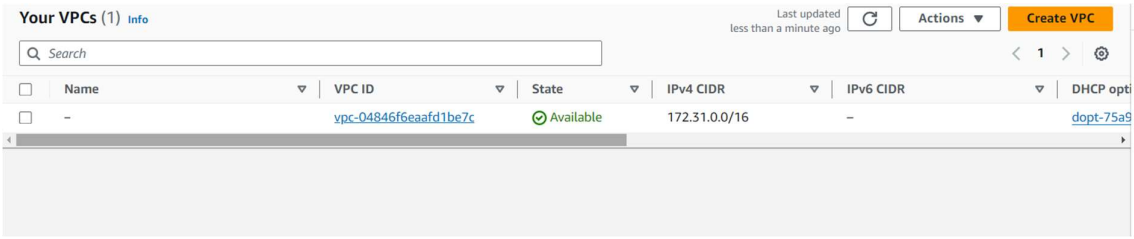
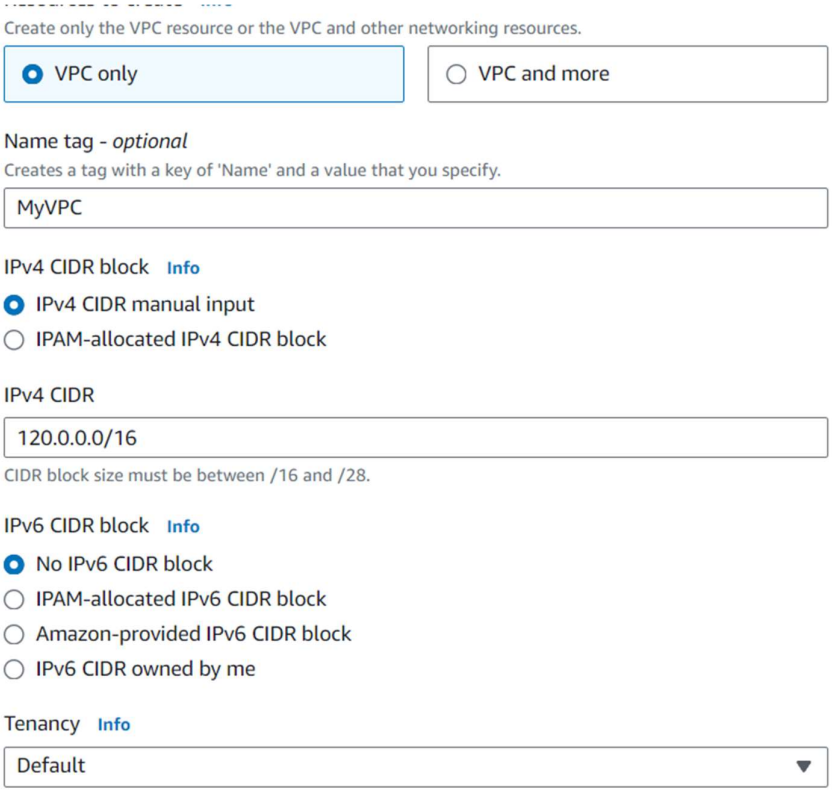
1. Create a VPC

- **Step 1**: Log in to the AWS Management Console and go to the VPC Dashboard.
- **Step 2**: Click on **Create VPC**.



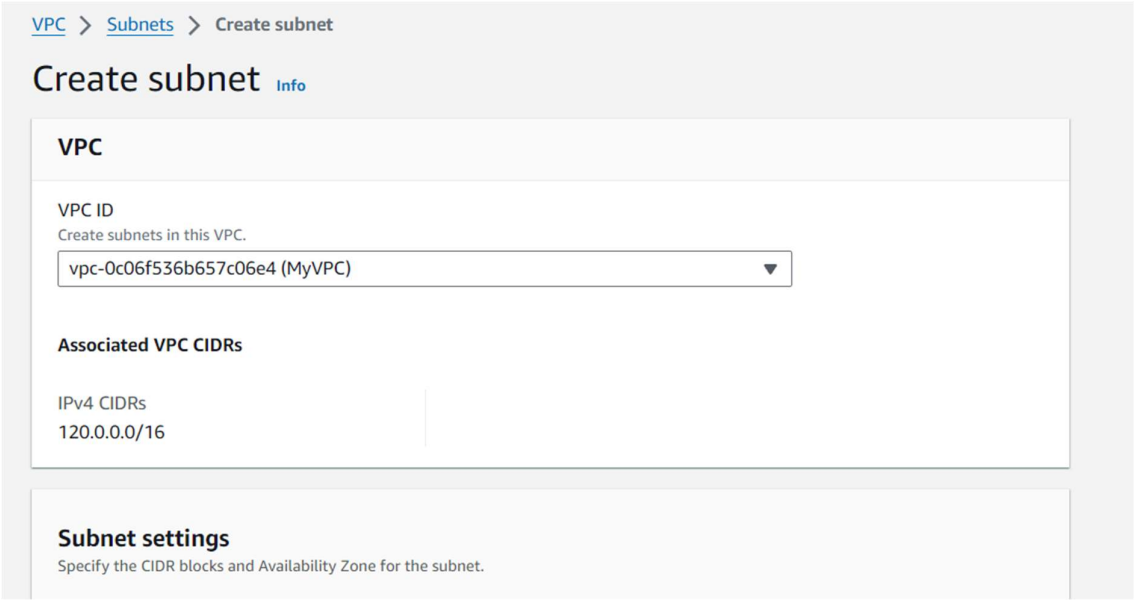
- **Step 3**: Choose **VPC only**.
- **Step 4**: Enter the following details:
    - **Name tag**: (e.g., MyVPC)
    - **IPv4 CIDR block**: 120.0.0.0/16



- **Step 5**: Click **Create VPC**.

2. Create Subnets

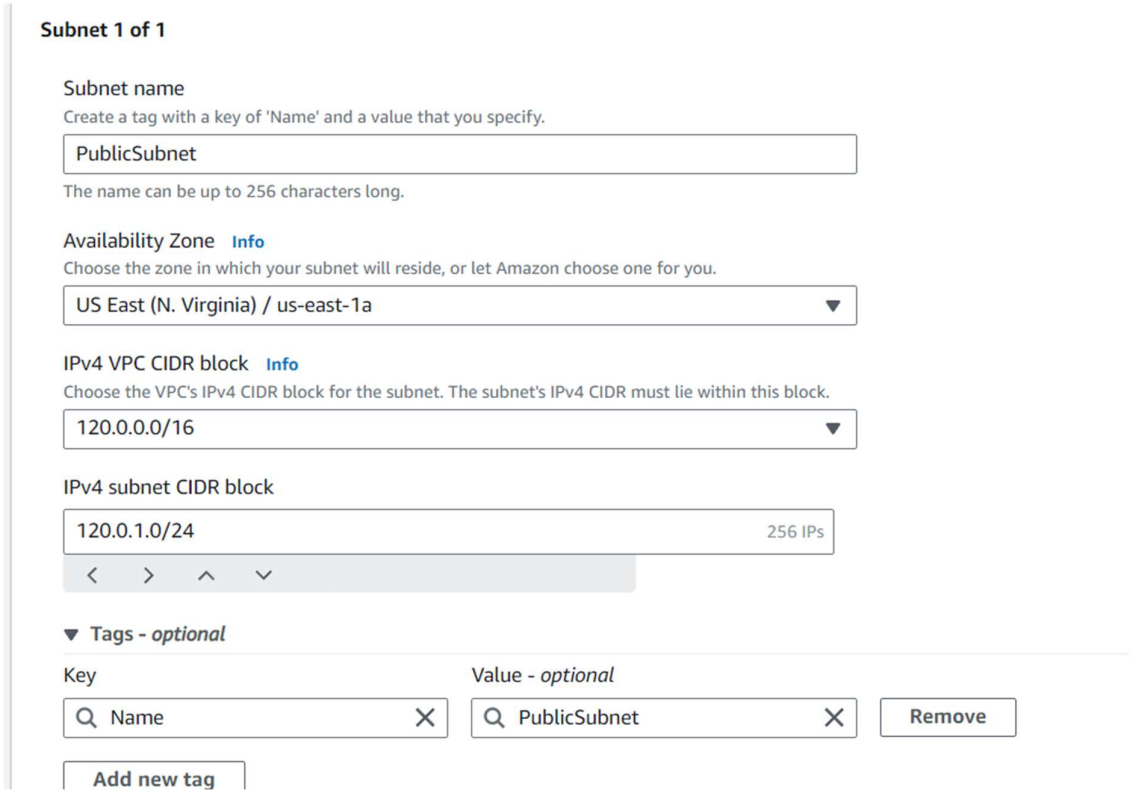
- **Step 1**: In the VPC Dashboard, click on **Subnets** in the left navigation pane, then click **Create Subnet**.
- **Step 2**: Select the VPC you just created.



- **Step 3**: Create the public and private subnets:

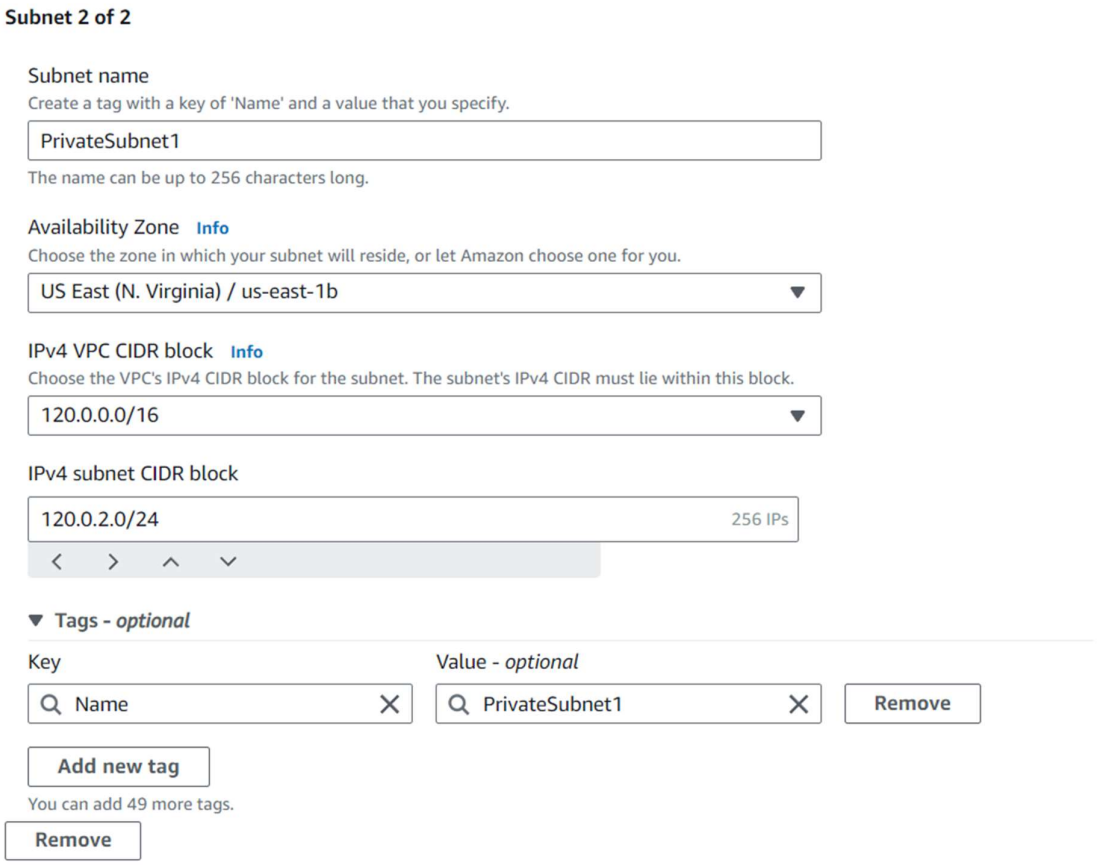
Public Subnet

  - **Name tag**: (e.g., PublicSubnet)
  - **Availability Zone**: Choose one (e.g., us-east-1a).
  - **IPv4 CIDR block**: (e.g., 120.0.1.0/24)
  - **Step 4**: Click **Create Subnet**.



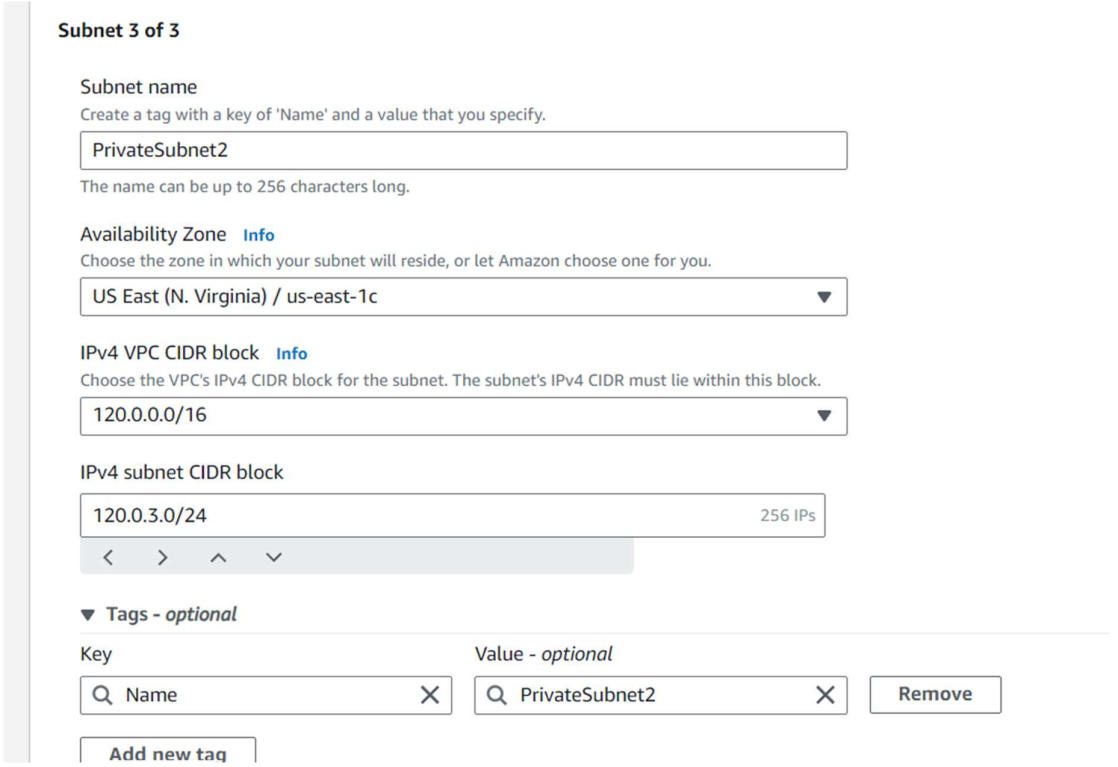
Private Subnet 1

- **Name tag**: (e.g., PrivateSubnet1)
- **Availability Zone**: Choose another one (e.g., us-east-1b).
- **IPv4 CIDR block**: (e.g., 120.0.2.0/24)
- **Step 4**: Click **Create Subnet**.

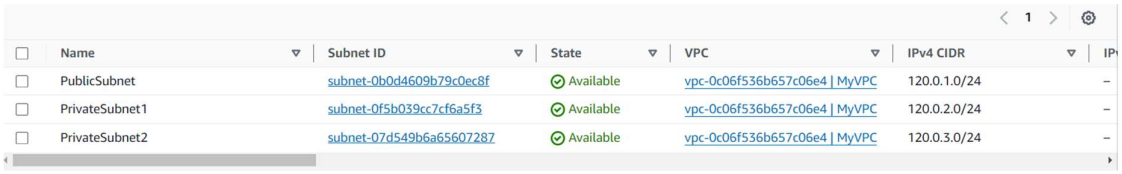


Private Subnet 2

- **Name tag**: (e.g., PrivateSubnet2)
- **Availability Zone**: Choose the third (e.g., us-east-1c).
- **IPv4 CIDR block**: (e.g., 120.0.3.0/24)



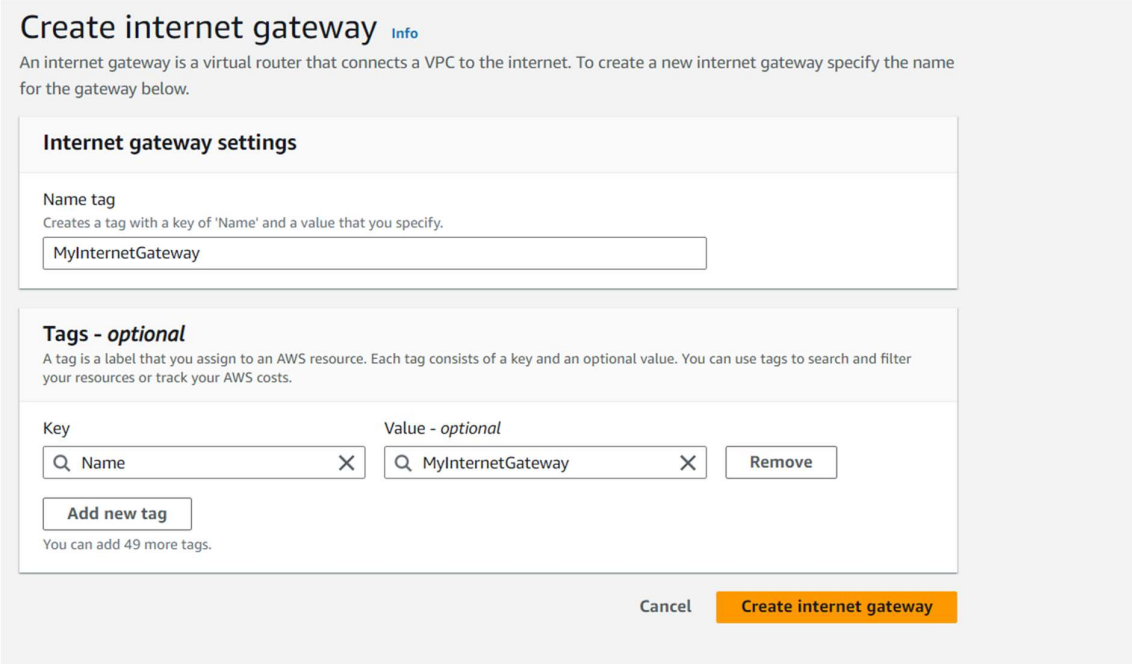
- **Step 4**: Click **Create Subnet**.



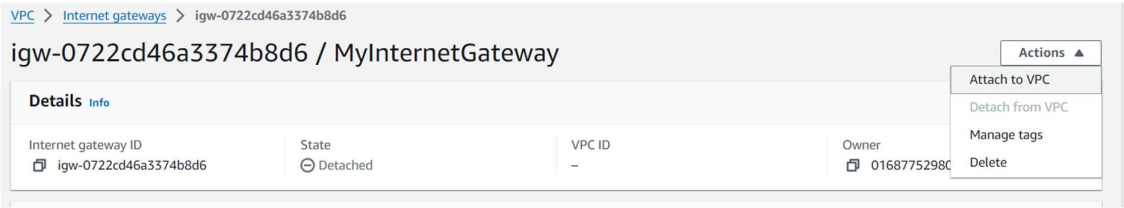
Name	Subnet ID	State	VPC	IPv4 CIDR
PublicSubnet	subnet-0b0d4609b79c0ec8f	Available	vpc-0c06f536b657c06e4 | MyVPC	120.0.1.0/24
PrivateSubnet1	subnet-0f5b039cc7cf6a5f3	Available	vpc-0c06f536b657c06e4 | MyVPC	120.0.2.0/24
PrivateSubnet2	subnet-07d549b6a65607287	Available	vpc-0c06f536b657c06e4 | MyVPC	120.0.3.0/24

3. Create an Internet Gateway and Attach it to the VPC

- **Step 1**: In the VPC Dashboard, click on **Internet Gateways** in the left navigation pane, then click **Create internet gateway**.
- **Step 2**: Enter a name tag (e.g., MyInternetGateway), then click **Create internet gateway**.

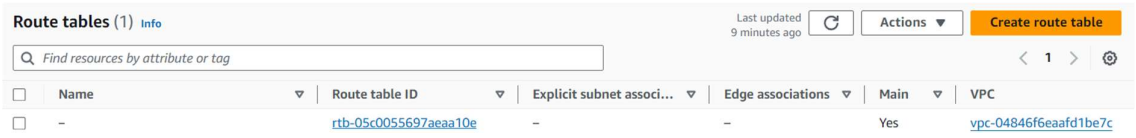


- **Step 3**: Click **Attach to VPC**, select the VPC you created, and click **Attach internet gateway**.

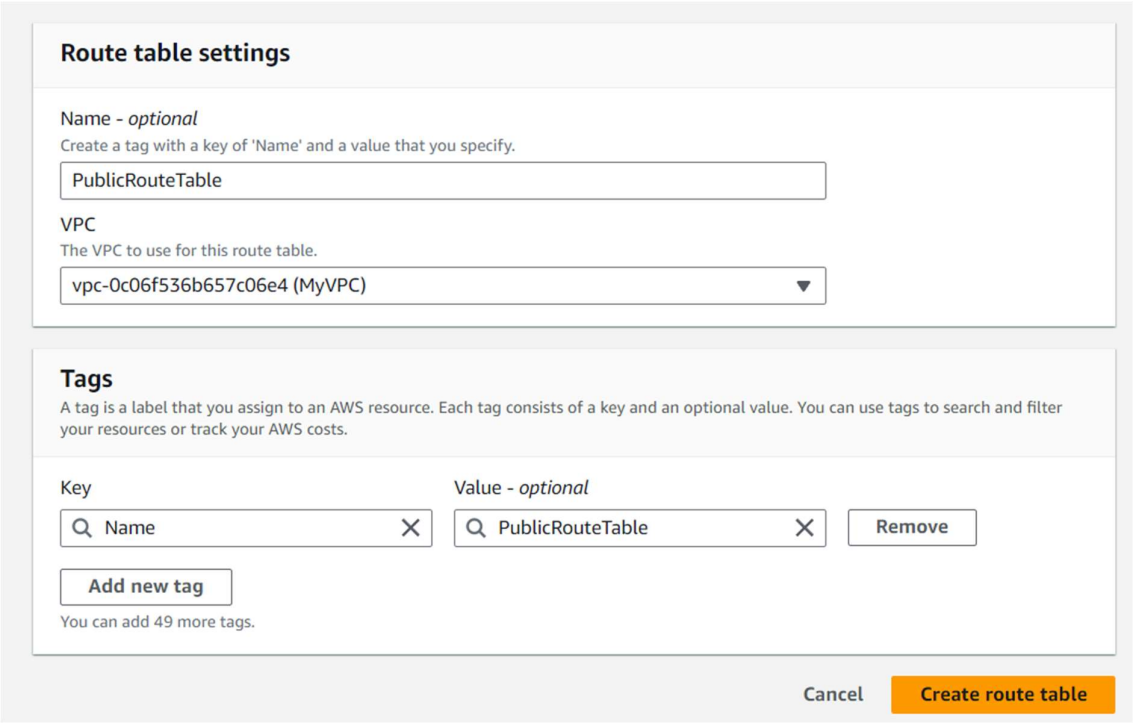


4. Create a Route Table for the Public Subnet

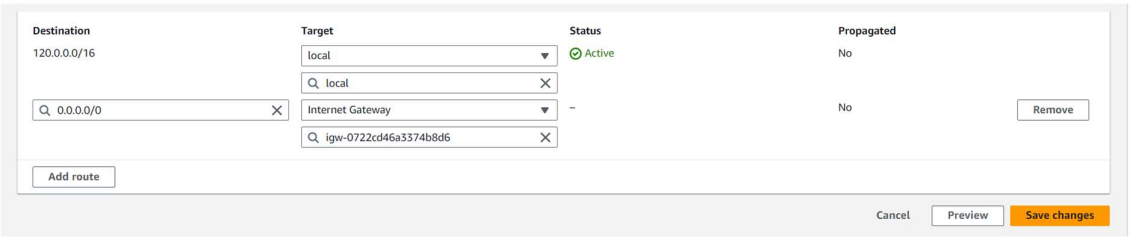
- **Step 1**: In the VPC Dashboard, click on **Route Tables** in the left navigation pane, then click **Create route table**.



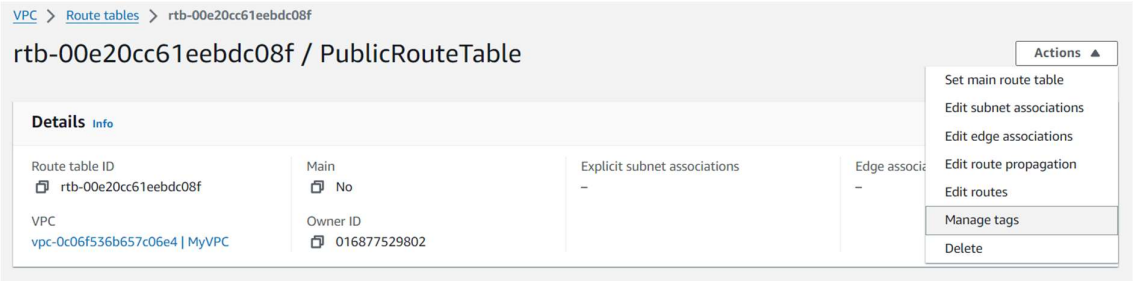
- **Step 2**: Select the VPC you created, and enter a name tag (e.g., PublicRouteTable).



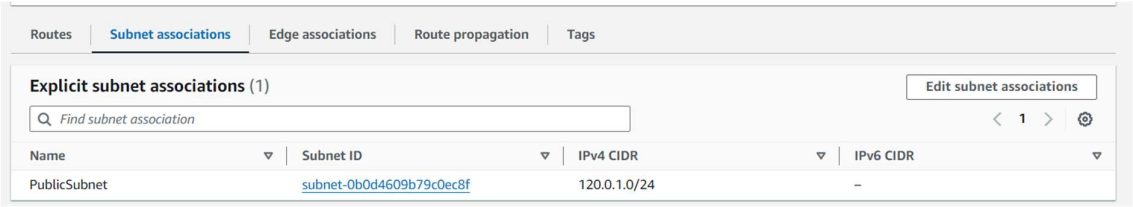
- **Step 3**: Click **Create route table**.
- **Step 4**: Select the newly created route table, and under the **Routes** tab, click **Edit routes**.
- **Step 5**: Click **Add route**:
    - **Destination**: 0.0.0.0/0
    - **Target**: Select your Internet Gateway.
- **Step 6**: Click **Save changes**.



- **Step 7**: Under the **Subnets associations** tab, click **Edit subnet associations**

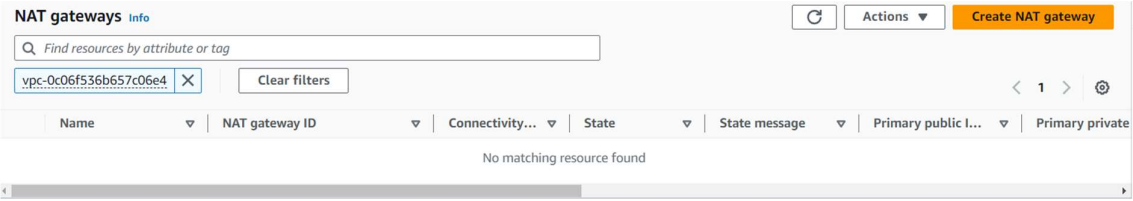


- and select your public subnet.

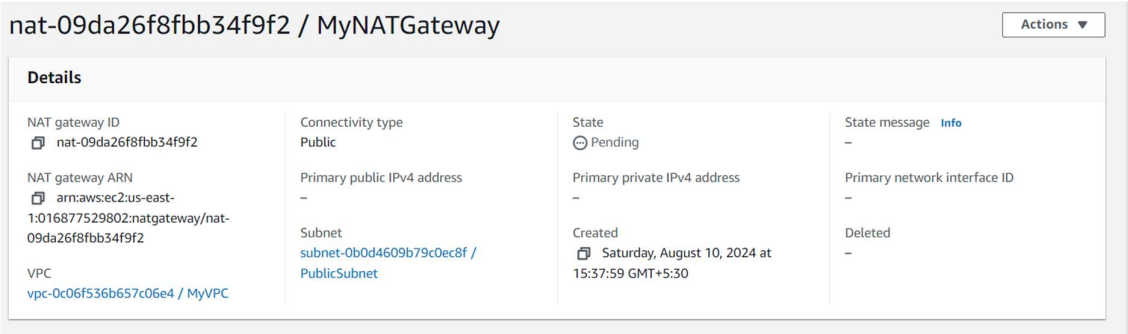


5. Create a NAT Gateway

- **Step 1**: In the VPC Dashboard, click on **NAT Gateways** in the left navigation pane, then click **Create NAT gateway**.



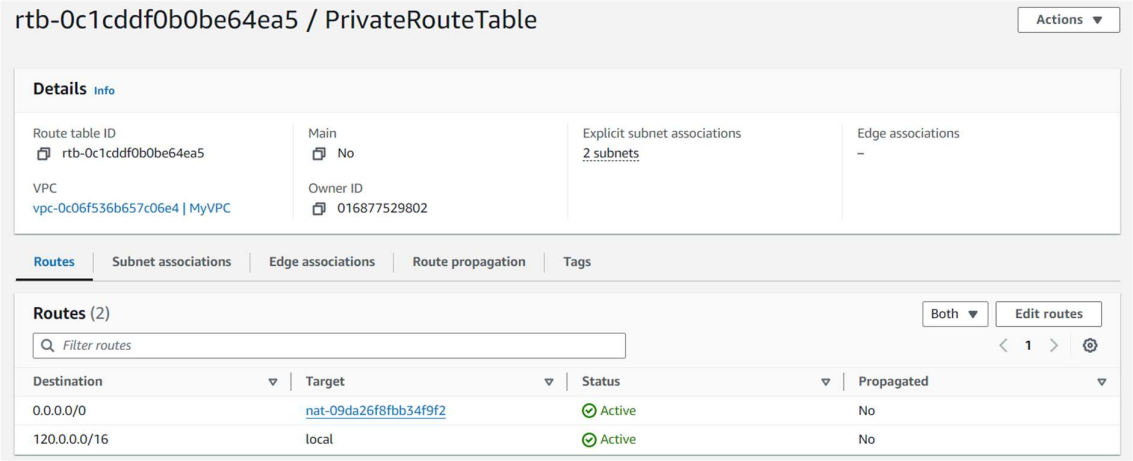
- **Step 2**: Enter the following details:
  - **Name tag**: (e.g., MyNATGateway)
  - **Subnet**: Select your public subnet.
  - **Elastic IP allocation ID**: Allocate a new Elastic IP or select an existing one.
- **Step 3**: Click **Create NAT gateway**.



6. Create a Route Table for the Private Subnets

- **Step 1**: In the VPC Dashboard, click on **Route Tables** in the left navigation pane, then click **Create route table**.
- **Step 2**: Select the VPC you created, and enter a name tag (e.g., PrivateRouteTable).
- **Step 3**: Click **Create route table**.
- **Step 4**: Select the newly created route table, and under the **Routes** tab, click **Edit routes**.
- **Step 5**: Click **Add route**:
  - **Destination**: 0.0.0.0/0
  - **Target**: Select your NAT Gateway.

- **Step 6**: Click **Save changes**.



- **Step 7**: Under the **Subnets associations** tab, click **Edit subnet associations** and select your private subnets.