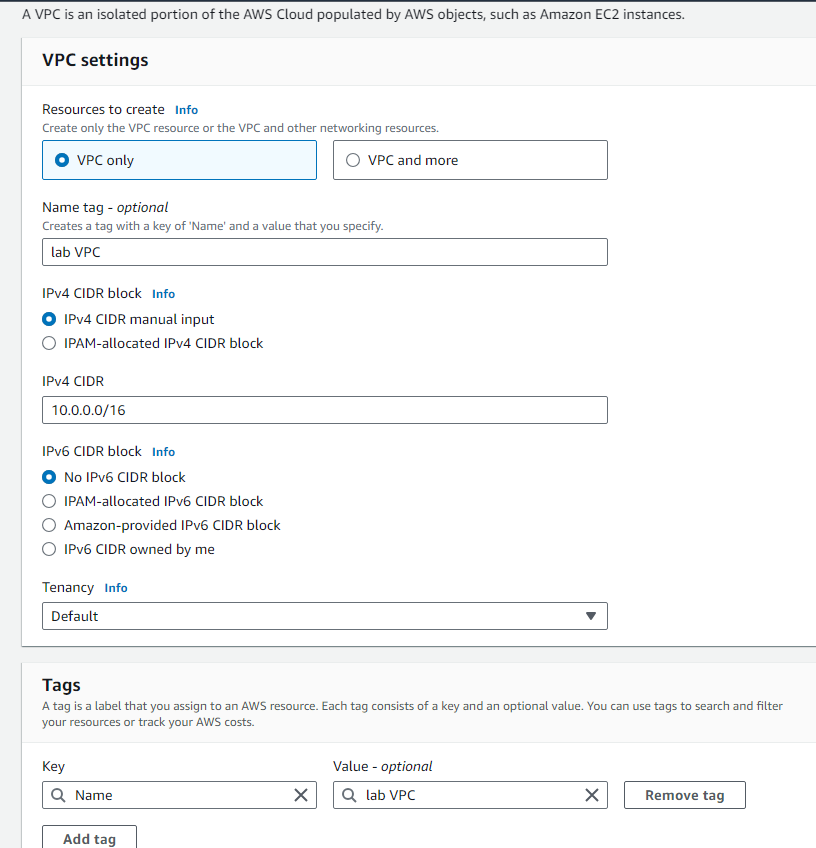
Steps for build VPC

1. create VPC subnet 10.0.0.0/16



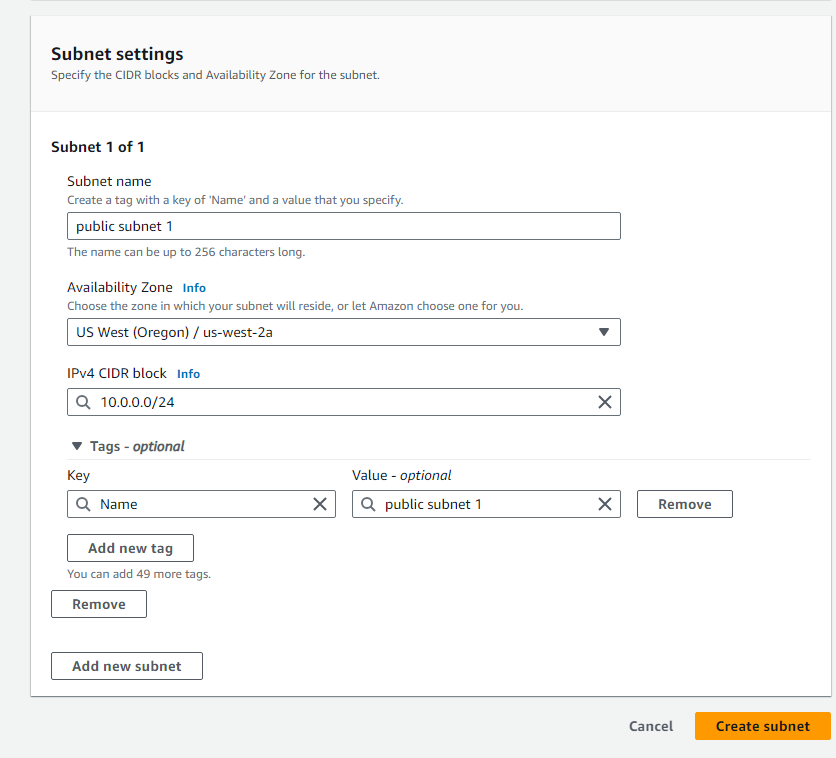
2. create 4 subnets

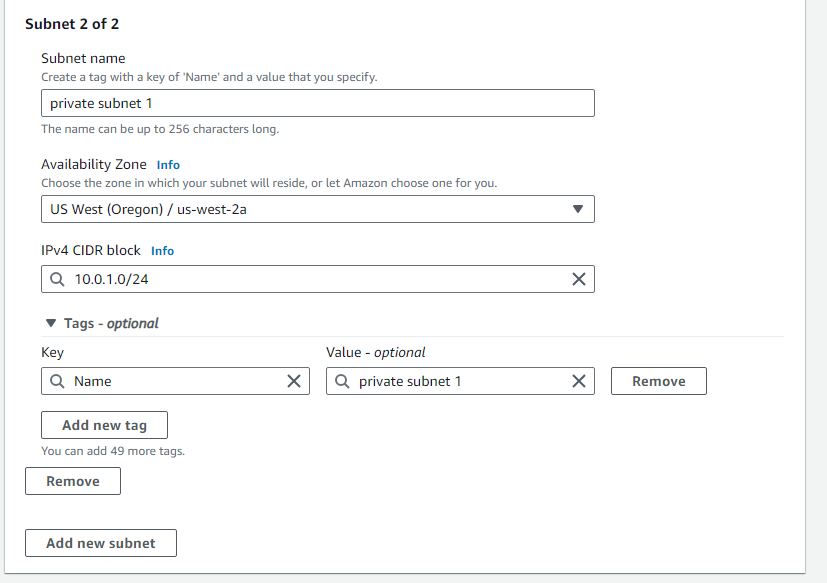
Public subnet 1 10.0.0.0/24 availability zone A

Private subnet 1 10.0.1.0/24 availability zone A

public subnet 2 10.0.2.0/24 availability zone B

private subnet 2 10.0.3.0/24 availability zone B





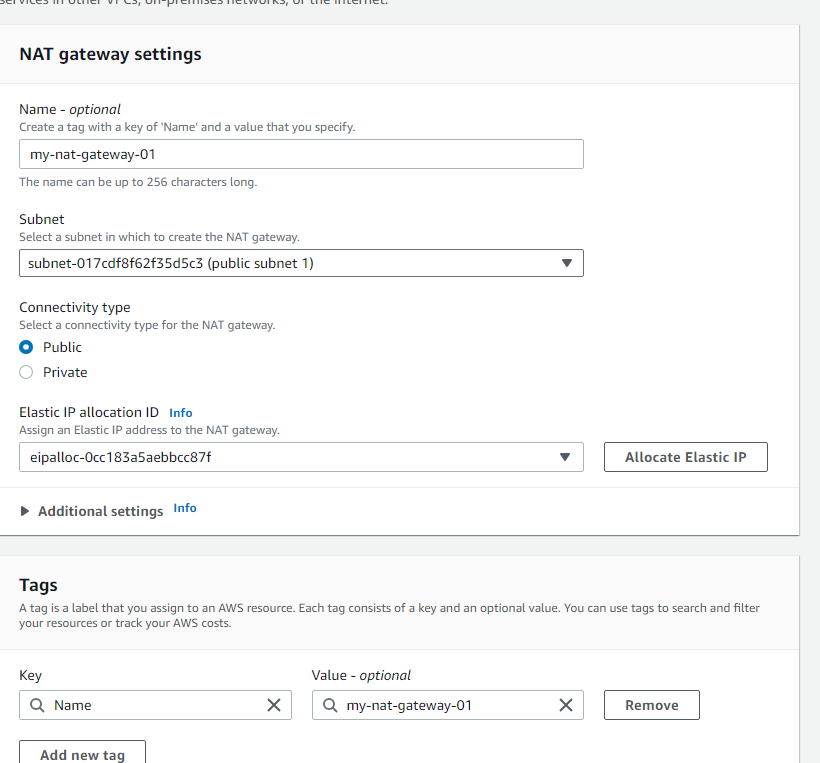
A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

3. create NAT gateway, associate it to public subnet 1 and assign an Elastic IP



4. create Internet gateway and associate it to the VPC

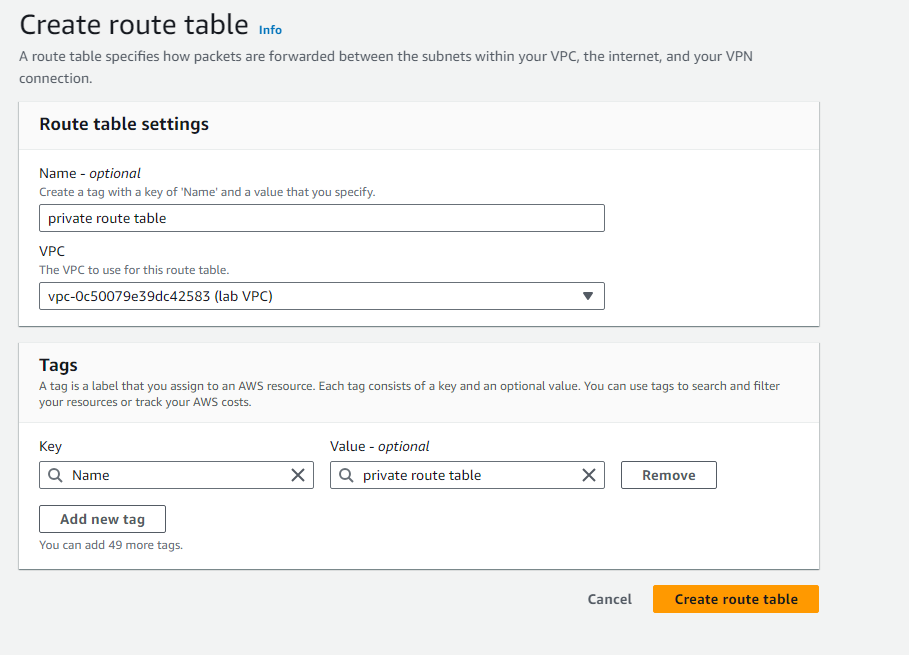
A screenshot of a computer

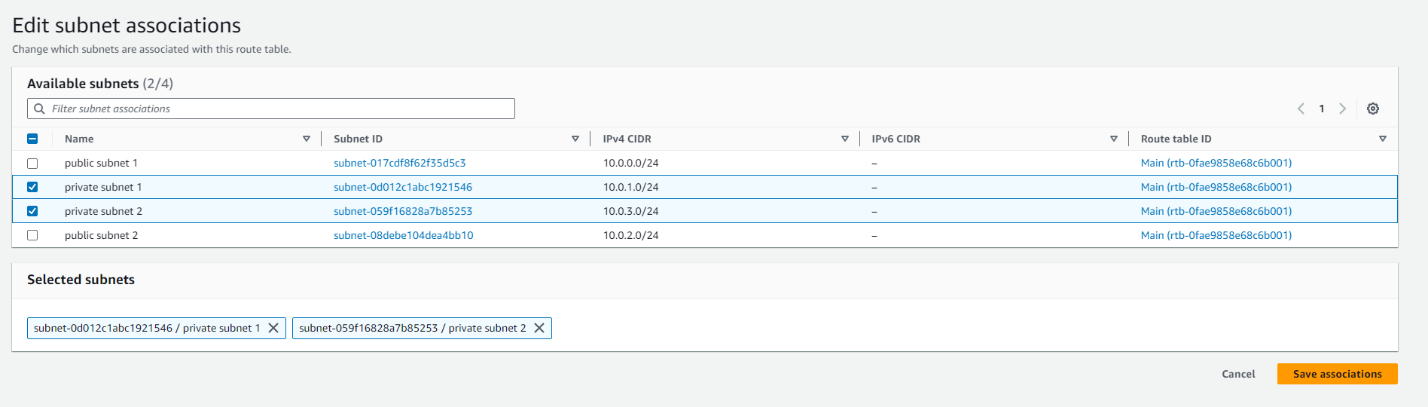
Description automatically generated

A screenshot of a computer

Description automatically generated

4. create route tables and associate for private and public subnets





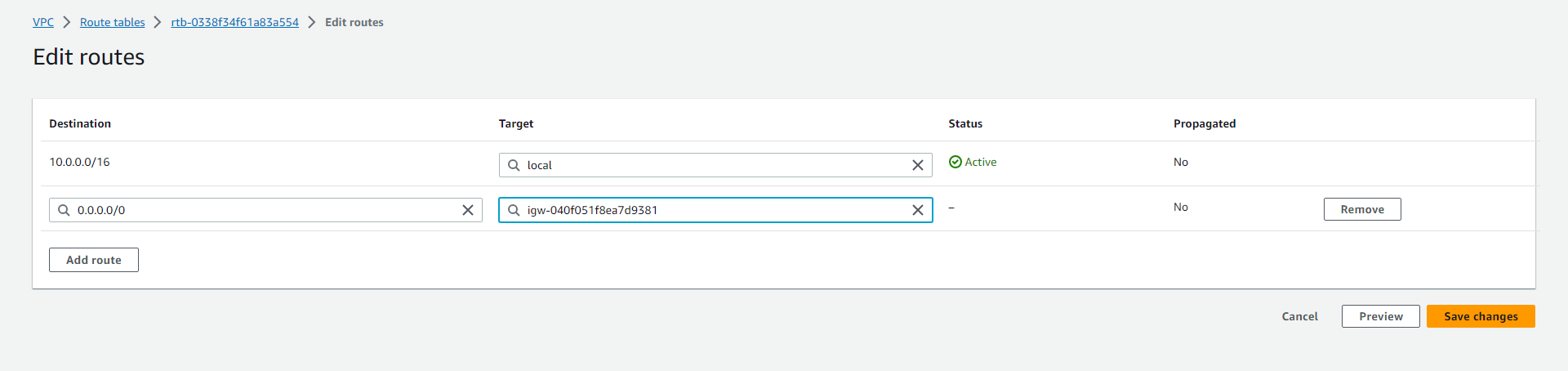
A screenshot of a computer

Description automatically generated

A screenshot of a computer

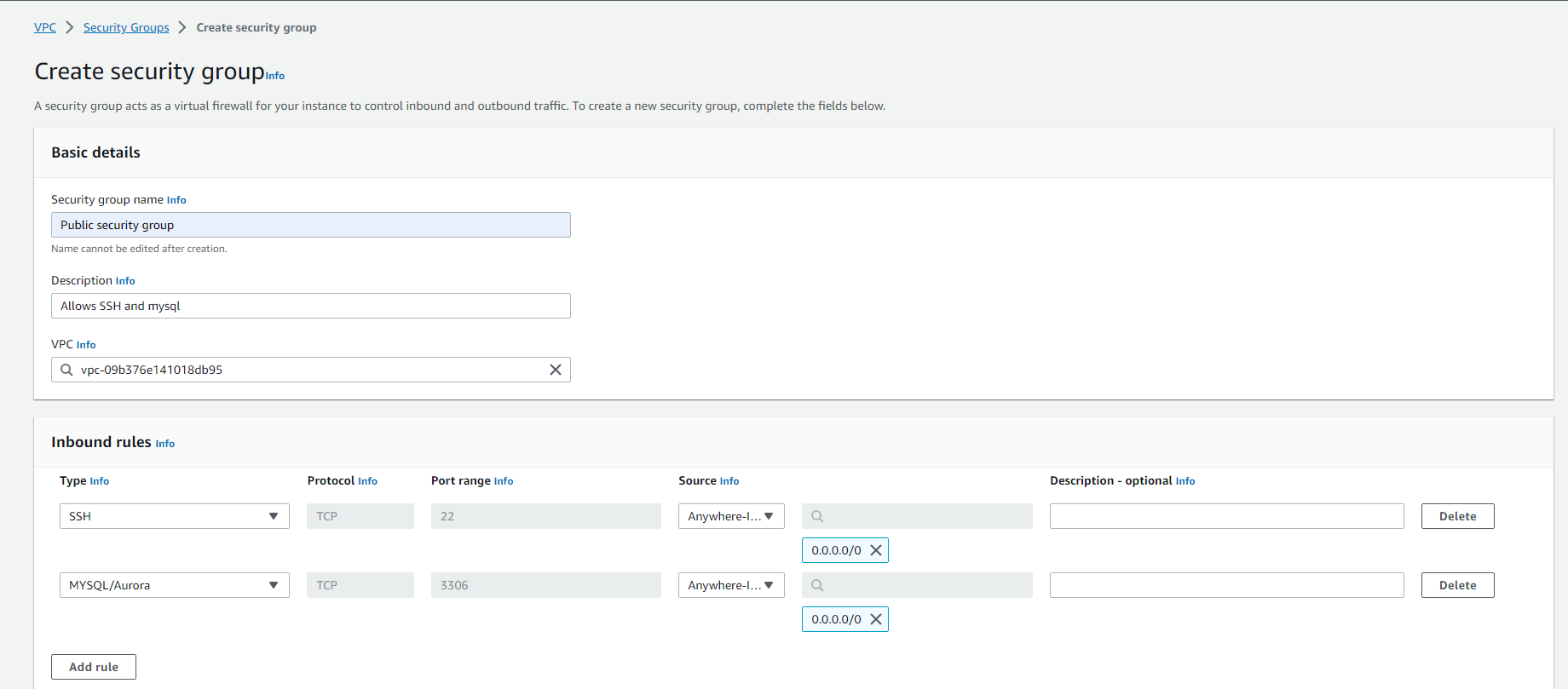
Description automatically generated

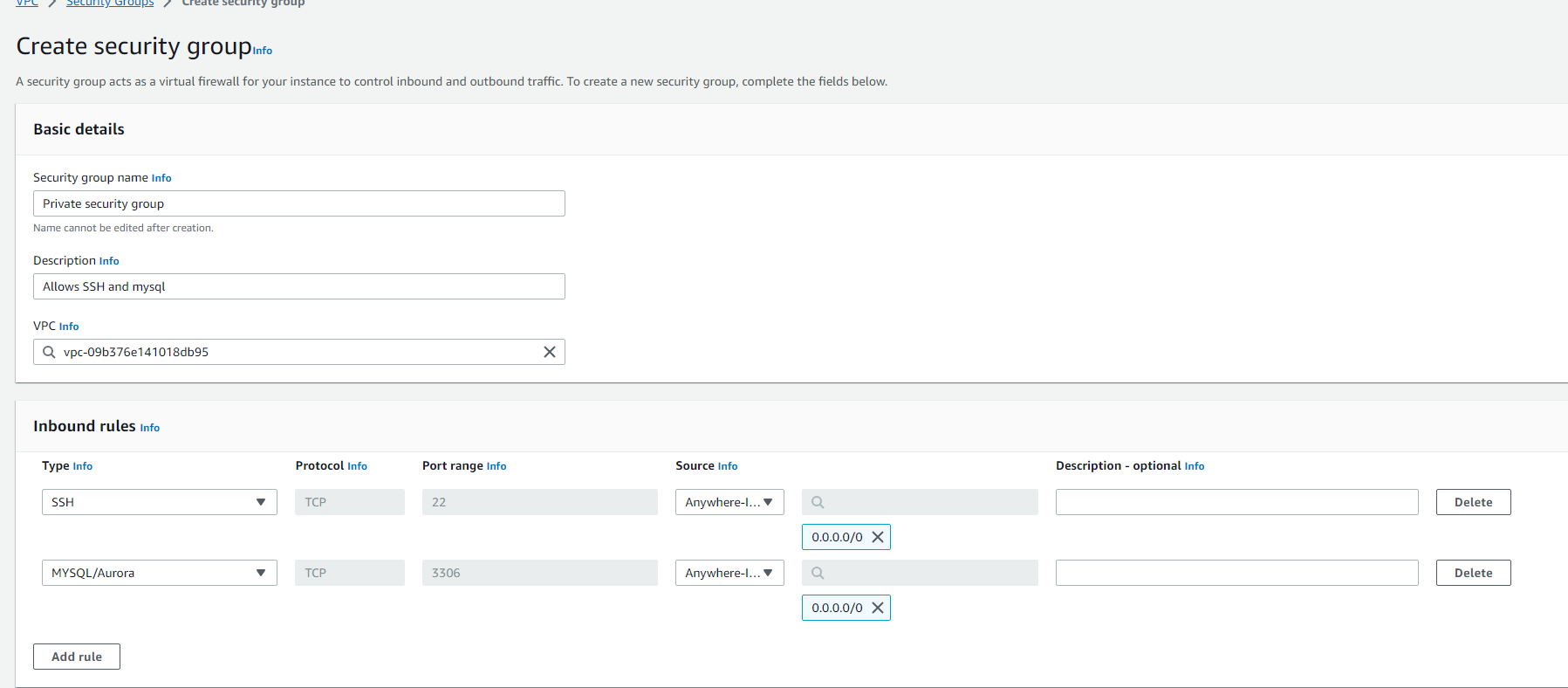
5. Add Internet gateway route to the public route table and add NAT gateway route to the private route table



A screenshot of a computer

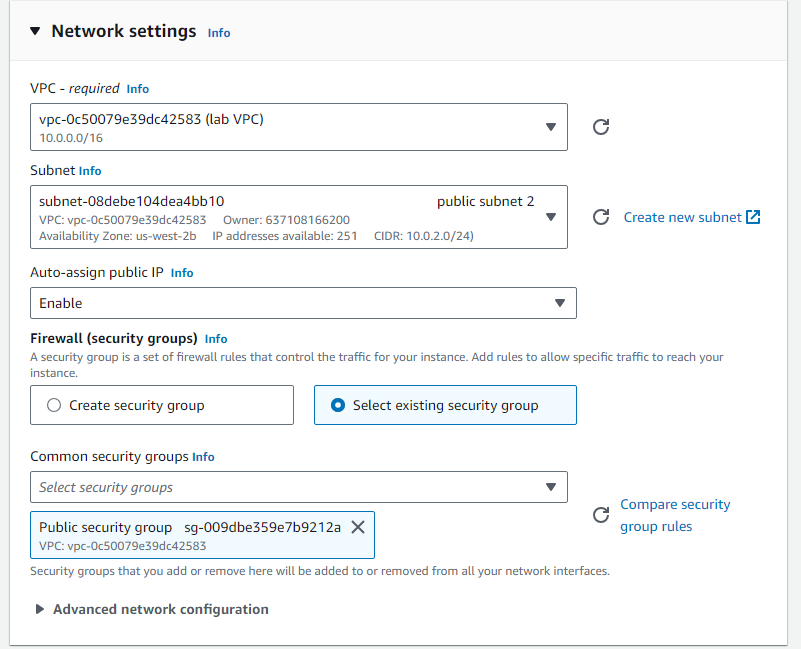
Description automatically generated

6. create a security group for public subnets and permit inbound SSH and mysql (port 22, 3306)

7. create a security group for private subnets and permit inbound SSH and mysql (port 22, 3306)

8. create EC2 with the following network settings (public subnet 2 and public security group)

The instance is accessible from the internet (mysql client)



9. create EC2 with following network settings (private subnet 2 and private security group)

The instance is not accessible from the internet (mysql server)

A screenshot of a network settings

Description automatically generated