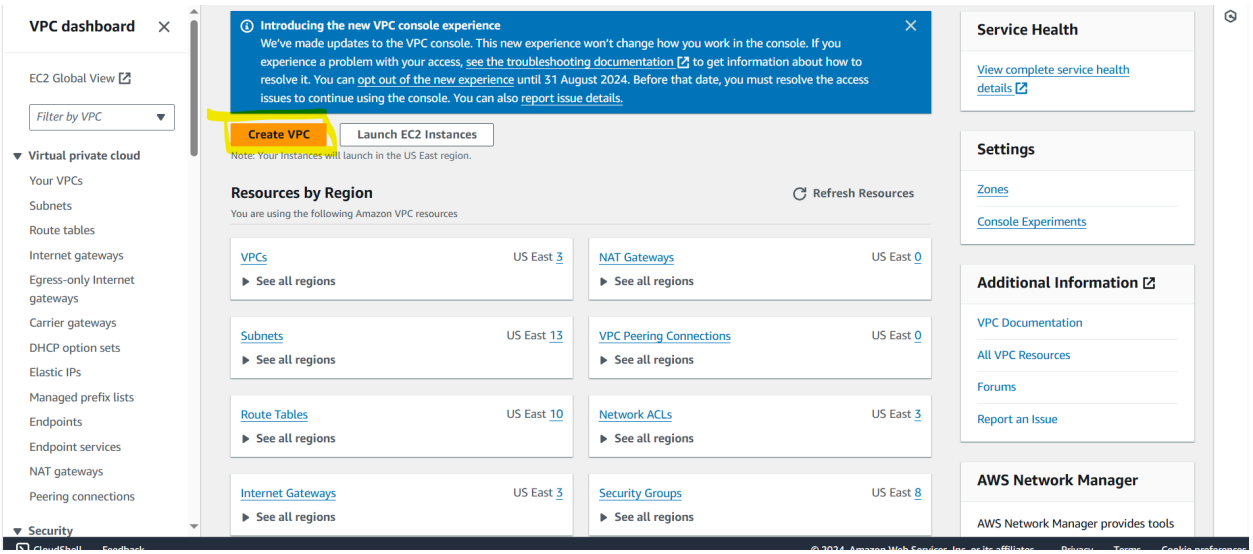
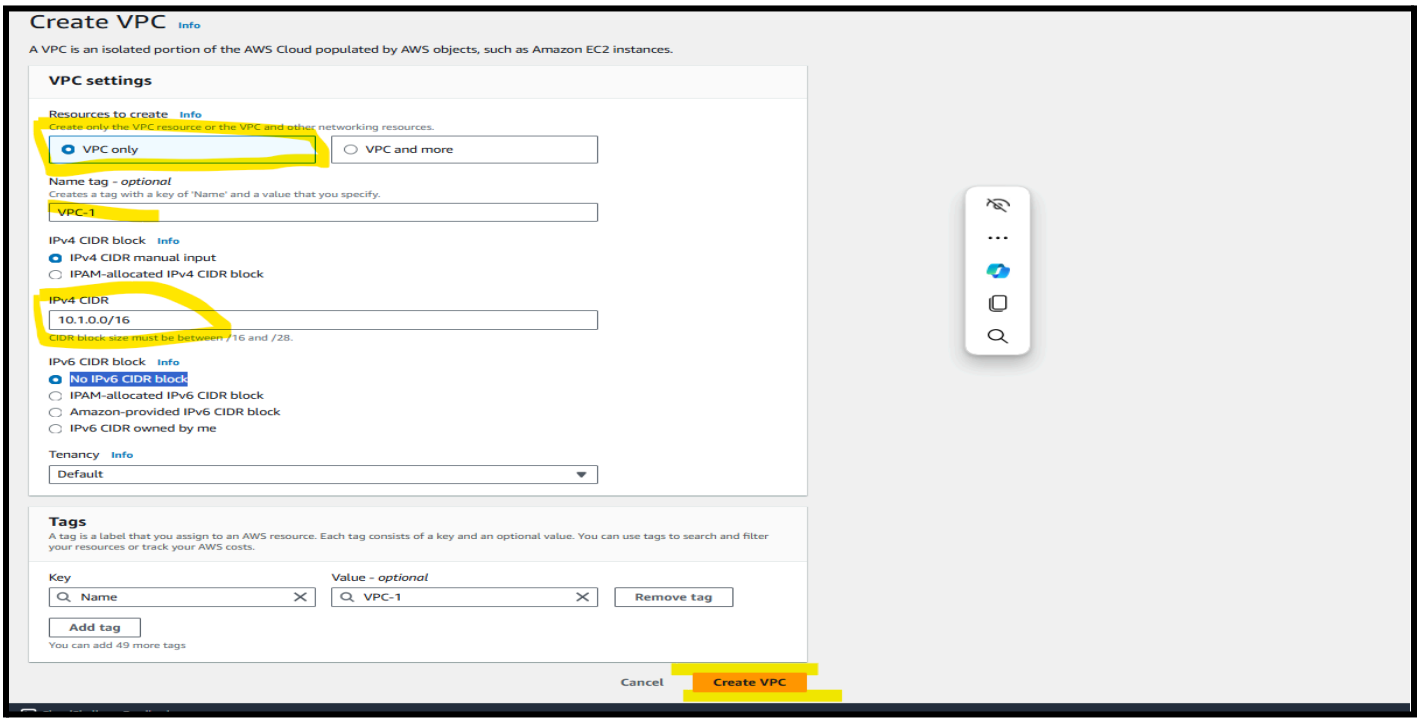
How to Create A VPC with Public and Private Subnets AND IGW and Route Tables

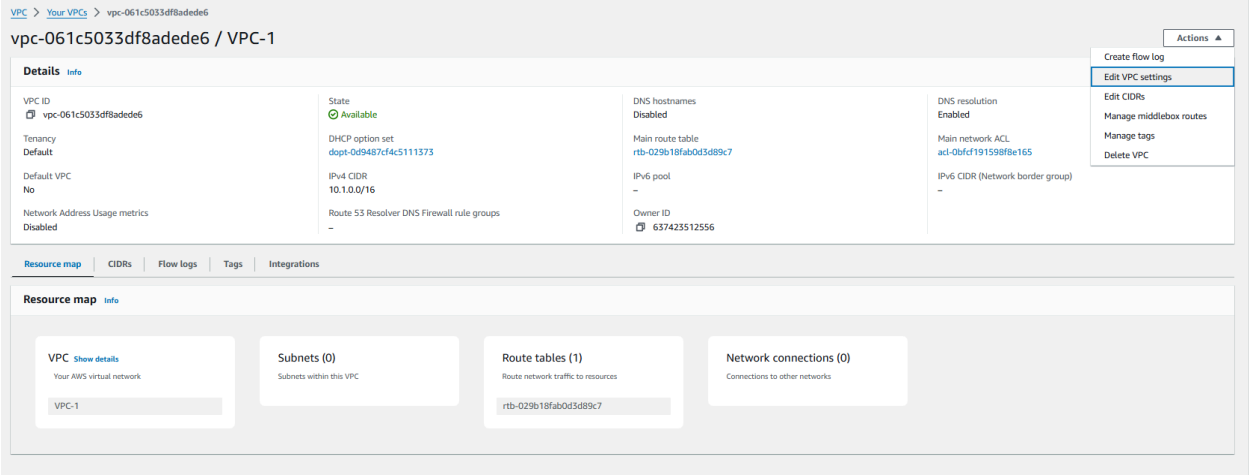
1- Login to the AWS Console
2- Go to VPC Section
3- Click on Create VPC



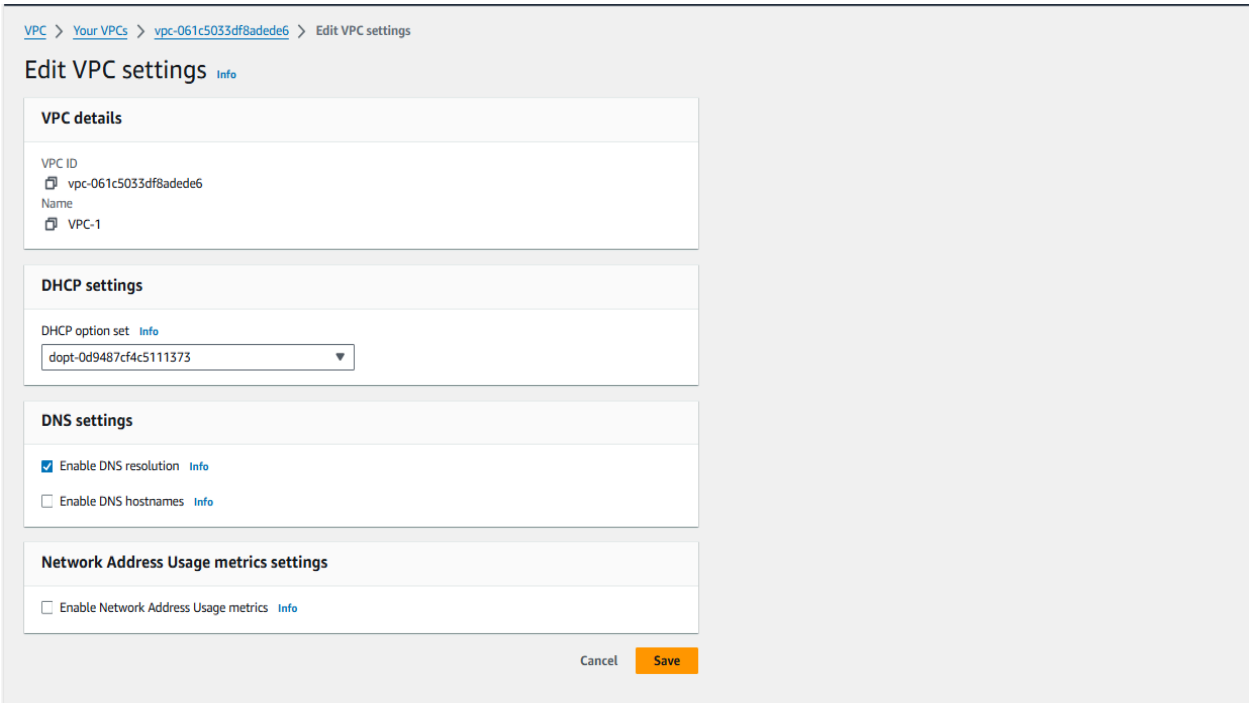
4-Give VPC Name and Give VPC CIDR Range 10.1.0.0/16

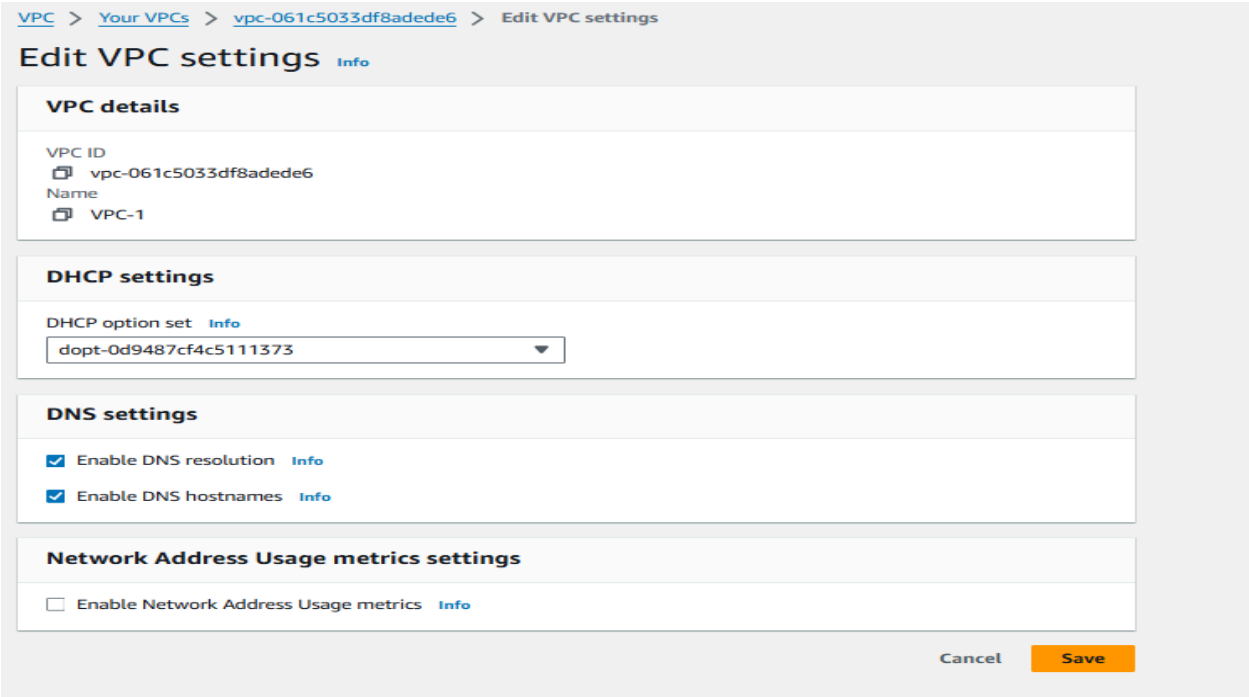


5-Click on Create VPC
6-Click On Actions in VPC
7-Select the Edit VPC settings



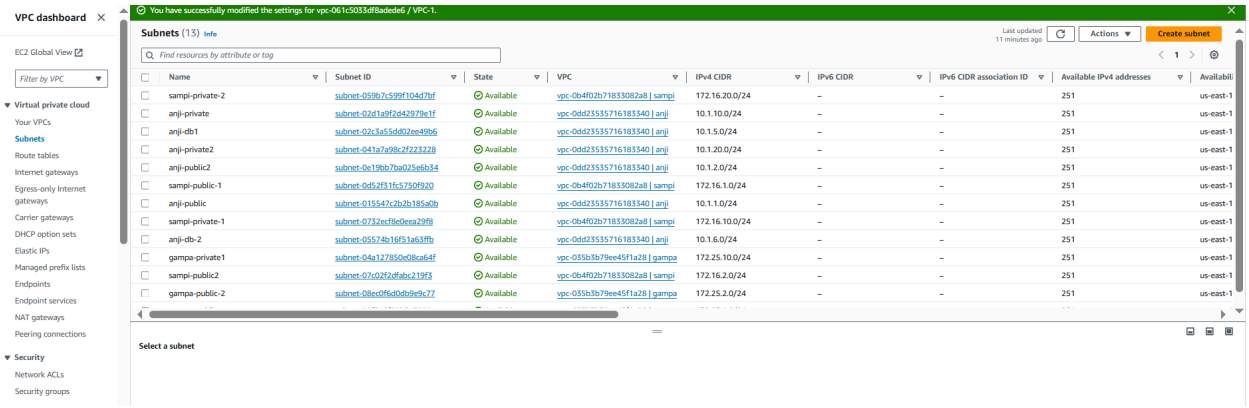
8-Check the Enable DNS Hostname



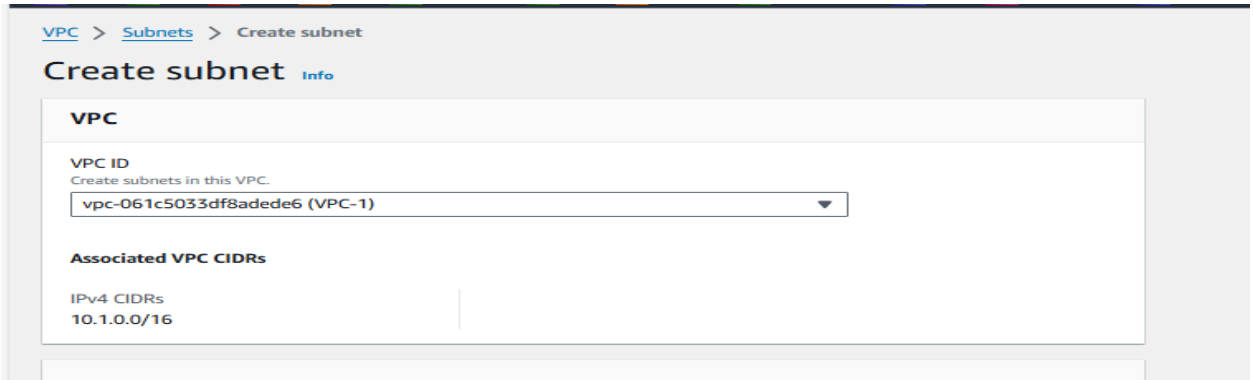


9-Click on Save

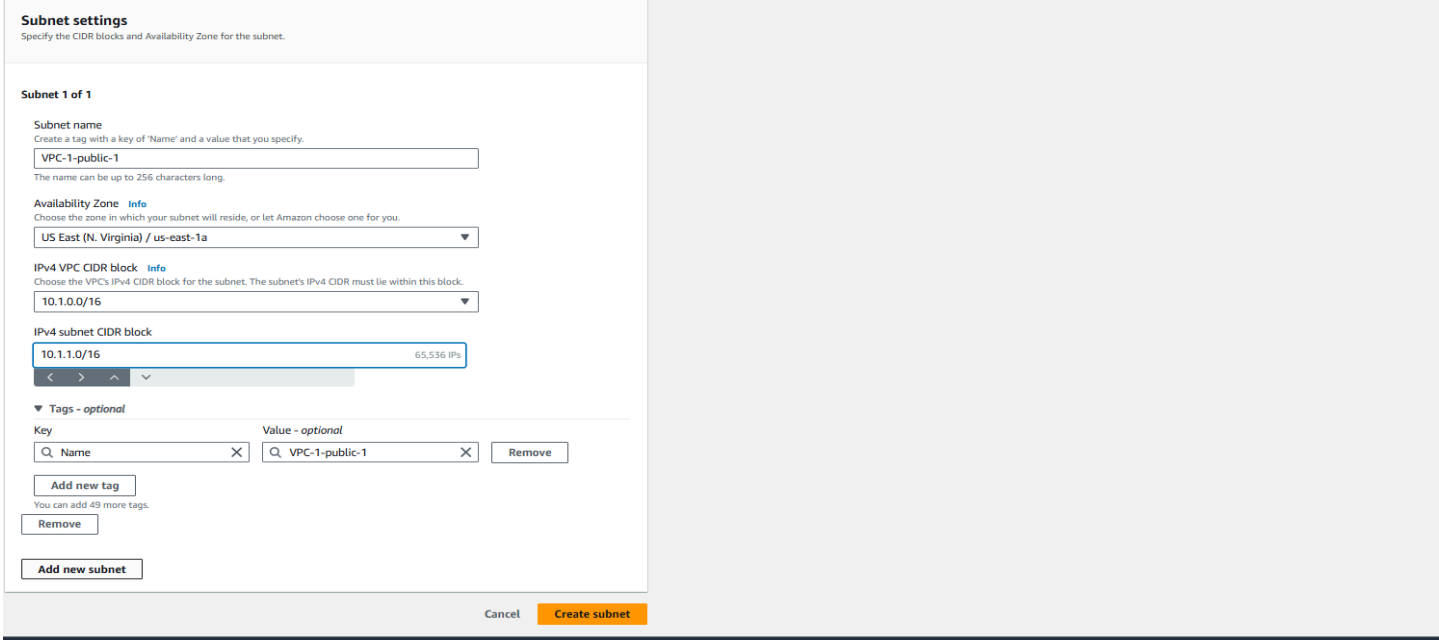
10-Click on Create Subnets



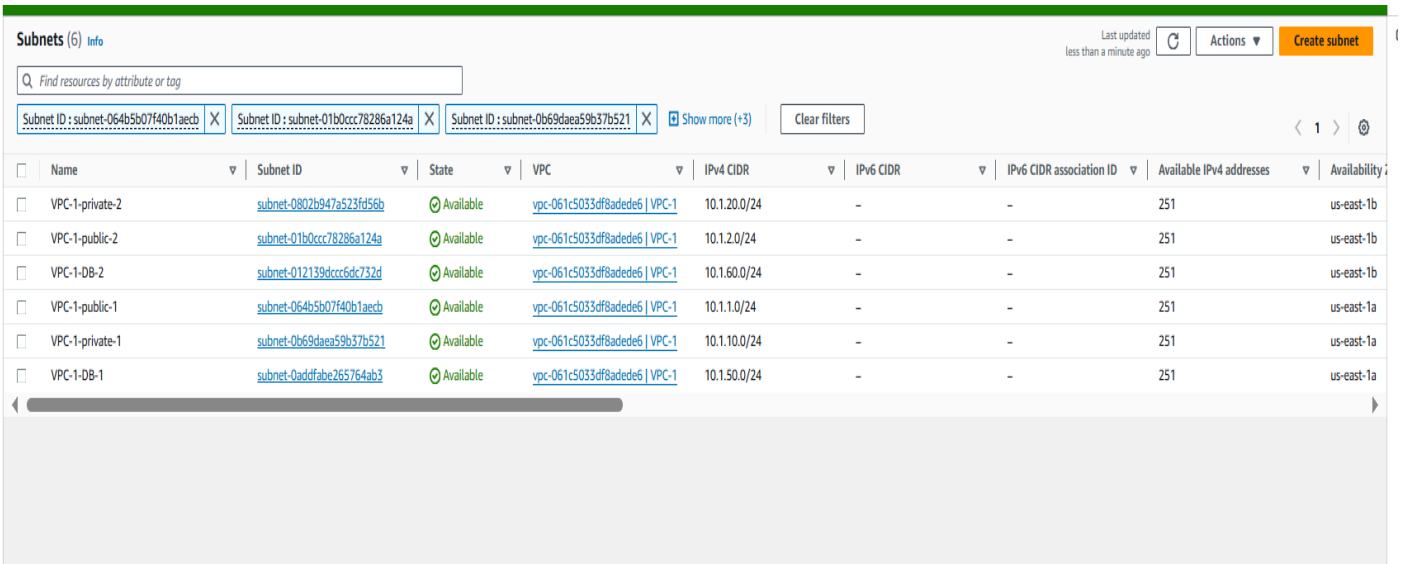
11-Select VPC



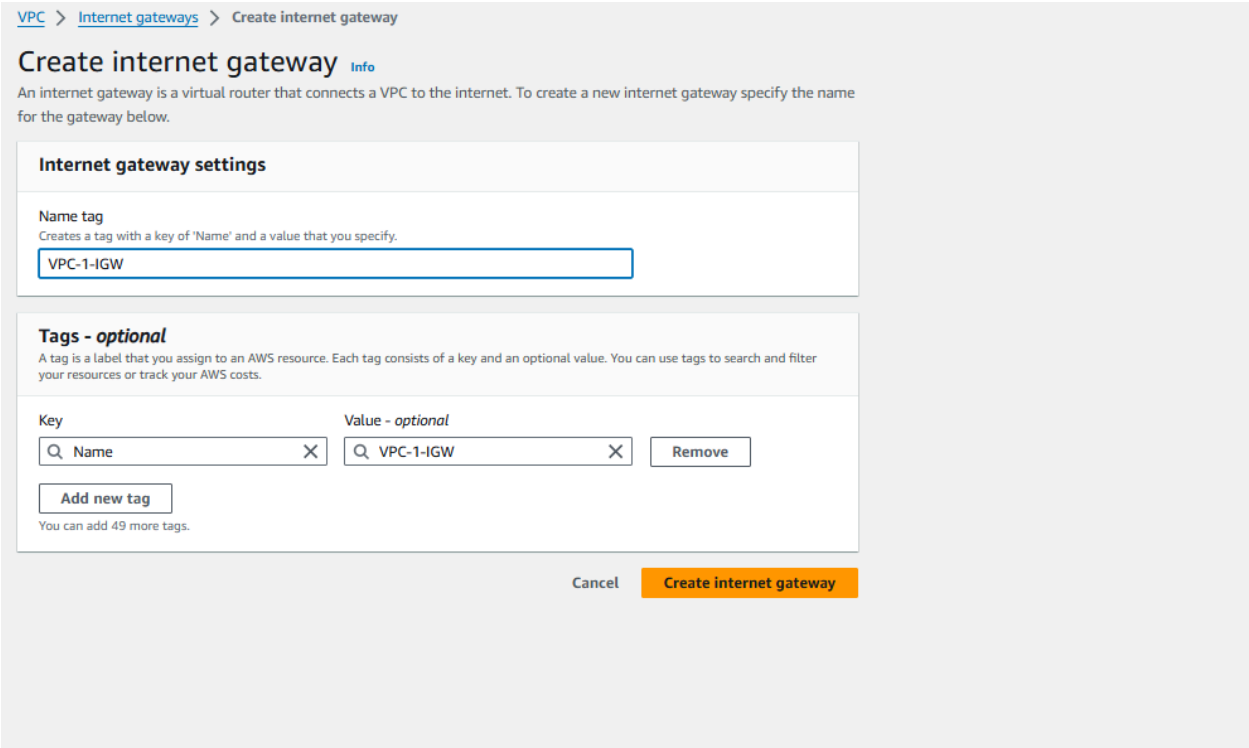
12-Give Subnet Name and IP range



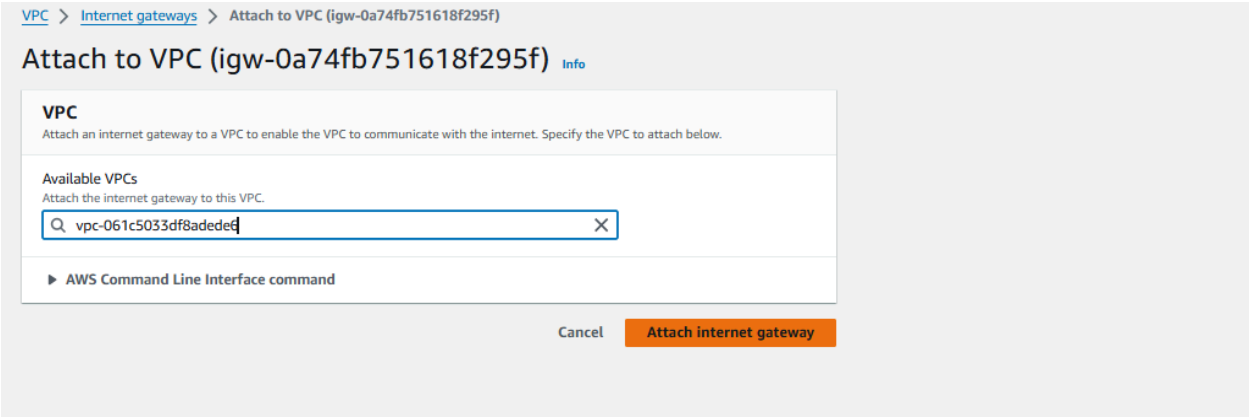
13-Like You can create how many you want I am, taking here 6 Subnets



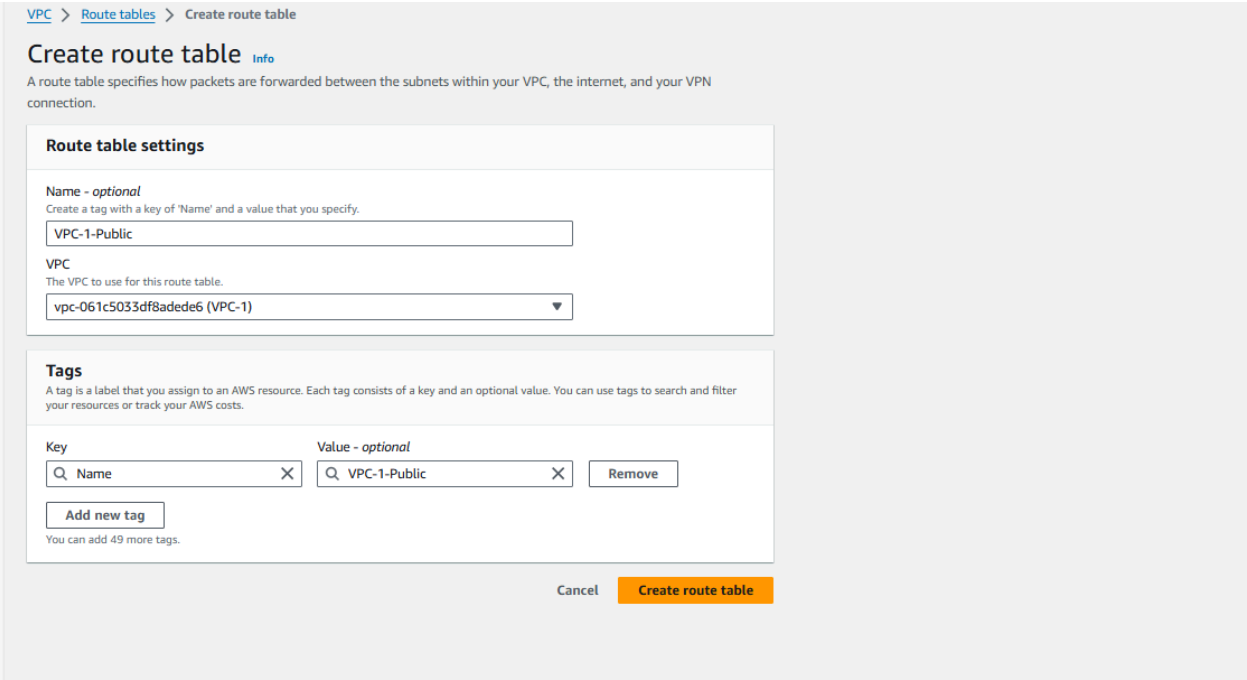
14-Click on Create Internet Gateway



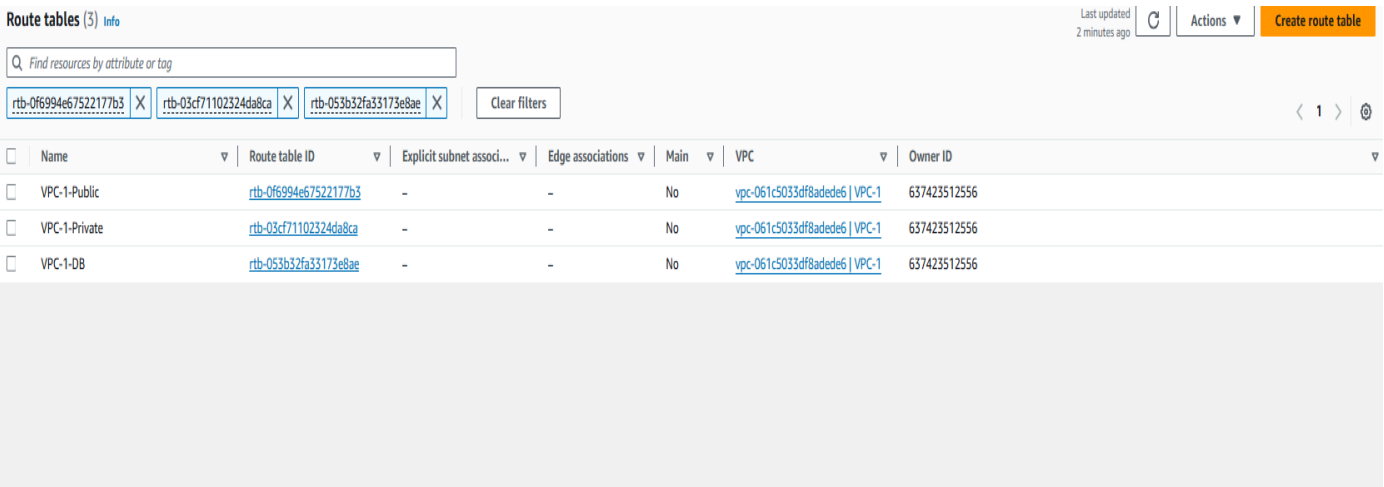
15-Attach the IGW to VPC



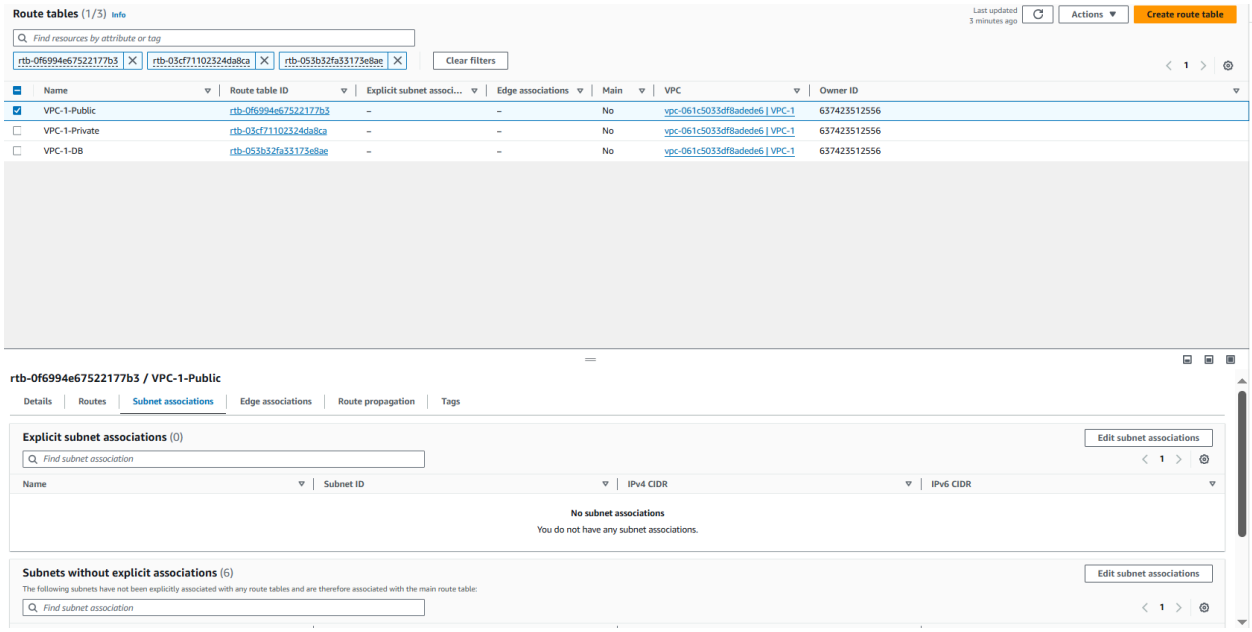
16-Click on Create Internet Gateway



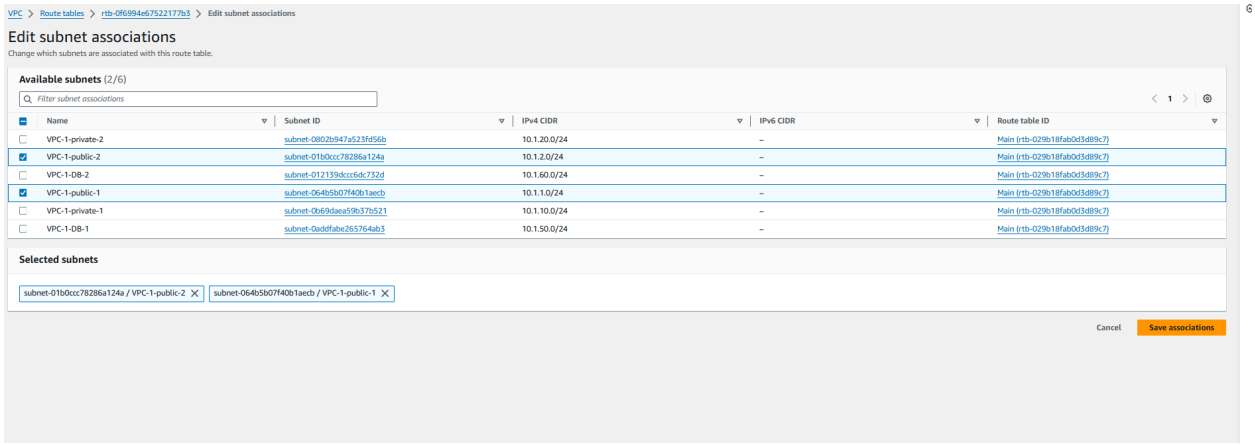
17-Here I am Taking 3 Route Tables VPC-1-Public and VPC-1-Private and VPC-1-DB



18-Click on VPC-1-Public click on Edit subnet associations

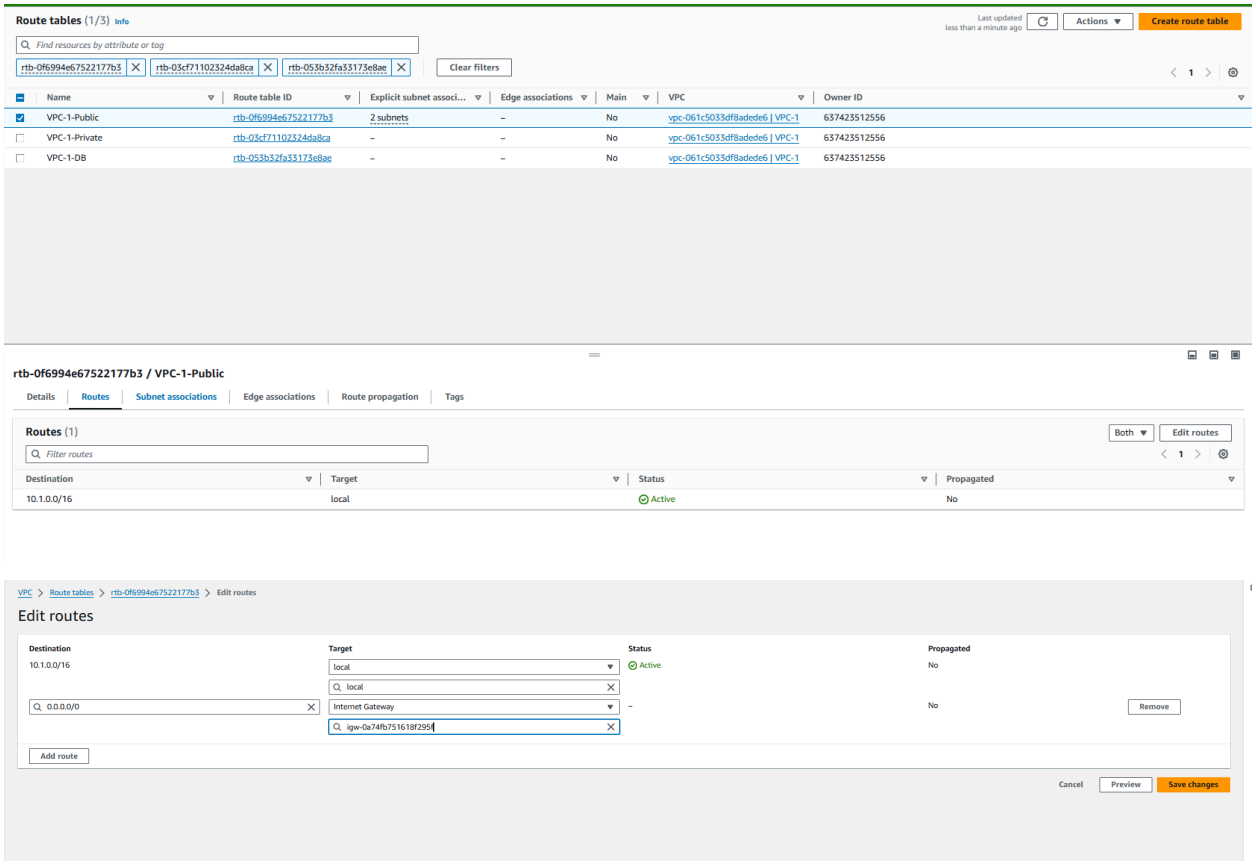


19-Add your public subnets VPC-1-public-1 and VPC-1-Public-2

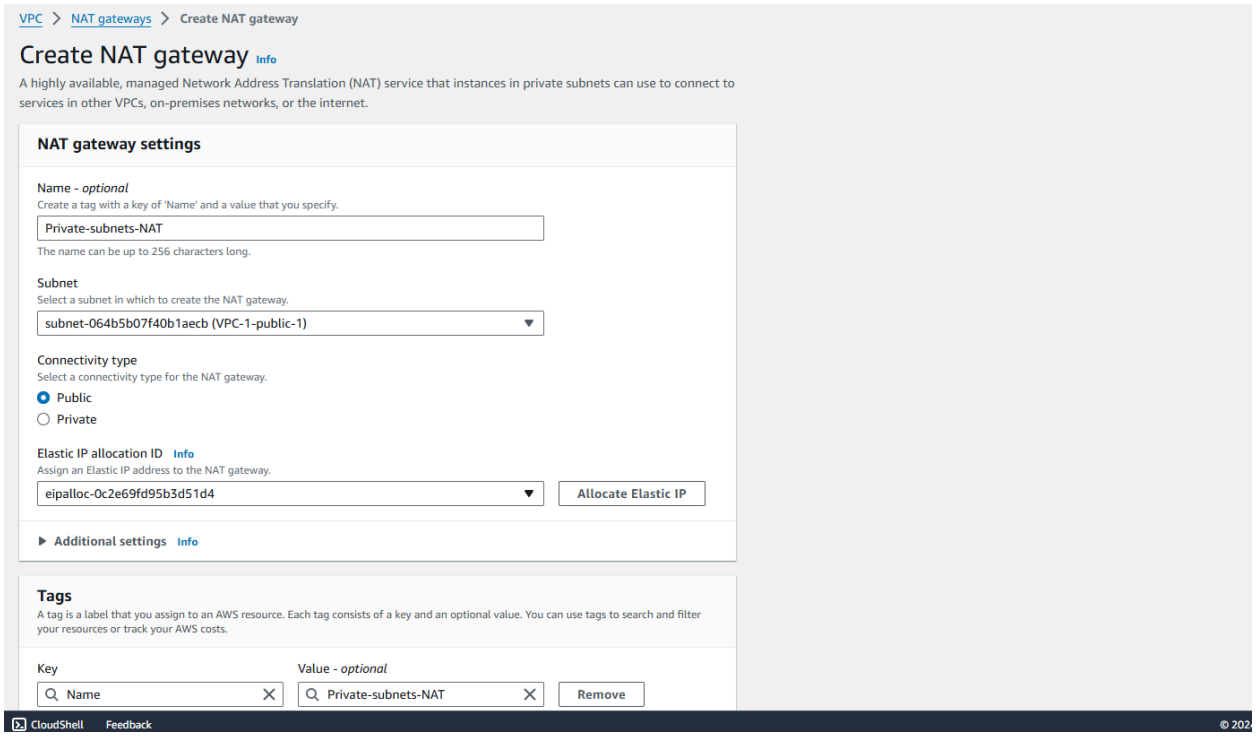


20-Like add Remaing two tables add private into private subnets and DB into DB subnets

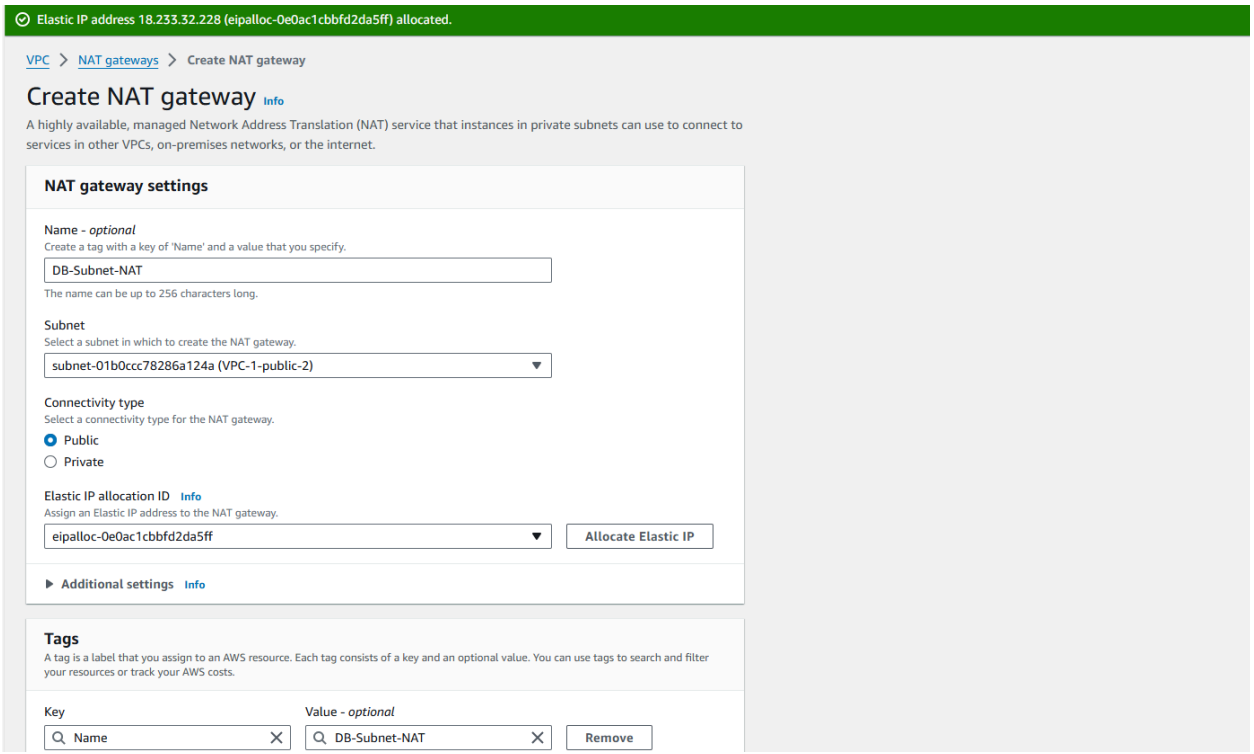
21-Select the VPC-1-Public select the click on route add intent gateway



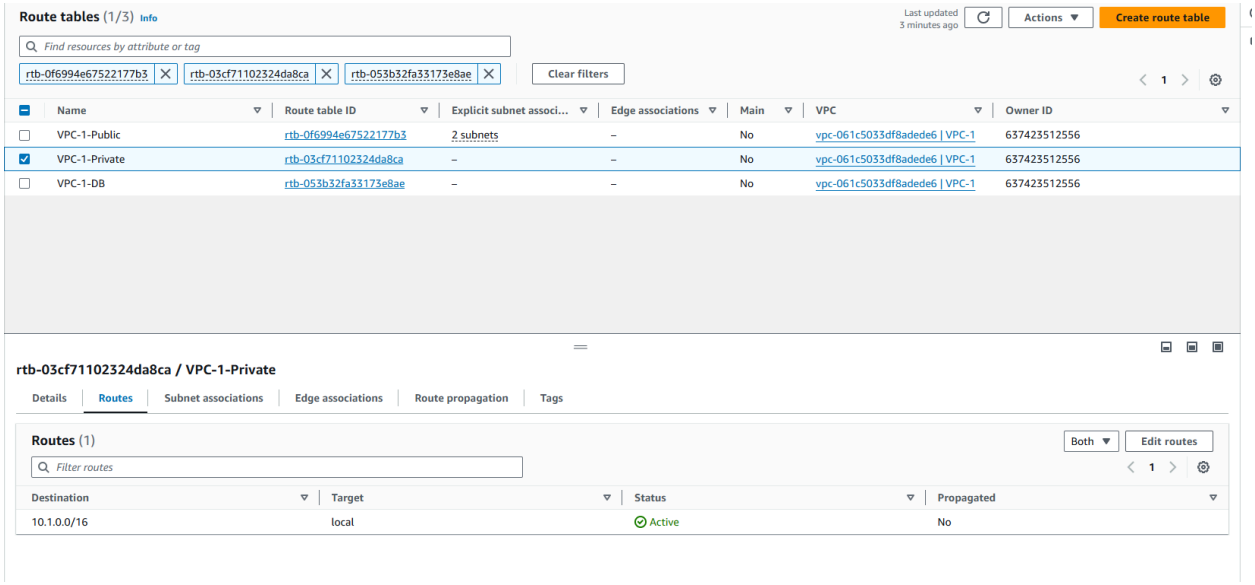
21-Create Two Nat-Gateways

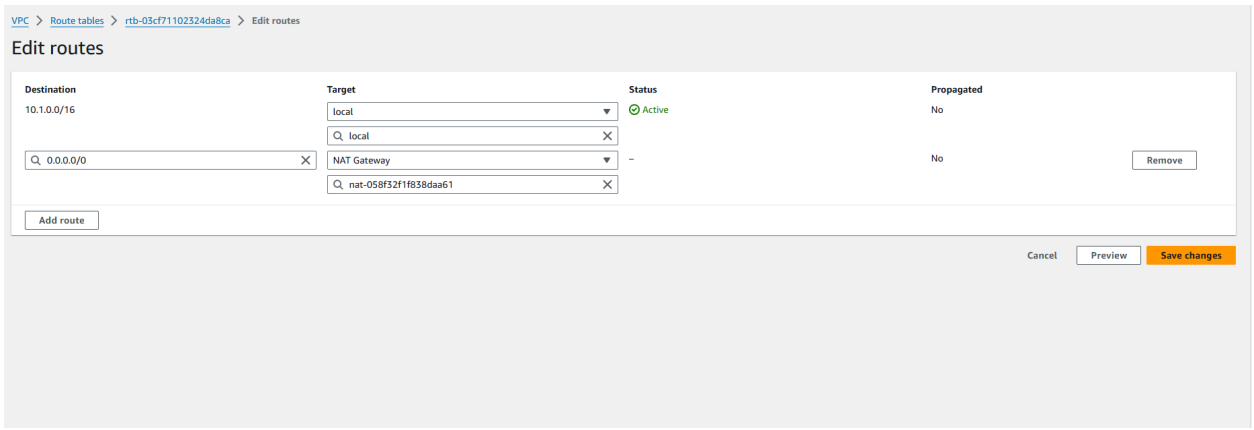


22-Like one more Create

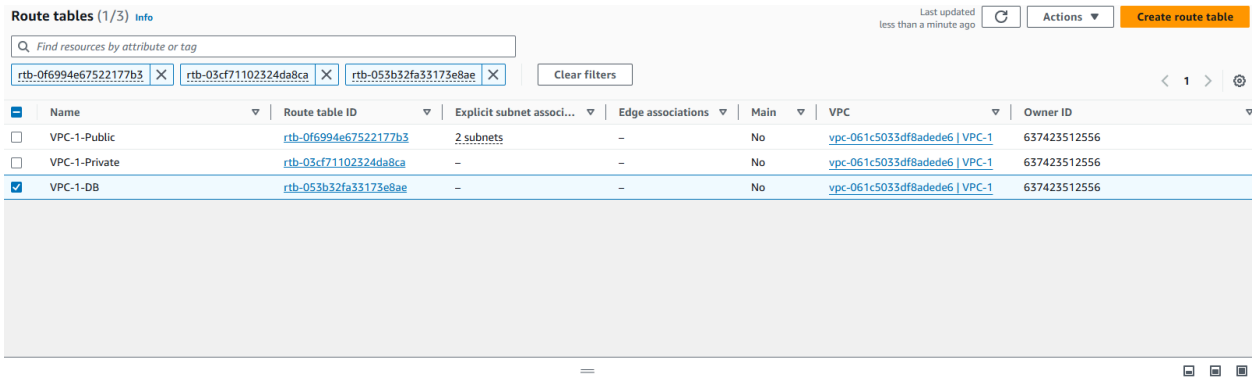


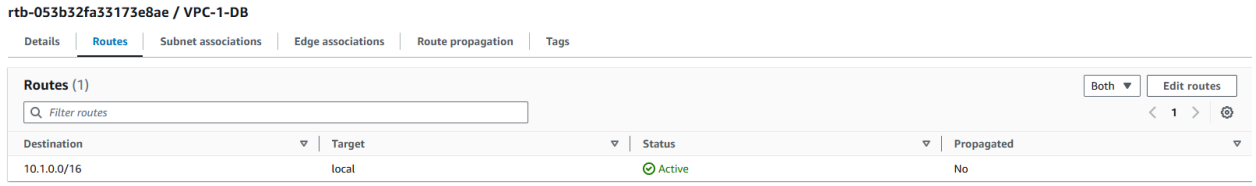
23-Click on VPC-1-Private Seletc the Route add NAt-Gateway Private-Subnet-NAT

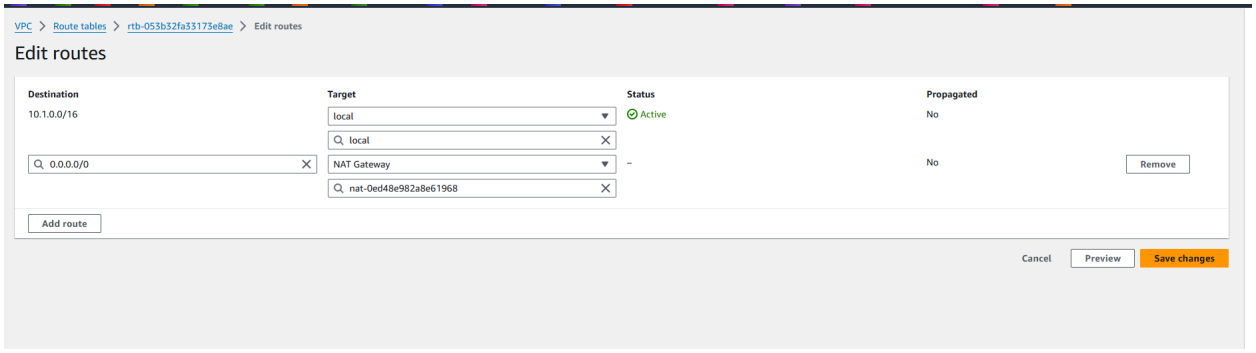




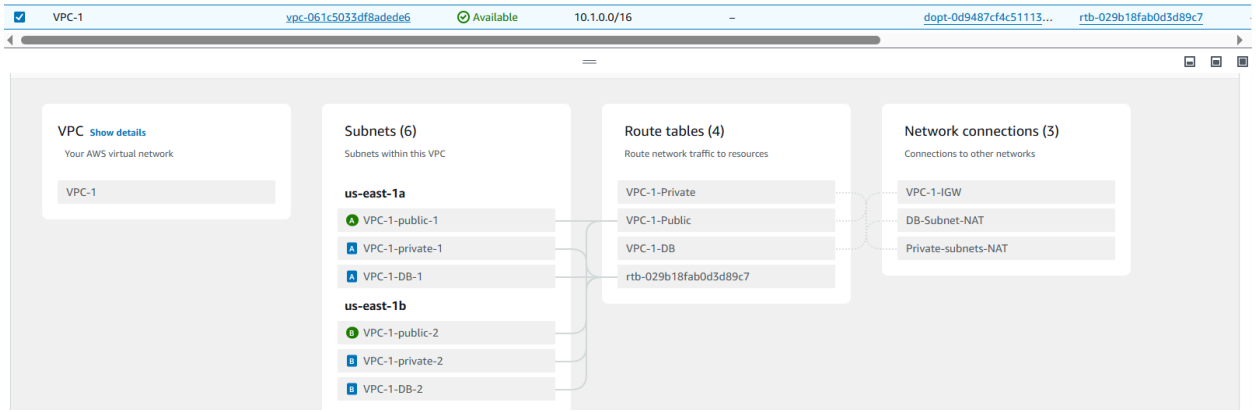
23-Like VPC-1-DB click on Route add DB-Subnet-NAT







Now you can see the Full VPC Diagram



If you want Public IP whenever you want to launch the server you can select the subnets do this