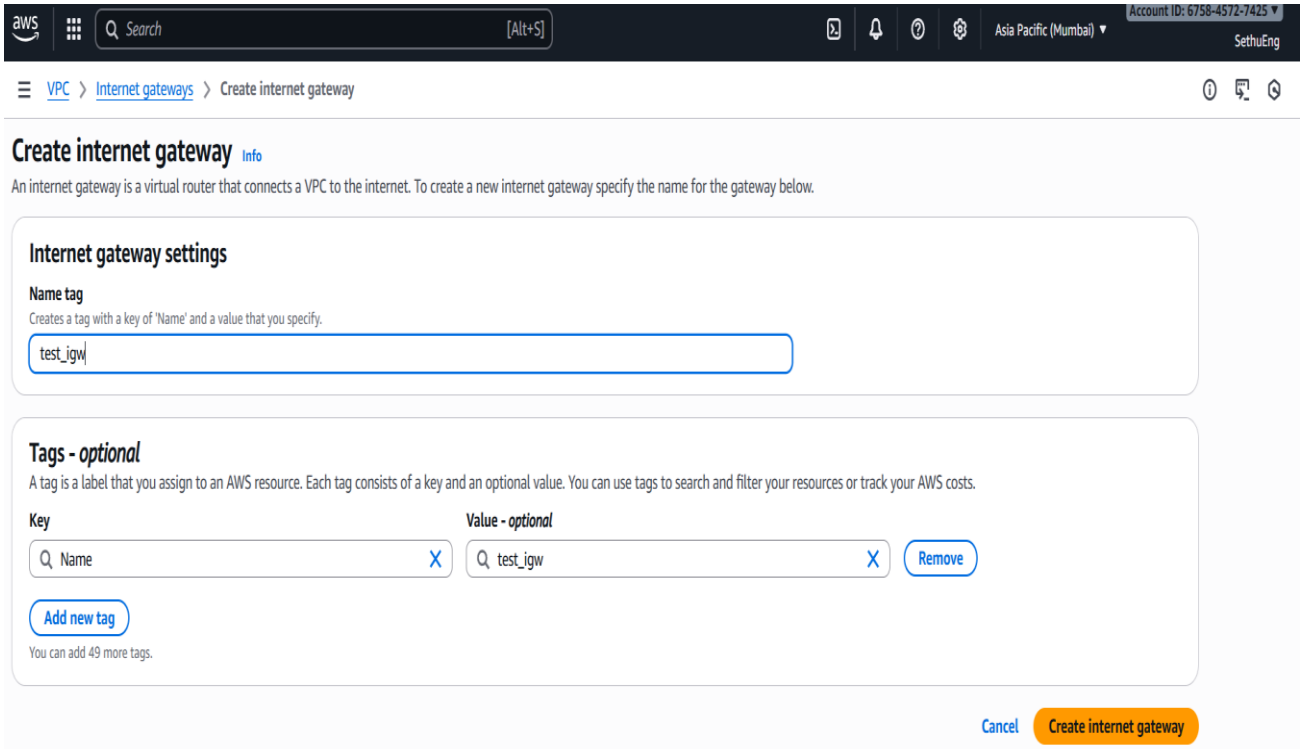
Click on **create VPC**





To create an Internet gateway

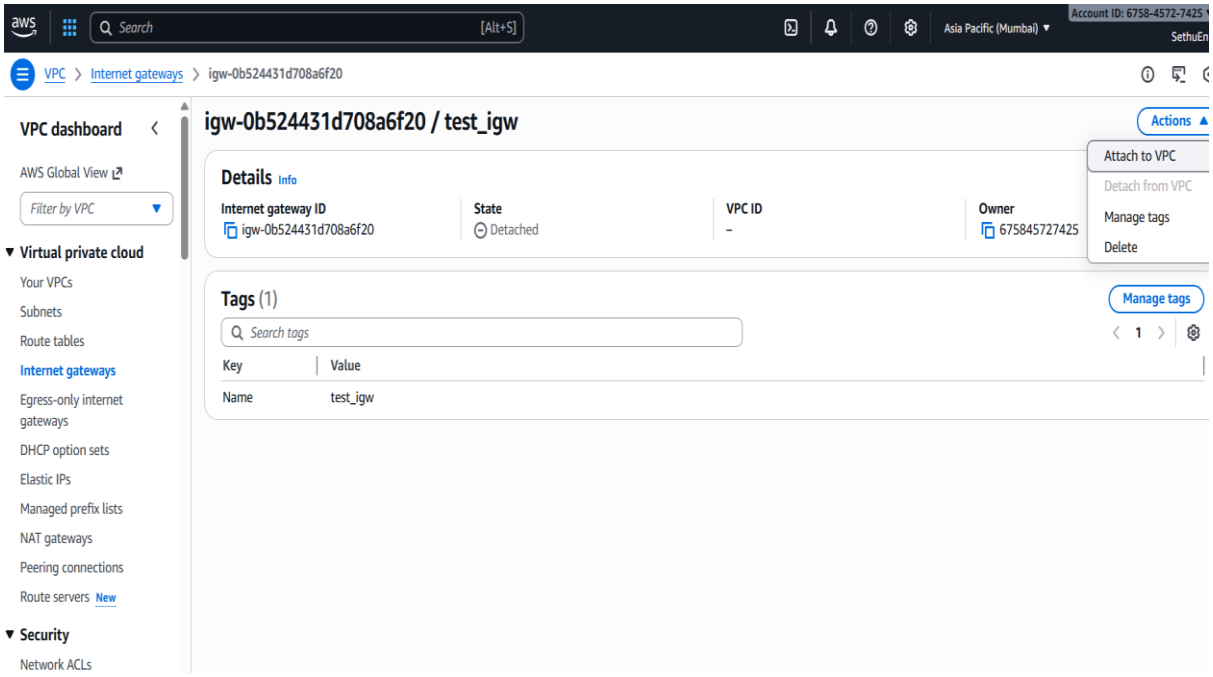


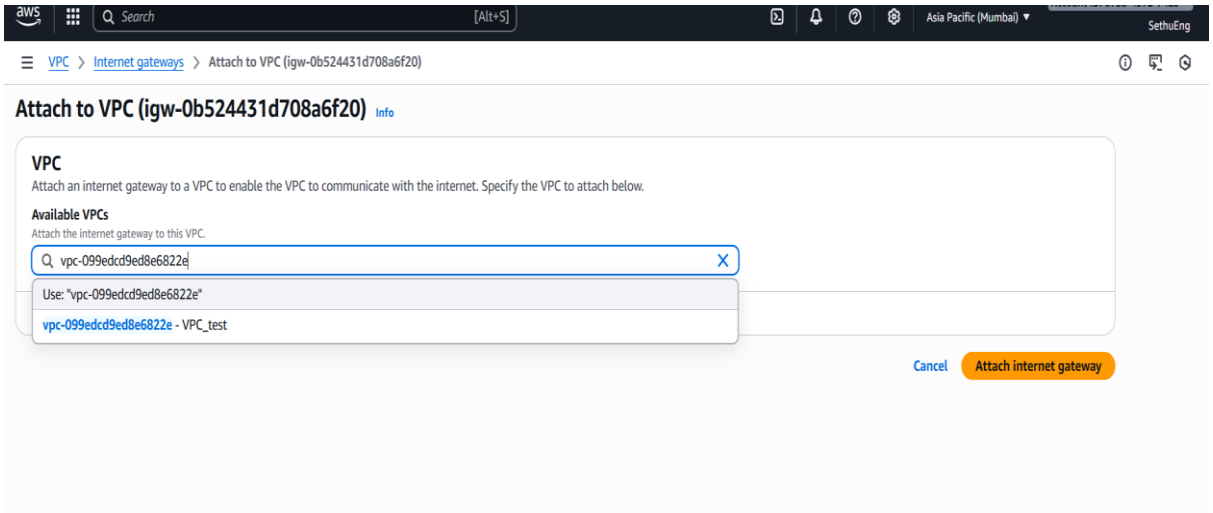


Click on **create internet gateway**

Attach Internet Gateway to VPC

Go to Internet Gateway → Click on **Attach to VPC**



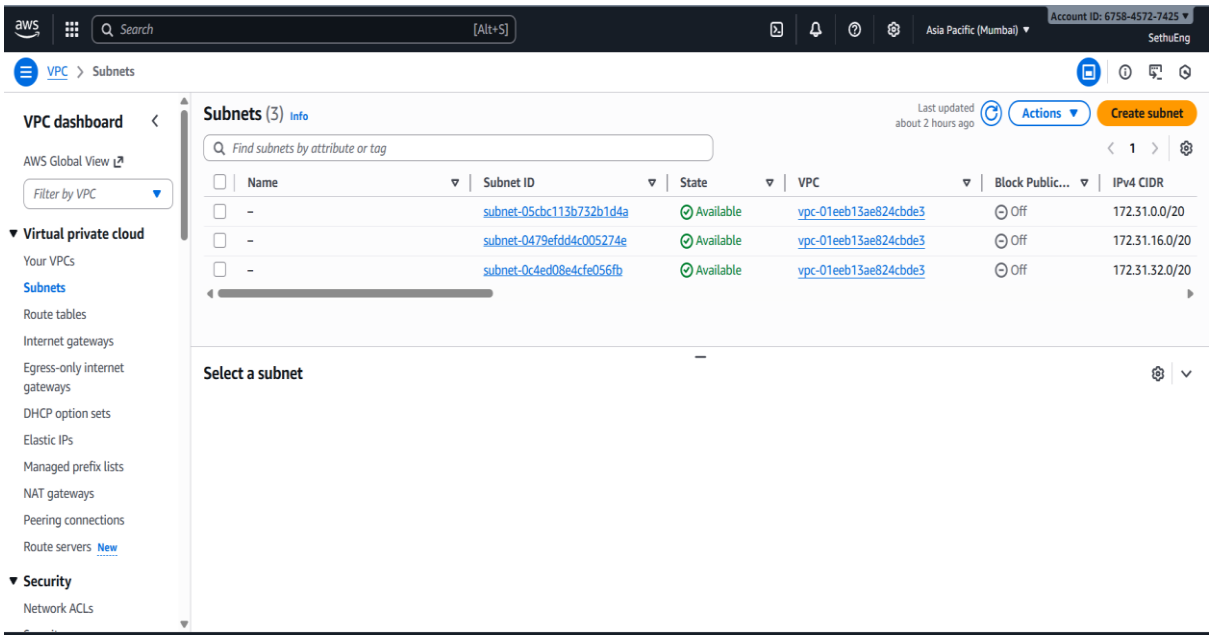


Click on **Attach Internet Gateway**

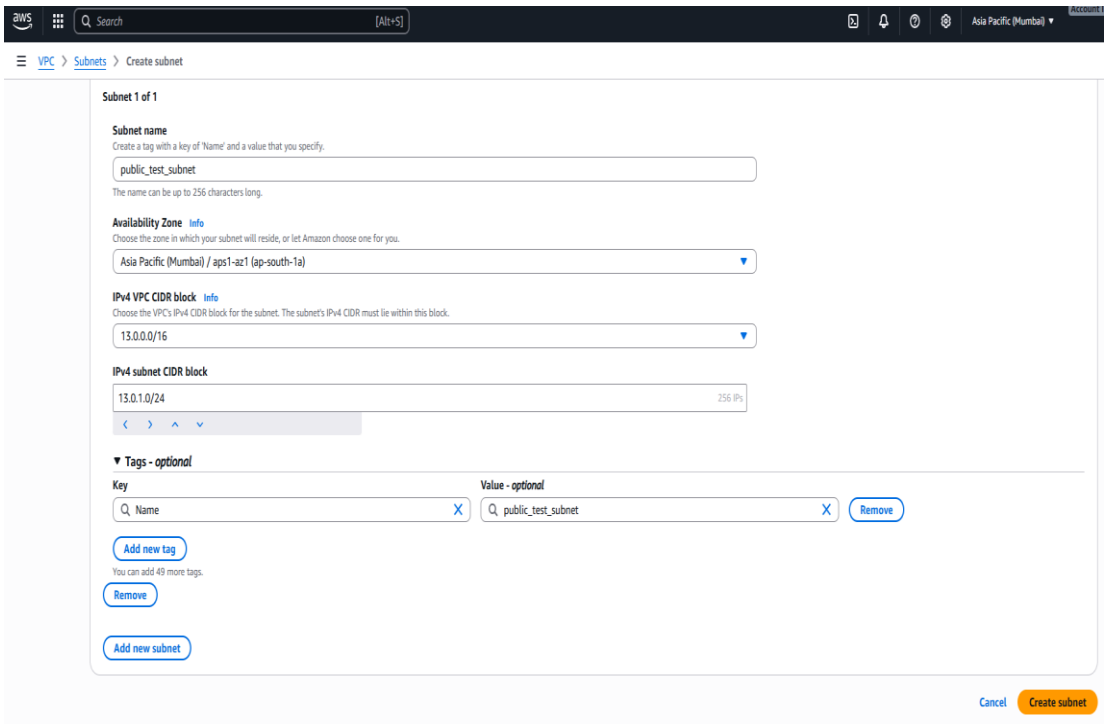
To Create Subnet

Go to subnets

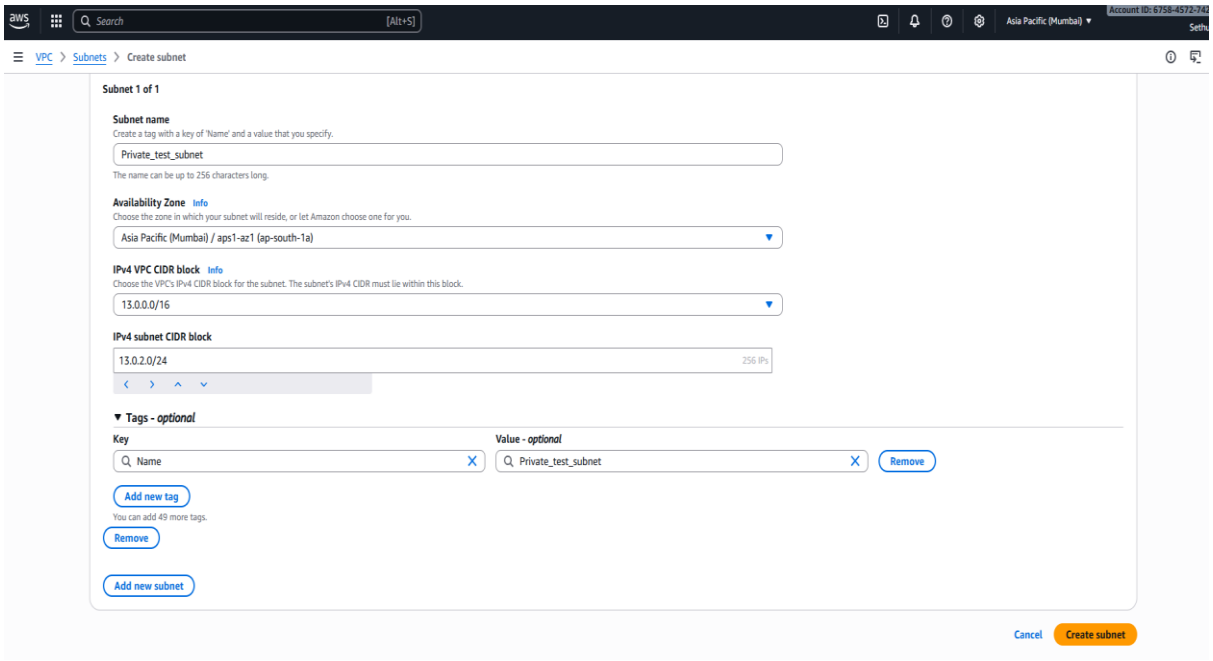
while creating subnets you can select a VPC



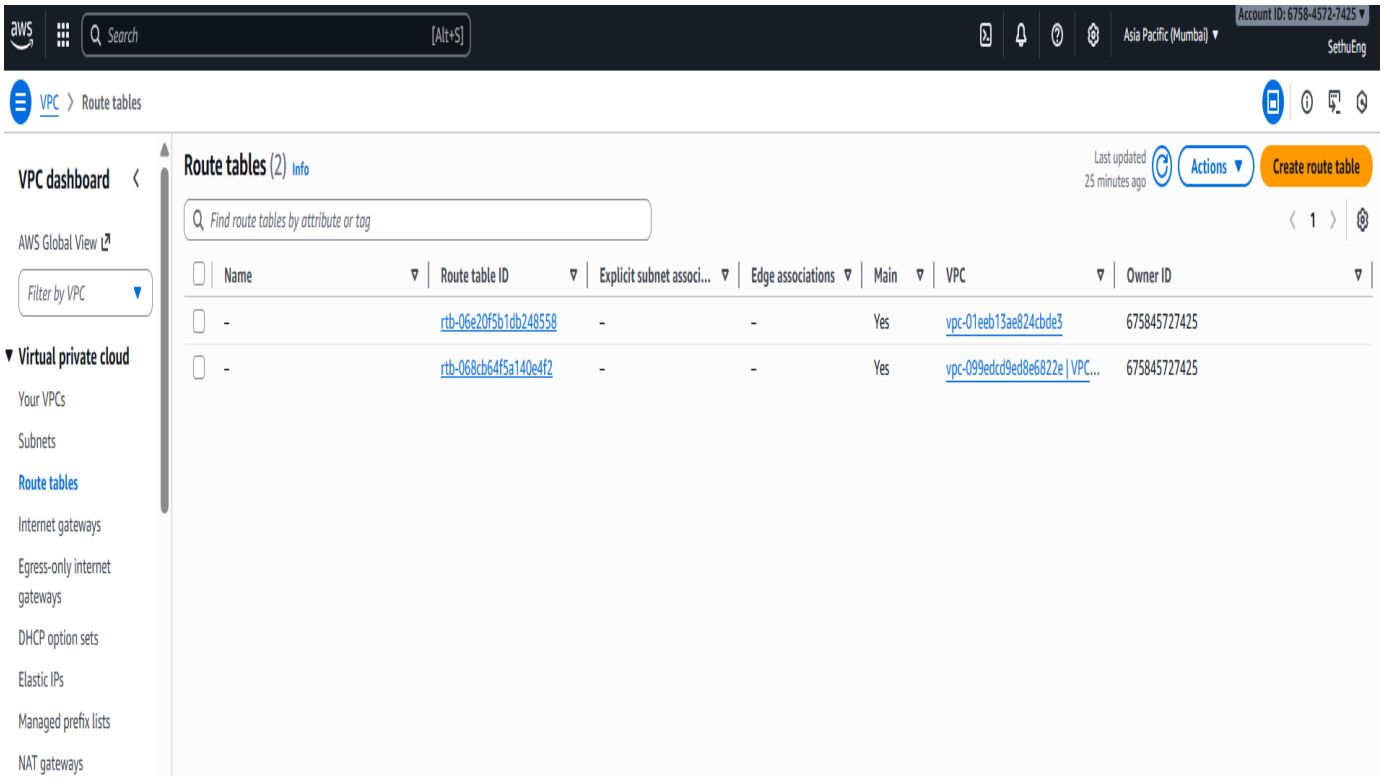
To create a public subnet



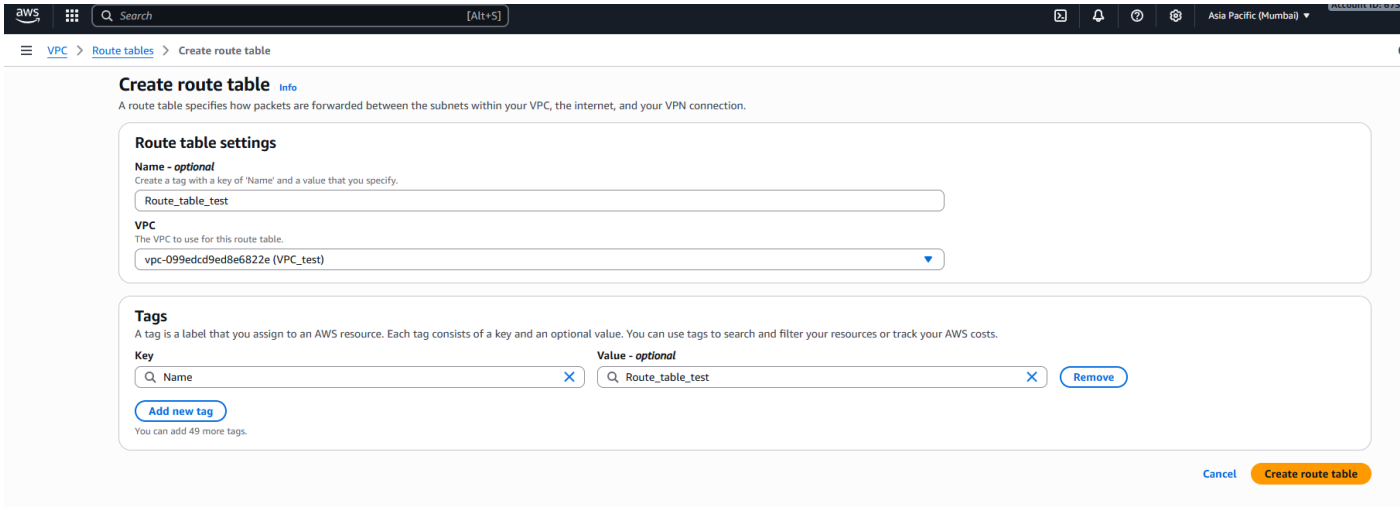
To create a Privat subnet



To create Route Tables

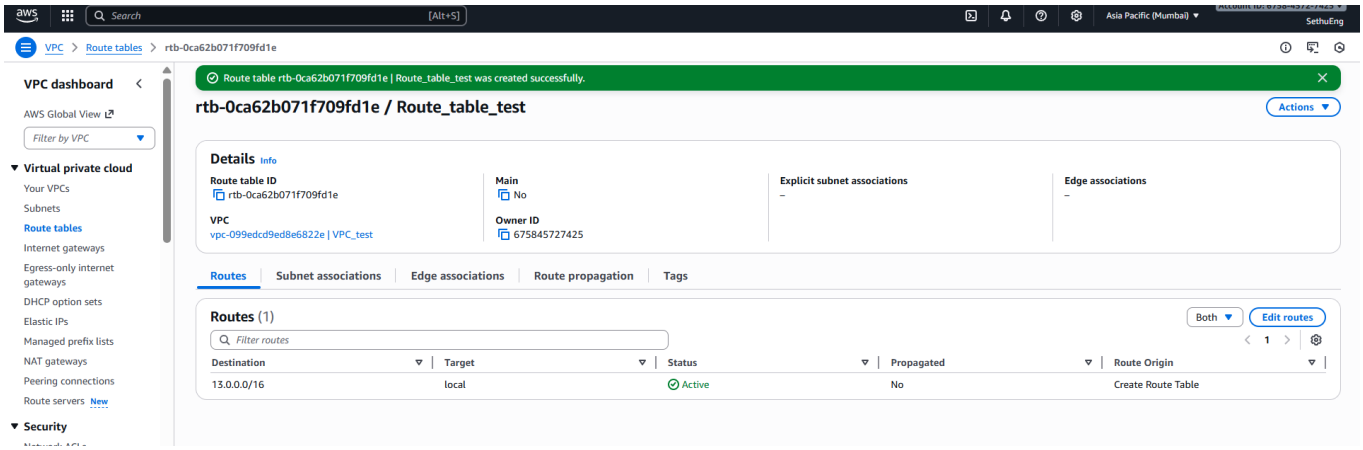


Click on create route tables



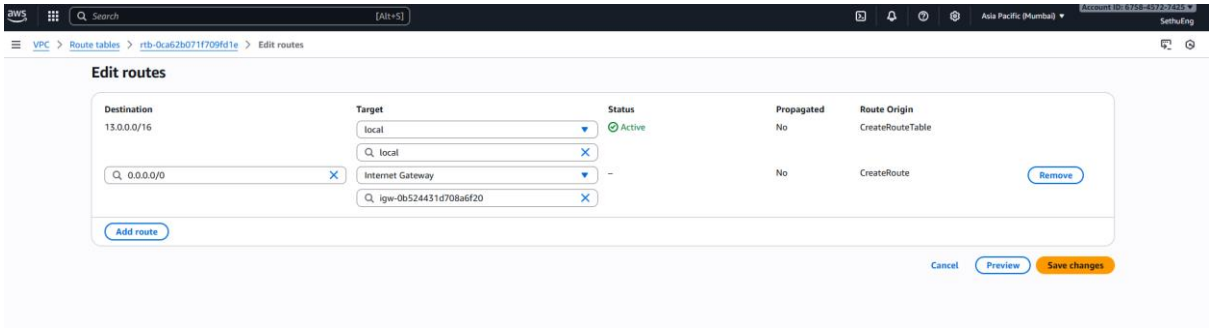
Route tables need to access internet access. Let give internet access

Click on edit routes



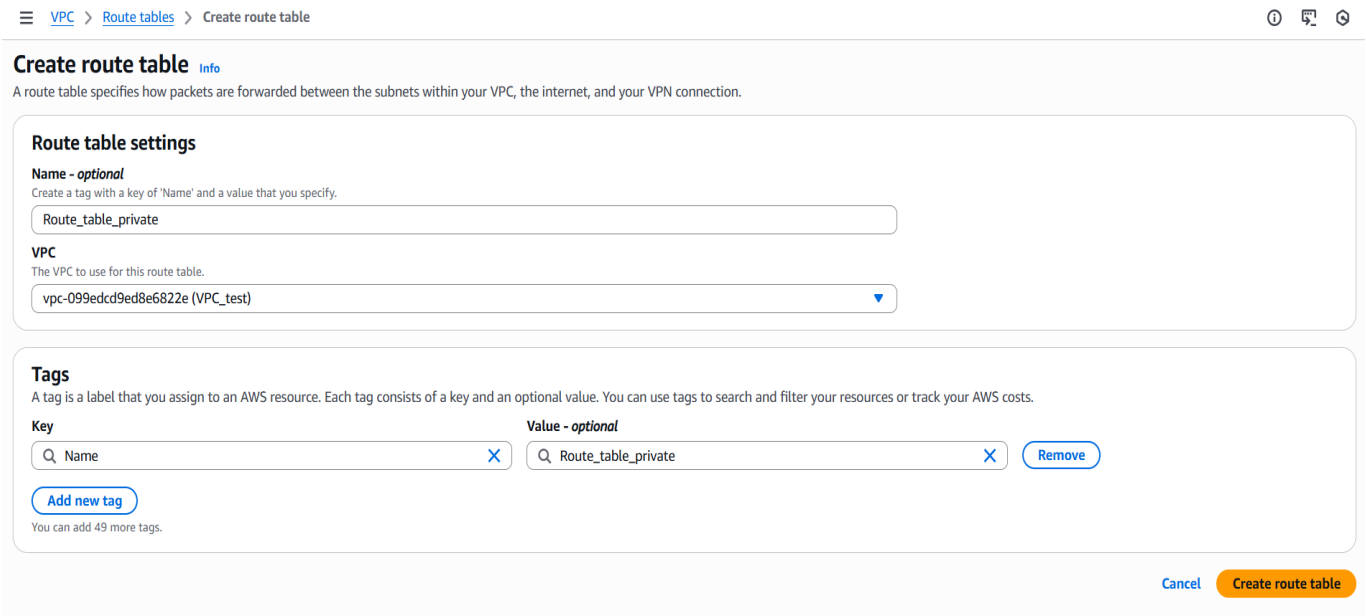
Choose internet gateway

Select the gateway in that list

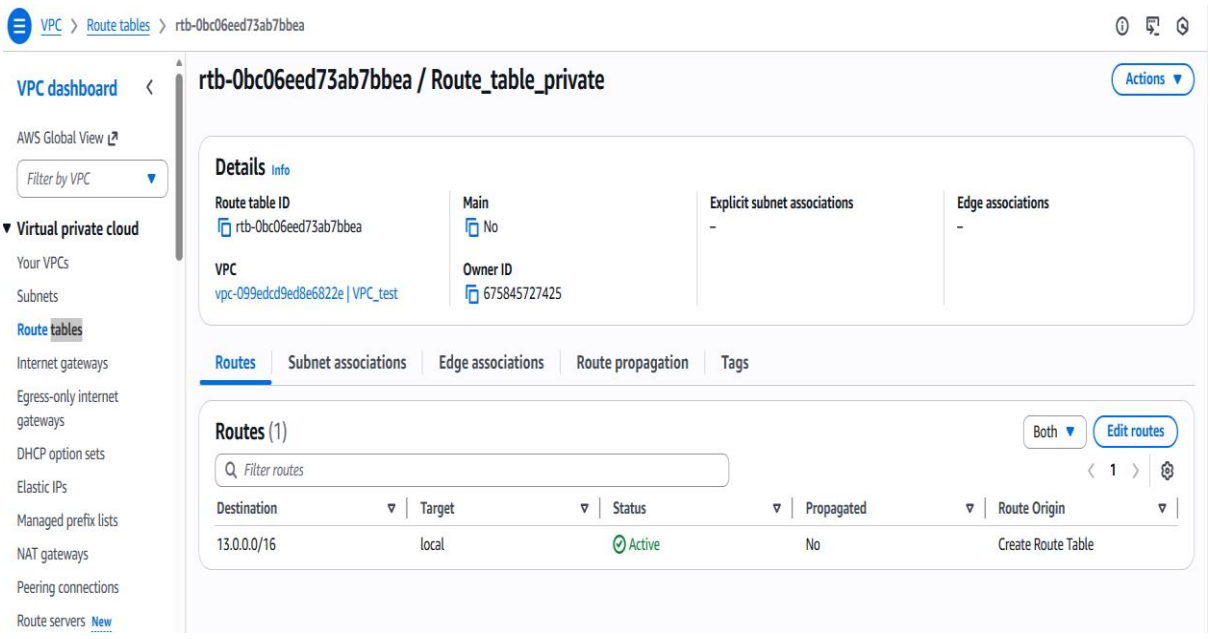


Click on Save changes

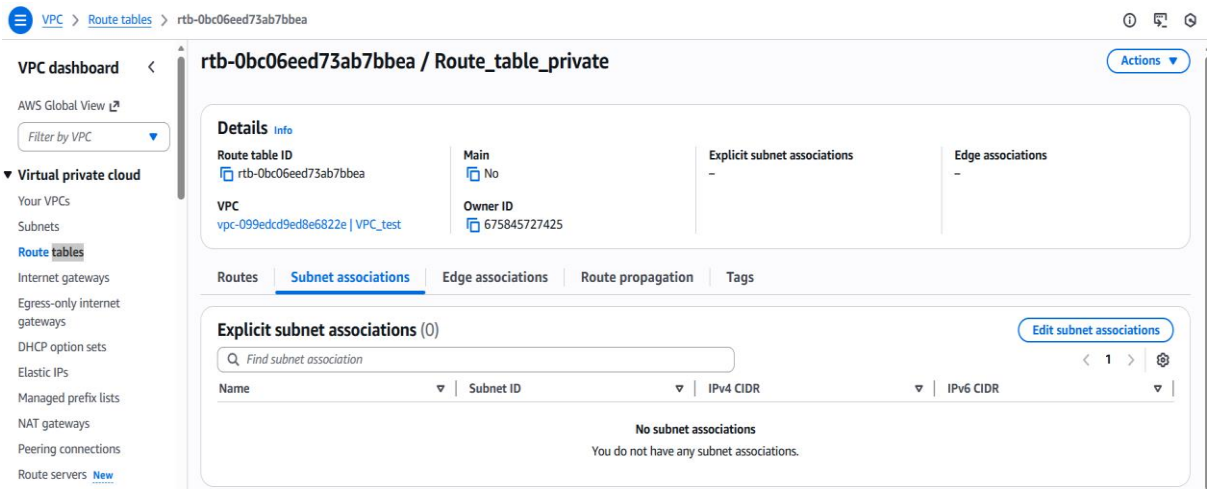
Lets Create Route Tables for Private subnets



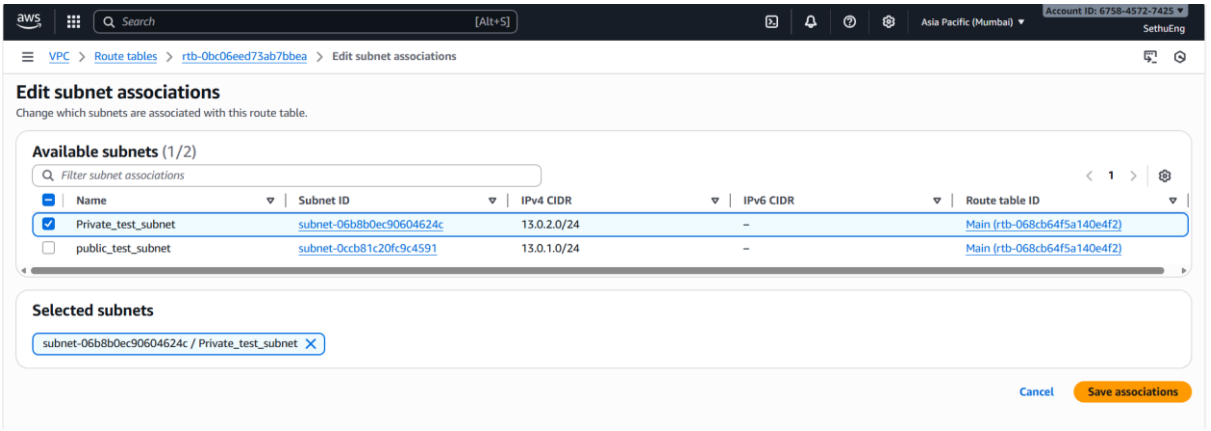
This is a private subnet, it doesn't need any internet access

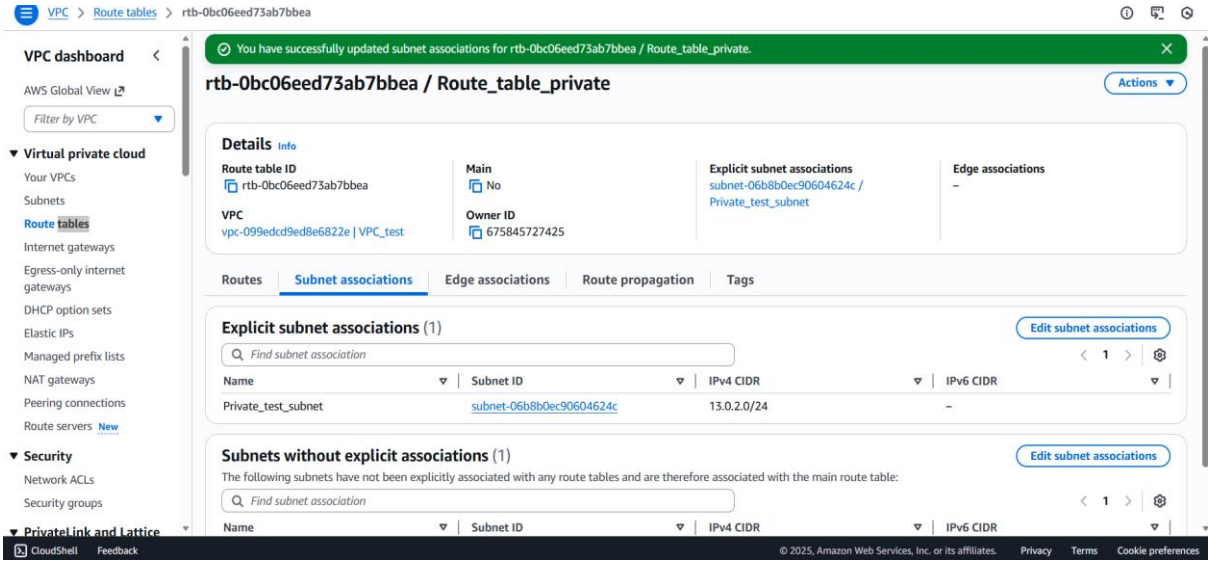


Click on Subnet associations

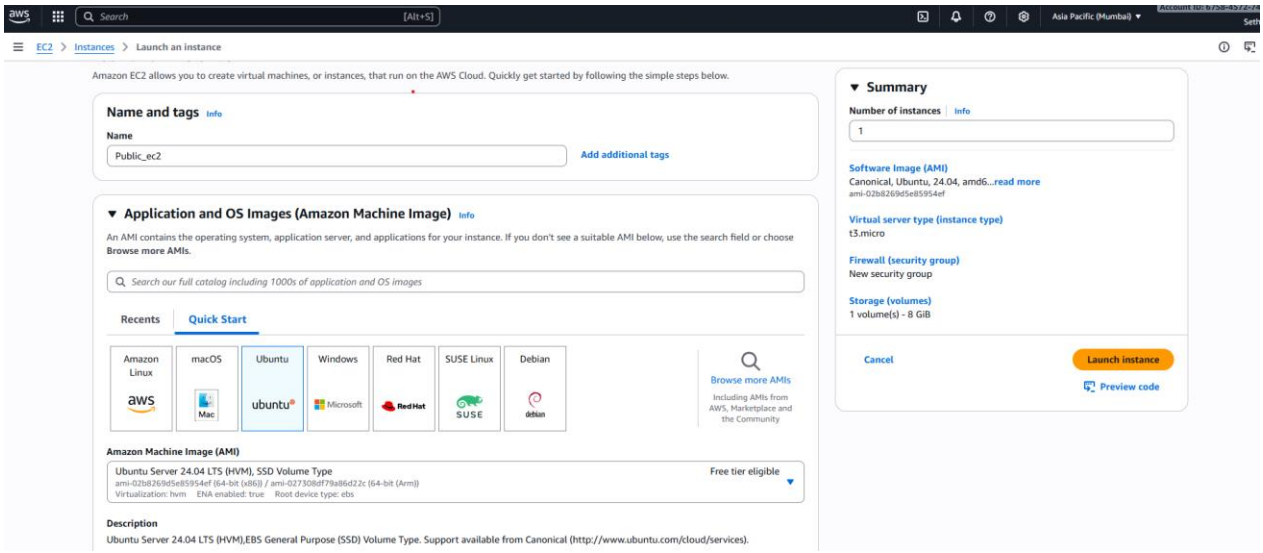


Select Private subnet and click on Save association

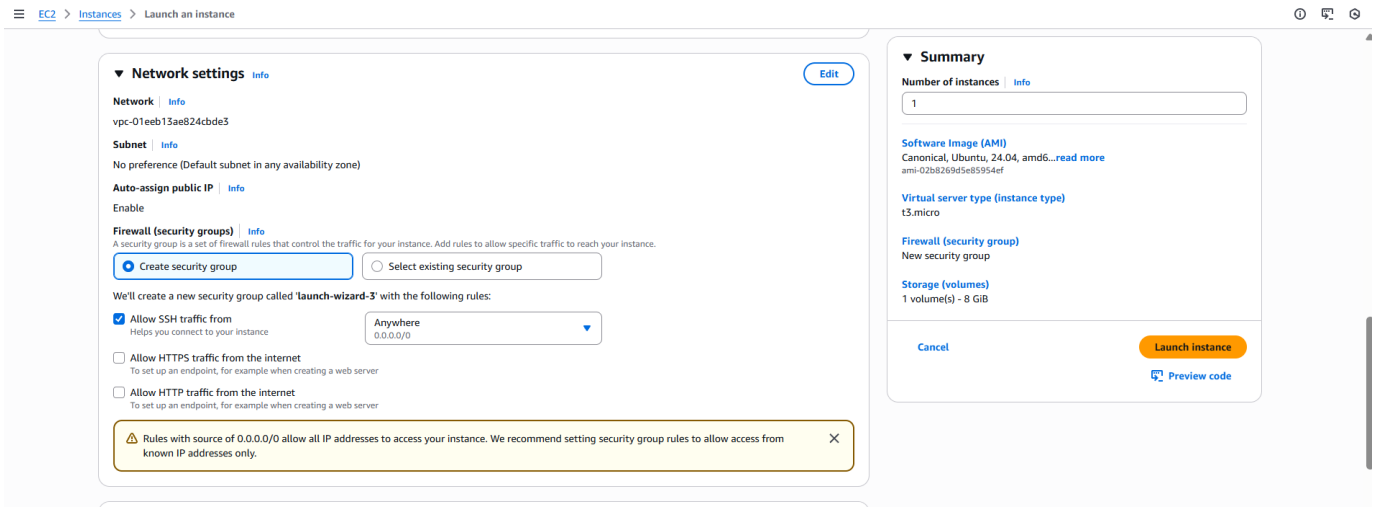




Create Ec2 instance on public subnet



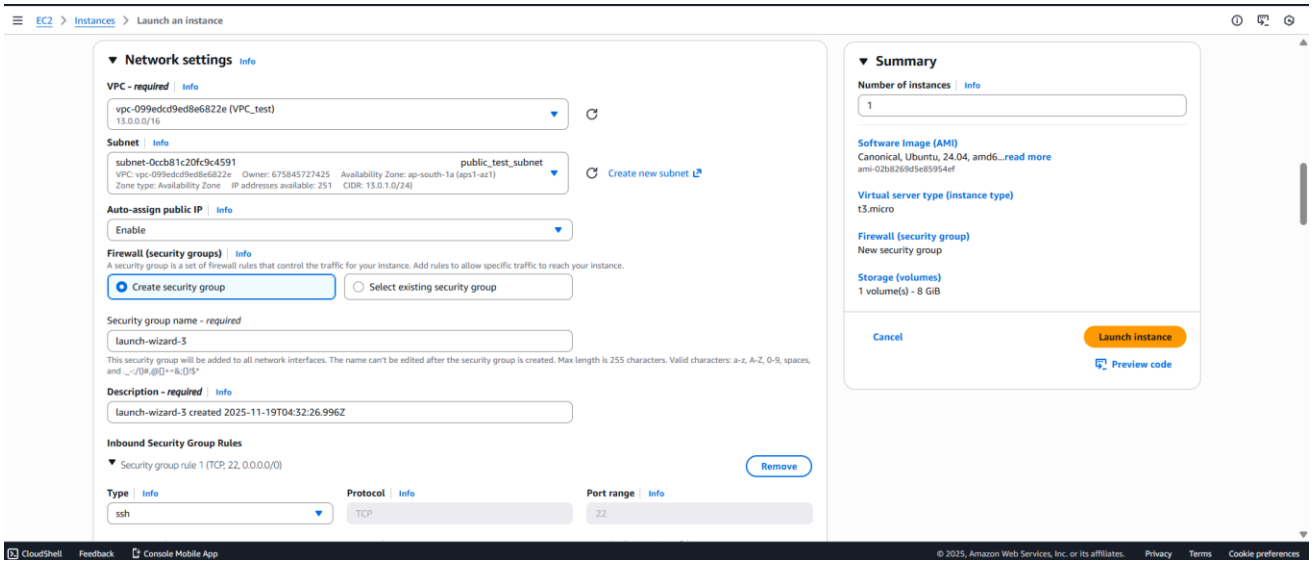
Click on edit network settings



Choose our custom settings

Select VPC, Subnet then enable Auto-assign public IP

Select the security groups



Click on launch instance