Assignment-1

- Create a VPC with 2 Subnets and 2 Route Tables and 1 Internet gateway.
- Launch 3 instances
- Attach 1 instance with EBS
- Attach 2 instances with EFS

Create a virtual private cloud (VPC)

- Search for VPC in search space of AWS homepage and click on VPC (Image-1)

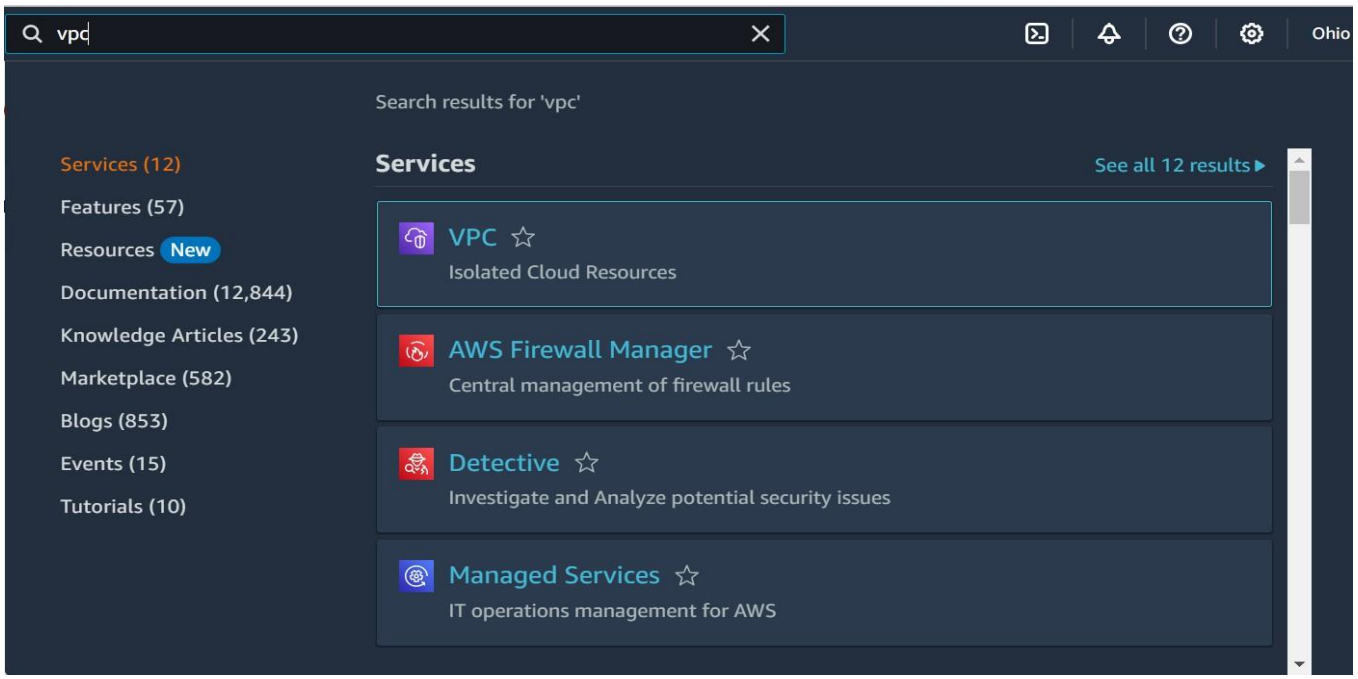


Image-1

- Now click on your VPCs option from VPC menu of VPC page as shown as below (Image-2)

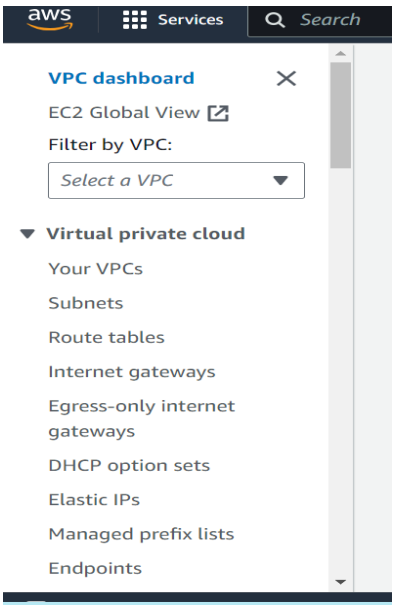


Image-2

- Now click on Create VPC to create our custom VPC as shown as below (Image-3)

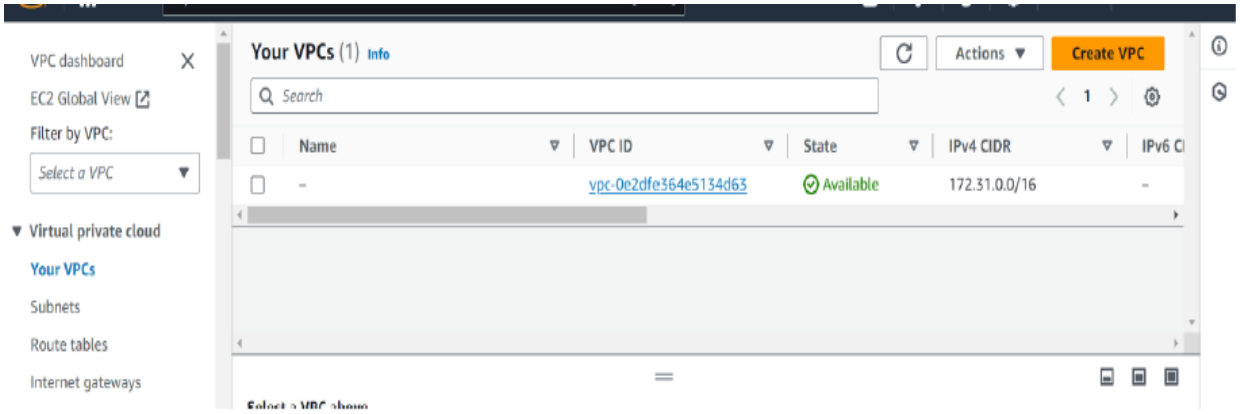
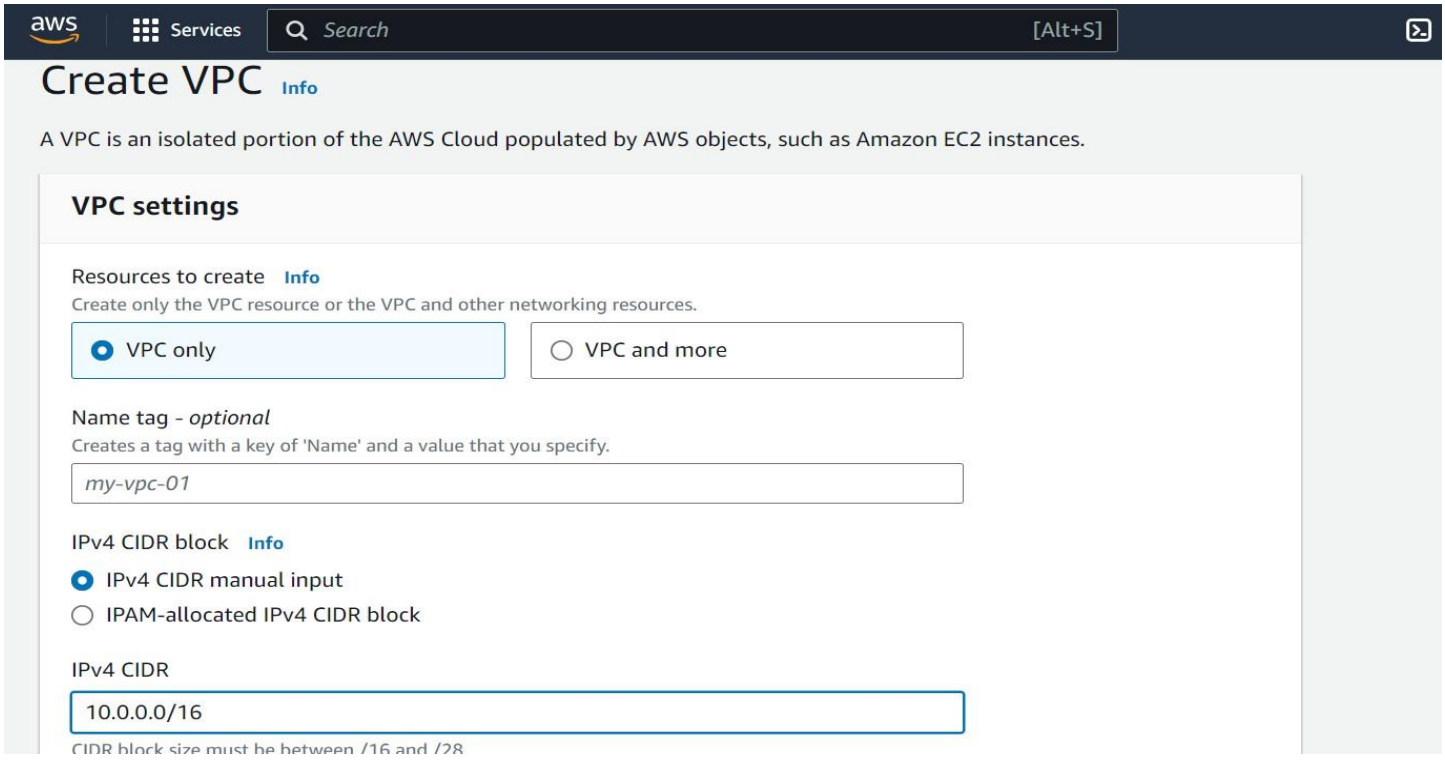


Image-3

- Now we have to give the details for our VPC and Finally click on Create VPC (Image-4).



- Now created our custom VPC successfully.
- Now click on subnets to create Subnets to our custom VPC(Image-5).

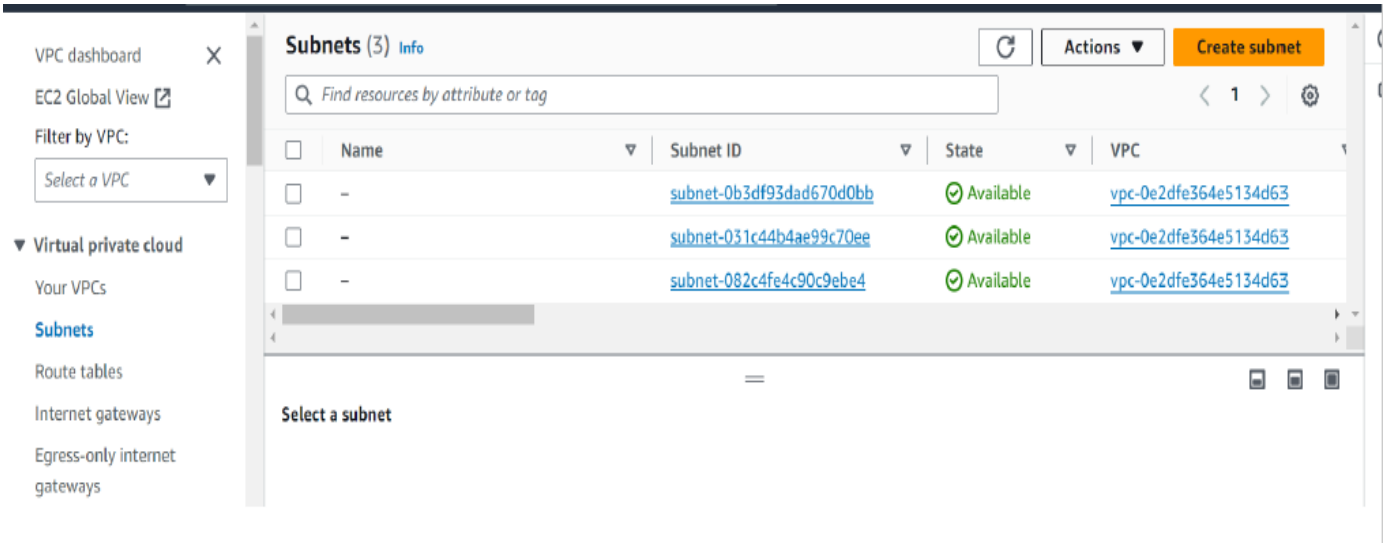
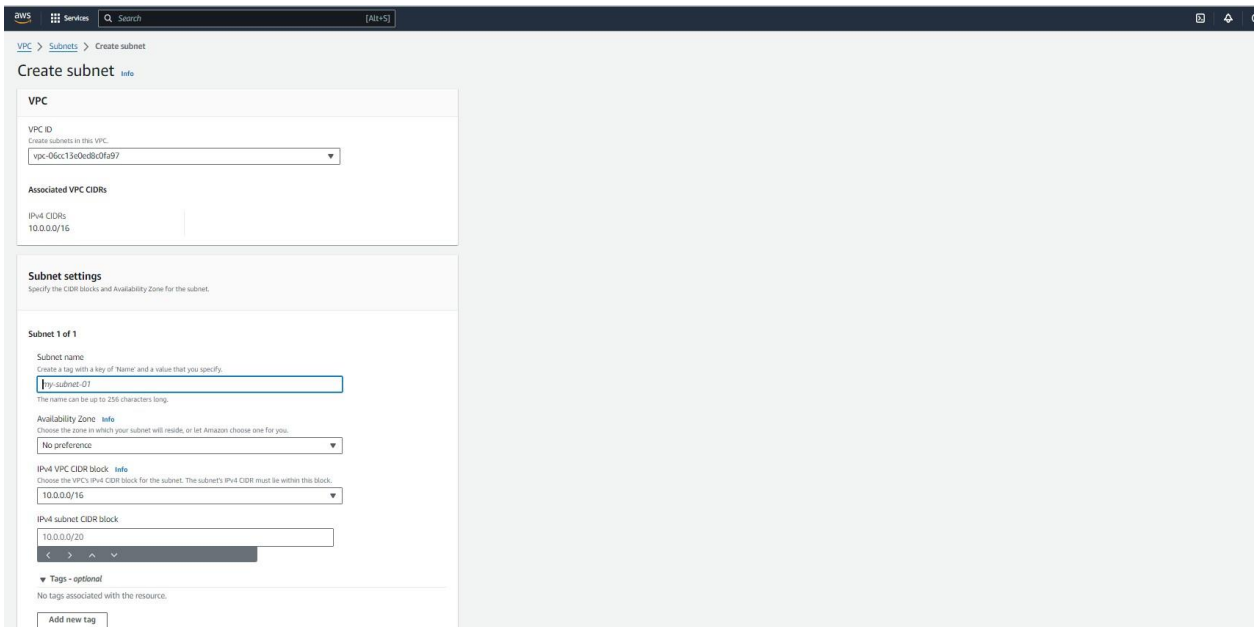


Image-5

- Then create two subnets those are public and private.
- We have given the our custom VPC-ID, Subnet Name , Choose only one availability zone,IPV4subnet CIDR block, then finally create subnet public(Image-6)



Public Subnet Image-6

- Private Subnet (Imag-7).

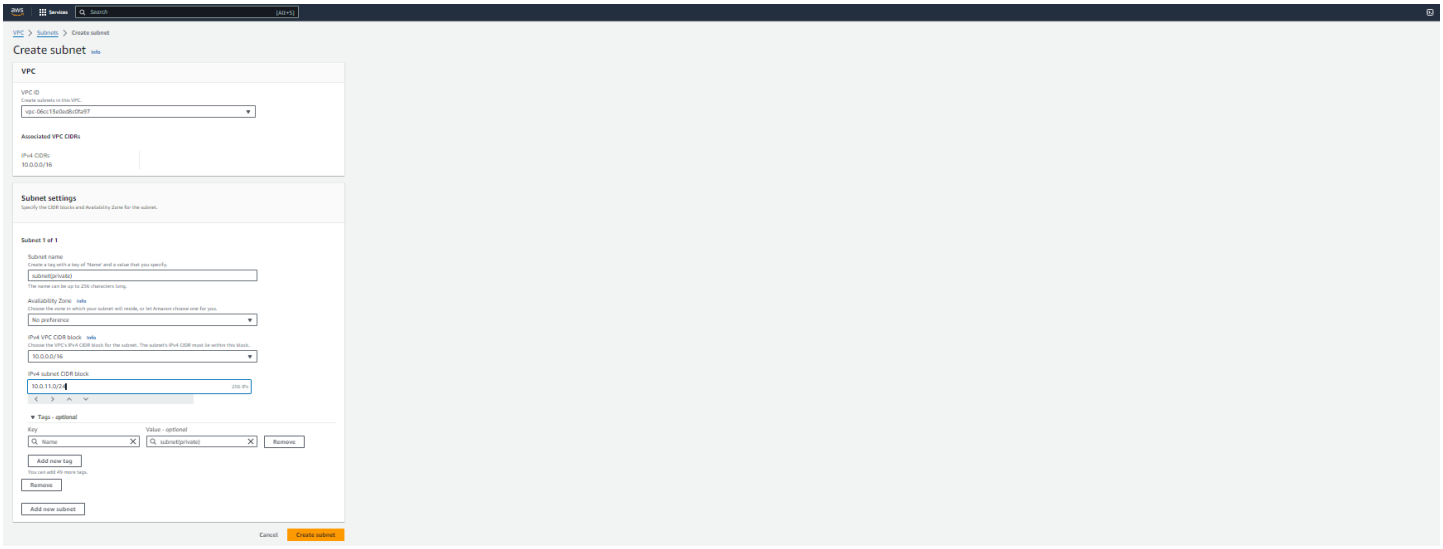


Image-7

- Now we created two subnets to our custom VPC Successfully (Image-8)

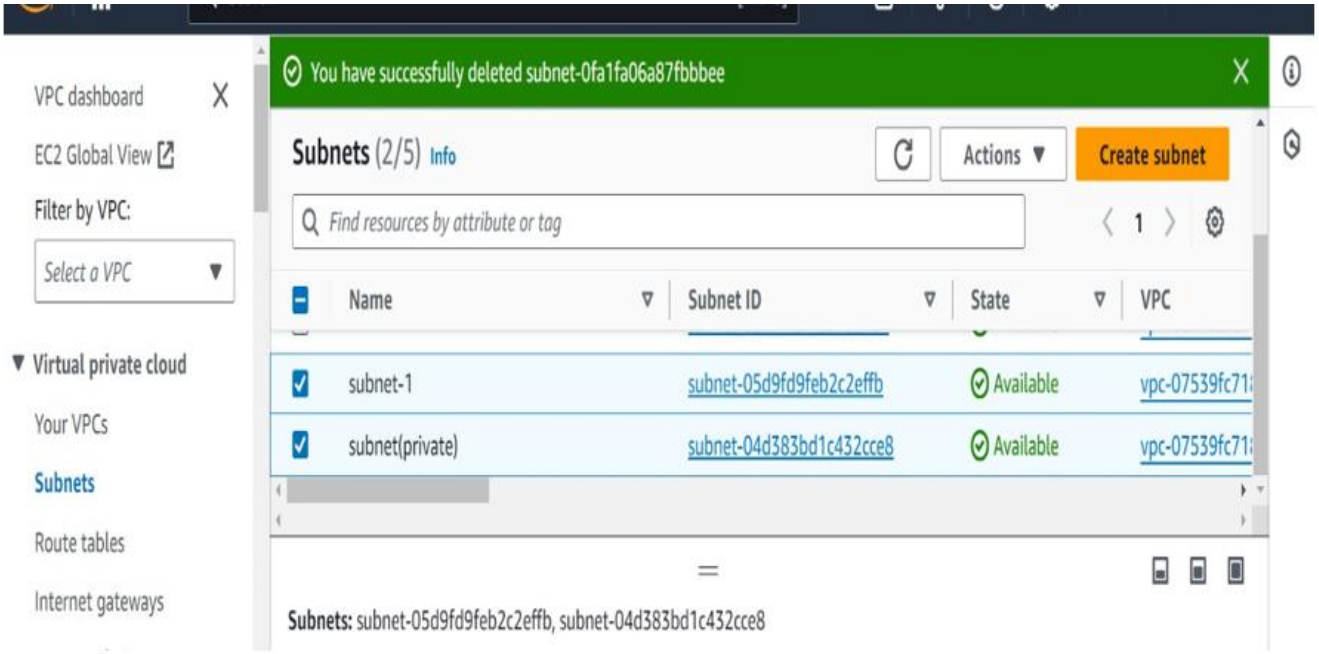


Image-8

- Now click on internet gateways from menu bar and click on create Internet gateway(Image-9)

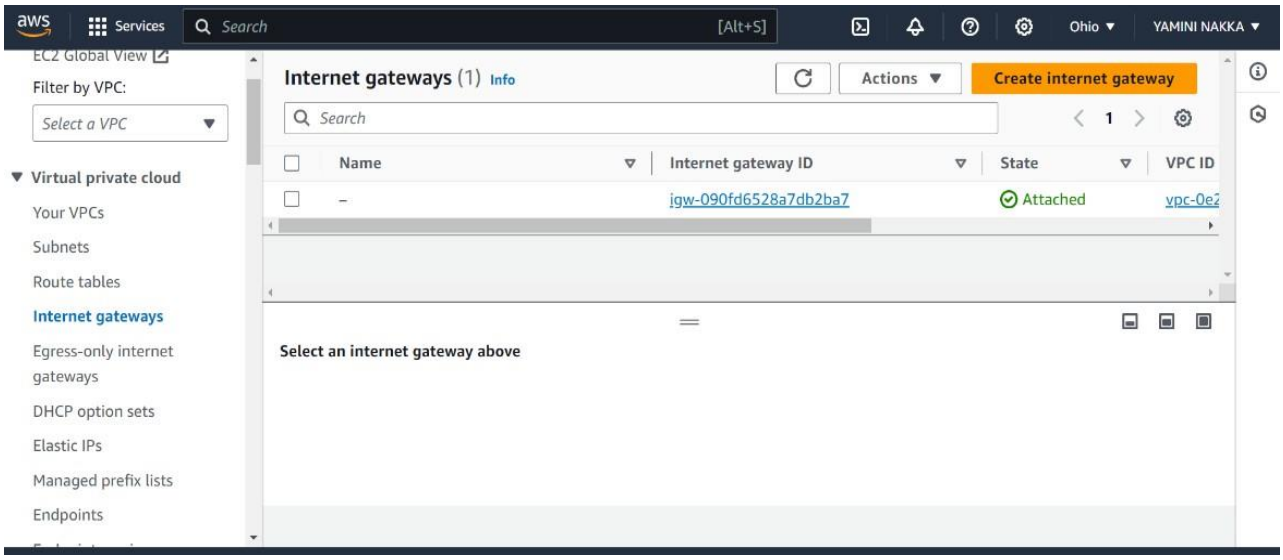


Image-9

- Now ,we have to give Name to our internet gateway and finally created Internet gate way(pic-10)

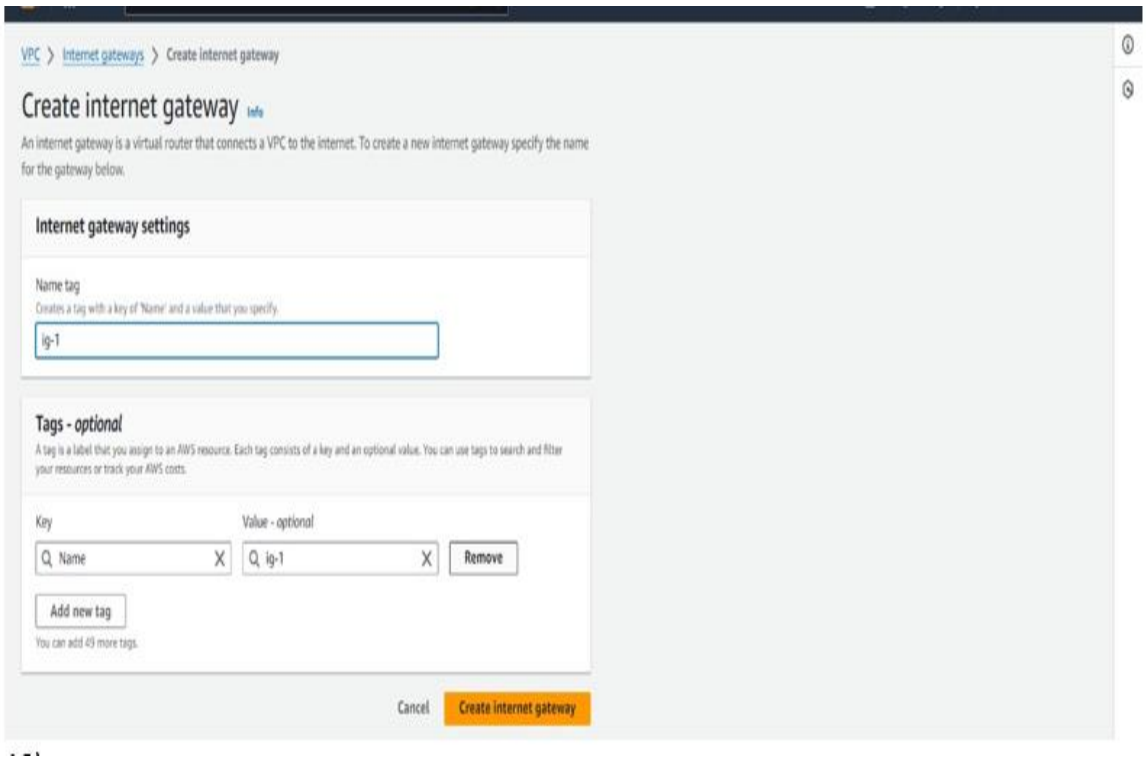


Image-10

- Then click on actions and click on the attach to the VPC (Image-11).

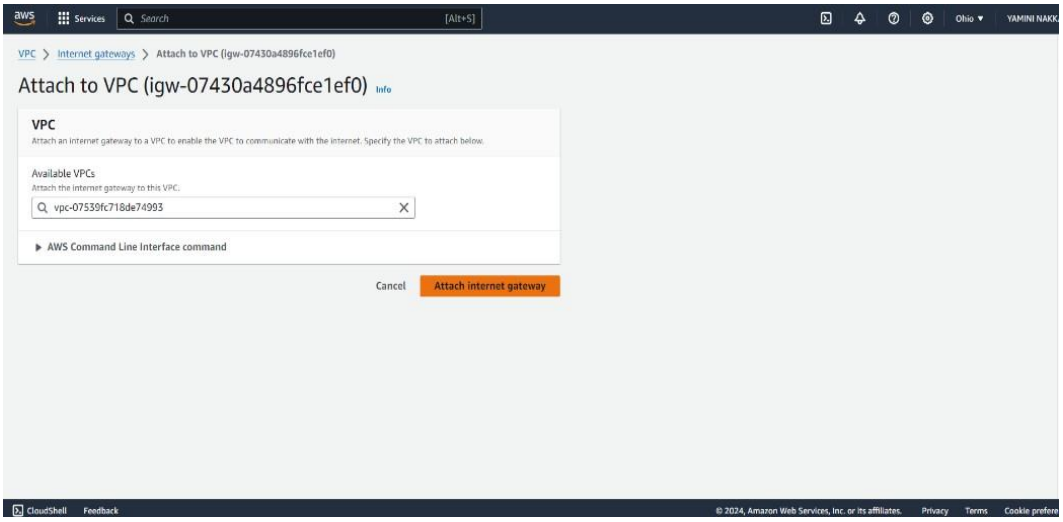


Image-11

- Now we have select our custom VPCs in that available VPCs so we already Created it our custom VPC. And finally click on attach internet gateway

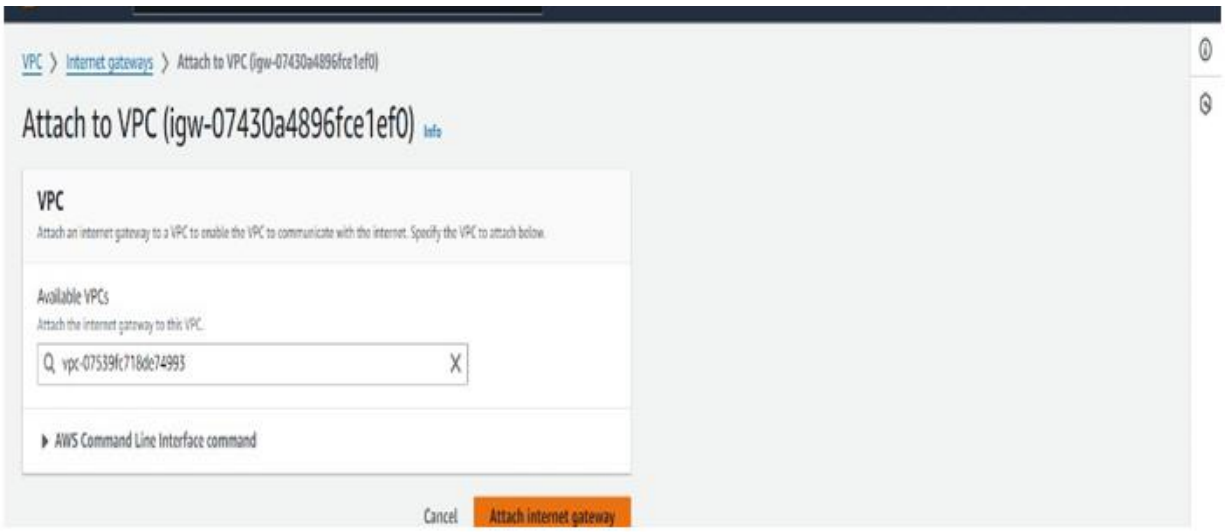


Image-12

- Now we created internet gateway to our custom VPC successfully (Image-13) image

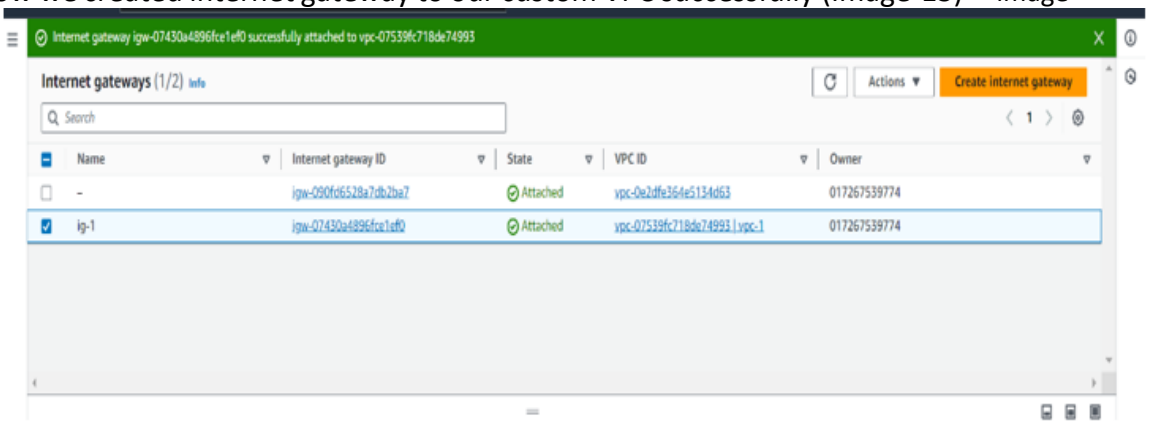


Image-13

- Now we have to create 2 route tables (one is public and another one is private). Click on route tables from menu bar and click on create a route table Image-14.

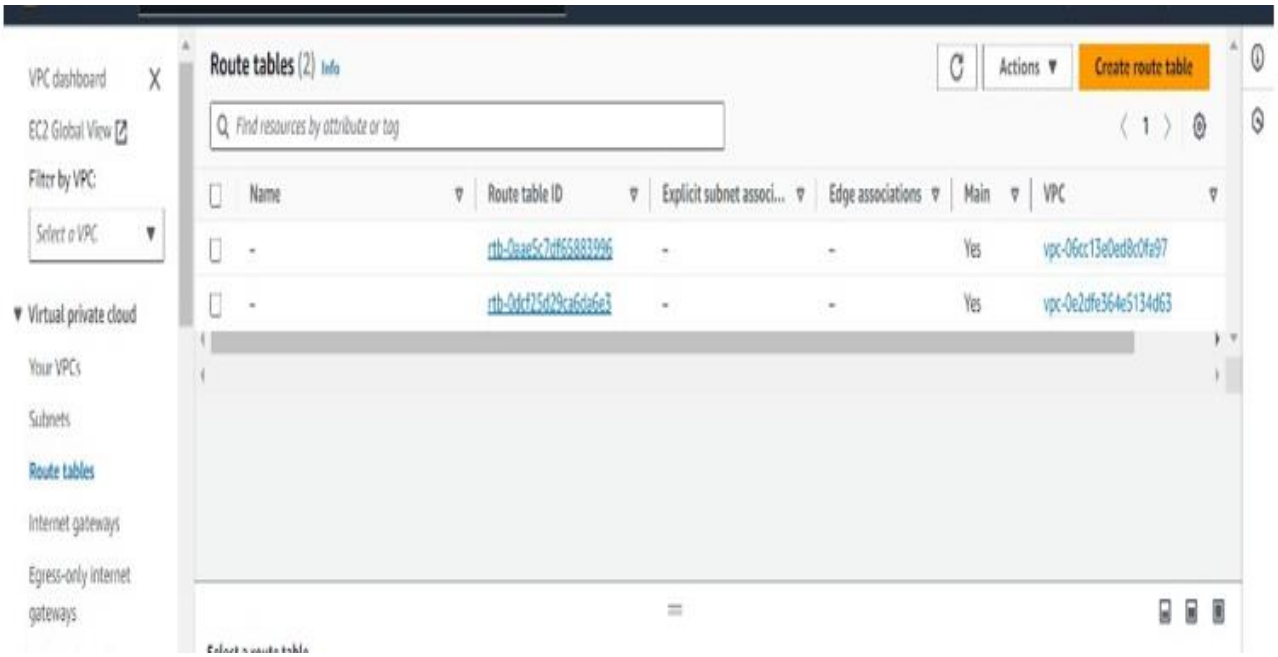


Image-14

- Then give name to route table and select our custom VPC and finally click on create route table(pic-15)

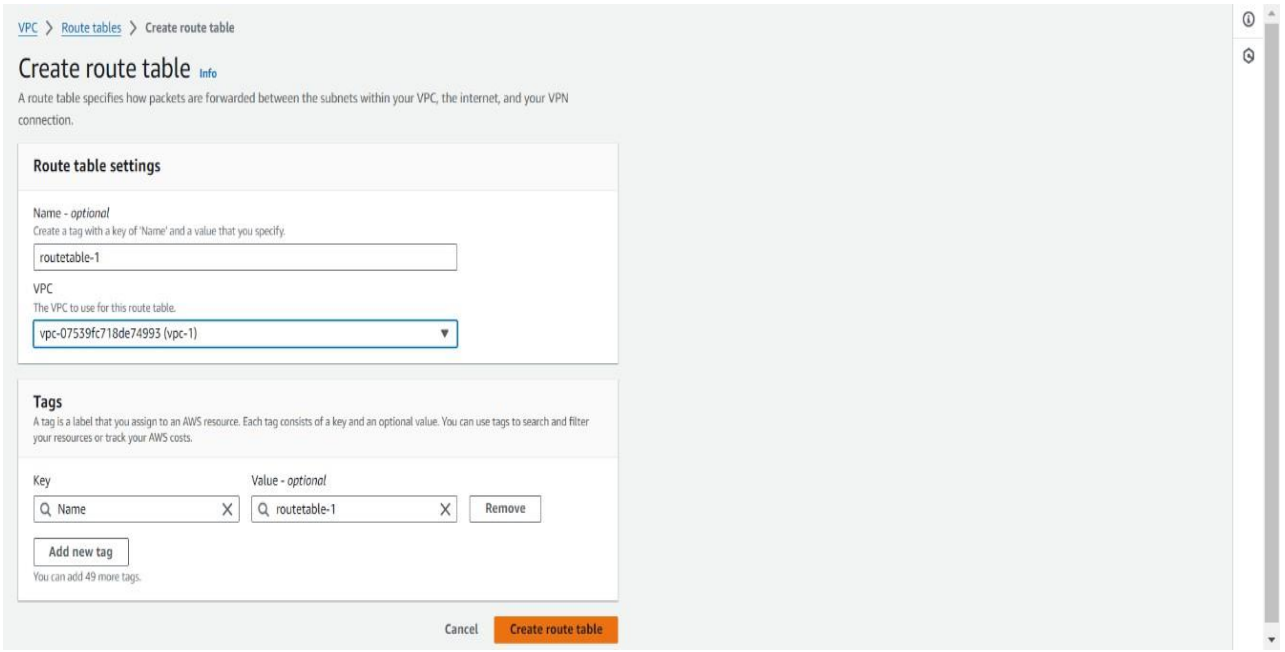


Image-15

- Now click on Actions, click on edit routes(Image-16)

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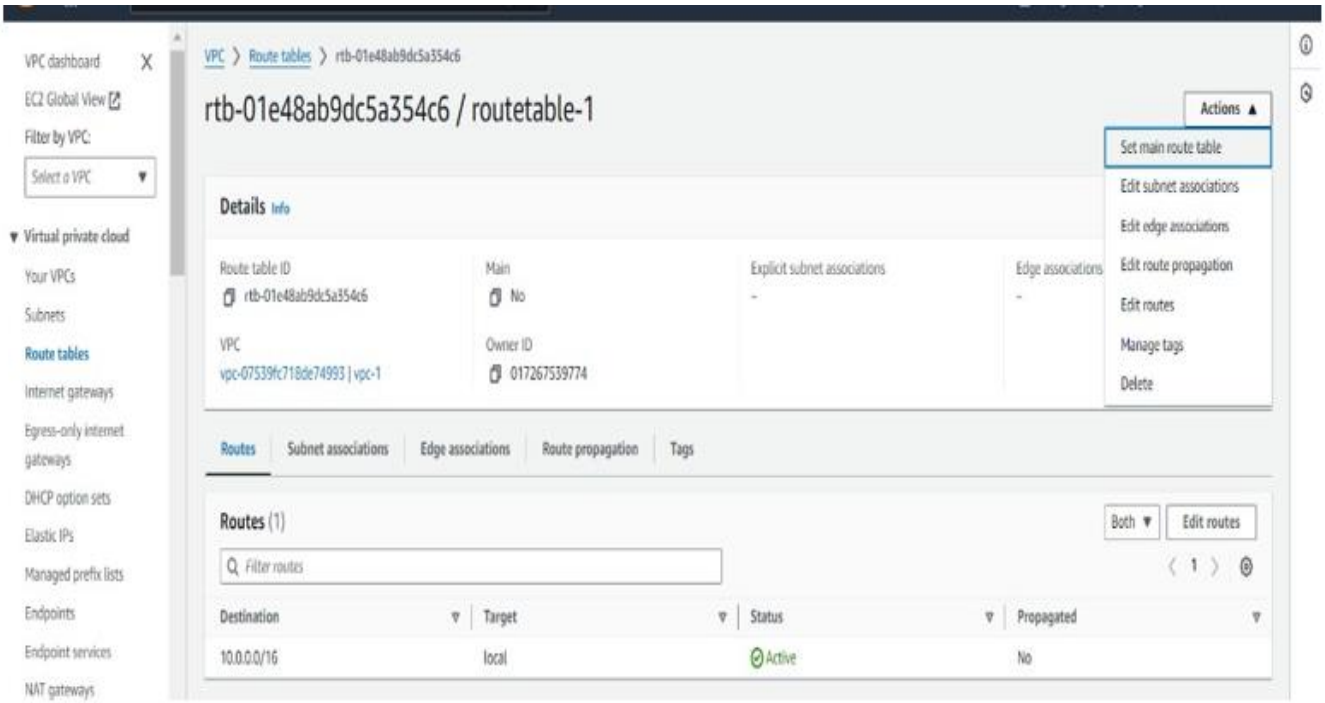

Image-16

- Click on add route.select 0.0.0.0/0 as destination(Image-17).

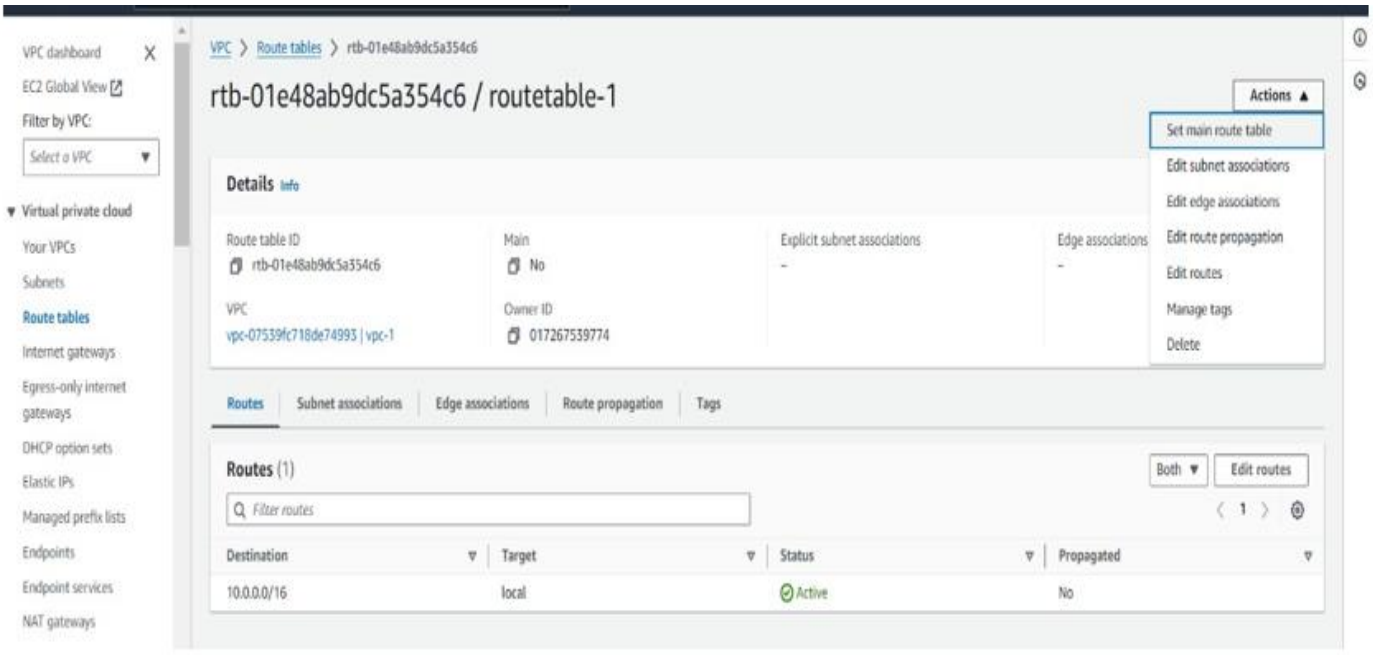

Image-17

- Select internet gateway from drop down list,we have to select use id like.

- This internet gateway choose from that dropwon to our internet gateway(Image-18).

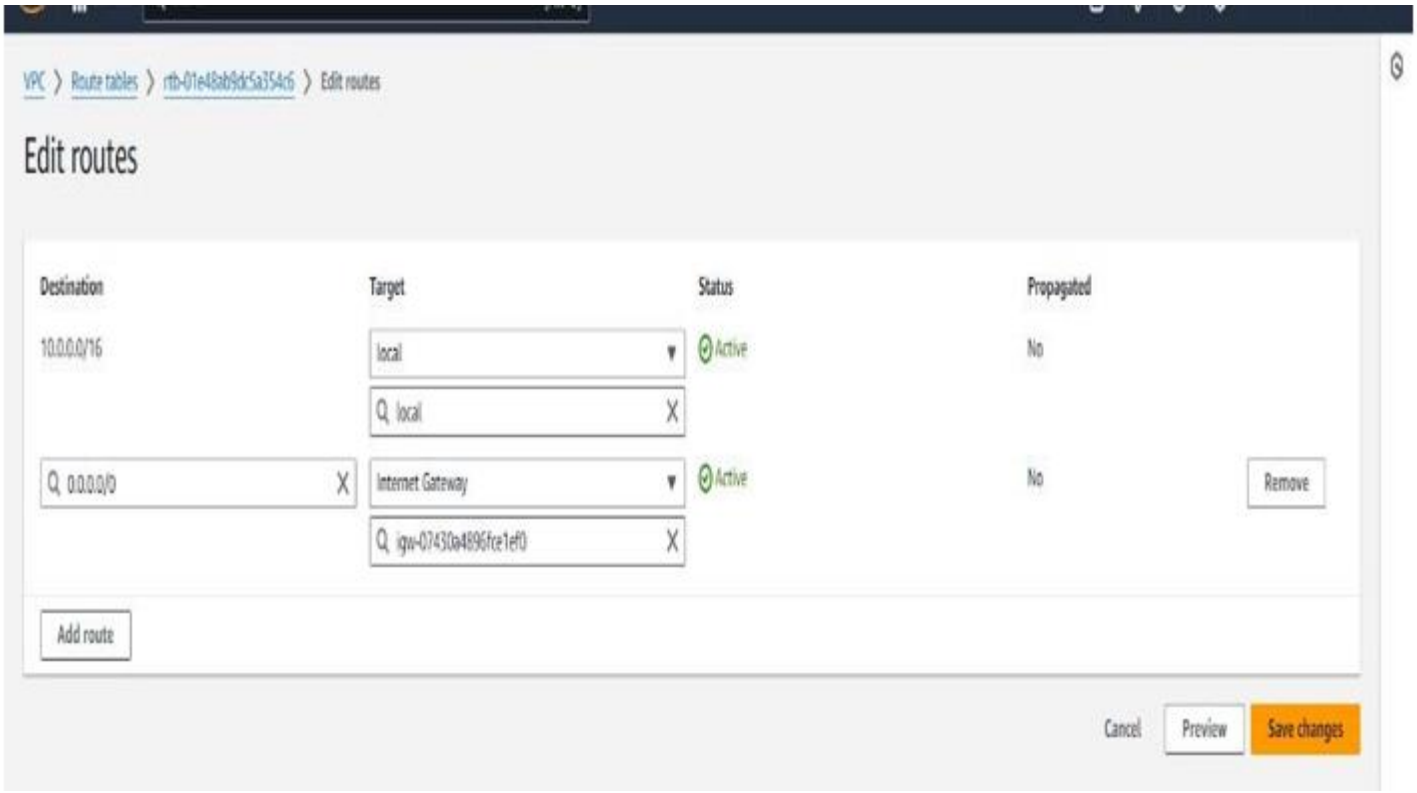

Image-18

- Then click on subnet associations and edit subnet associations (Imag-19)

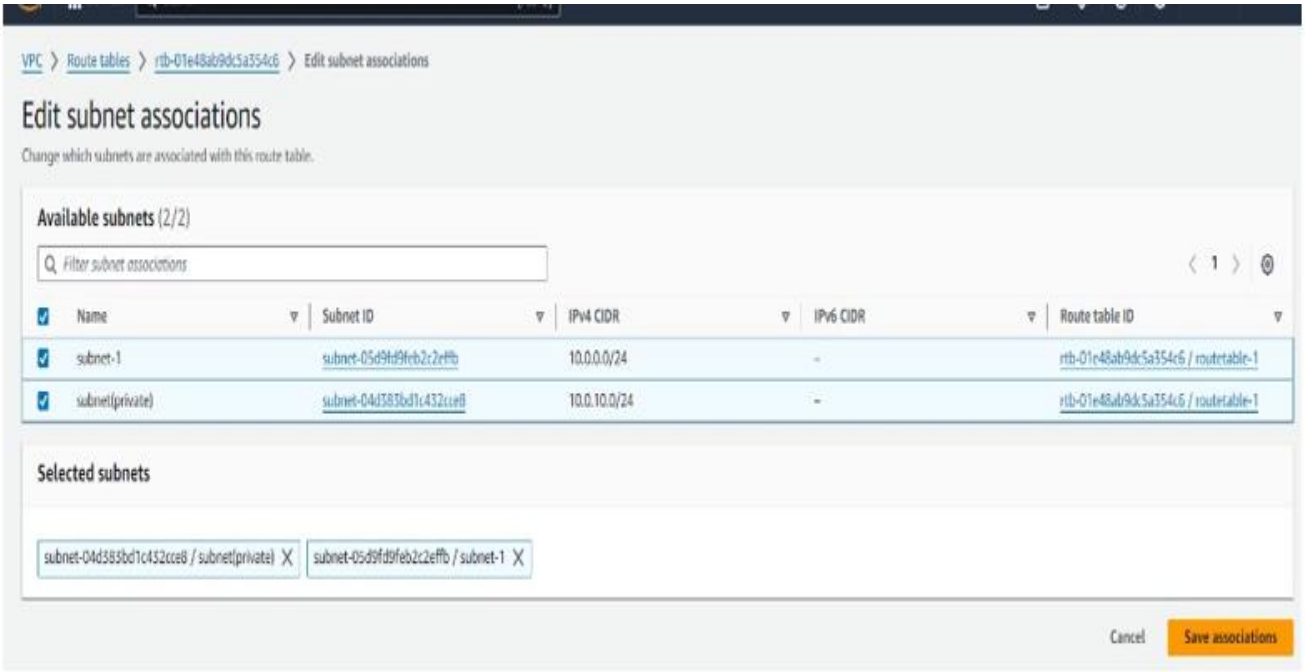

Image-19

- Create one more route table (private-subnet)and associate with private subnet.

- Note :To the private route table, we are not give internet gateway Access to Private, because of we want to make it as Private Subnet. now we can created two route tables to our custom VPS Successfully completed.

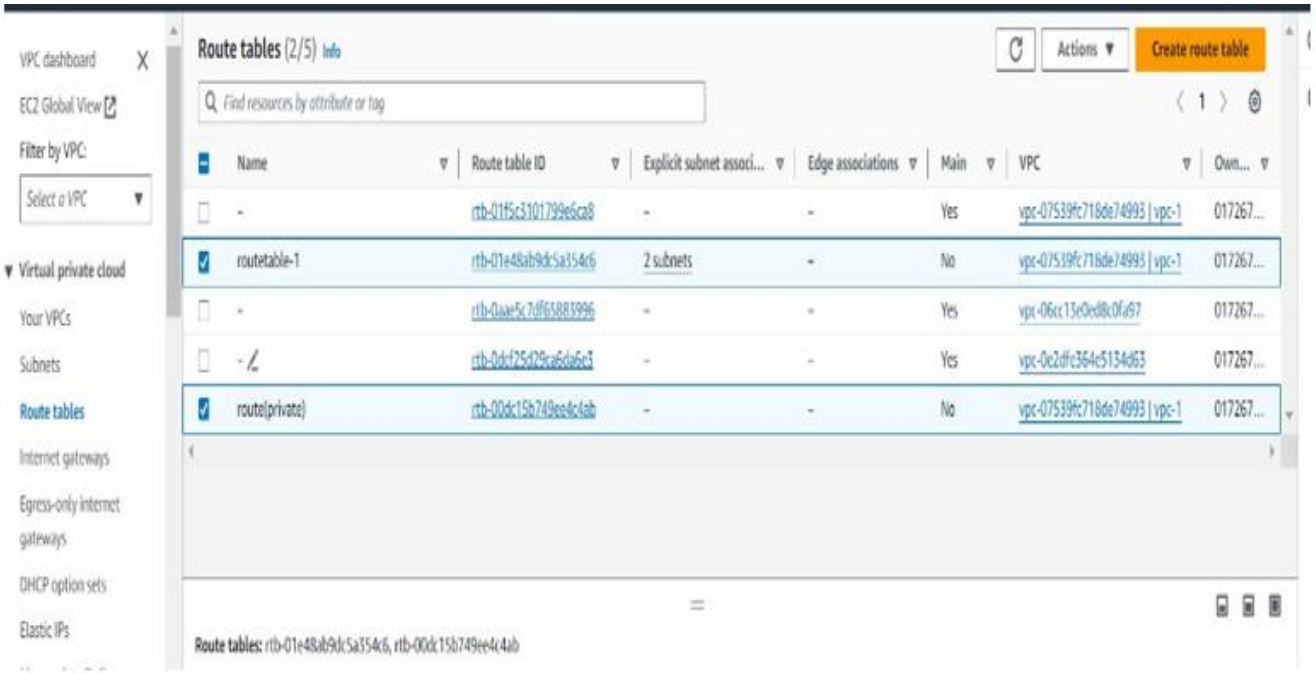

Image-20

- VPC with 2 subnets and 2 route tables and internet gateway successfully created.

Create 3 EC2 instances.

- Search for EC2 in search bar of AWS homepage and then click on EC2 as sown as below (Image-21).

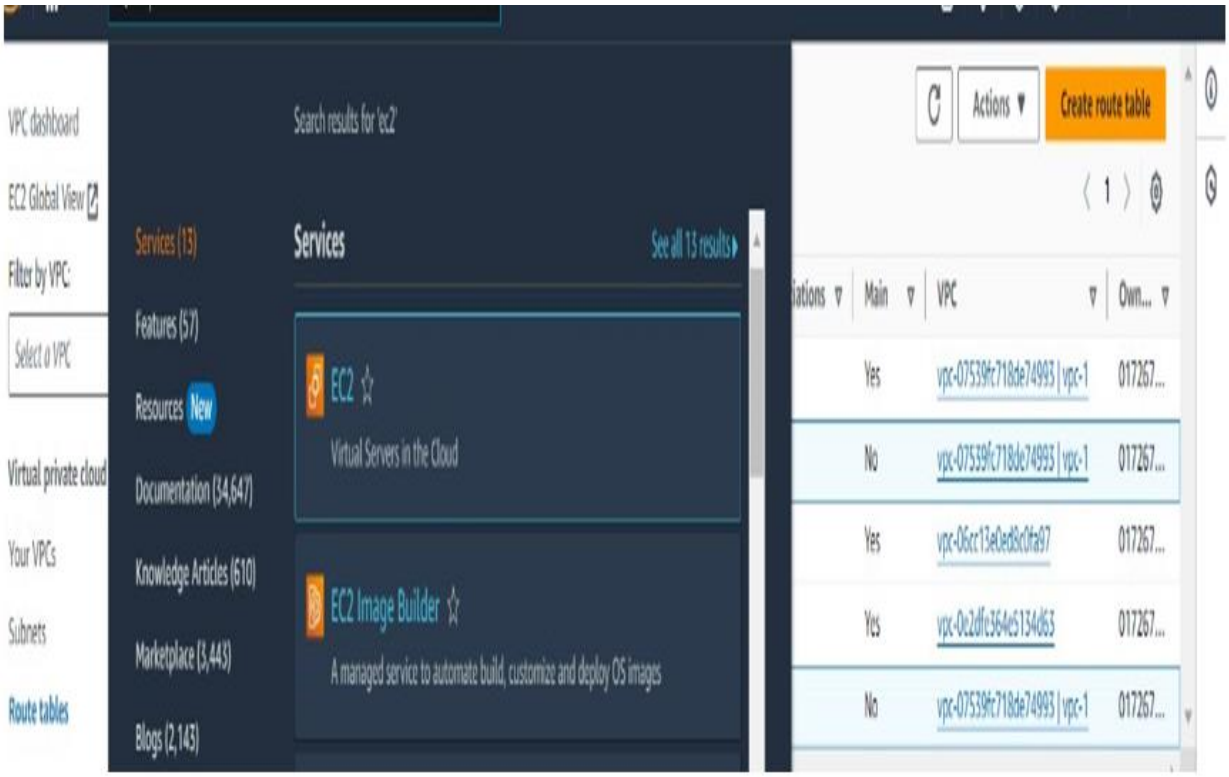

Image-21

- Now create one EC2 instance to the elastic block storage(EBS).(Image-22)

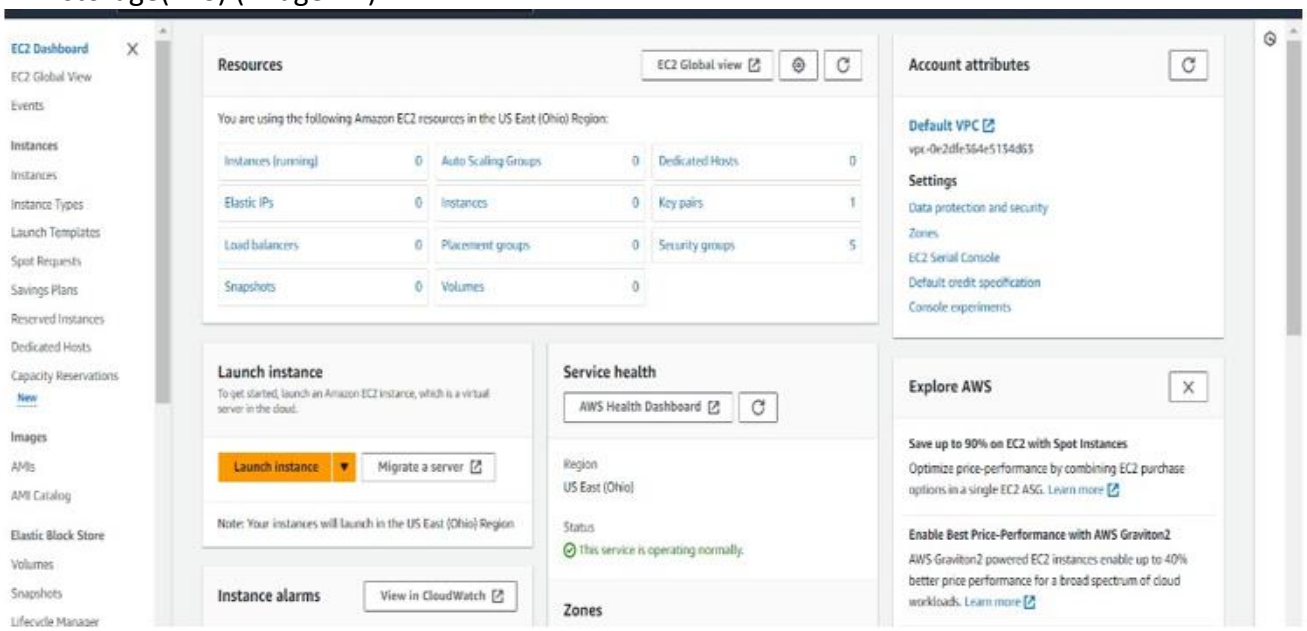

Image-22

- Then launch the instance of EC2 for EBS , Now we have to give the details for our EC2(EBS) Instance and then we must mention some details like name ,OS type, Instance type keypair and (login),network setting. Finally click on launch instance(Image-23).

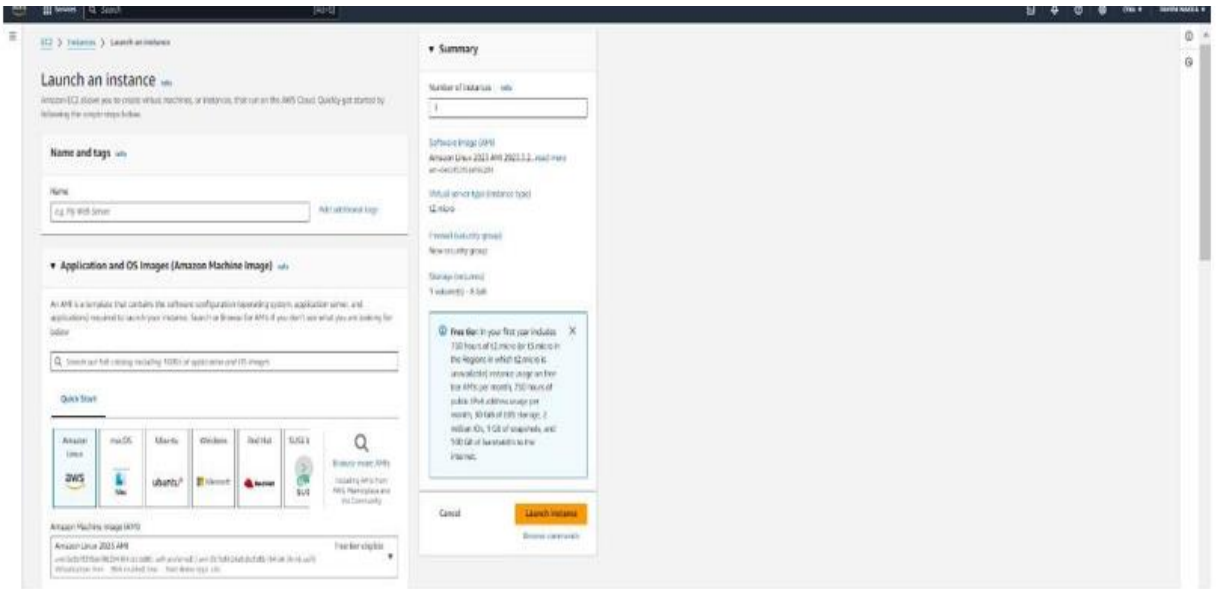

Image- 23

- Now we created EBS EC2 instance successfully.

- Now click on Elastic Block Store option from EC2 instance menu Then click on volumes. (Image-24).

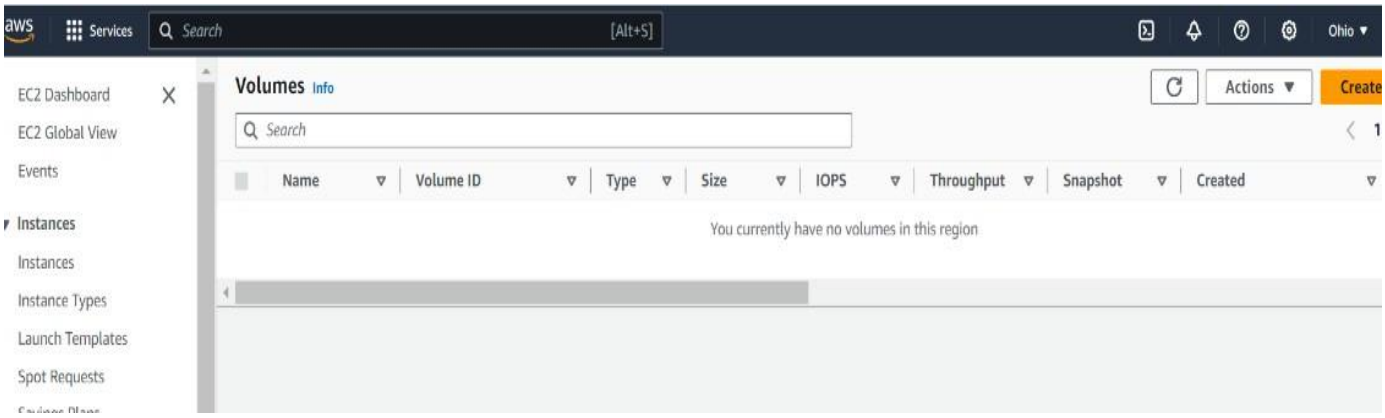

Image-24

- Create volume for EBS so that we have to give the details for volume Type, size, availability zone.
- Finally click on create volume (Image-25).

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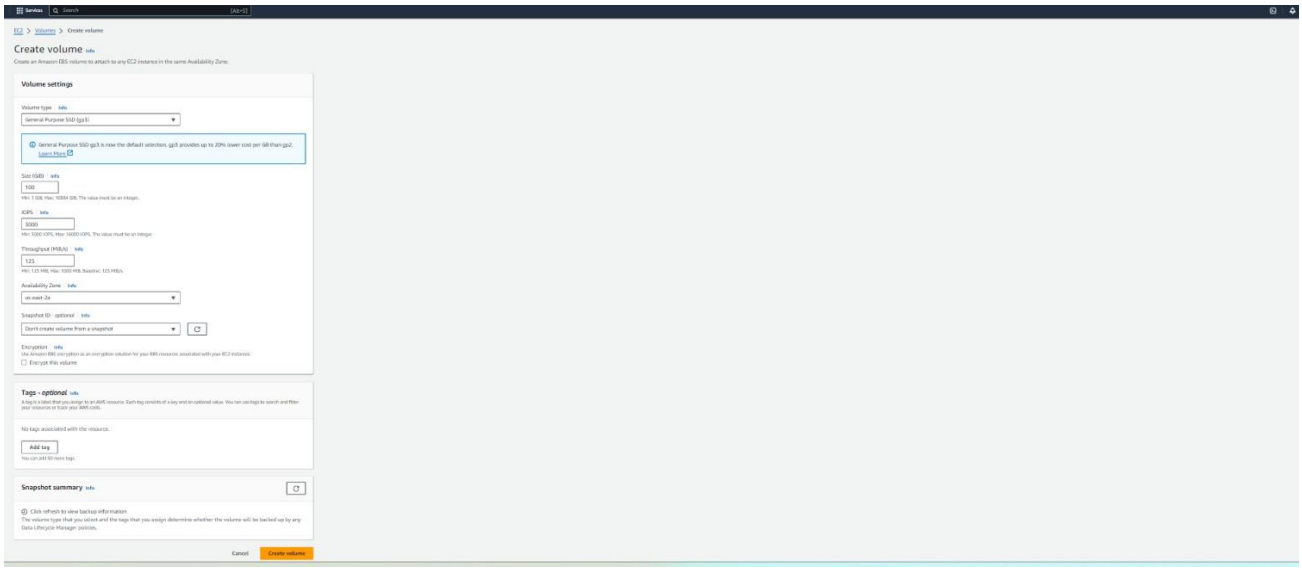

Image-25

- Once the volume has been create click on actions in that attach volume (Image-26).

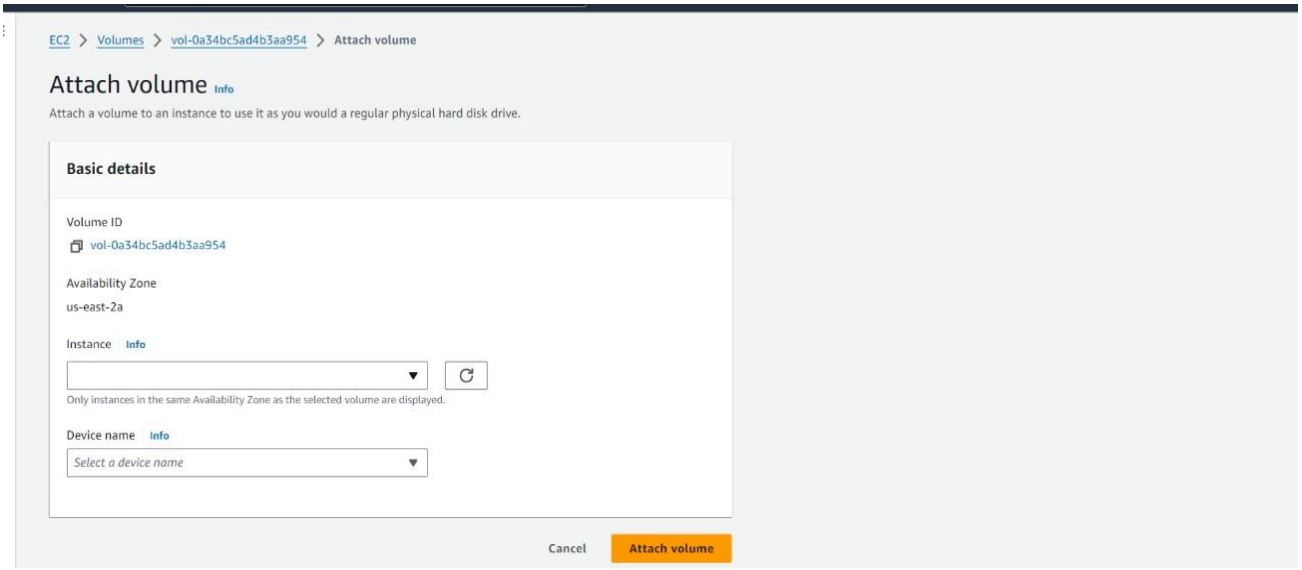

Image-26