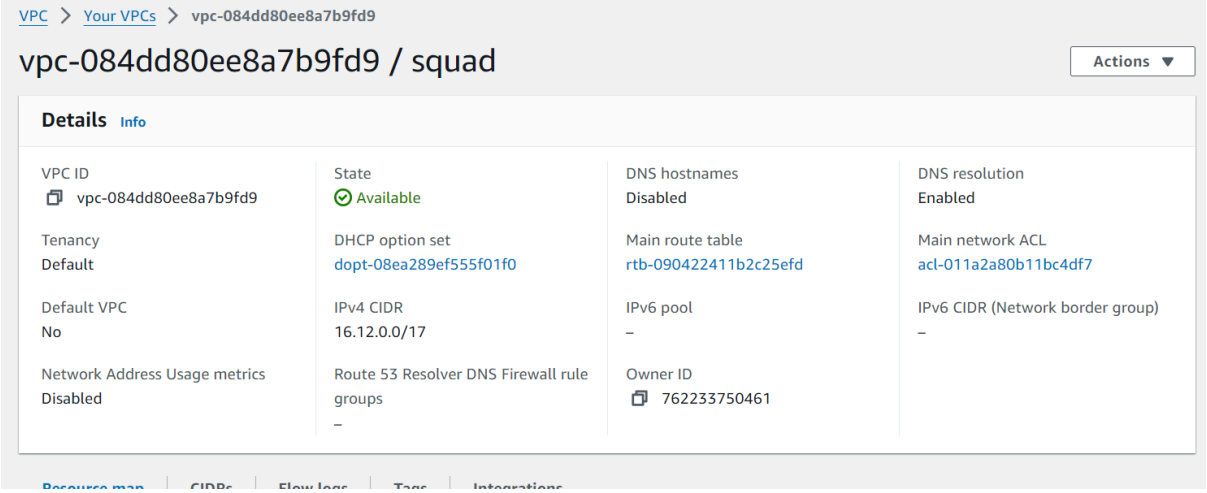
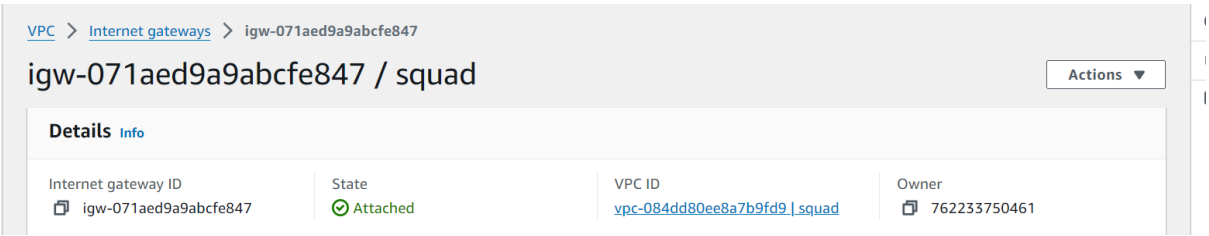
Set up a VPC with an Internet gateway, create a public subnet with 256 IP addresses, a private subnet with 256 IP addresses, make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above VPC and public subnet.

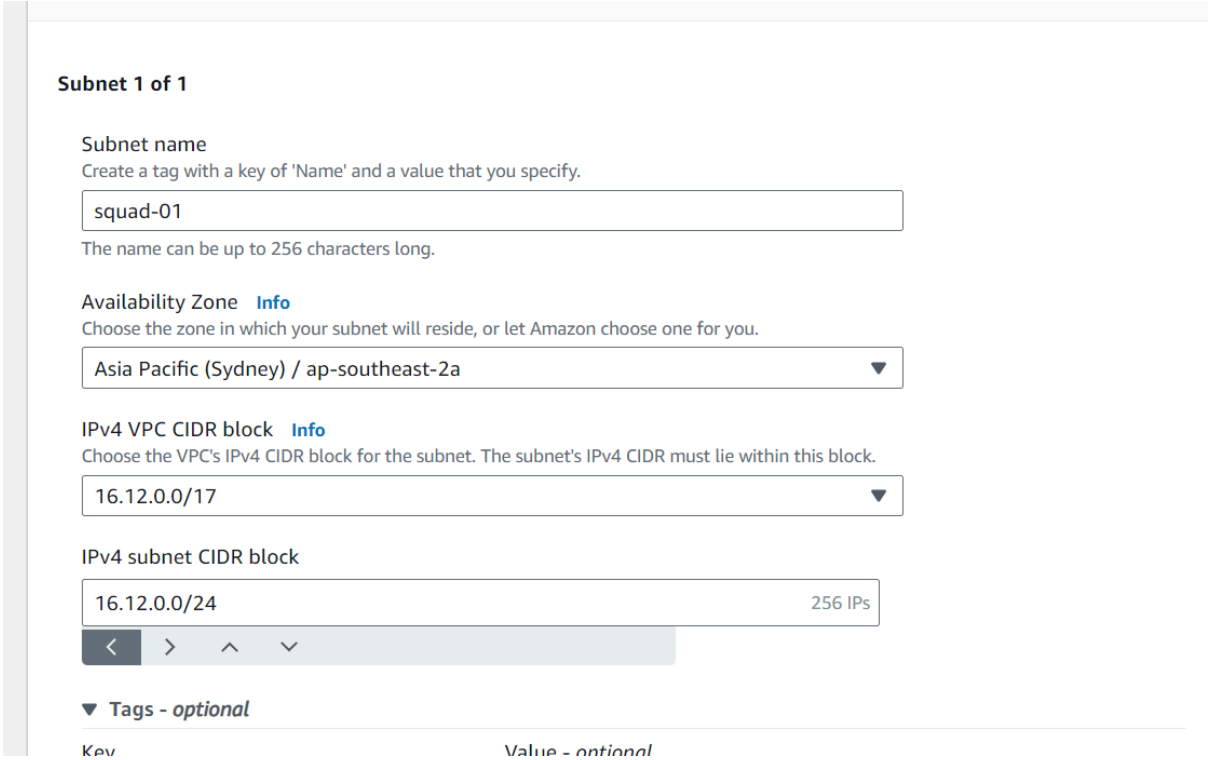
STEP 1 - Create a VPC and internet gateway and attach it to the VPC



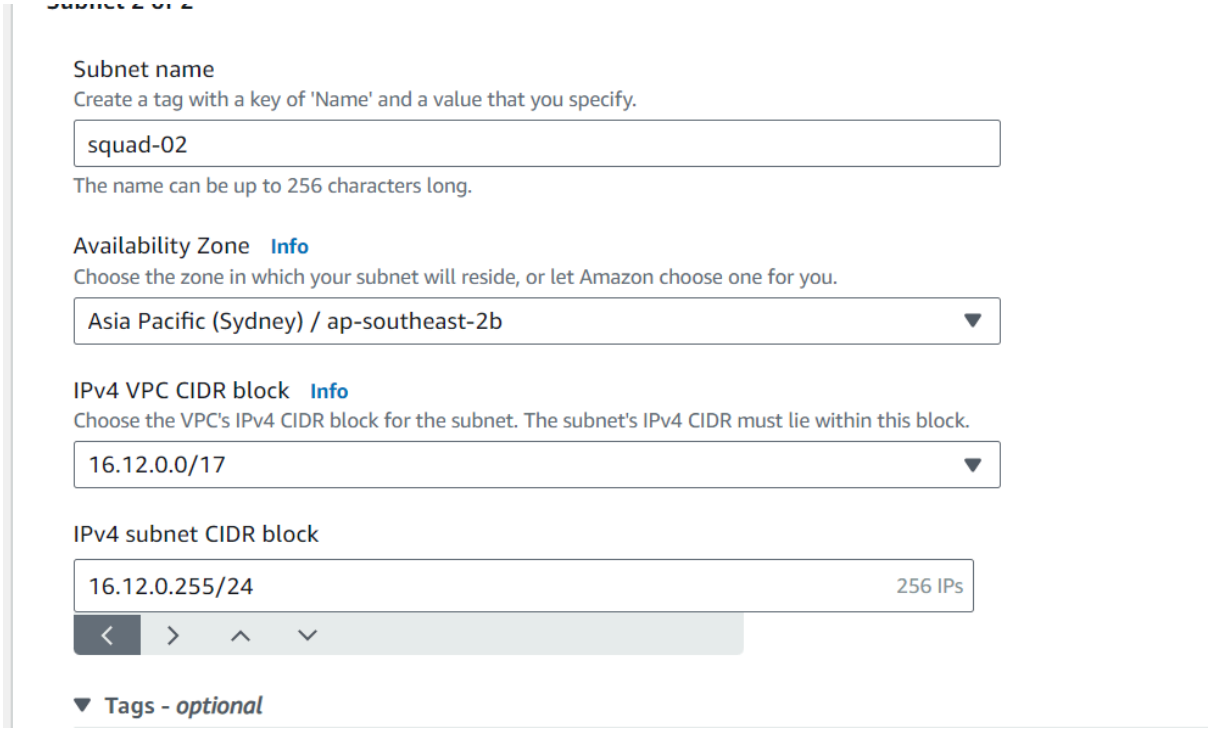


STEP 2 - Create a public subnet with 256 IP addresses

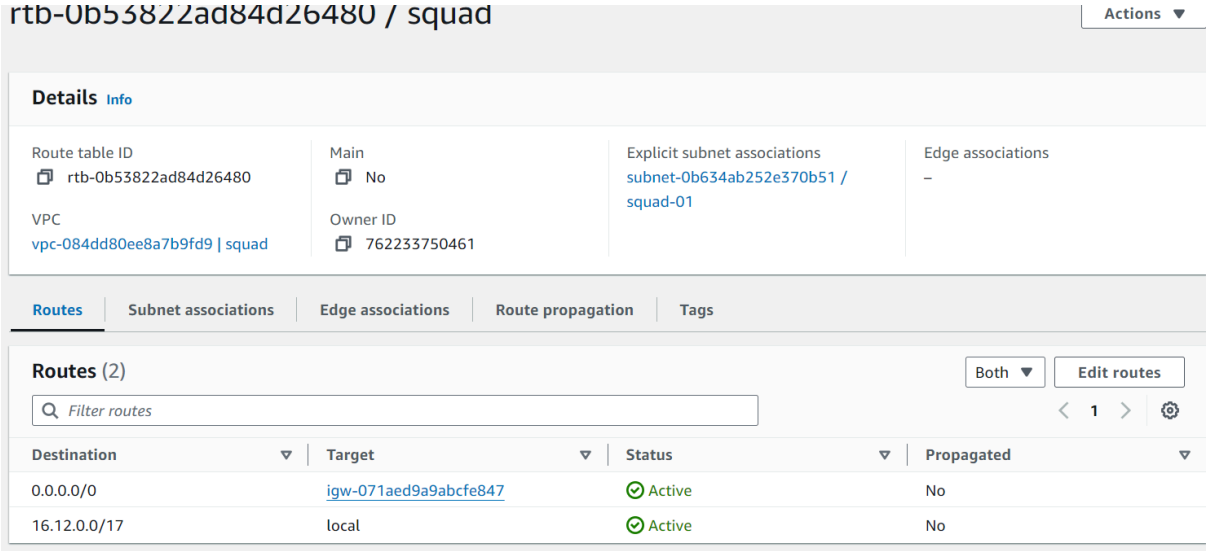
Squad-01 as public



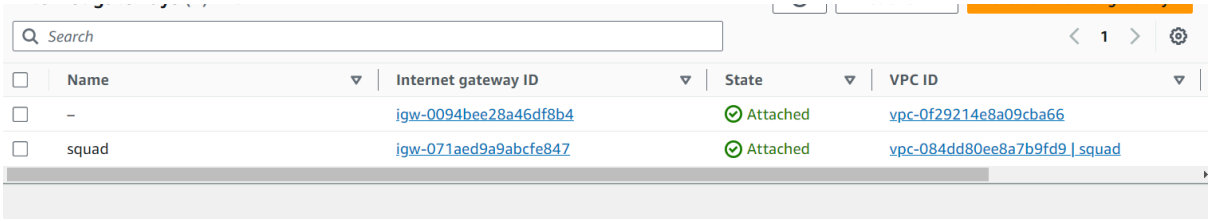
STEP 3 - Create private subnet with 256 IP addresses
Squad-02 as private



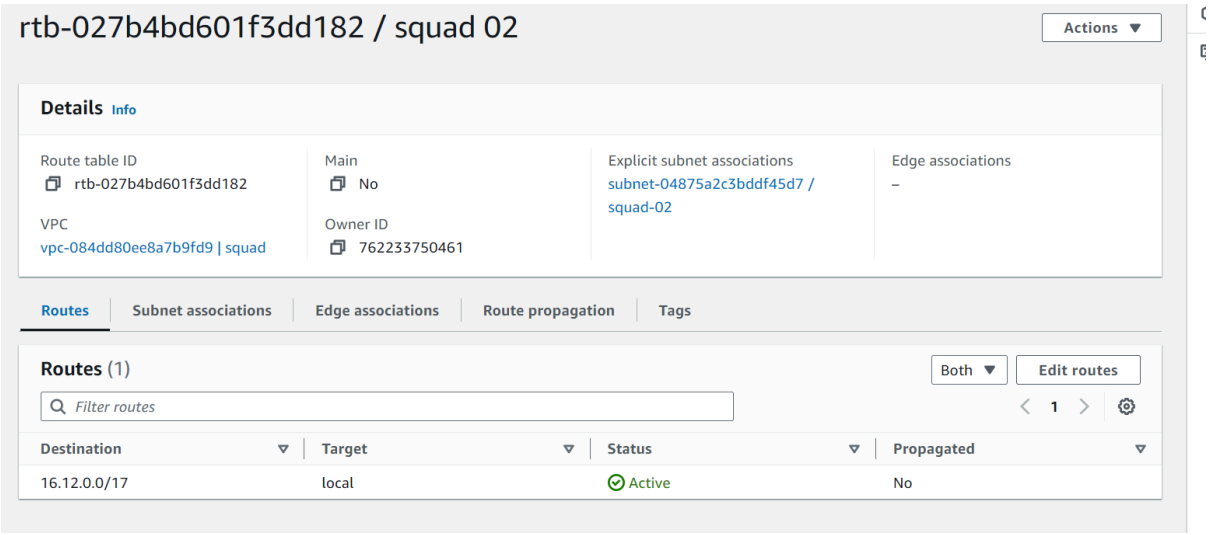
STEP 4 - Create a route table connecting the Internet gateway and the Subnets is public



Status connection of internet gate way

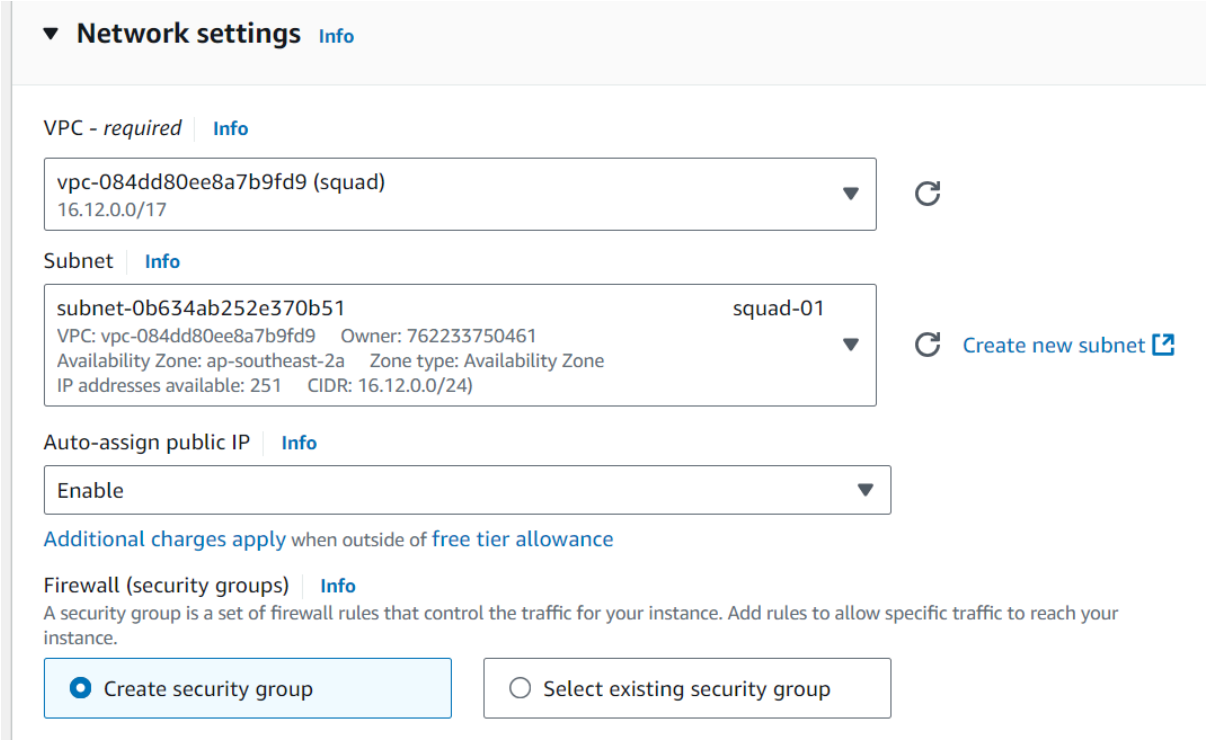


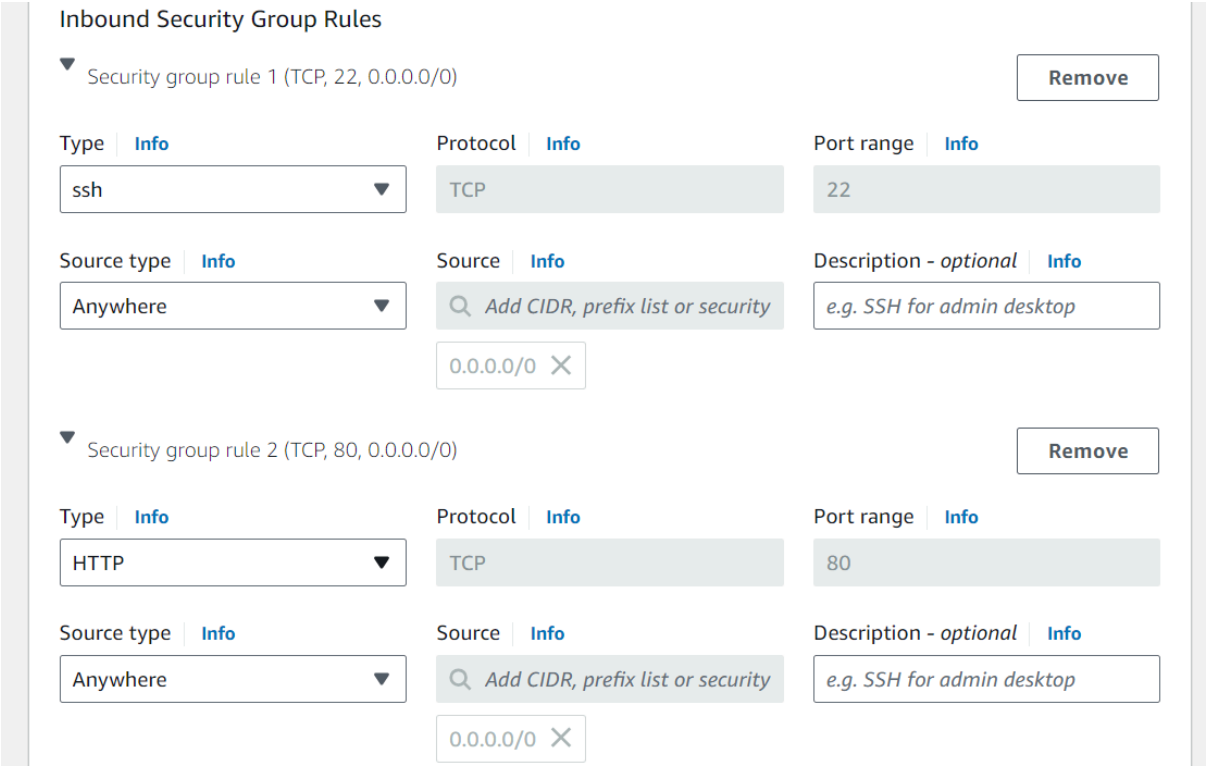
STEP 5 - Create a route table connecting to the subnet but not connecting to the internet gateway is private

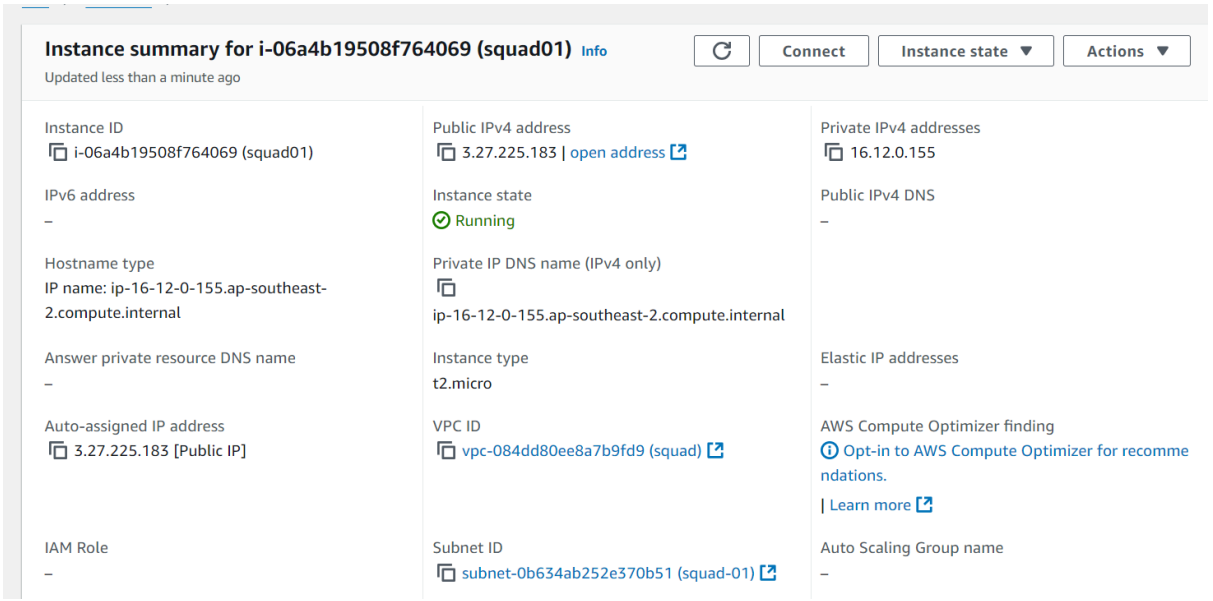


STEP 6 - launch a Linux EC2 instance by using the above VPC and public subnet

Launch Instance > squad 01 as as name > set the OS > set AMI > Network setting add vpc,subnet,enable public ip> inbound security http access > finance launch ec2 instance






Instance summary for i-06a4b19508f764069 (squad01) Info
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-06a4b19508f764069 (squad01)
IPv6 address
–
Hostname type
IP name: ip-16-12-0-155.ap-southeast-2.compute.internal
Answer private resource DNS name
–
Auto-assigned IP address
3.27.225.183 [Public IP]
IAM Role
–
Public IPv4 address
3.27.225.183 | open address
Instance state
Running
Private IP DNS name (IPv4 only)
ip-16-12-0-155.ap-southeast-2.compute.internal
Instance type
t2.micro
VPC ID
vpc-084dd80ee8a7b9fd9 (squad)
Subnet ID
subnet-0b634ab252e370b51 (squad-01)
Private IPv4 addresses
16.12.0.155
Public IPv4 DNS
–
Elastic IP addresses
–
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations.
| Learn more
Auto Scaling Group name
–