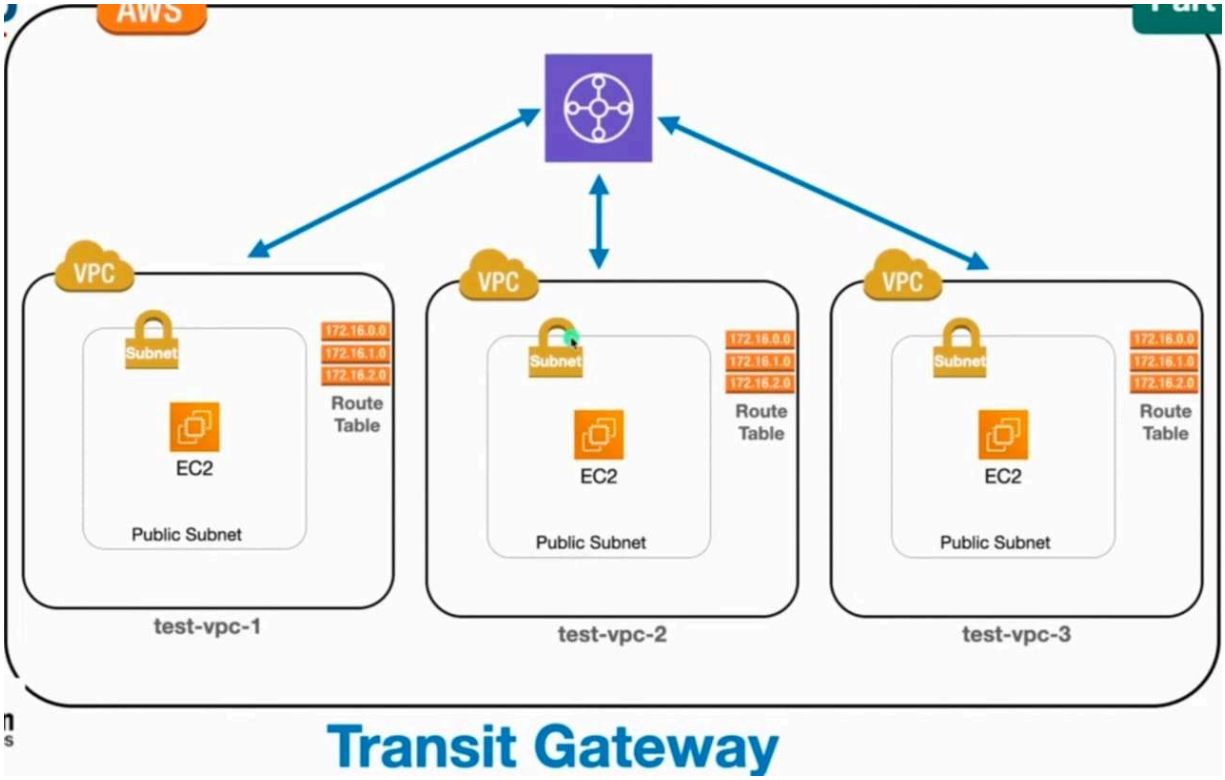
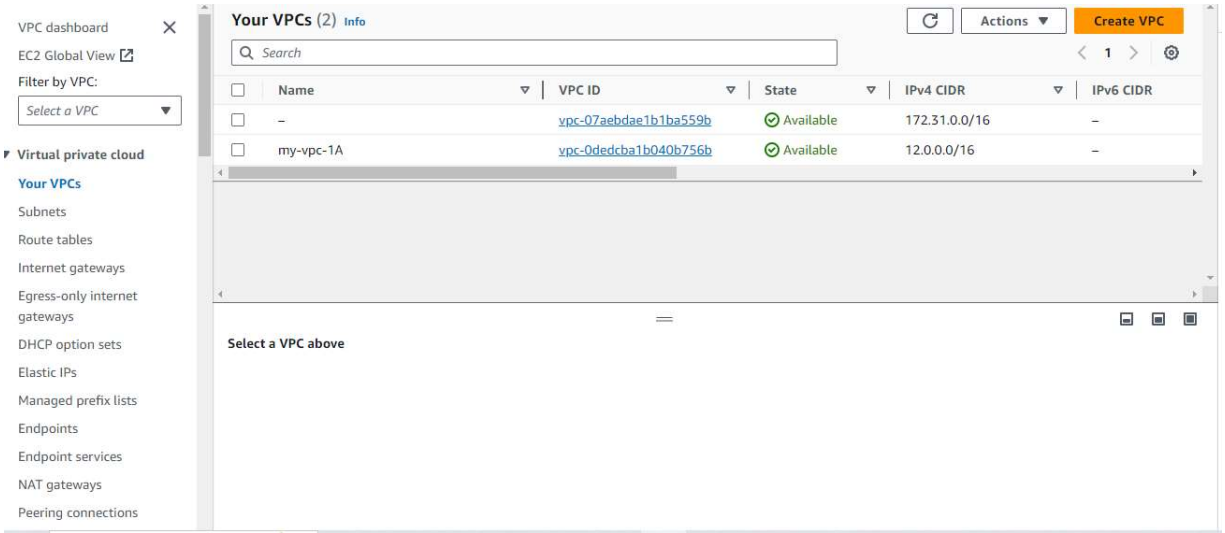
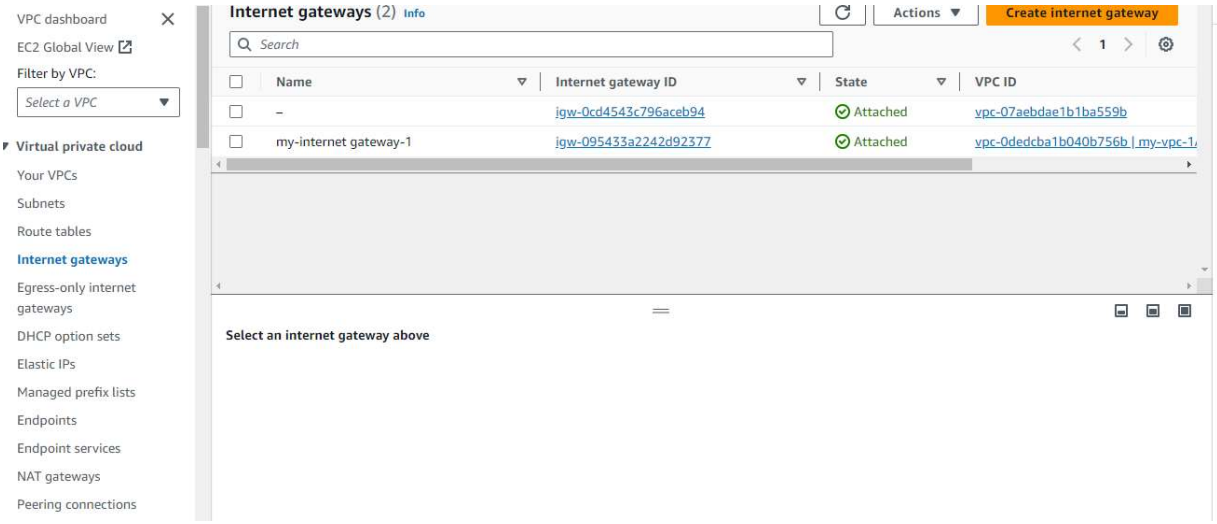
CREATING 3 VPC'S AND CONNECTING TO TRANSIT GATEWAY



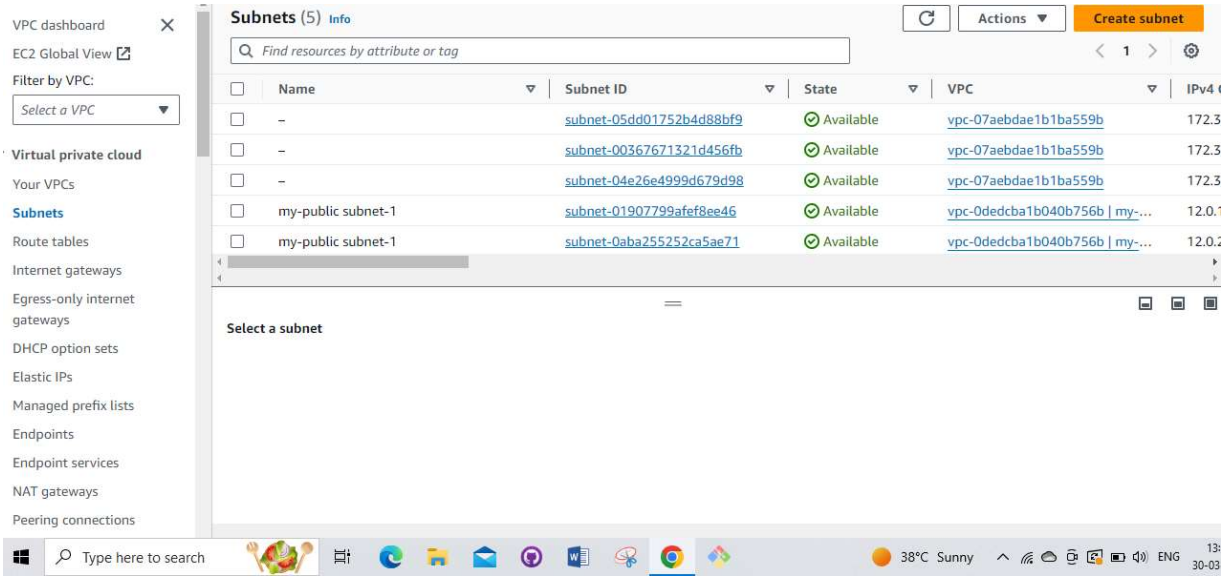
Step 1 : First we have to create a vpc (my-vpc-1A) .



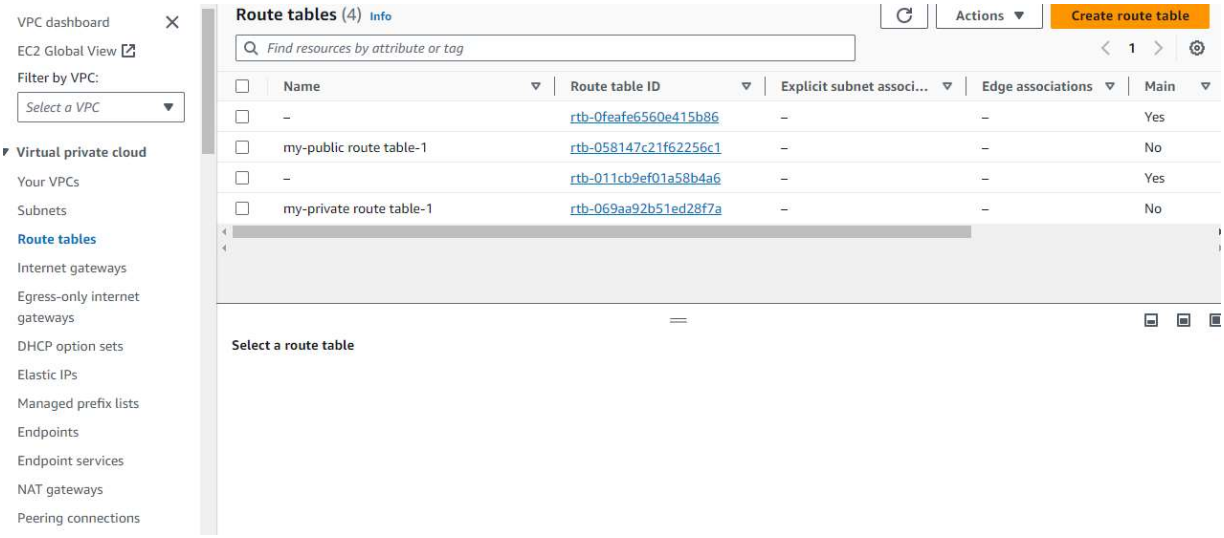
Step 2 : Now create an internet gateway and attach to vpc (my-vpc-1A) .



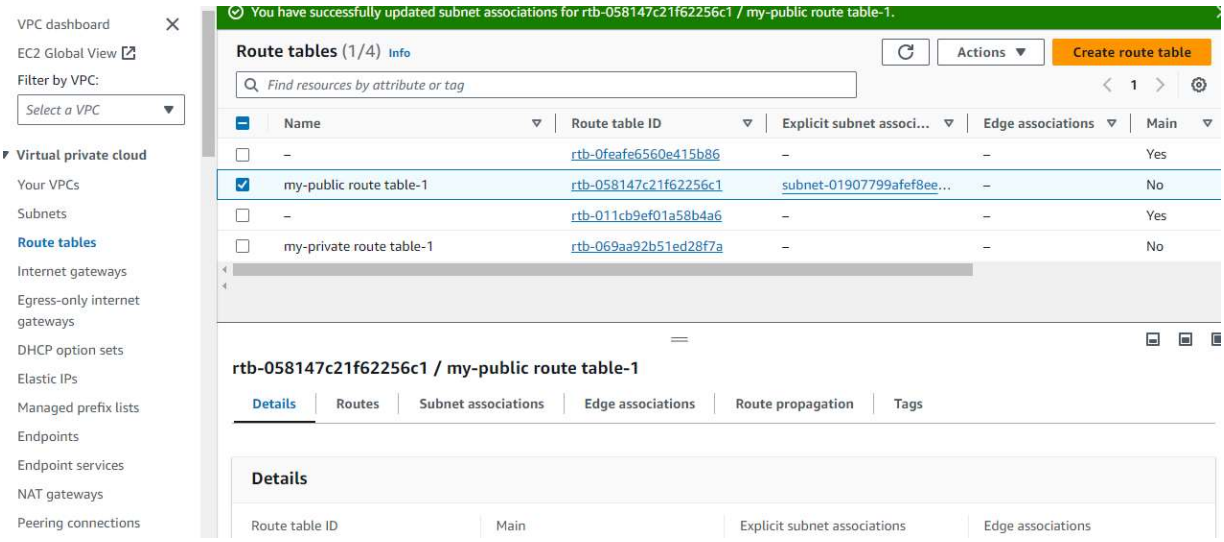
Step 3 : Now create two subnets (my-public subnet-1,my-private subnet-1) .



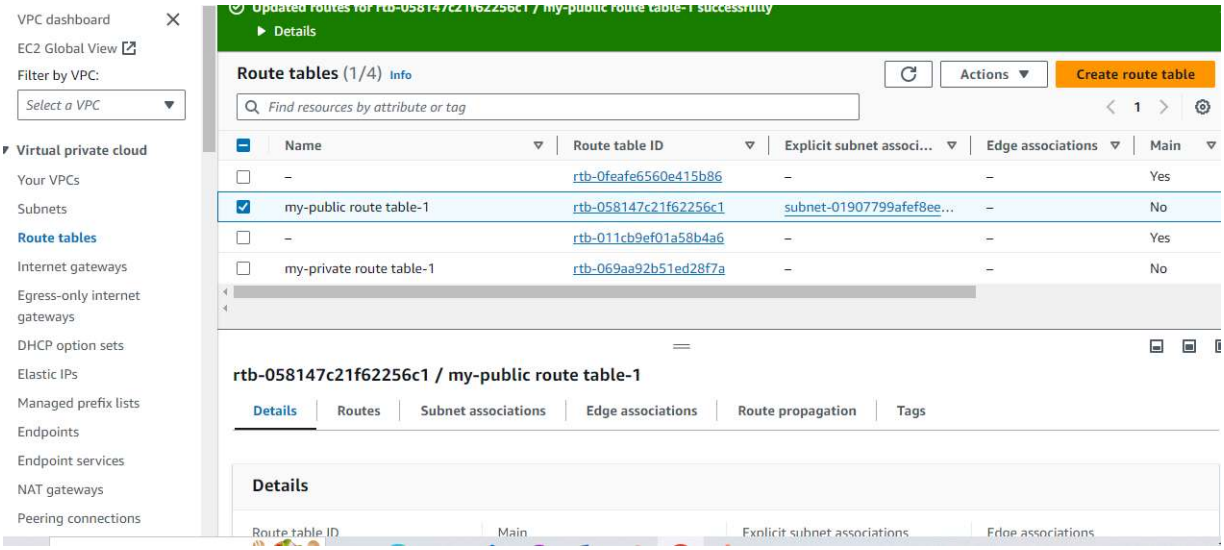
Step 4 : Now create two route tables (my-public route table-1,my-private route table-1) .



Step 5 : Now connect router tables to subnets for configure routing ,
– (my-public subnet-1 to my-public route table-1) and click on save association .



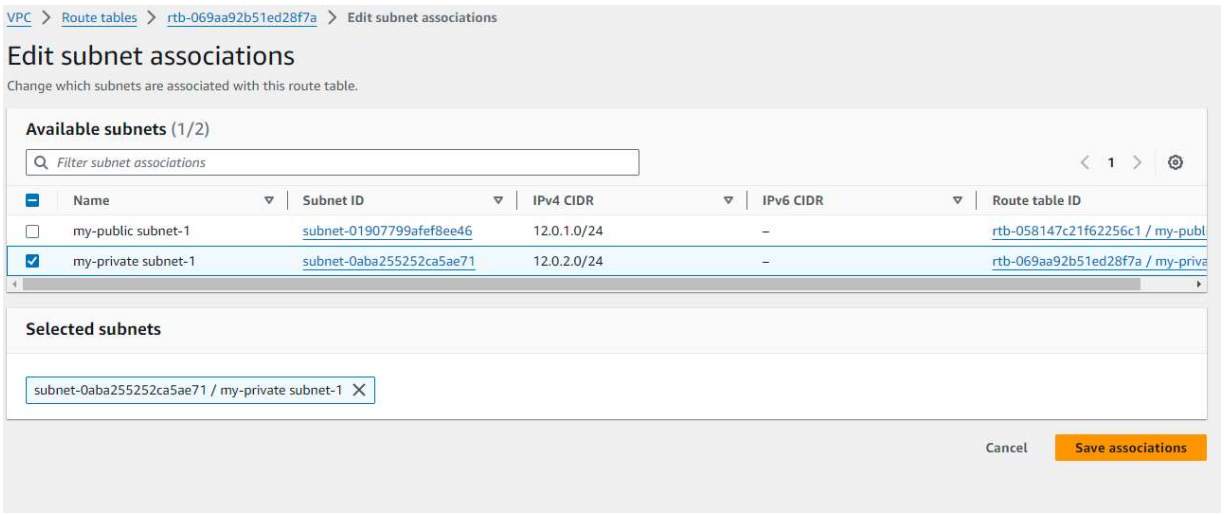
Step 6 : Now attach the public route table to the internet gateway for accessing the internet connection for the public subnet .



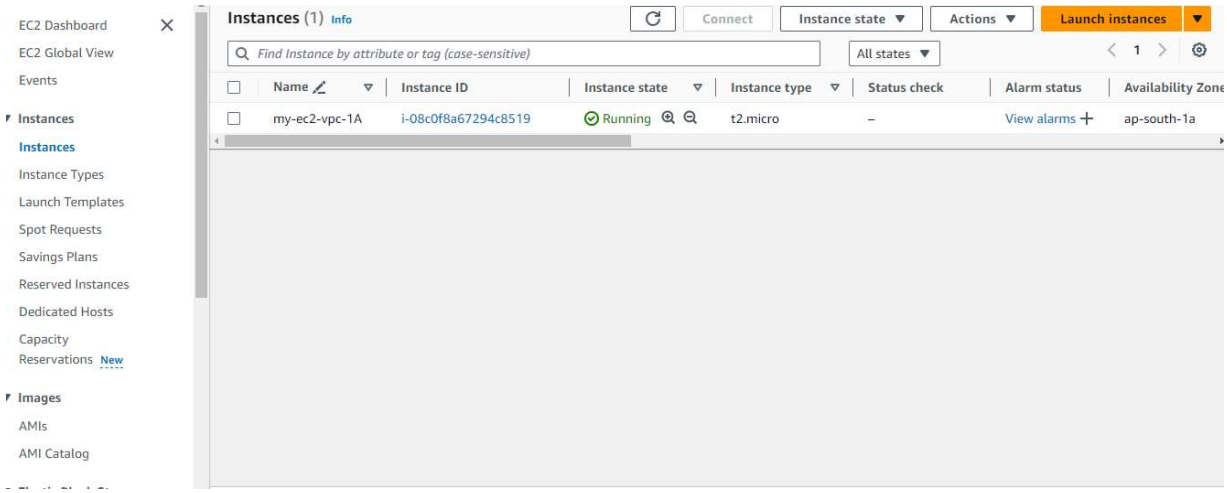
Step 7 : Now connect router tables to subnets for configure routing ,

– (my-private subnet-1 to my-private route table-1) and click on save association .

NOTE : NO INTERNET CONNECTION FOR PRIVATE SUBNET .

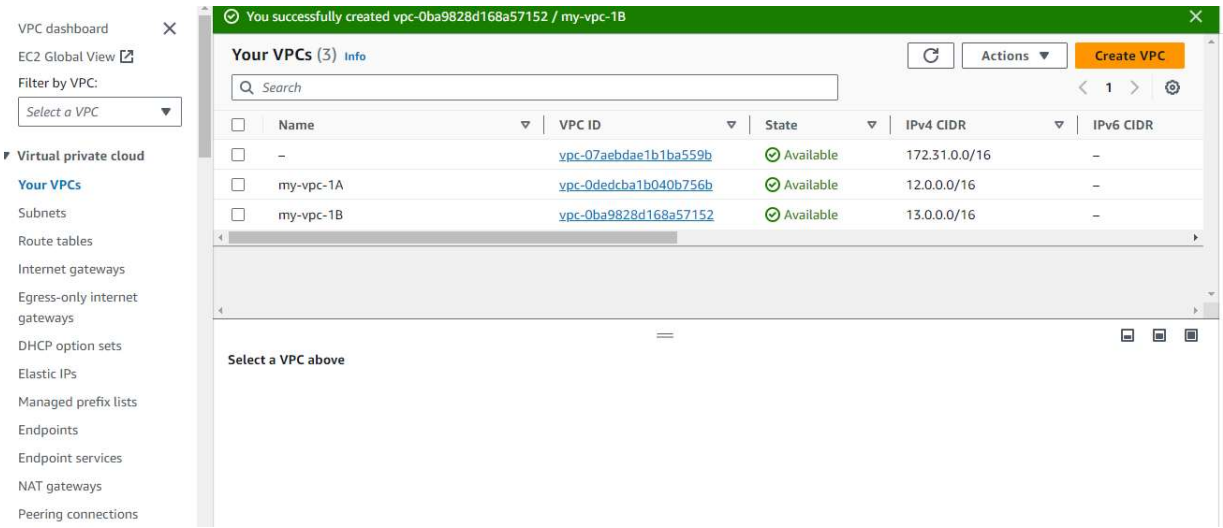


Step 8 : Now create an ec2 instance and attach to vpc (my-vpc-1A) .

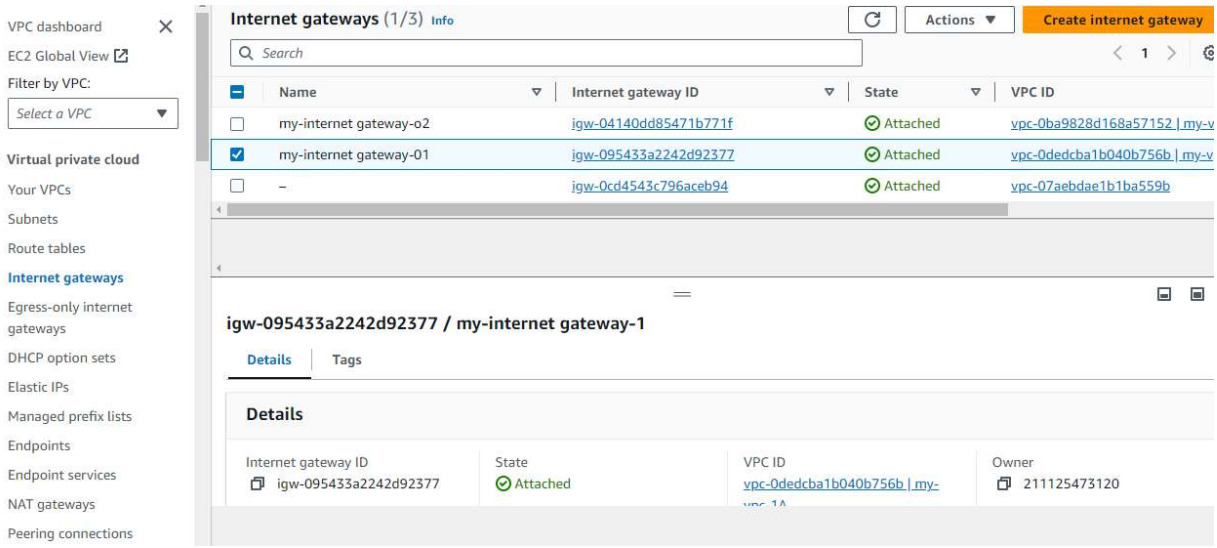


NOW CREATE ANOTHER TWO VPC'S AND ATTACH TO INSTANCES .

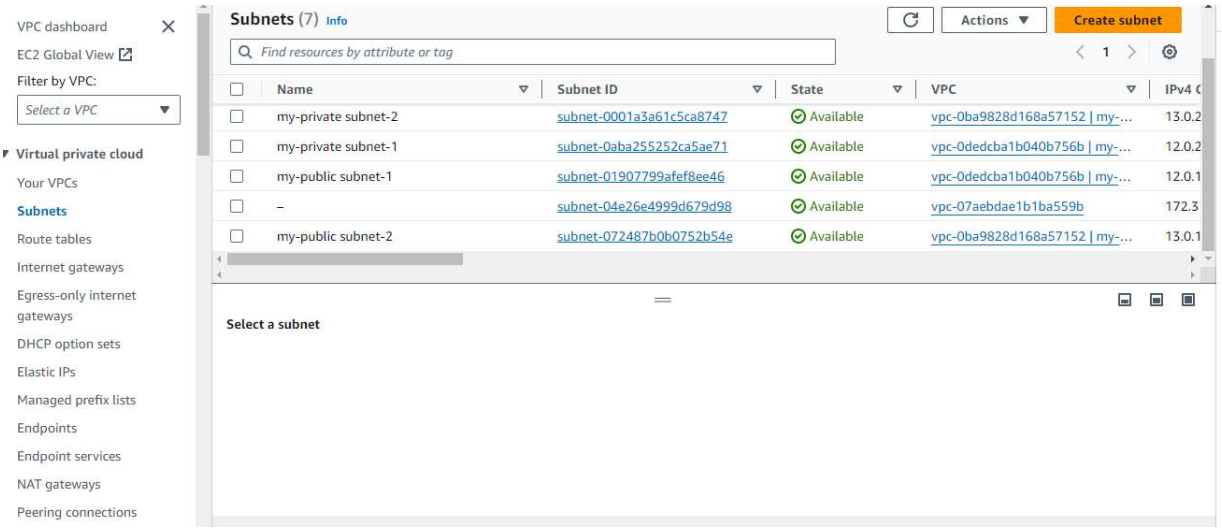
- Step 1 : First we have to create a vpc (my-vpc-1B) .



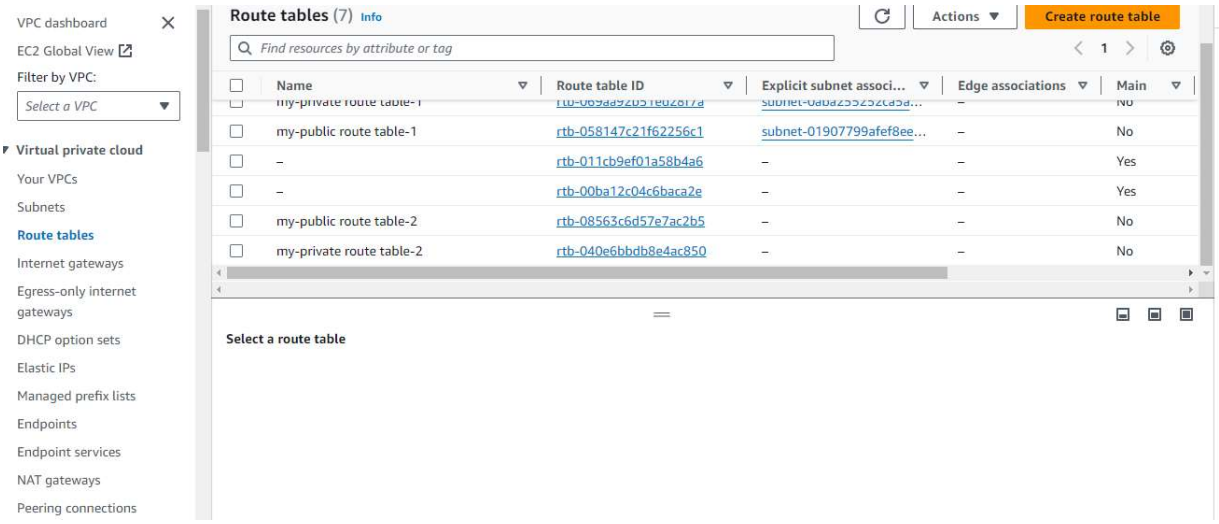
- Step 2 : Now create an internet gateway and attach to vpc (my-vpc-1B) .



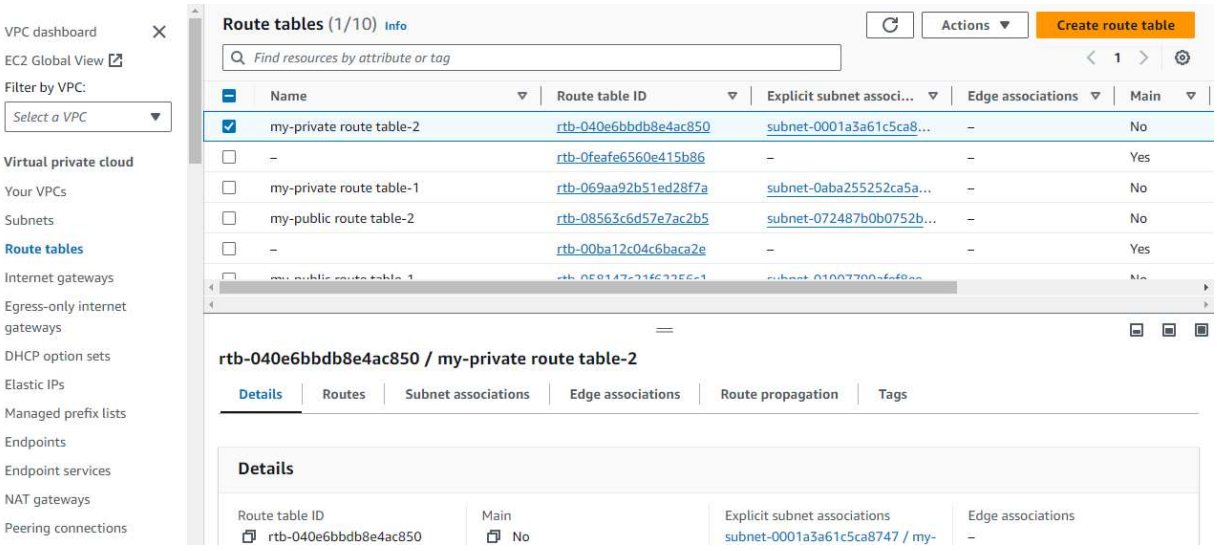
- Step 3 : Now create two subnets (my-public subnet-2,my-private subnet-2) .



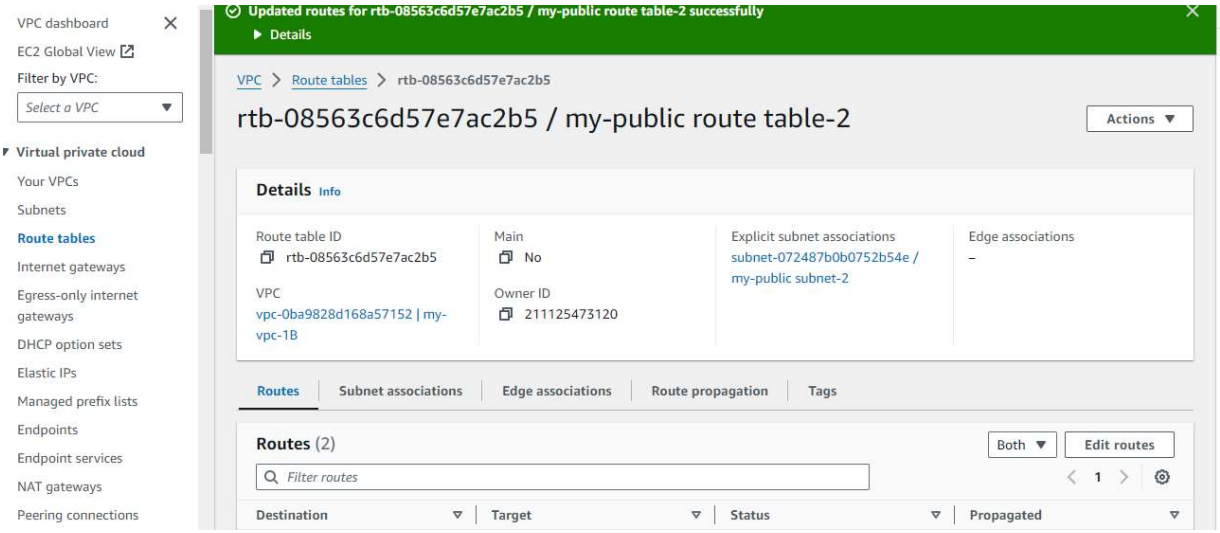
- Step 4 : Now create two route tables (my-public route table-2,my-private route table-2) .



- Step 5 : Now connect router tables to subnets for configure routing ,
  – (my-public subnet-2 to my-public route table-2) and click on save association .

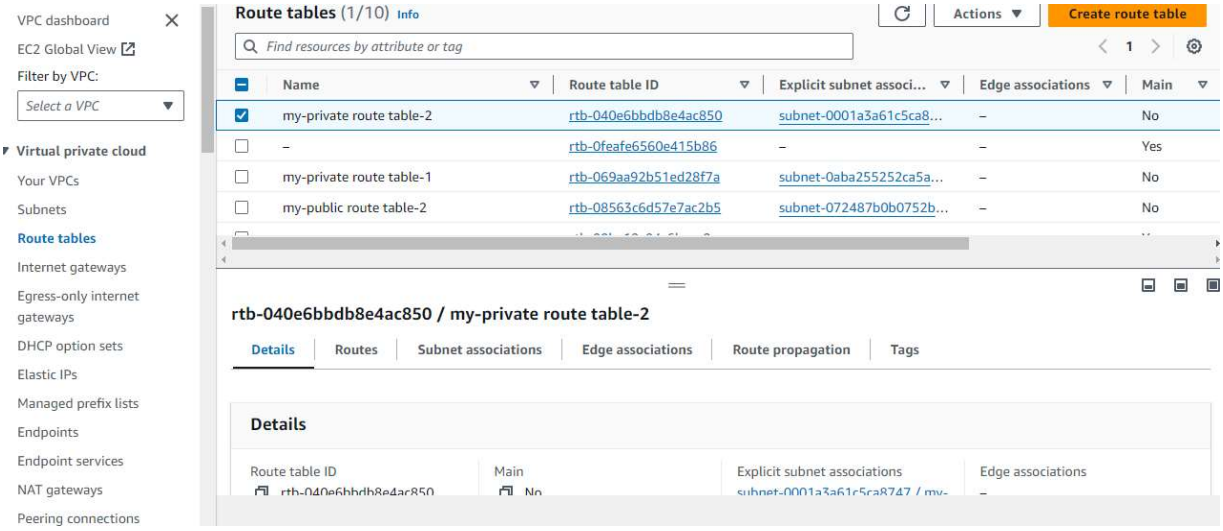


- Step 6 : Now attach the public route table to the internet gateway for accessing the internet connection for the public subnet .

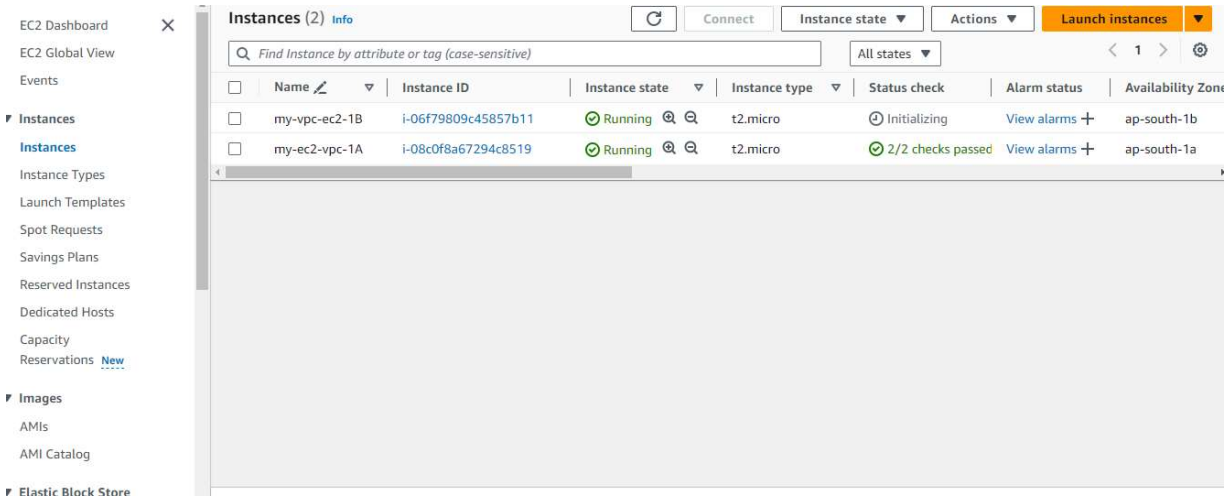


- Step 7 : Now connect router tables to subnets for configure routing ,
  – (my-private subnet-2 to my-private route table-2) and click on save association .

NOTE : NO INTERNET CONNECTION FOR PRIVATE SUBNET

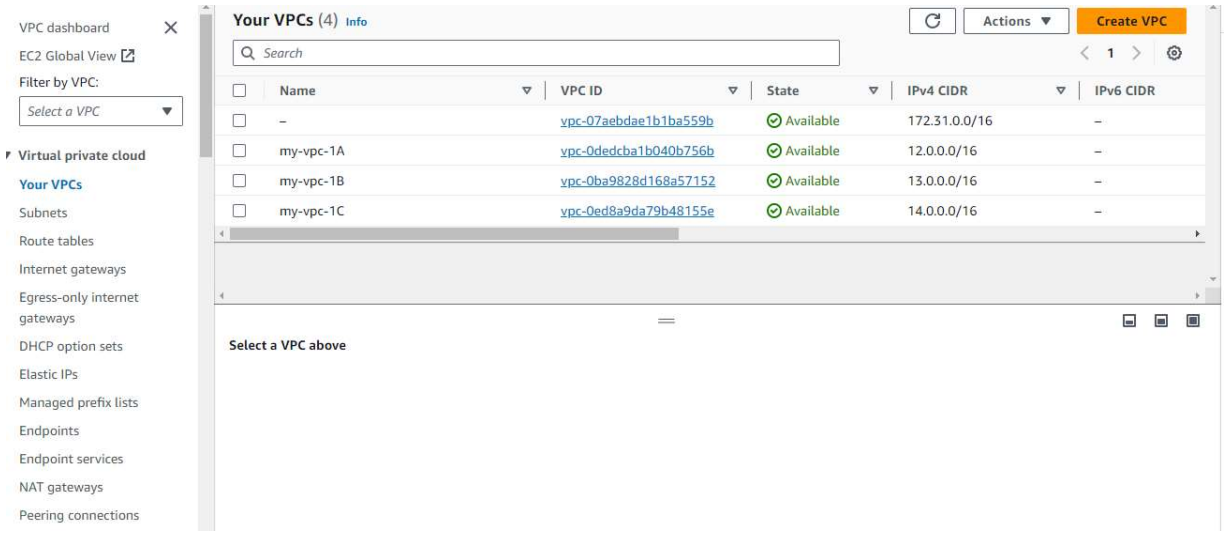


- Step 8 : Now create an ec2 instance and attach to vpc (my-vpc-1B) .

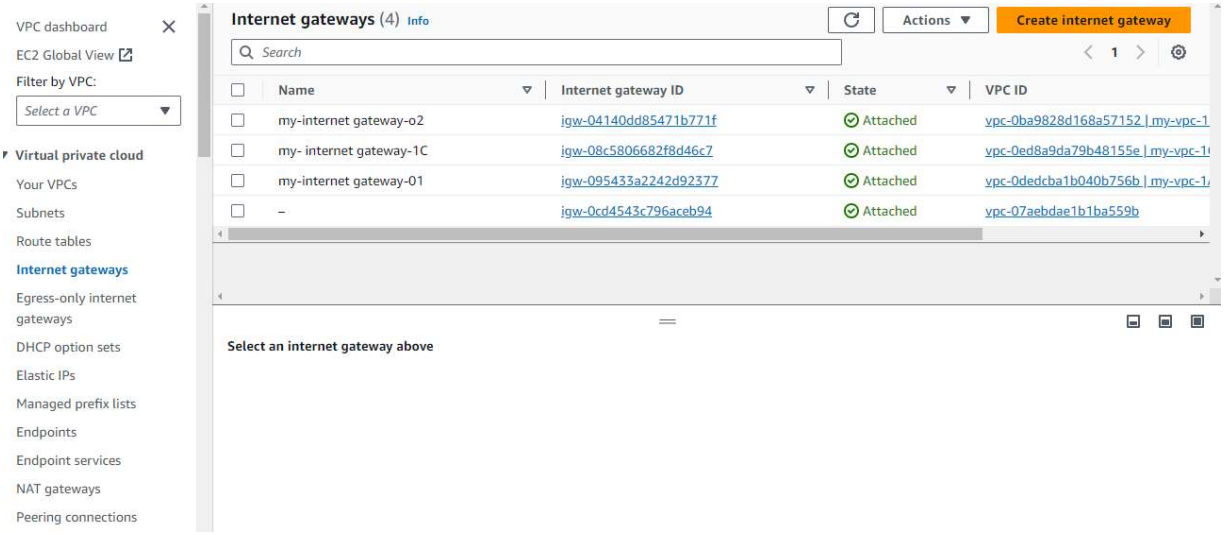


NOW CREATE ANOTHER VPC AND ATTACH TO THE INSTANCE.

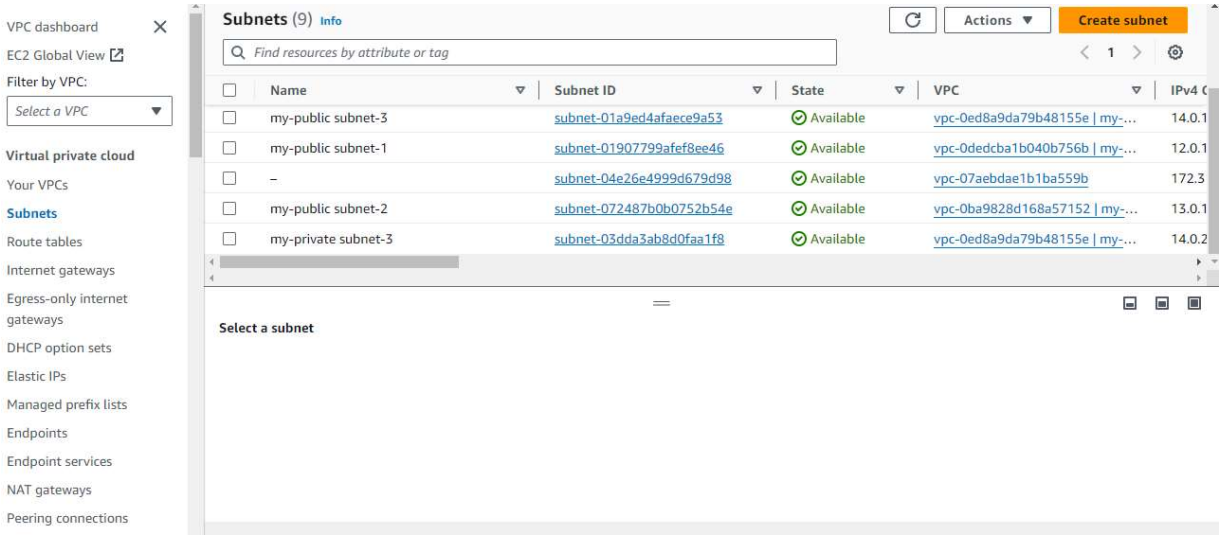
>> Step 1 : First we have to create a vpc (my-vpc-1A) .



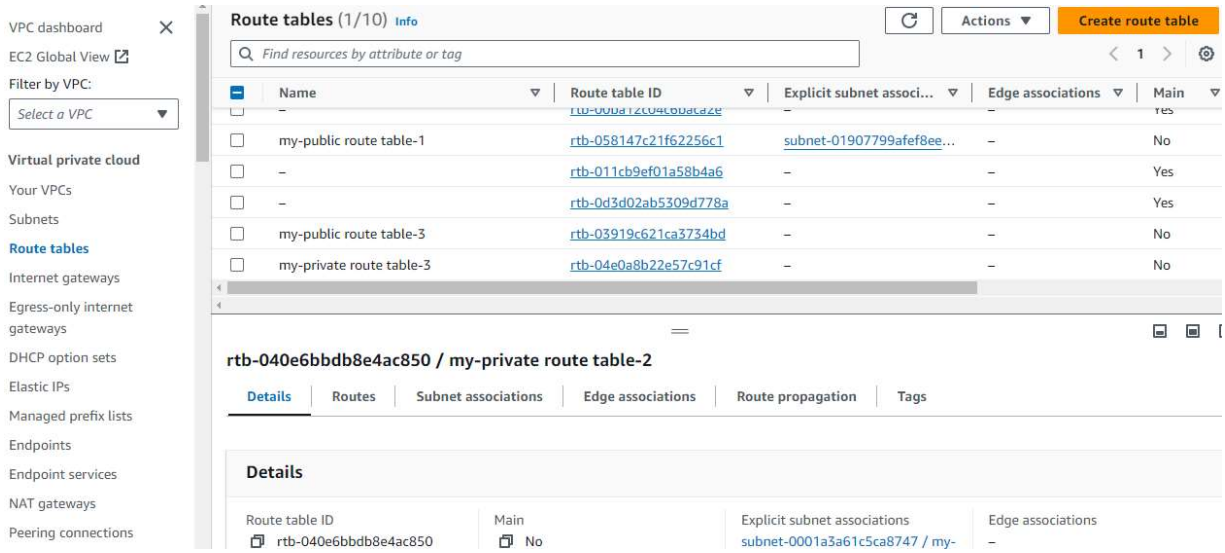
>> Step 2 : Now create an internet gateway and attach to vpc (my-vpc-1B) .



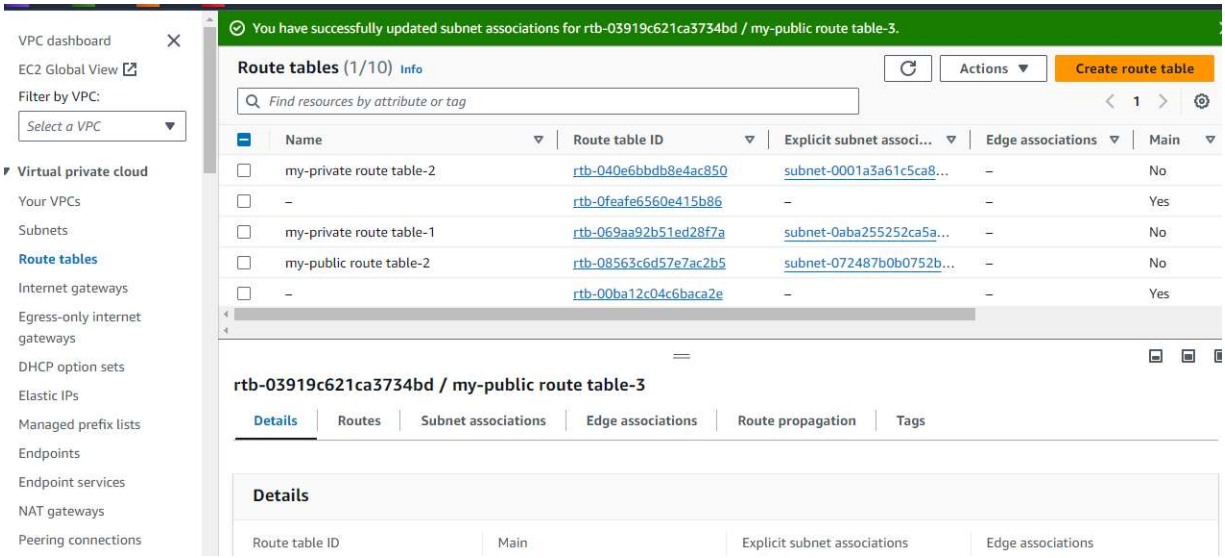
>> Step 3 : Now create two subnets (my-public subnet-3,my-private subnet-3) .



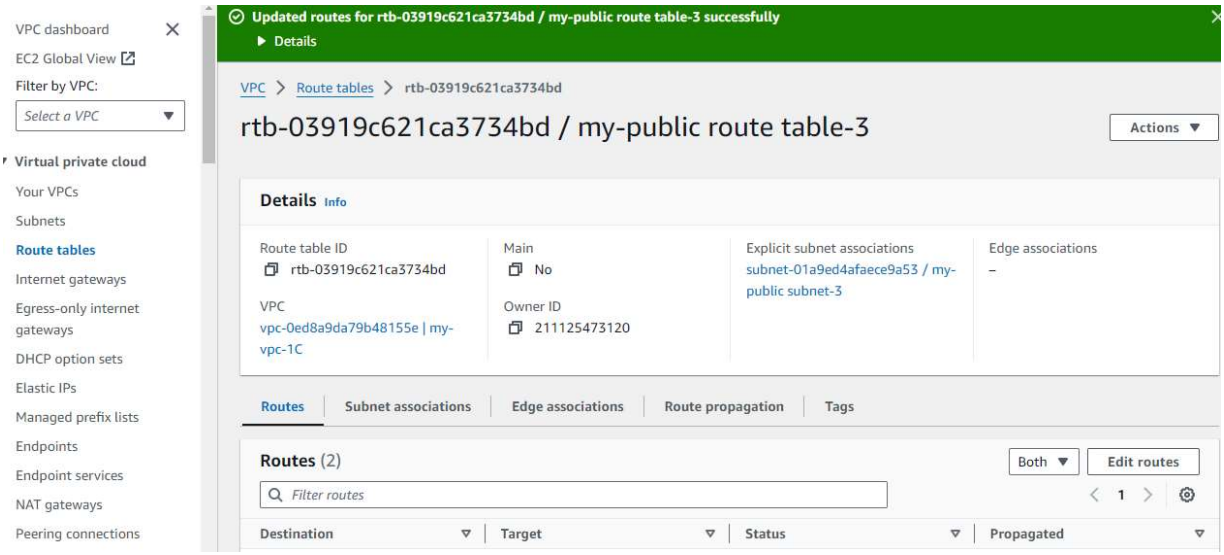
>> Step 4 : Now create two route tables (my-public route table-3,my-private route table-3) .



>> Step 5 : Now connect router tables to subnets for configure routing ,
– (my-public subnet-3 to my-public route table-3) and click on save association .

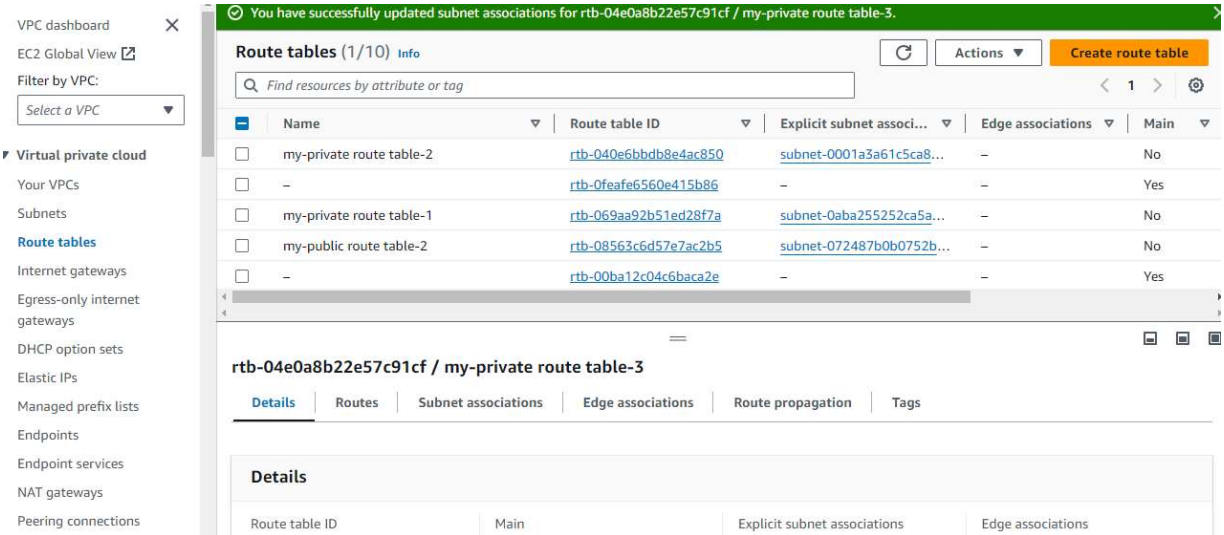


>> Step 6 : Now attach the public route table to the internet gateway for accessing the internet connection for the public subnet .

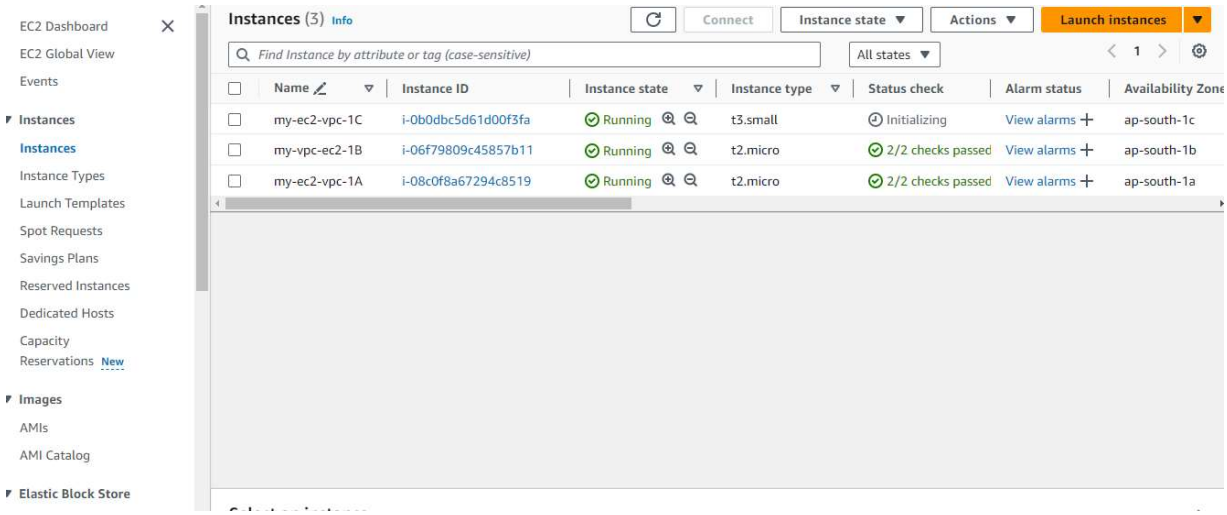


>> Step 7 : Now connect router tables to subnets for configure routing ,
– (my-private subnet-3 to my-private route table-3) and click on save association .

NOTE : NO INTERNET CONNECTION FOR PRIVATE SUBNET .



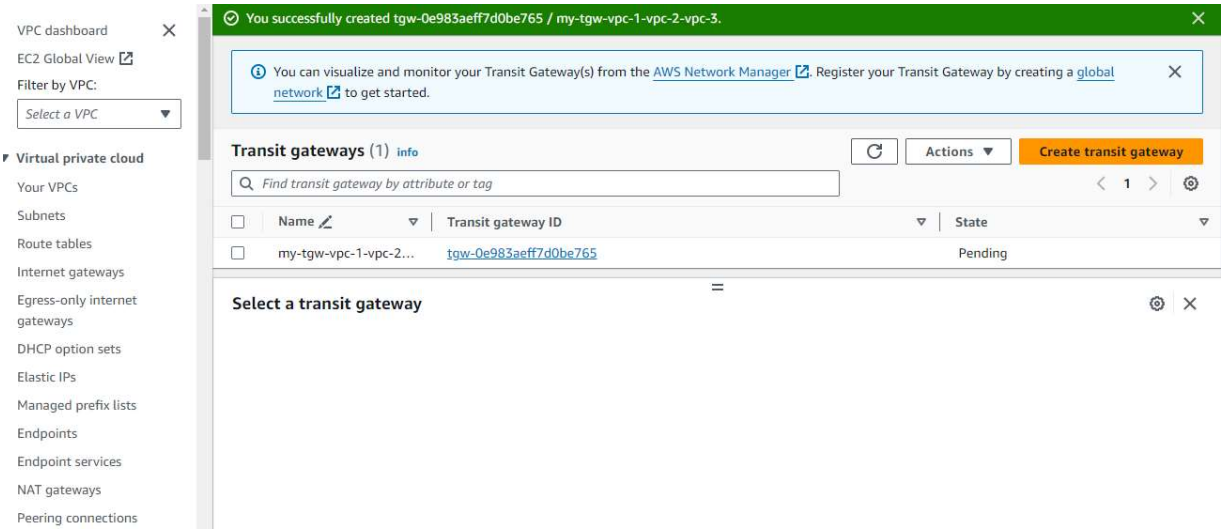
>> Step 8 : Now create an ec2 instance and attach to vpc (my-vpc-1C) .



After creating vpc's and connecting them to instances, connect them to the transit gateway .

TRANSIT GATEWAY

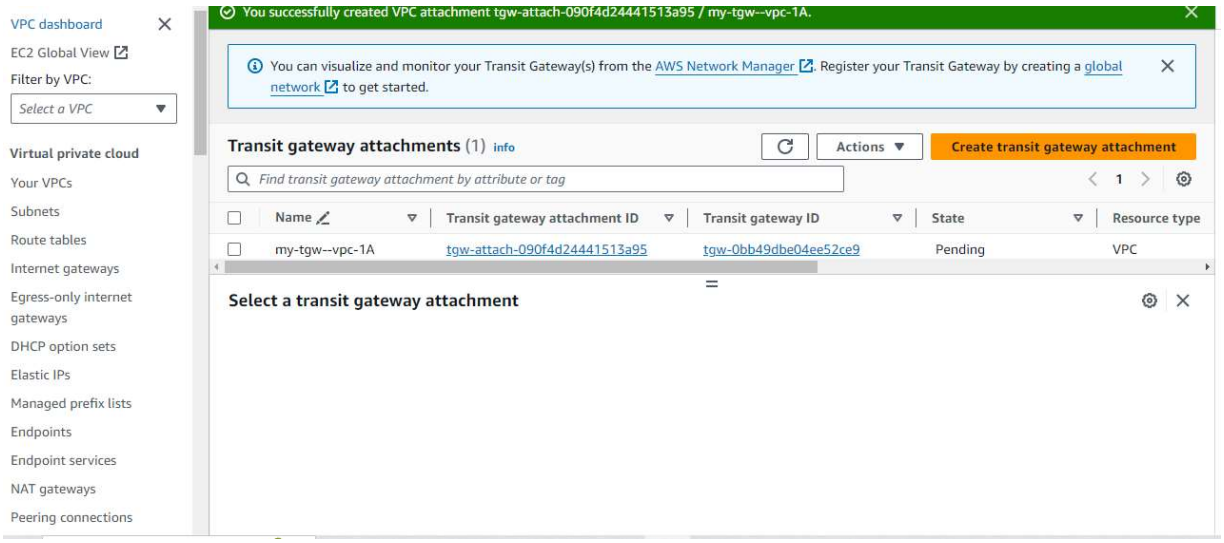
Step 1 : Create a transit gateway .



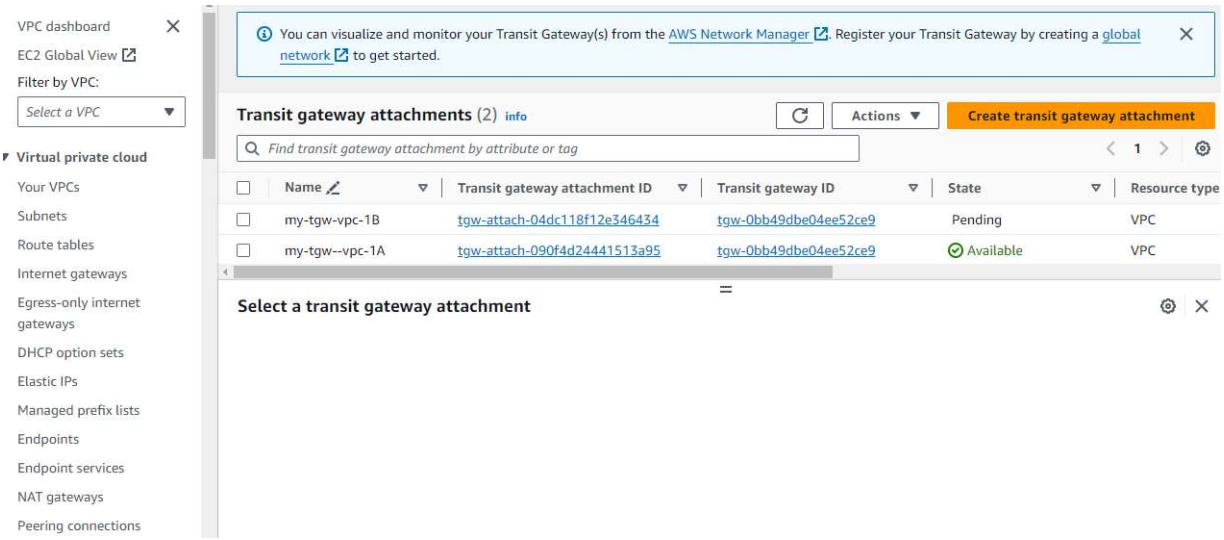
After creating the transit gateway attach all created vpc’s to the transit gateway .

Step 2 : Connecting attachments.

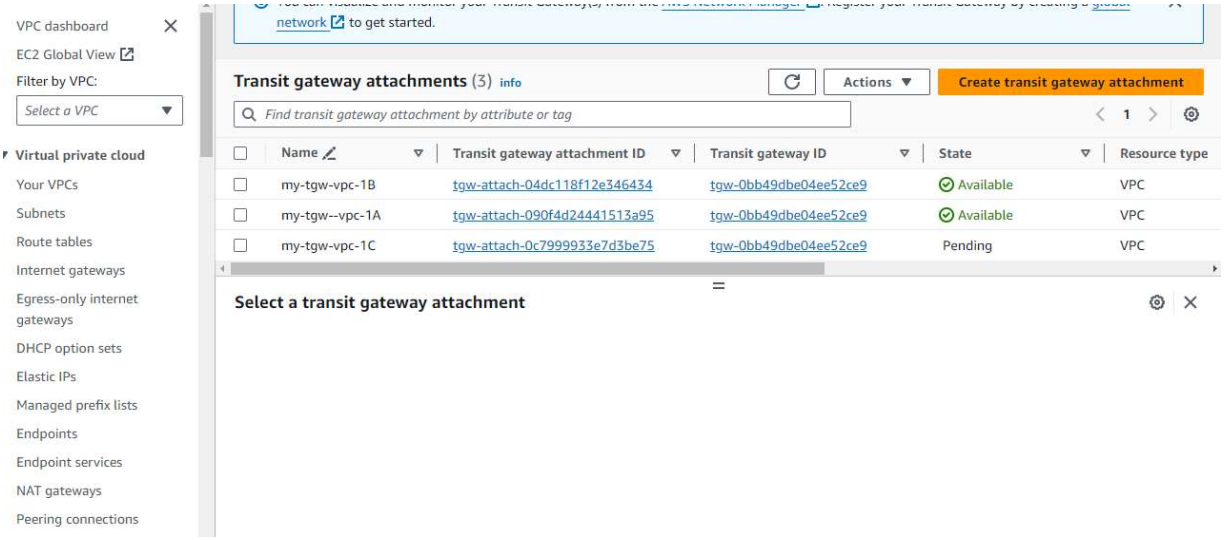
—-- Creating transit gateway attachment for vpc (my-vpc-1A)



—- Creating transit gateway attachment for vpc (my-vpc-1B)



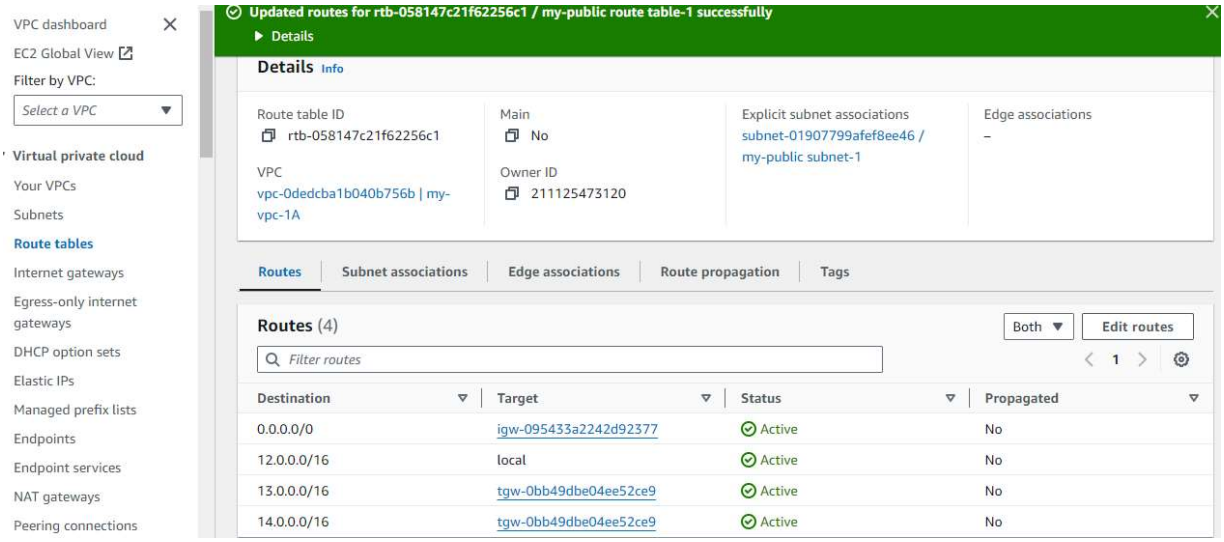
—- Creating transit gateway attachment for vpc (my-vpc-1C)



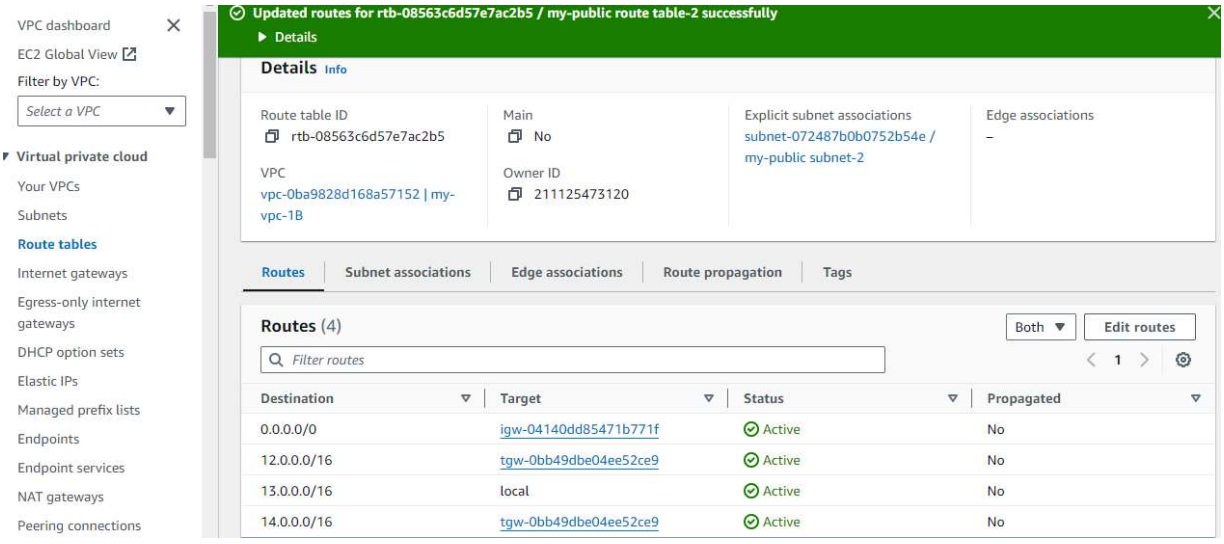
UPDATE ROUTE TABLES

By updating , our subnets will know how to route the request to the transit gateway through this we can also communicate with the other vpc’s .

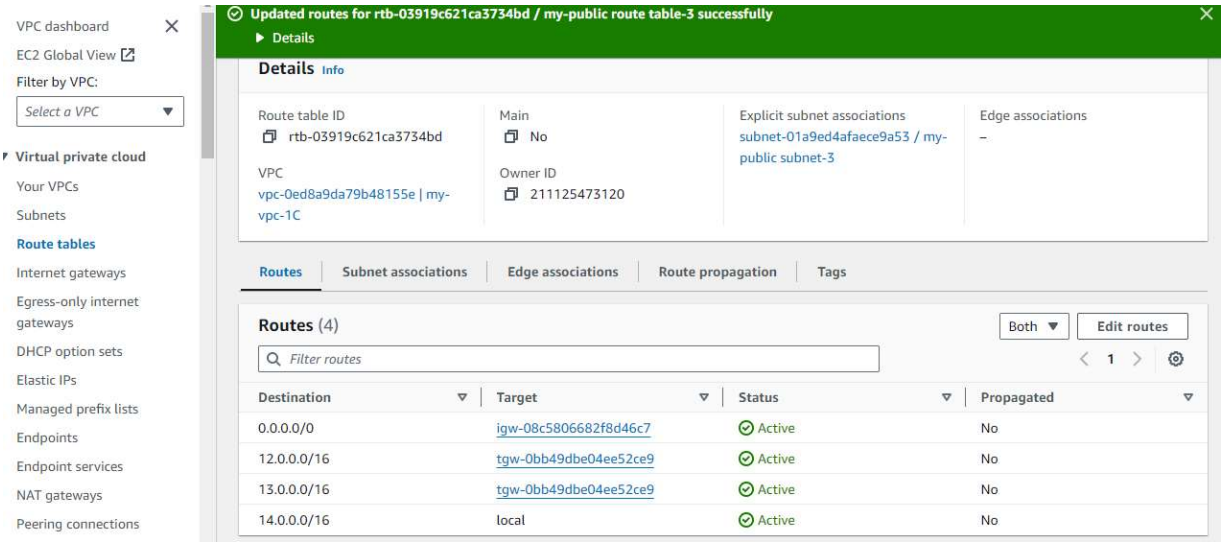
Step 1 : Now we are fixing the connection between vpc's (my-vpc-1B and my-vpc-1C) with the first vps (my-vpc-1A).



Step 2 : Now we are fixing the connection between vpc's (my-vpc-1A and my-vpc-1C) with the second vps (my-vpc-1B).



Step 3 : Now we are fixing the connection between vpc's (my-vpc-1A and my-vpc-1B) with the third vps (my-vpc-1C).



- We have created all vpc's ,transit gateway and attached to ec2 instances & transit gateway.