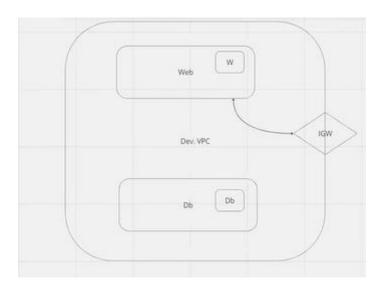
# **Development Network:**

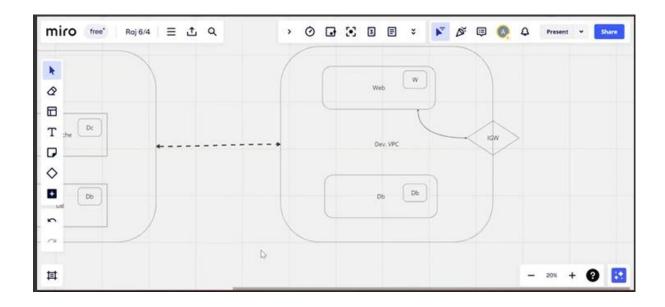
1. Design and build 2-tier architecture with two subnets named web and db and launch instances in both subnets and name them as per the subnet

### names.

1. Make sure only the web subnet can send internet requests.



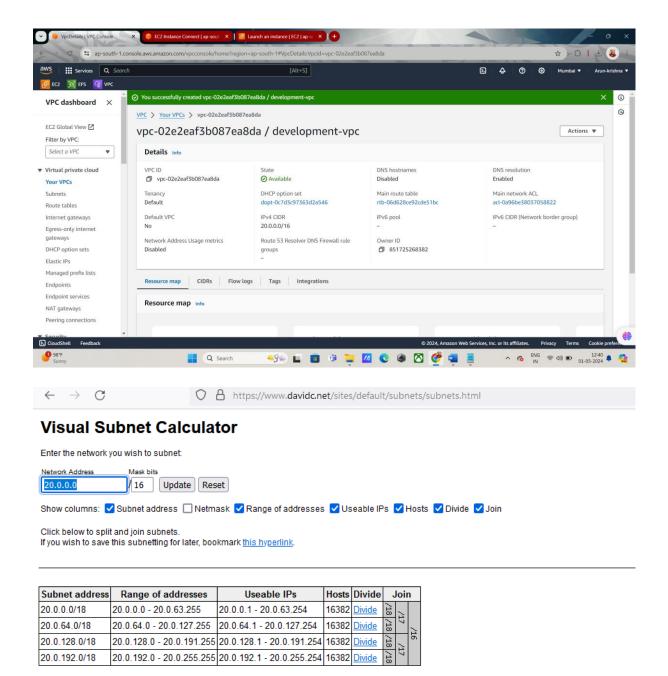
3. Create peering connection between production network and development network.



4. Setup connection between db subnets of both production network and development network respectively.

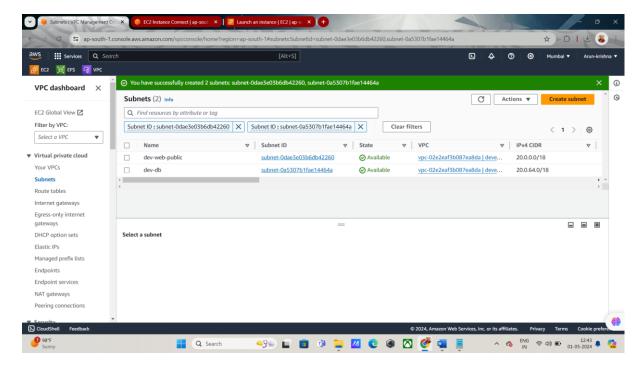
Pls add the ICMP protocol in both db subnets to get the db connectivity.

### Now Go to VPC and Create VPC for the Development Network

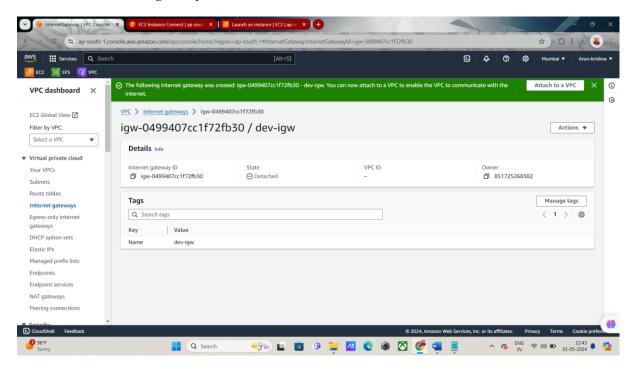


User different CIDR for the peering connection to to avoid overlapping

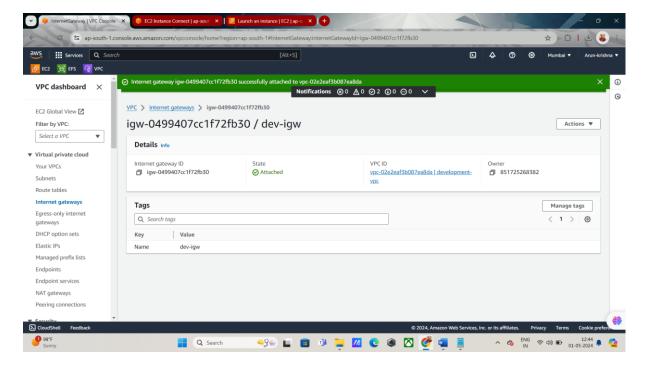
Now go to subnet and create web public subnet and db private subnet



Now create the Internet gateway

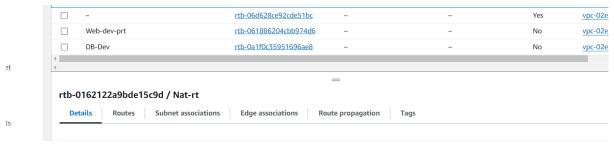


Now attach it to DEV VPC



Now we need to create the two Route table one for web and one for db private subnet

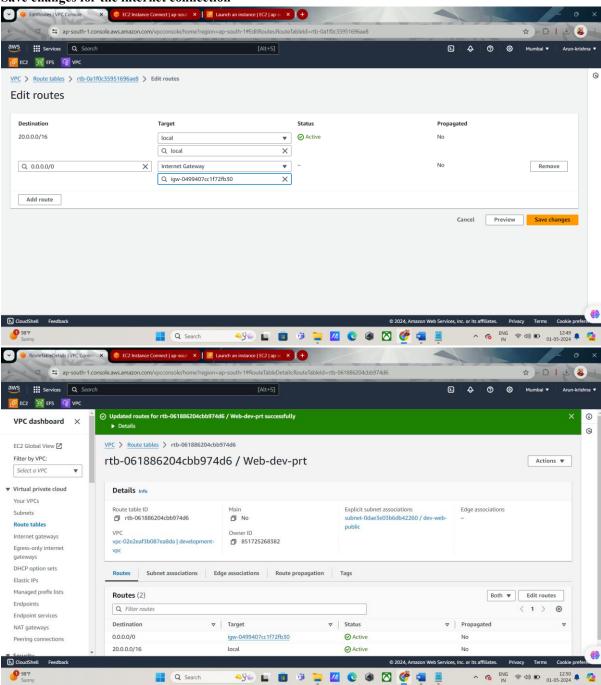
### Web RT and Db Rt



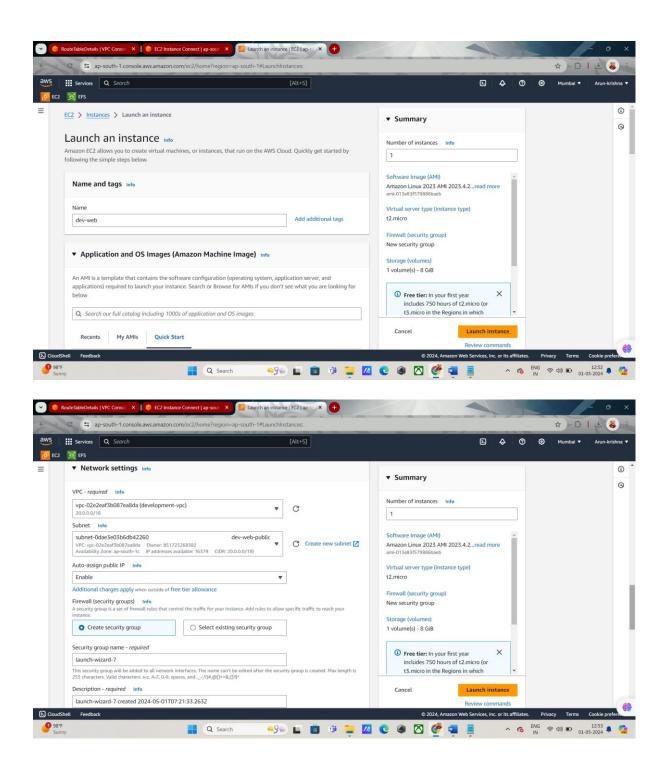
Now go to web RT and Db Rt add the assciaotion

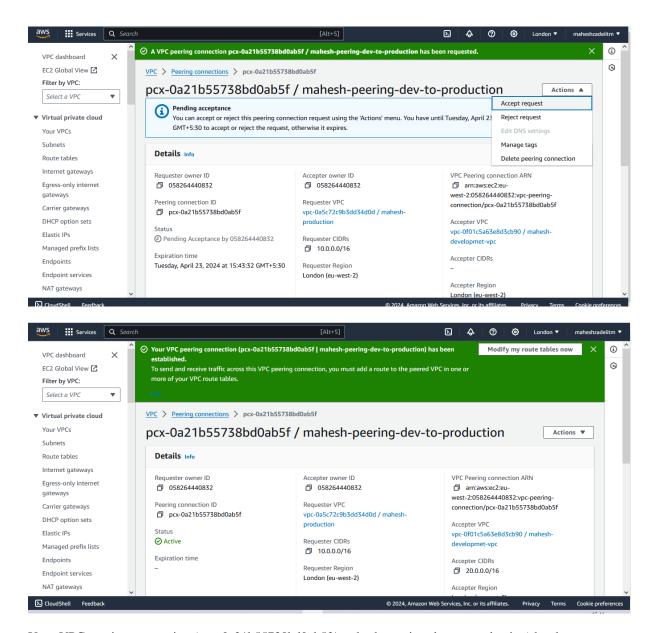
Now go to edit route

Save changes for the internet connection



Now Lauch the two EC2 Instacne in web and db subnet of Dev VPC Launch the web instance

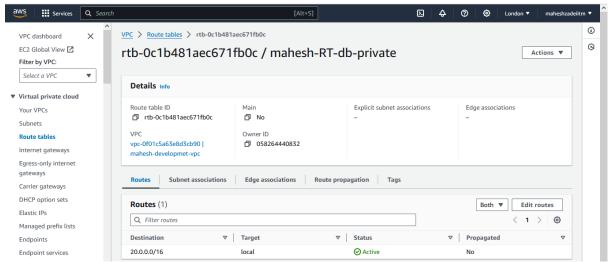




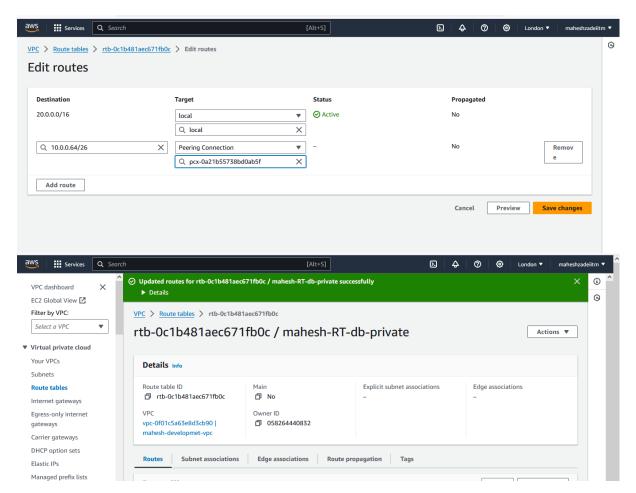
Your VPC peering connection (pcx- $0a21b55738bd0ab5f \mid mahesh-peering-dev-to-production)$  has been established.

To send and receive traffic across this VPC peering connection, you must add a route to the peered VPC in one or more of your VPC route tables.

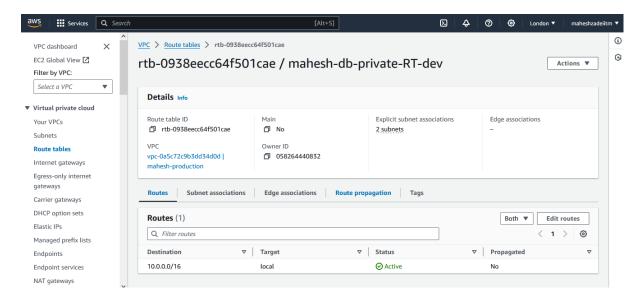
Now go to private RT of production VPC



Go to dev priate subnet and take the CIDR and go to Route table and add the CIDR and perring the connection only between the two private subnets

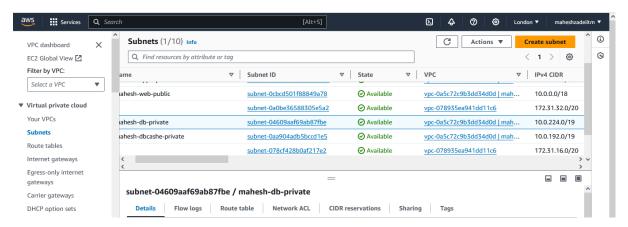


Similarly repeat the process for development private RT



#### **Edit route**

## Go to production subnet route table and copy the CIDR



Copy the CIDR 10.0.224.0/19

10.0.0.0/16 prod CIDR

20.0.0.0/16 dev CID