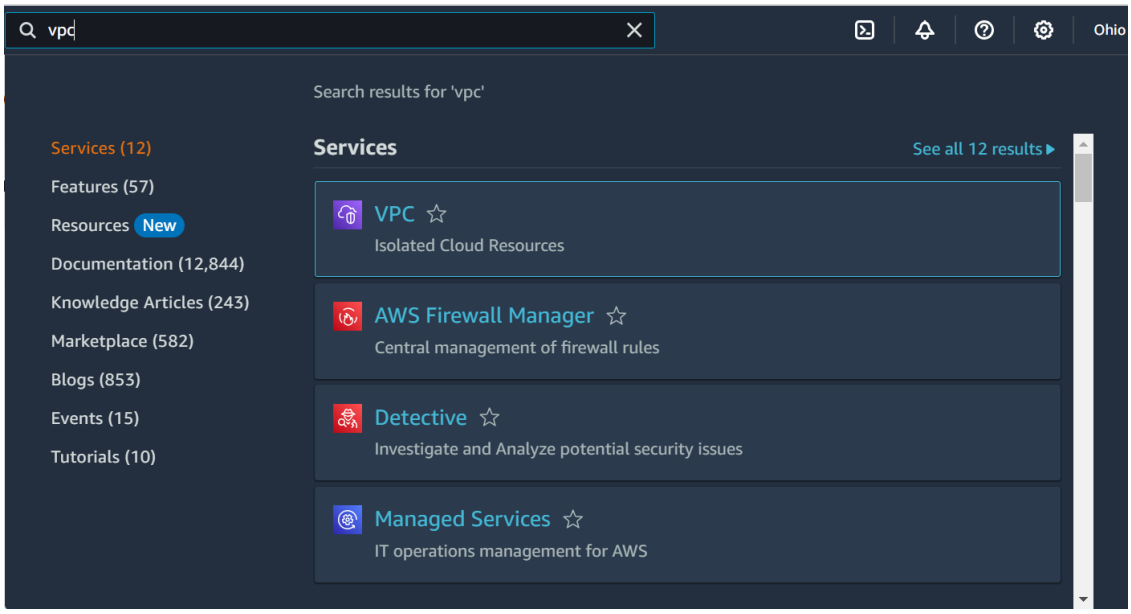
Assignment-1

Create a vpc with 2 subnets and 2 route tables and internet gateway

- Launch 3 instances
- Attach 1 instance with EBS
- Attach 2 instances with EFS

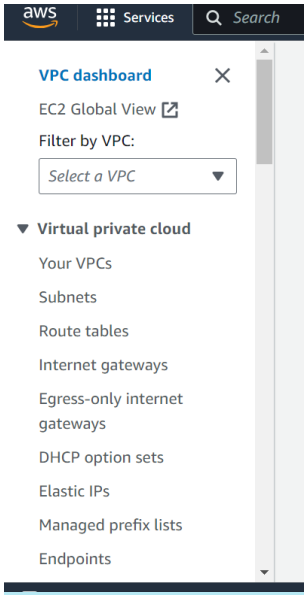
Create a virtual private cloud(VPC)

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



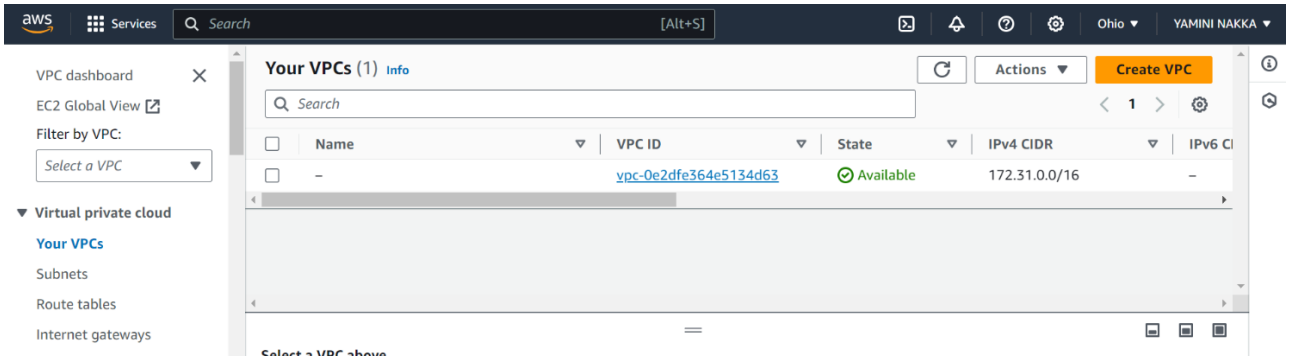
Pic-1

Now click on your VPCs option from VPC menu of VPC page(pic-2)



Pic-2

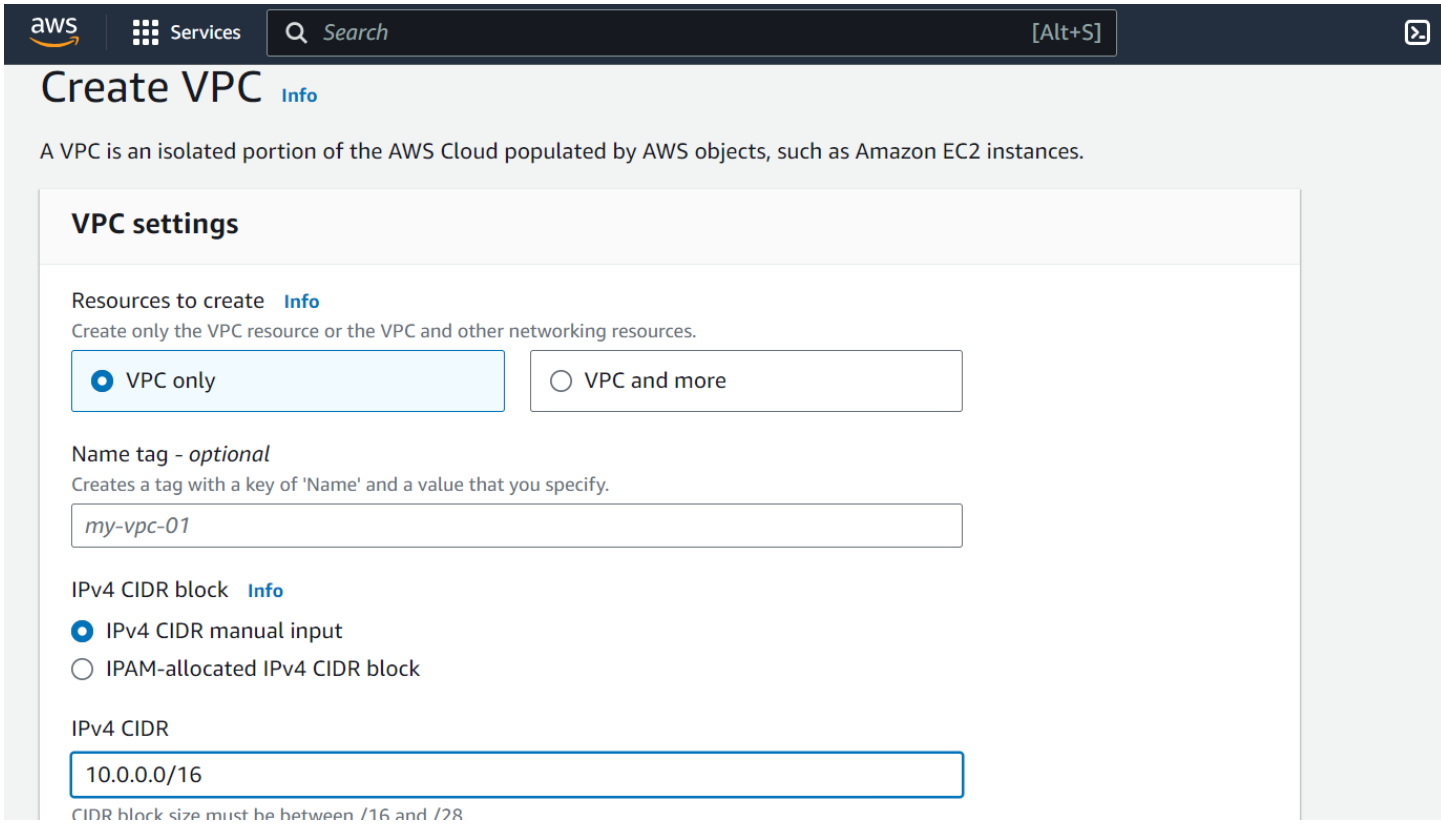
Now click on Create VPC to create our custom VPC (pic-3)



Pic-3

Now we have to give the details for our VPC and

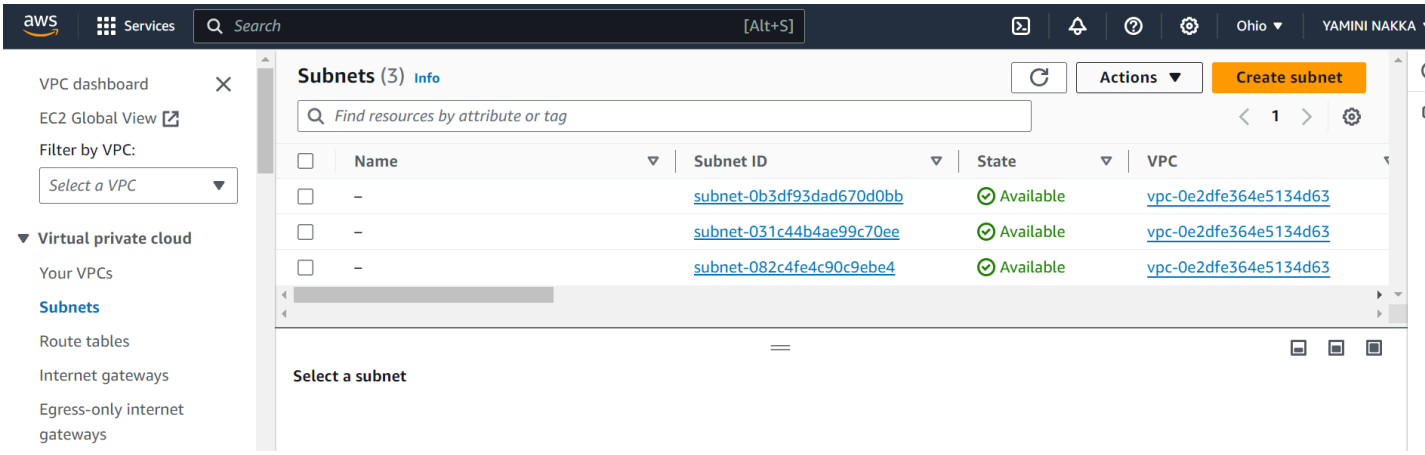
Finally click on Create VPC (pic-4)



Pic-4

Now created our custom VPC successfully

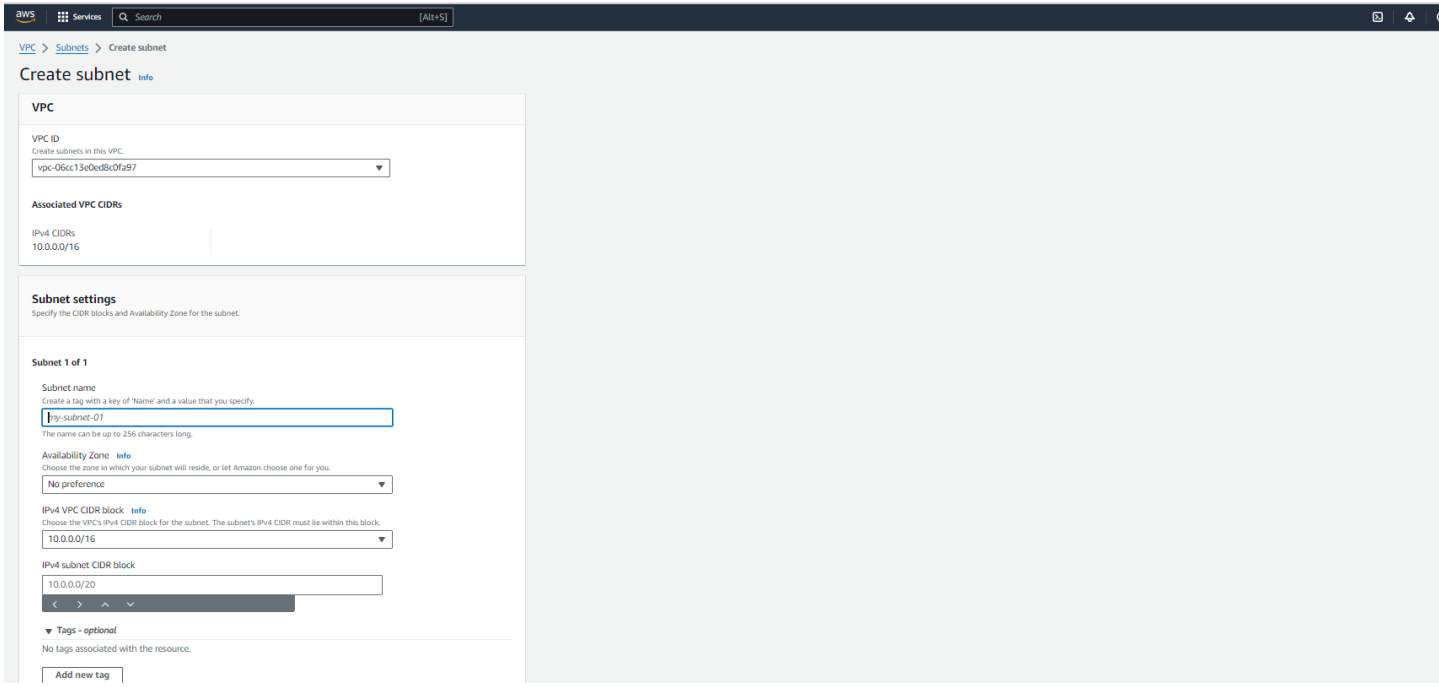
Now click on subnets to create Subnets to our custom VPC(pic-5)



Pic-5

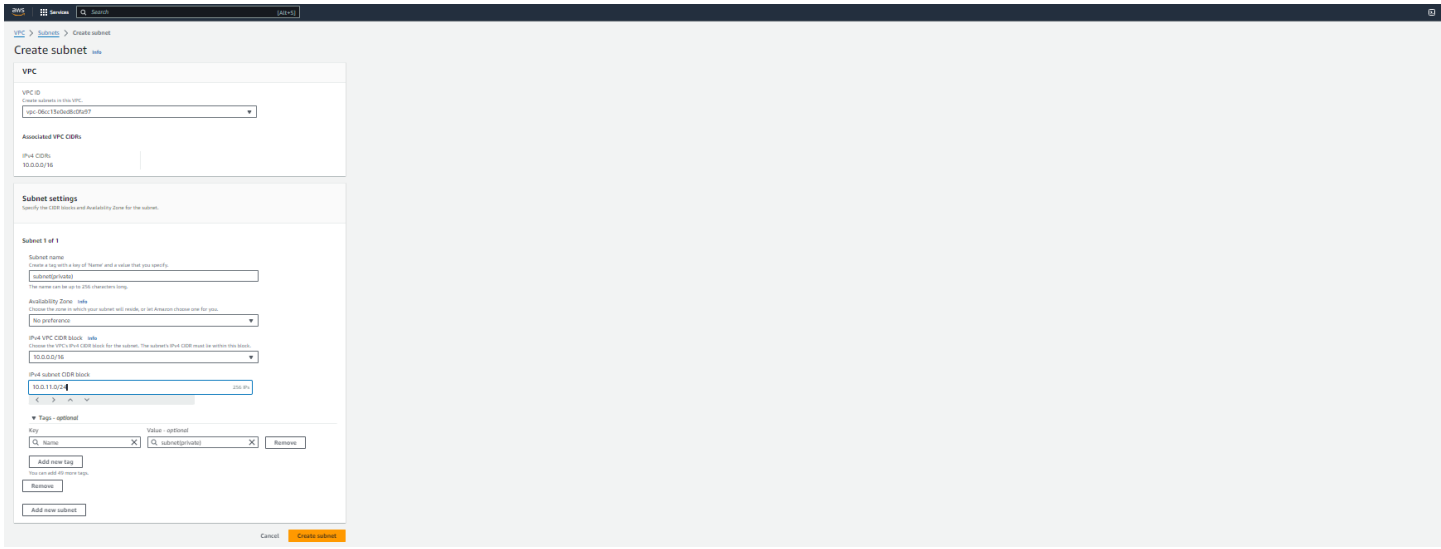
Then create two subnets public and private

We have give the our custom VPC-ID,subnet name ,choose only one availability zone,IPV4subnet CIDR block,then finally create subnet public(pic-6)



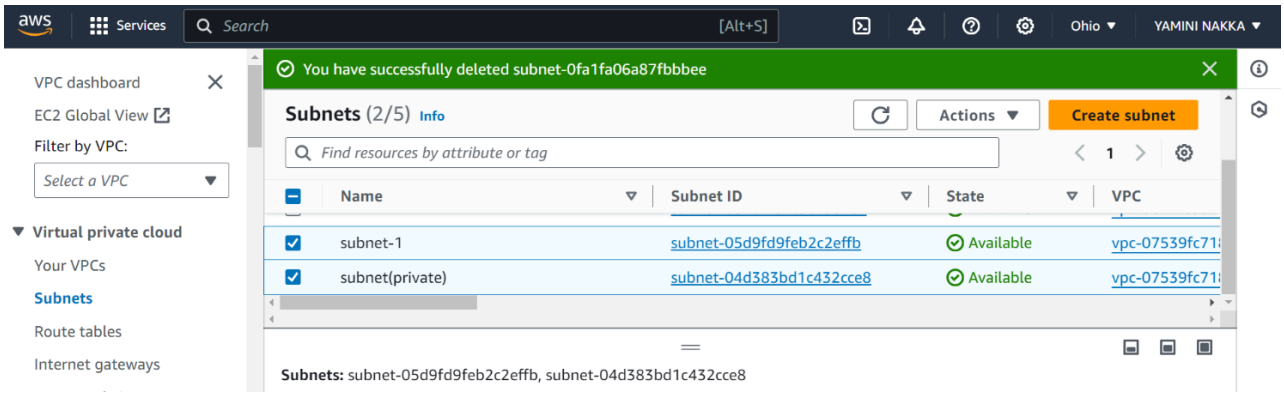
Pic-6

Private subnet(pic-7)



Pic-7

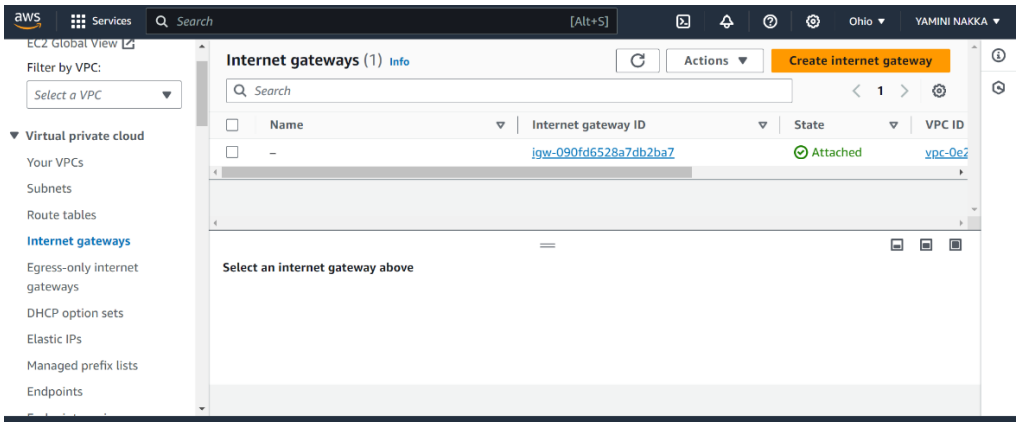
Now we created two subnets to our custom VPC successfully(pic-8)



Pic-8

Now click on internet gateways from menu bar and click on create

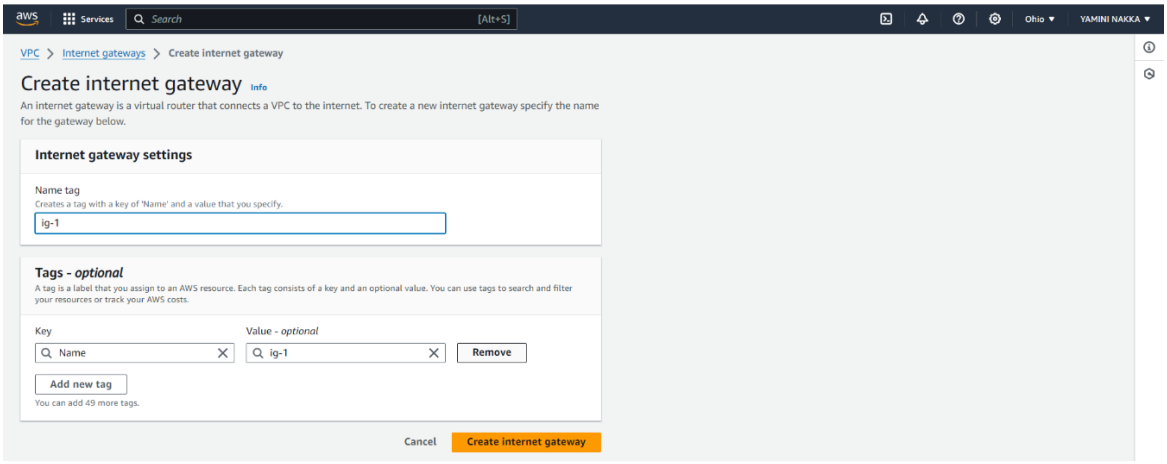
Internet gateway(pic-9)



Pic-9

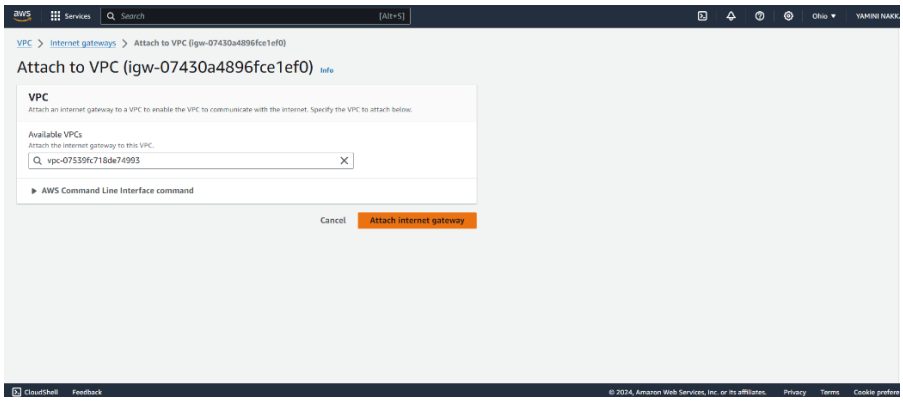
Now ,we have give name to our internet gateway and finally click on

Internet gateway(pic-10)



Pic-10

Then click on actions and click on attach to VPC(pic-11)



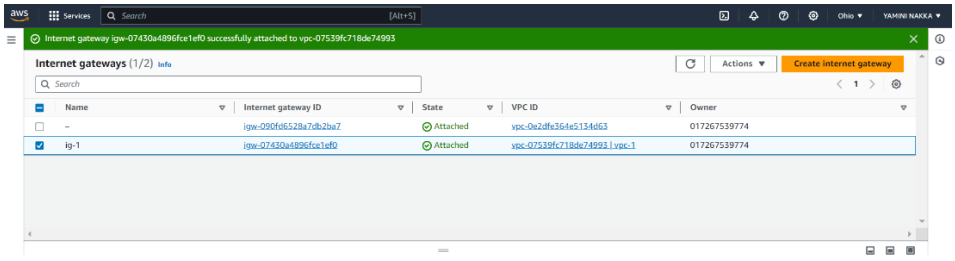
Pic-11

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(pic-12)

Pic-12

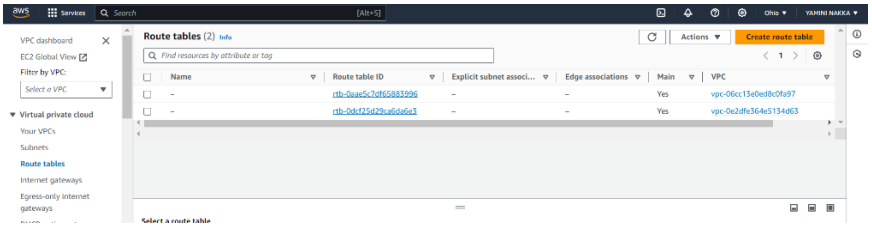
Now we created internet gateway to our custom VPC successfully(pic-13)



Pic-13

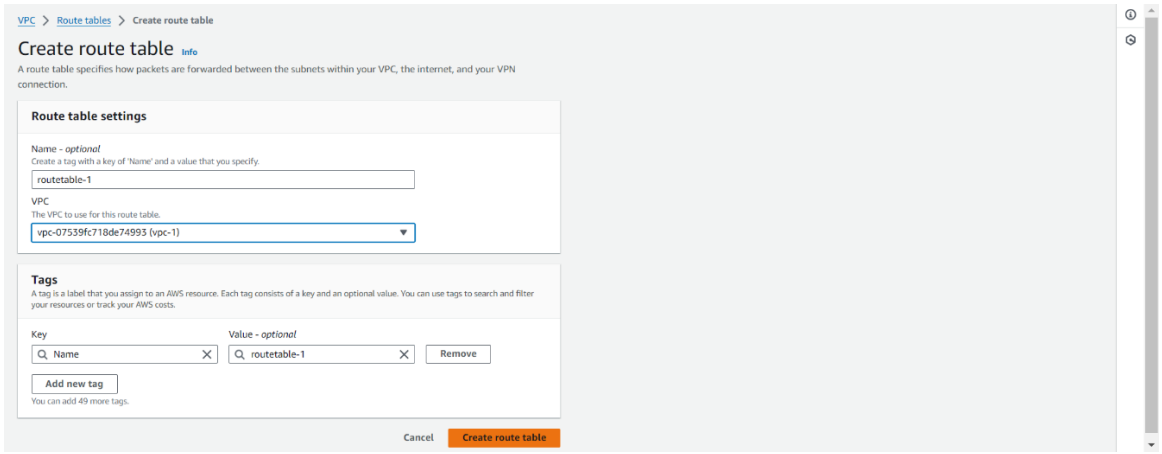
Now we have to create 2 route tables (one is public and another one is private).

Click on route tables from menu bar and click on create route table(pic-14)



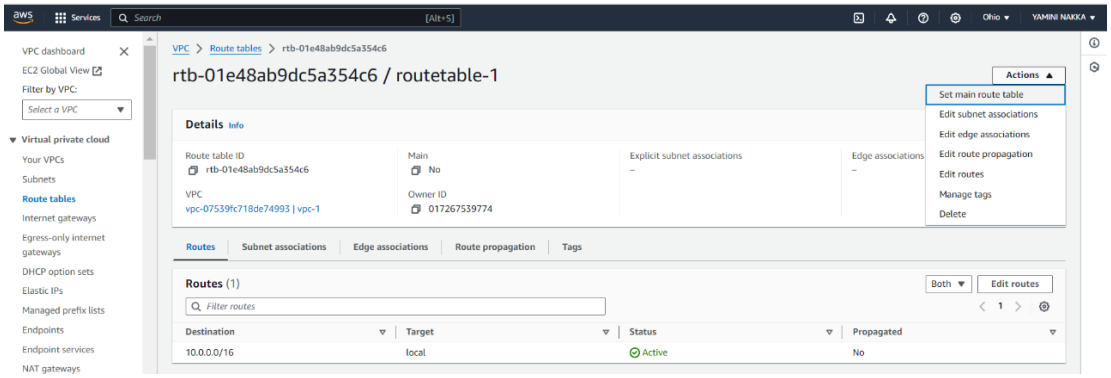
Pic-14

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



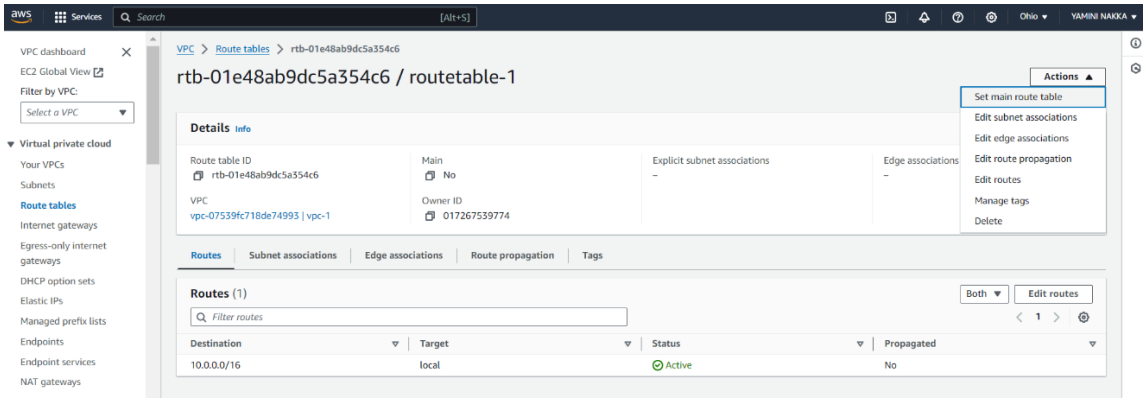
Pic-15

Now click on actions,click on edit routes(pic-16)



Pic-16

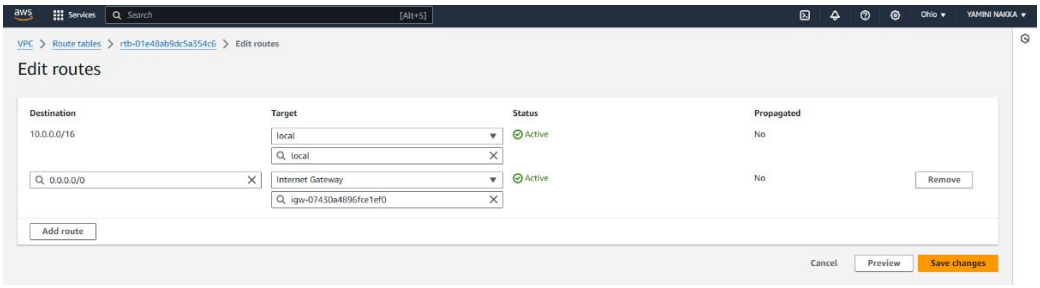
Click on add route.select 0.0.0.0/0 as destination(pic-17)



Pic-17

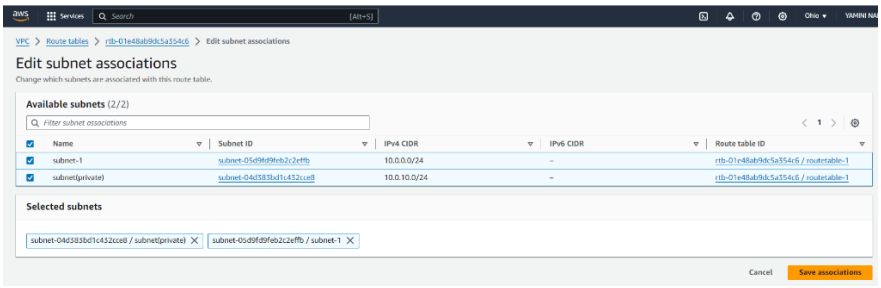
Select internet gateway from drop down list,we have select use id like

This ig and choose that one to our internet gateway(pic-18)



Pic-18

Then click on subnet associations and edit subnet associations(pic-20)



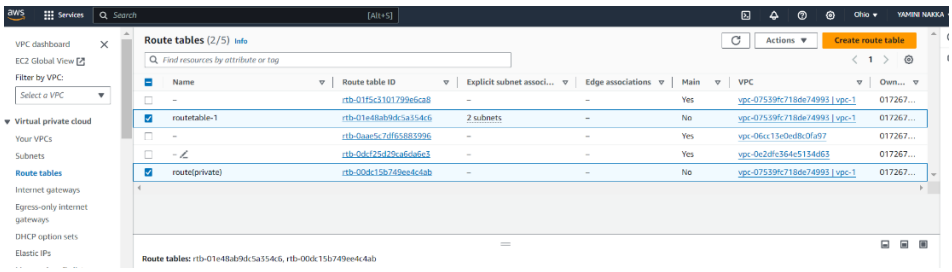
Pic-19

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

*Note:To the private route table,we are no giving internet gateway

Access to private,because we want to make it as private subnet

Now we created two route table to our custom vpc successfully(pic-20)

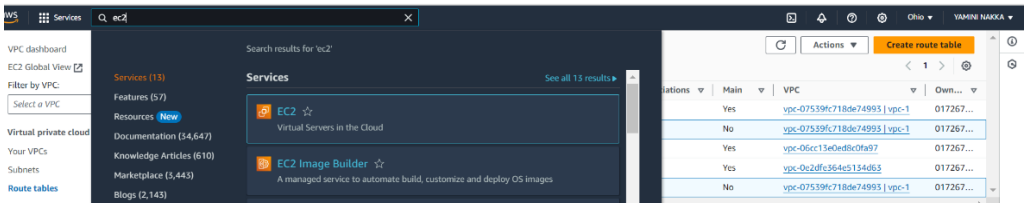


Pic-20

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

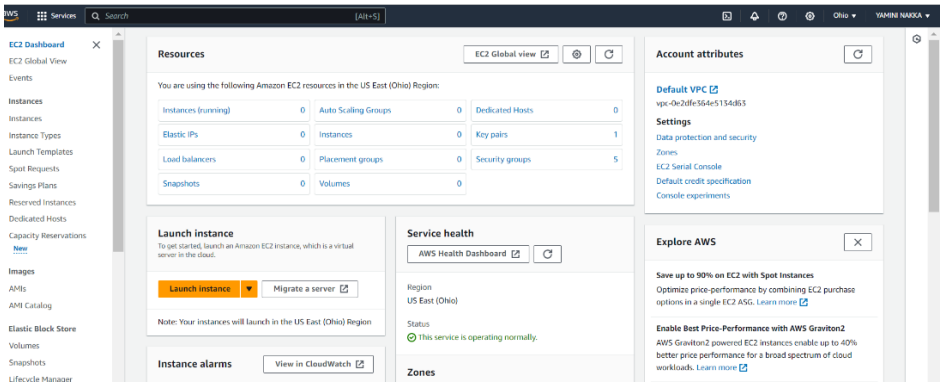
Create 3 EC2 instances

Search for EC2 in search space of AWS homepage and click on EC2(pic-21)



Pic-21

Now create one ec2 instance to the elastic block storage(EBS).(pic-24)



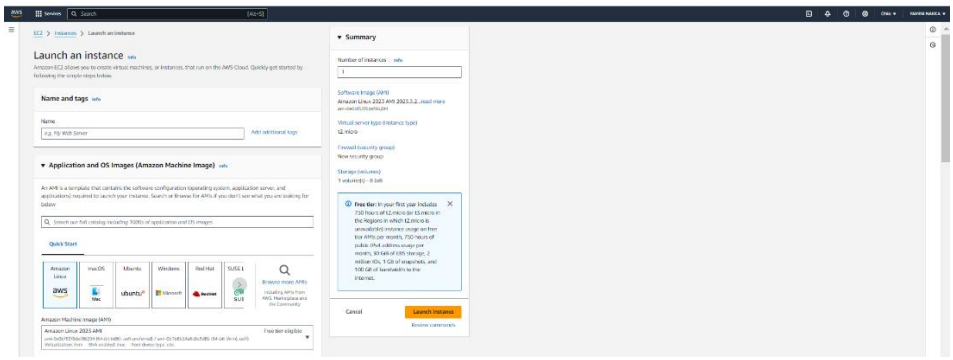
Pic-22

Then launch the instance of ec2 for ebs ,Now we have to give the details for our ec2(EBS)

Instance and then we have mention some details like we have name ,os type to start,

Instance type,key pair(login),network setting.

Finally click on launch instance(pic-23)

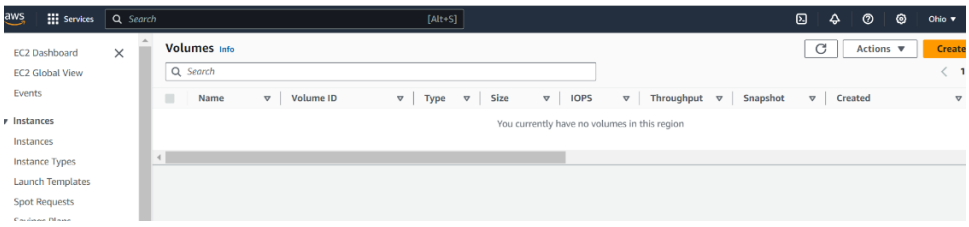


Pic-23

Now we created EBS EC2 instance successfully.

Now click on Elastic Block Store option from EC2 instance menu

Then click on volumes.(pic-24)

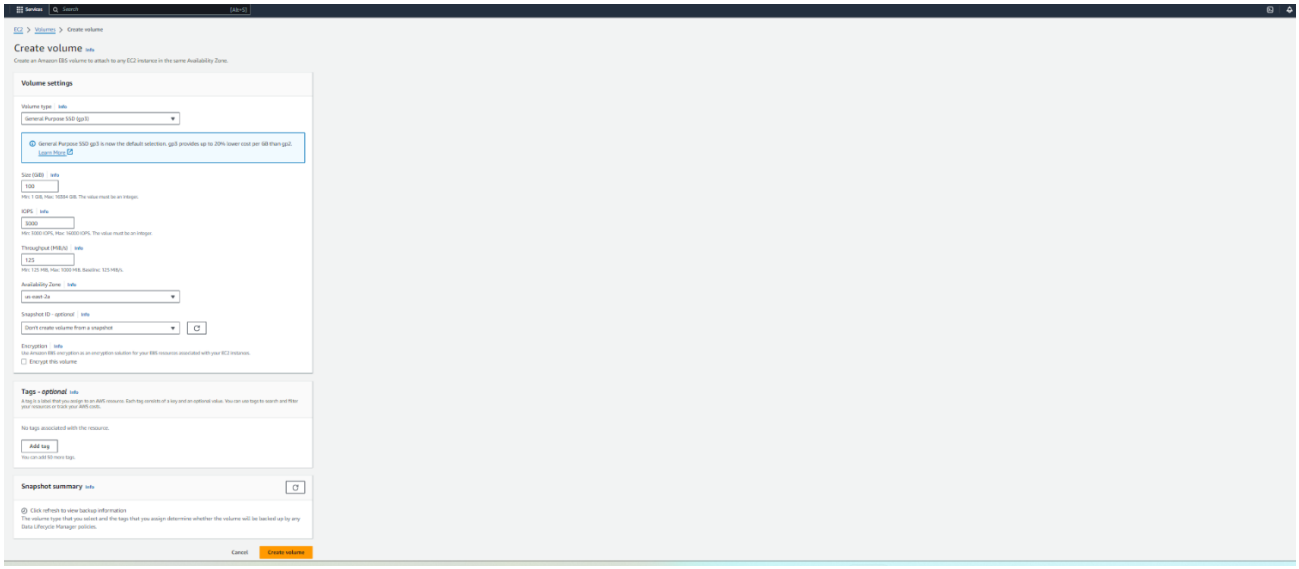


Pic-24

Create volume forEBS so that we have to give the details for volume

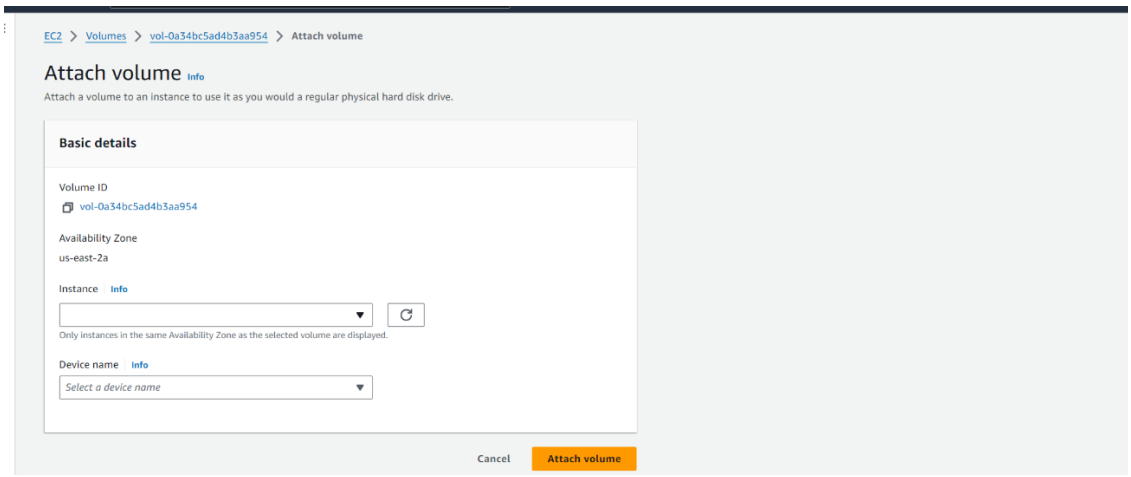
Type ,size,availability zone.

Finally click on create volume(pic-25)



Pic-25

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



Pic-26