**AWS Task-2**

**Task 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.

**Steps:**

1. **Create VPC**

Vpc name – test\_vpc

IPv4 CIDR – 10.0.0.0/23

1. **Create internet gateway**

Igw name – test\_igw

Go to test\_igw’s action and attach with test\_vpc

1. **Create public subnet**

Pub subnet name – pub\_subnet

Availability zone – us-east-1a

IPv4 subnet CIDR block – 10.0.0.0/24

Enable auto assign public IPv4 addresses

1. **Create private subnet.**

Pvt subnet name – pvt\_subnet

Availability zone – us-east-1b

IPv4 subnet CIDR block – 10.0.1.0/24

1. **Create Route Table for Public subnet:**

Route table name – pub\_rt

From this route table create a route to the internet gateway (test\_igw)

Port – 0.0.0.0/0

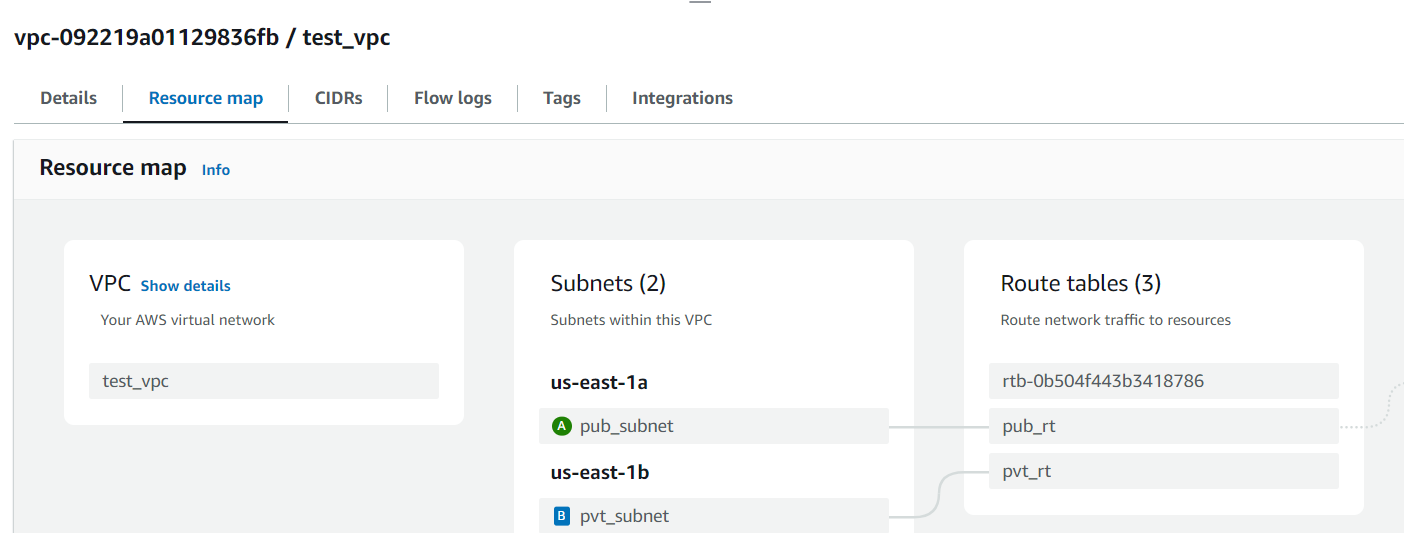
Click subnet association and associate this route table to the public subnet (pub\_sub)

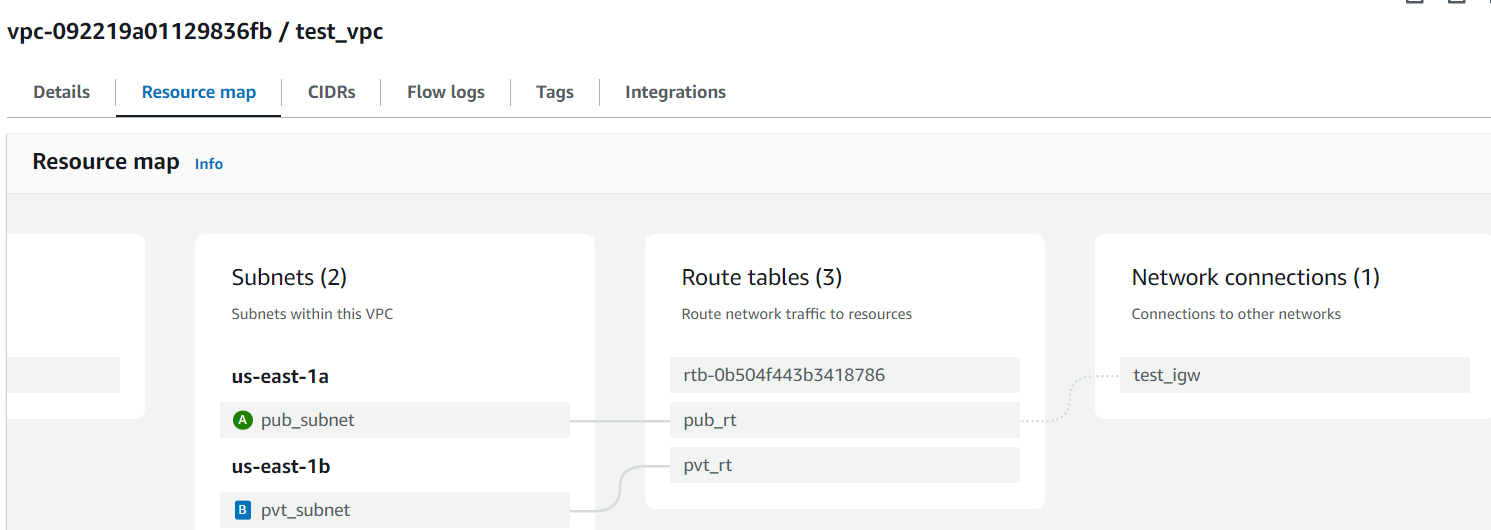
1. **Create Route Table for Pvt subnet:**

Route table name – pvt\_rt

Click subnet association and associate this route table to the private subnet (pvt\_sub)

**Output:**





1. **Launch a Linux EC2 instance in a public subnet:**

Launch an instance with created vpc and public subnet.

**Output:**

