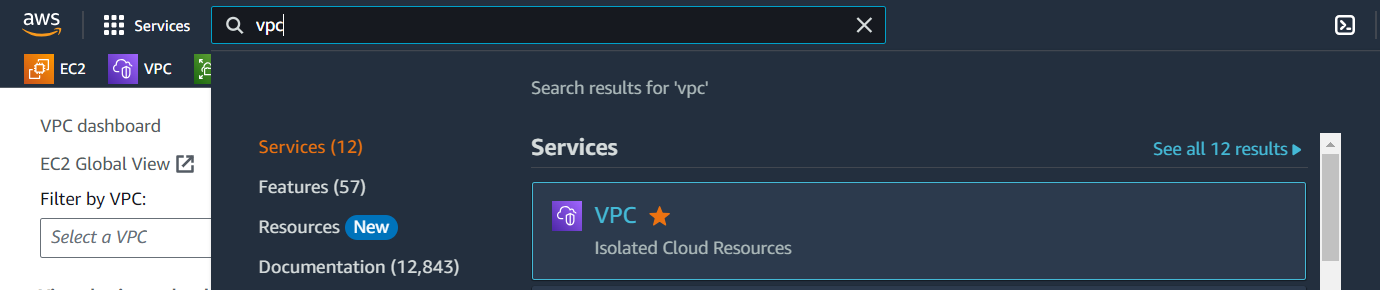
**ASSIGNMENT-1**

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

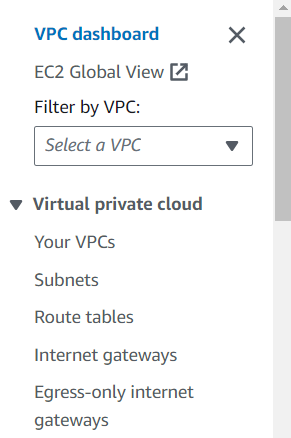
Create a virtual private cloud(VPC)

Search for VPC in search space of AWS home page and click on VPC (Pic-1)



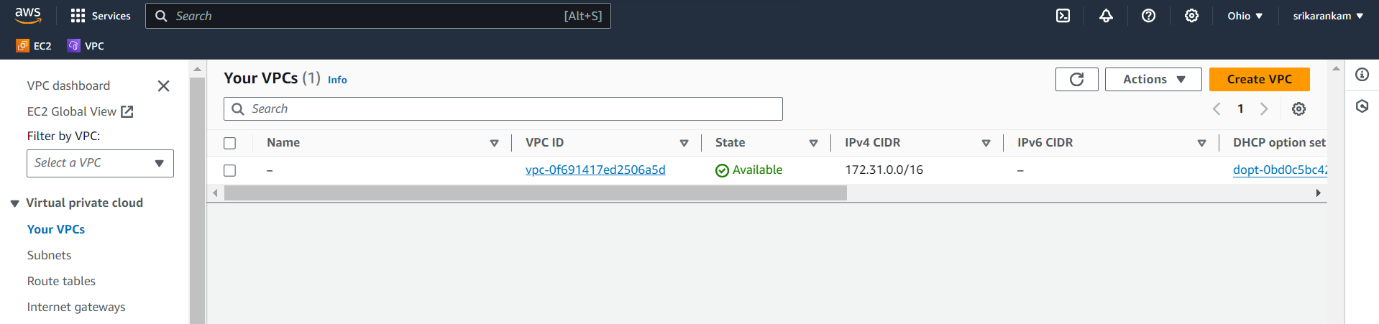
Pic-1

Now click on Your VPCs option from VPC menu of VPC page (Pic-2)



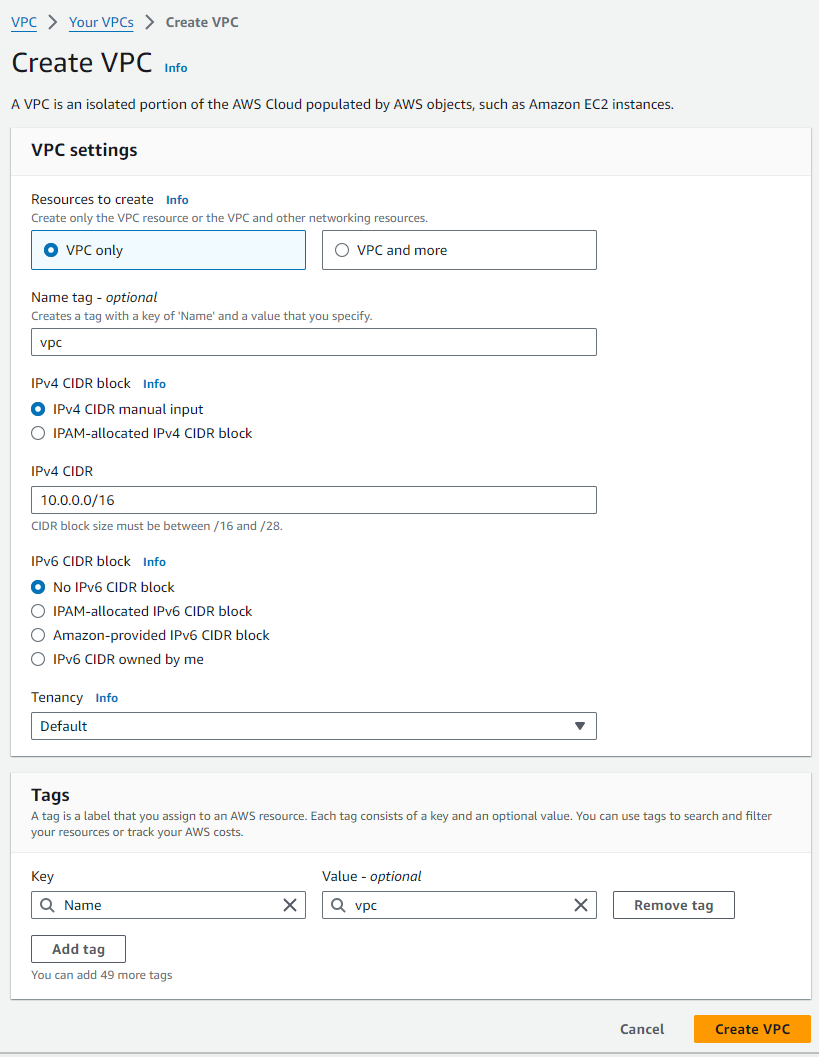
Pic-2

Now click on Create VPC to create our custom VPC (pic3)

Pic-3

Now We have to give the details for our VPC and

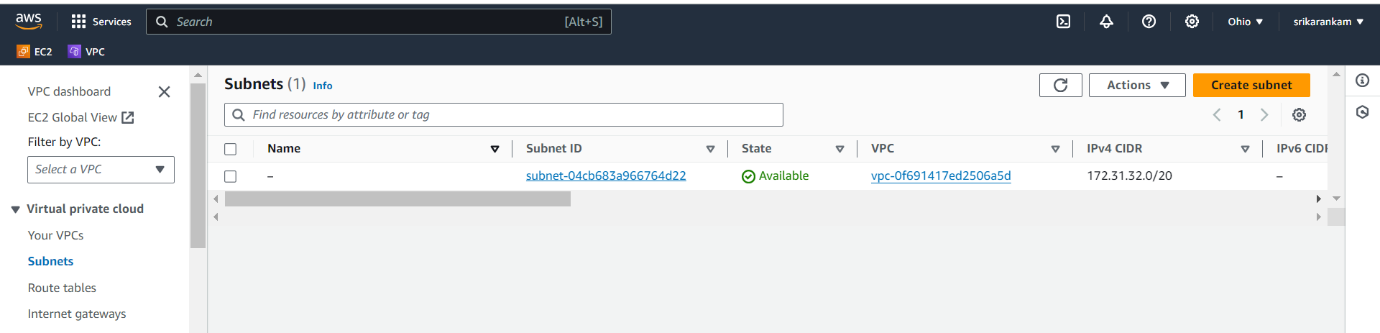
finally click on Create VPC(pic -4)



Pic-4

Now we created our custom VPC successfully.

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

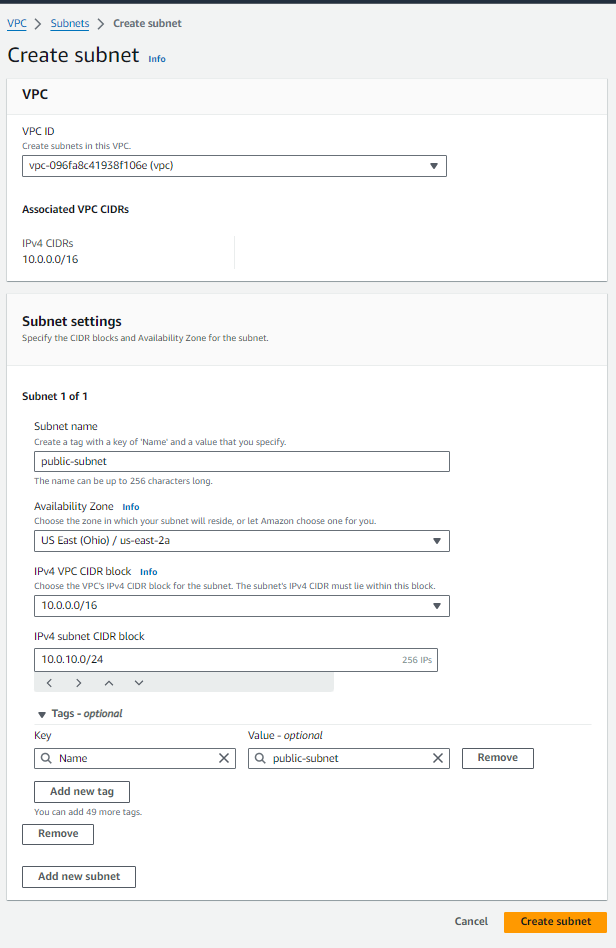


Pic-5

Then create two subnets public and private

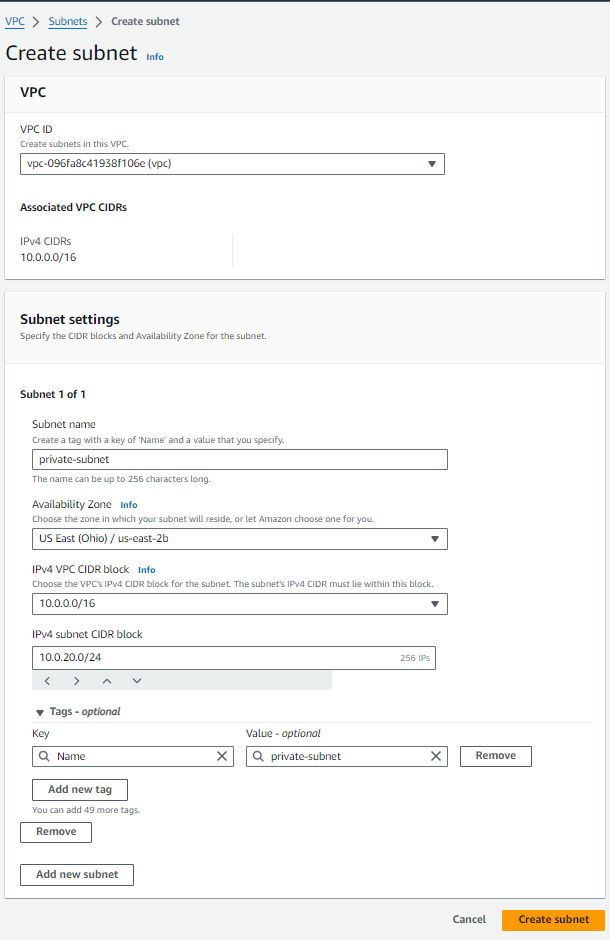
We have give the our custom VPC-ID,Subnet name, choose only one availability Zone,IPv4 subnet CIDR block, then finally create subnet

Public subnet(Pic-6)



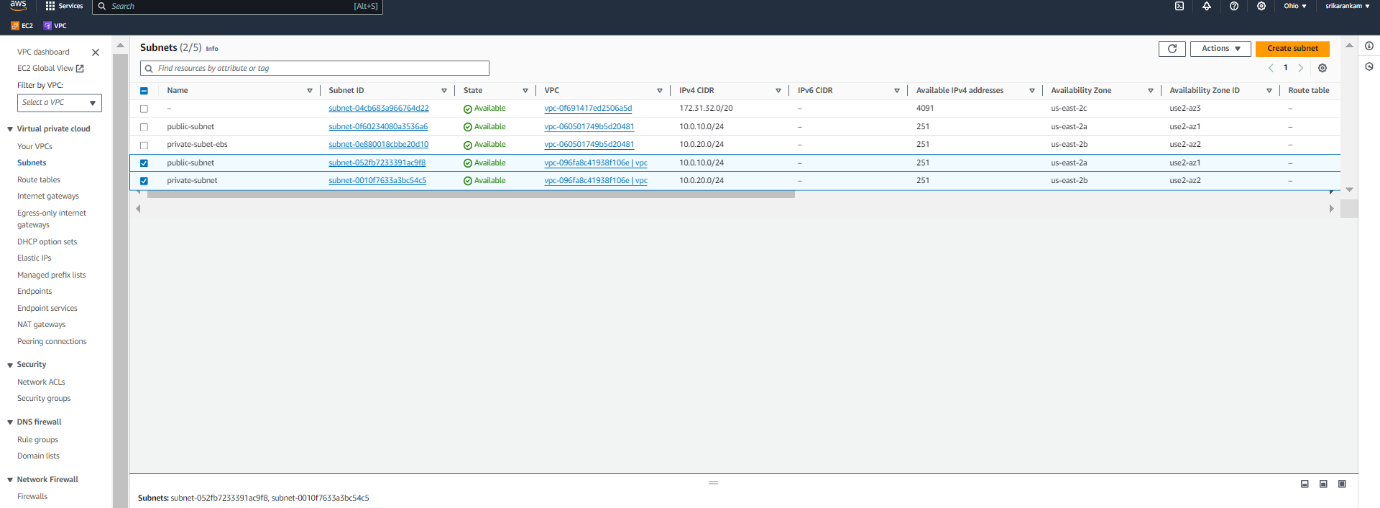
Pic-6

Private Subnet(pic-7)

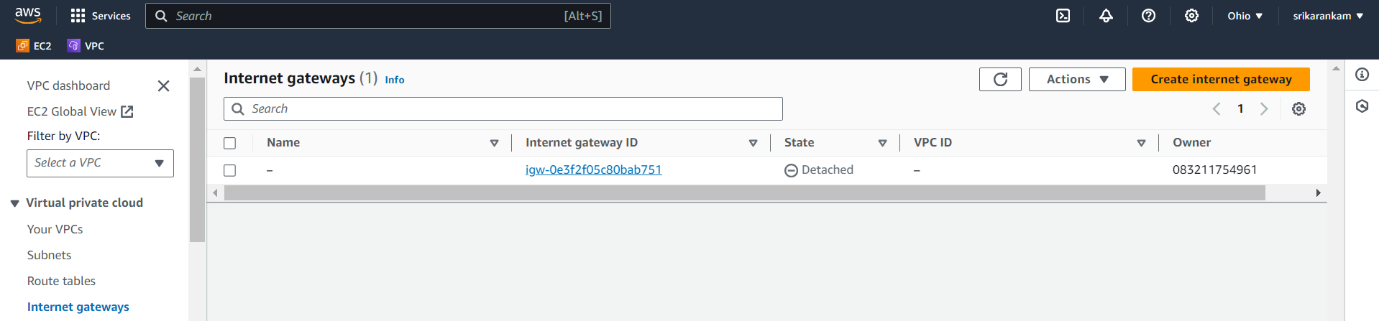


Pic-7

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)



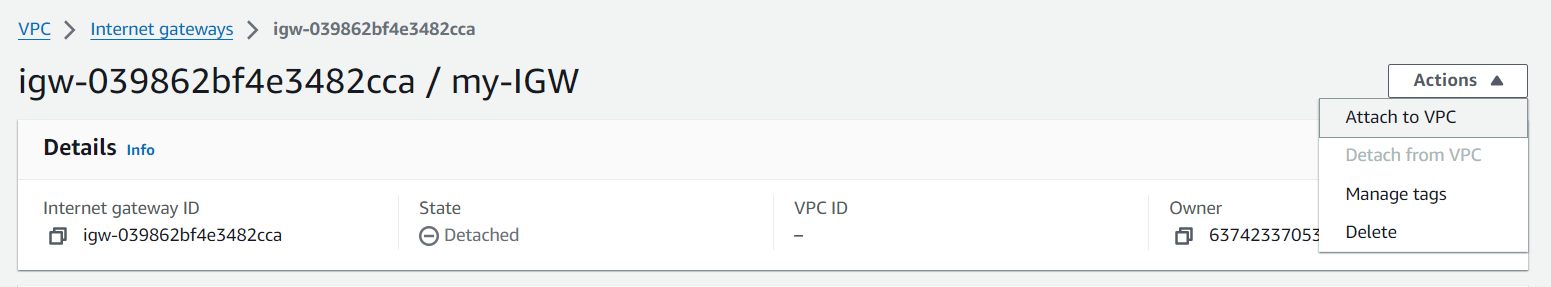
Pic-9

Now, we have give name to our internet gateway and finally click on Create internet gateway.(Pic-10)



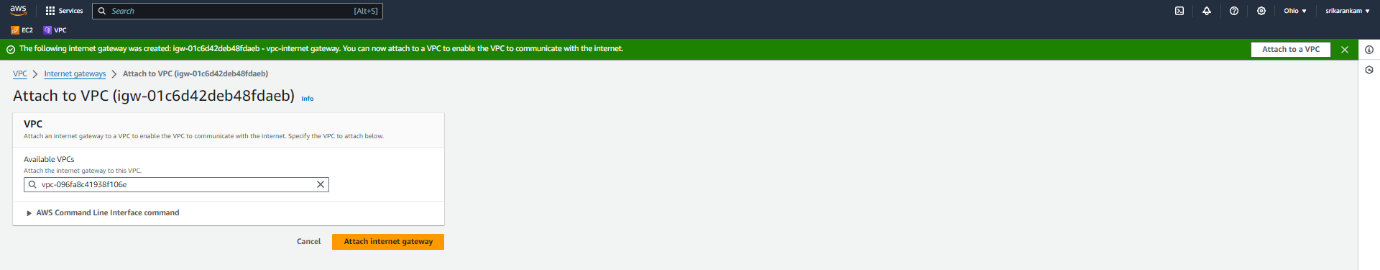
Pic-10

Then click on Actions and click on Attach to VPC(Pic-11)



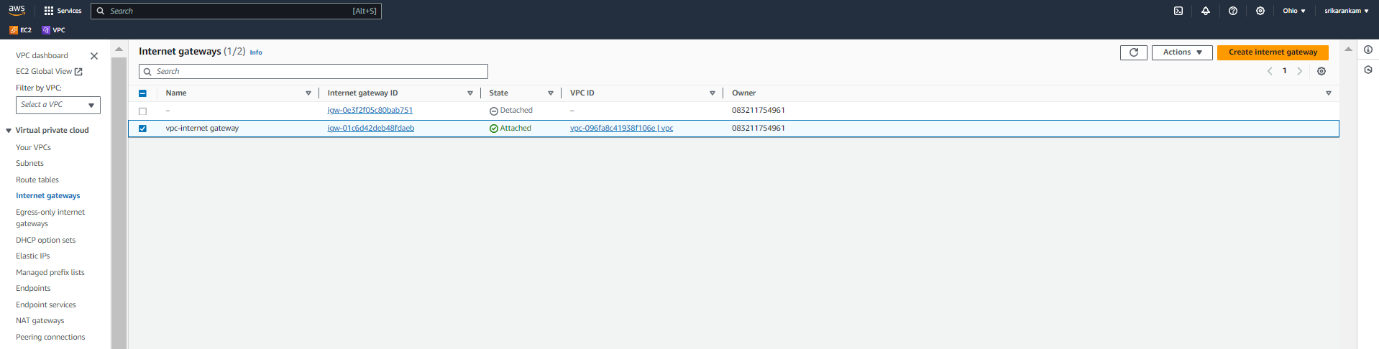
Pic-11

Now we have select our custom VPC in that Available VPCs so we already created it our custom VPC. and Finally click on Attach internet gateway.(Pic-12)



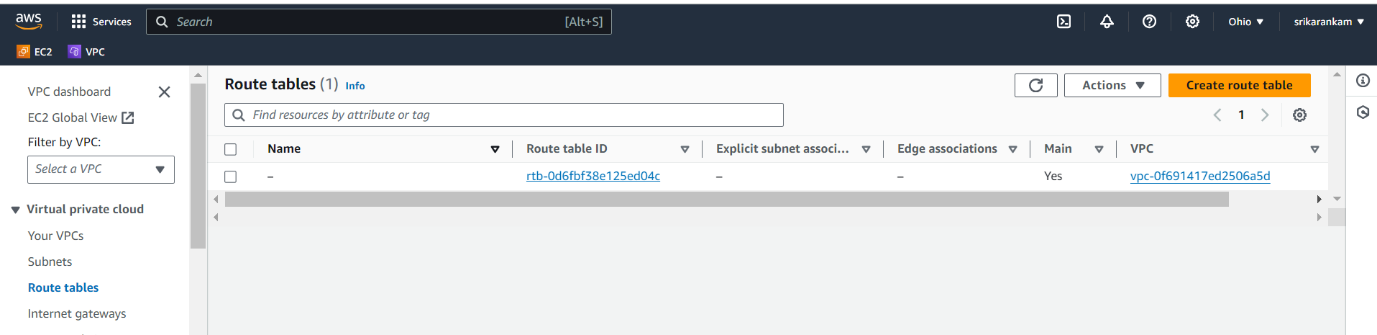
Pic-12

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



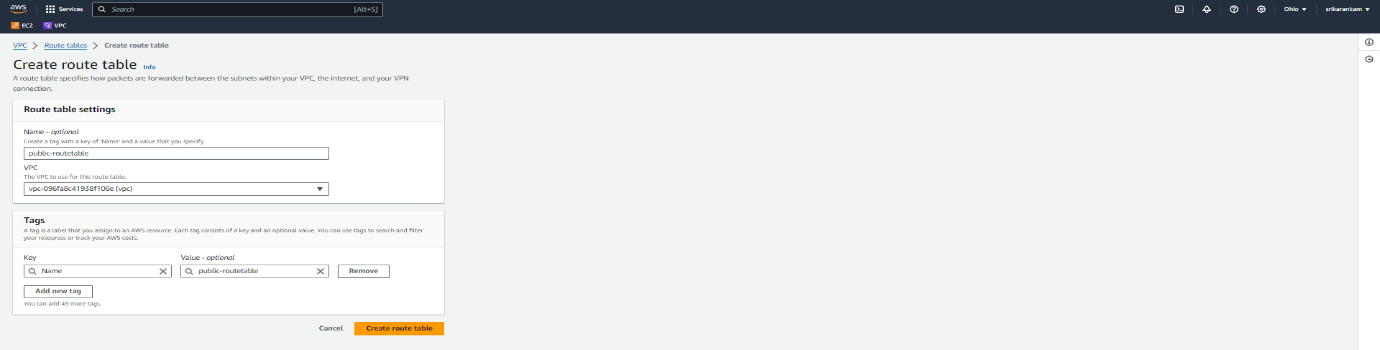
Pic-13

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)



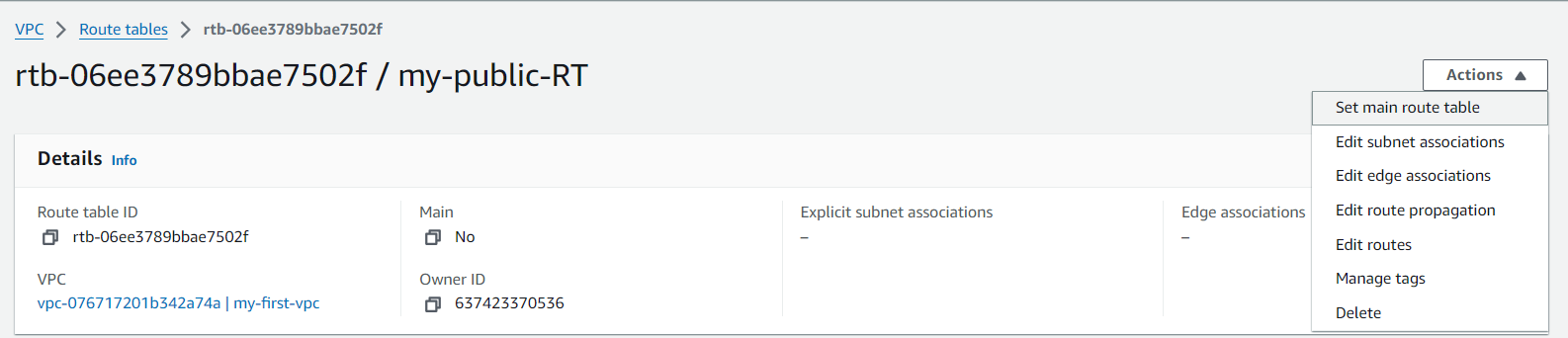
Pic-14

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



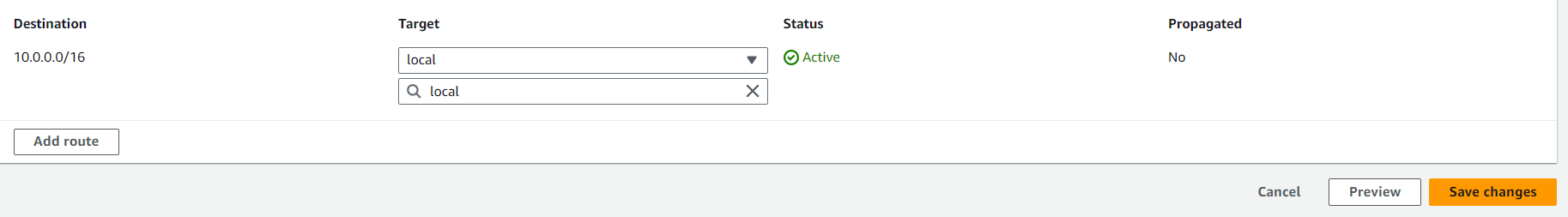
Pic-15

Now click on Actions, click on Edit routes (Pics-16)



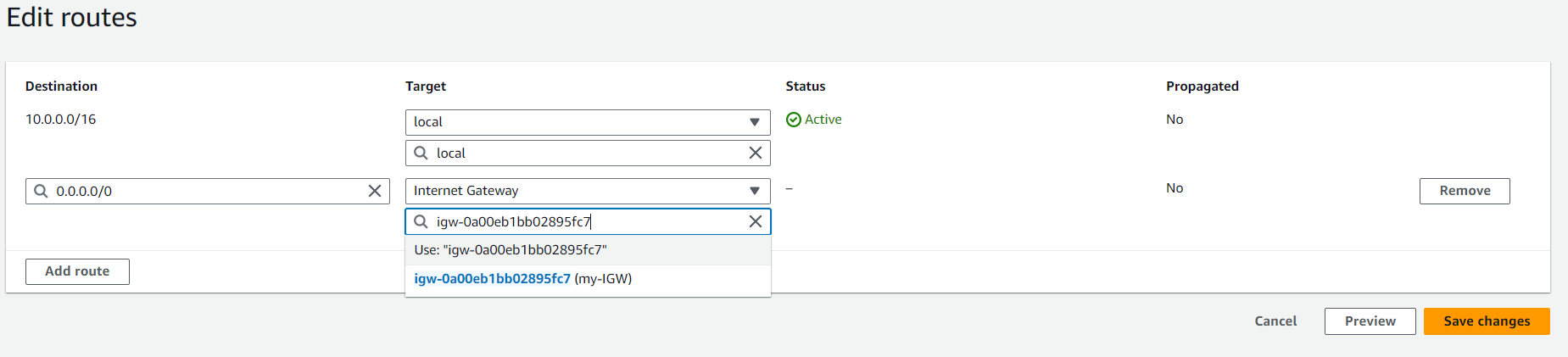
Pic-16

click on Add route. Select 0.0.0.0/0 as Destination(Pic-17)



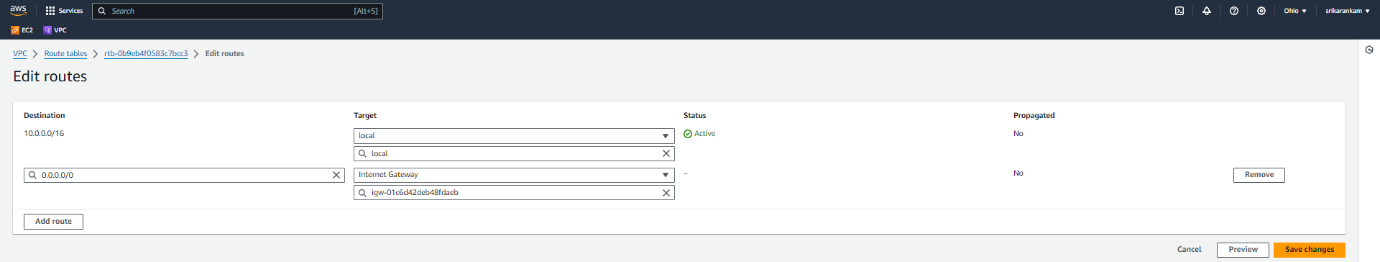
Pic17

Select Internet gateway from drop down list ,we have select use id like this igw-0e3f2f05c80bab751 and choose that one to our Internet gateway(Pic-18)



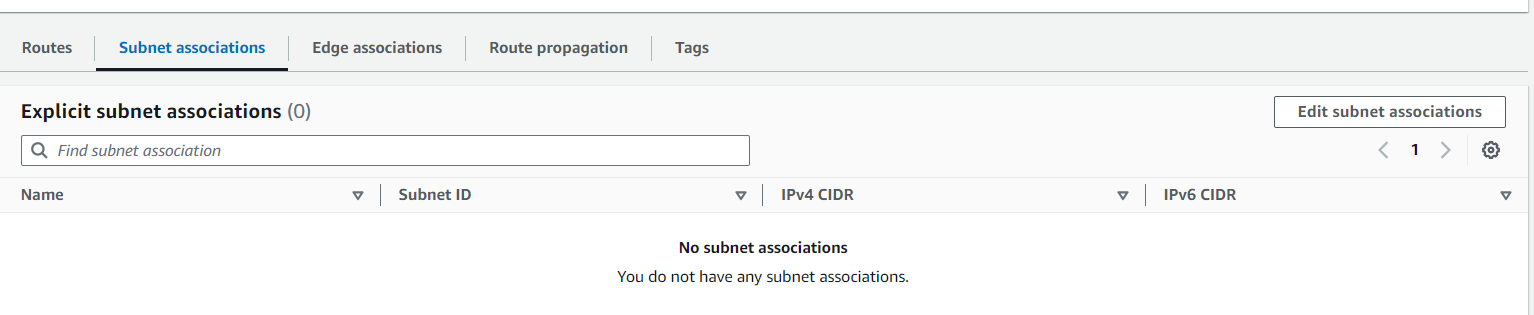
Pic18

finally click on Save changes.(pic-19)



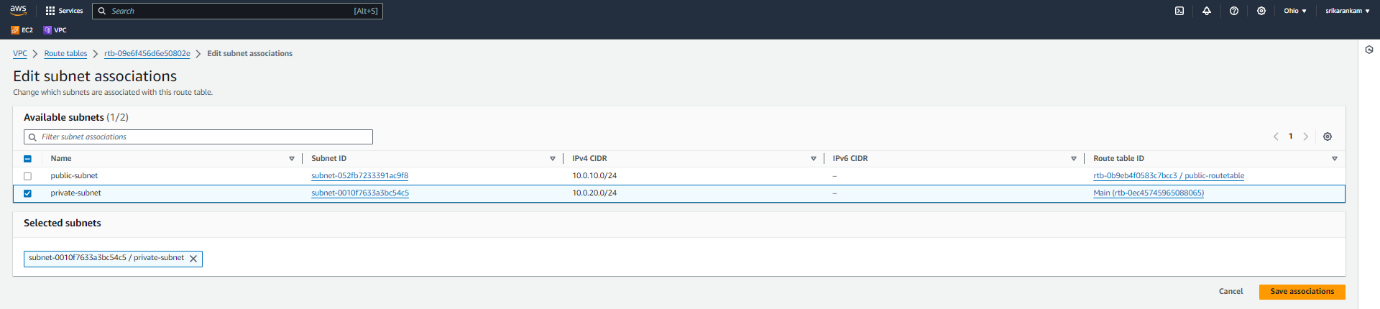
Pic19

Then click on Subnet associations and Edit subnet associations.(Pics-20)



Pic-20

Select public subnet check box and Save associations.(Pic-21)

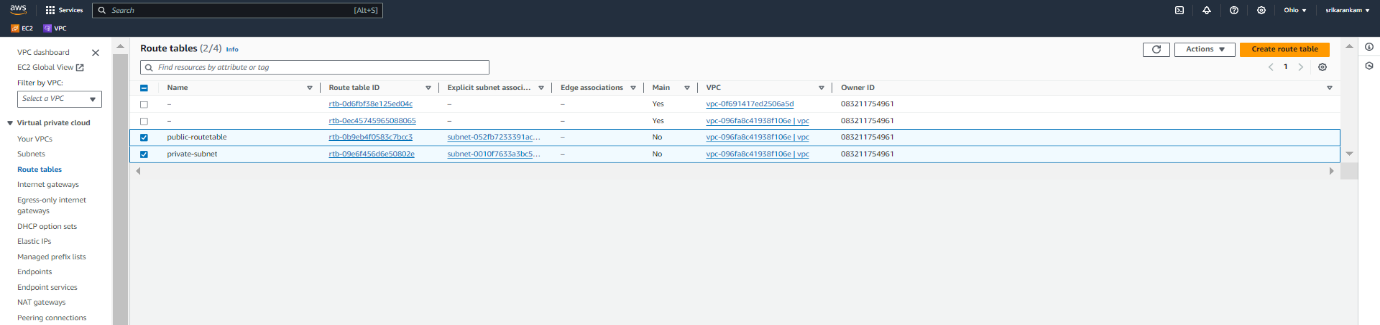


Pic-21

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-22)

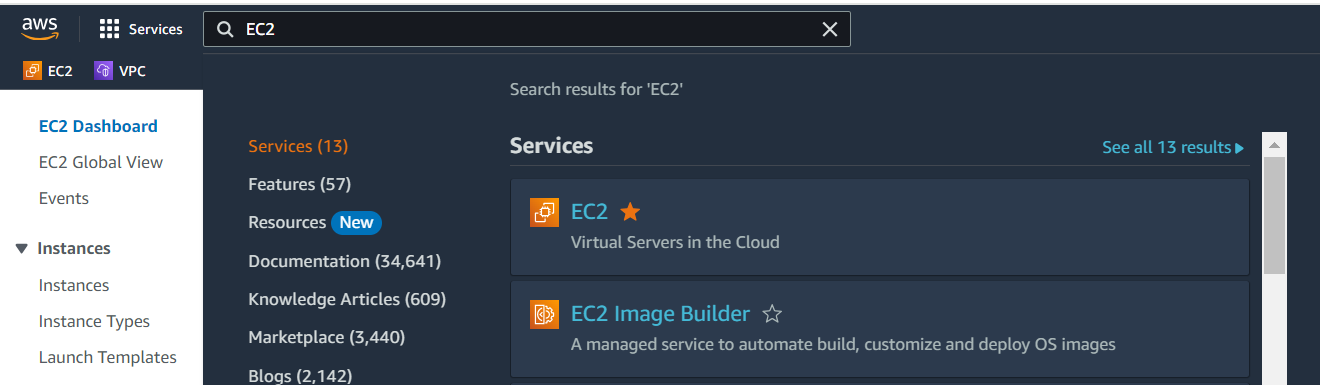


Pic-22

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

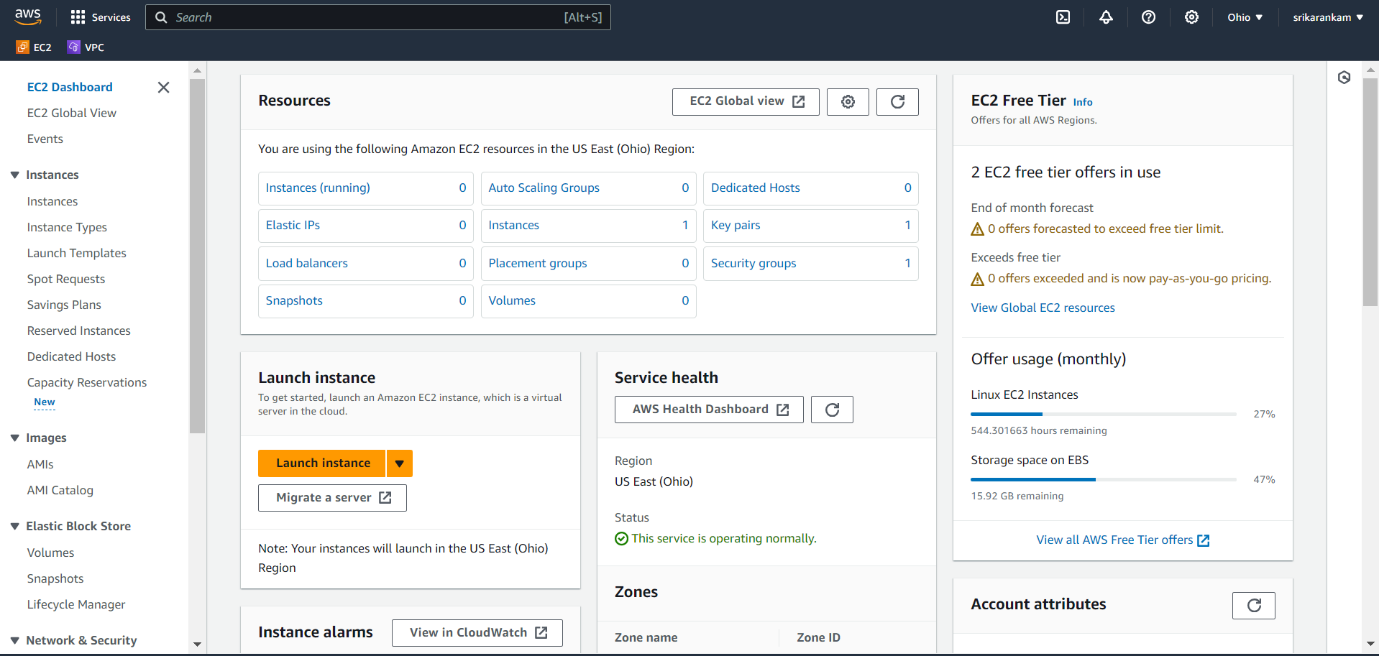
Create Three EC2 Instances

Search for EC2 in search space of AWS home page and click on EC2(Pic-23)



Pic-23

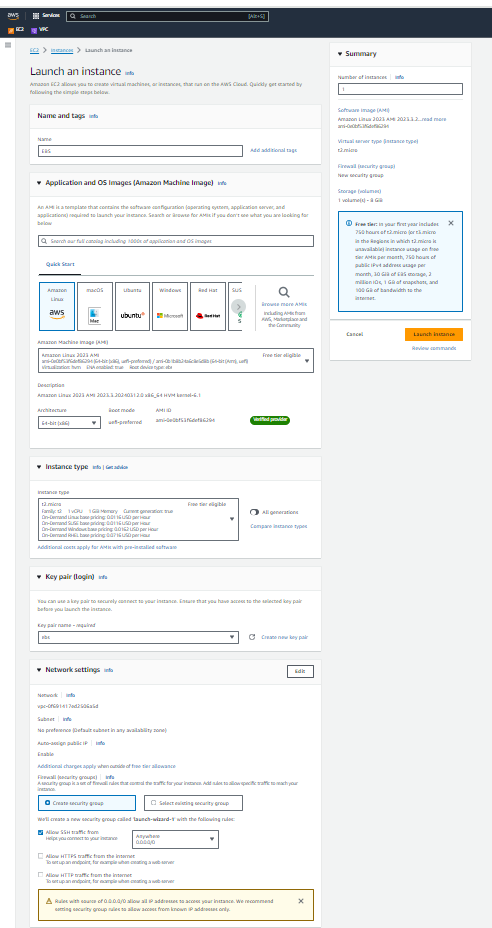
Now Create one ec2 instance to the elastic block storage(EBS).(Pic-24)



Pic-24

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,keypair(login),network setting.

finally click on Launch instance(Pic-25)

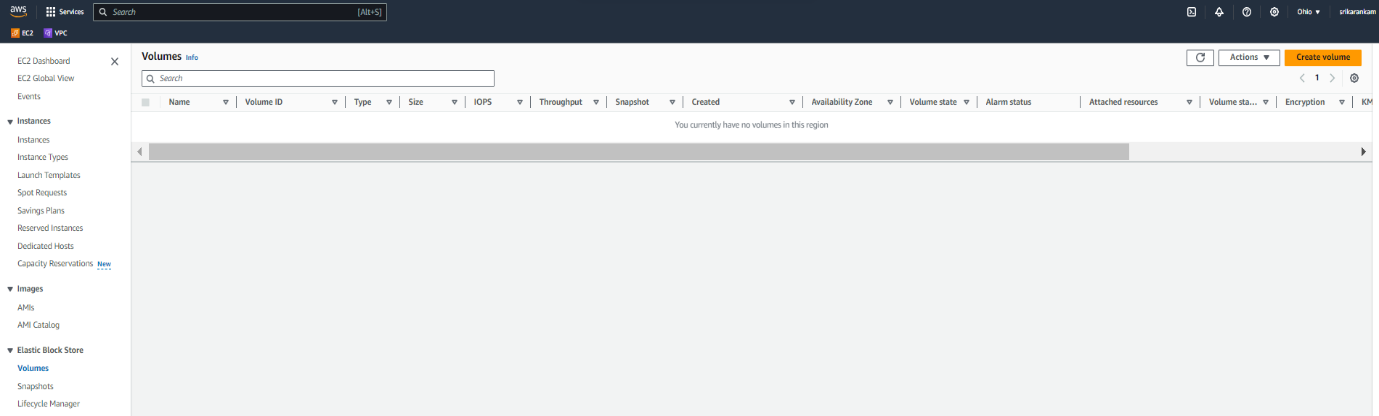


Pic-25

Now we created EBS EC2 Instance successfully.

Now click on Elastic Block Store option from EC2 instance menu

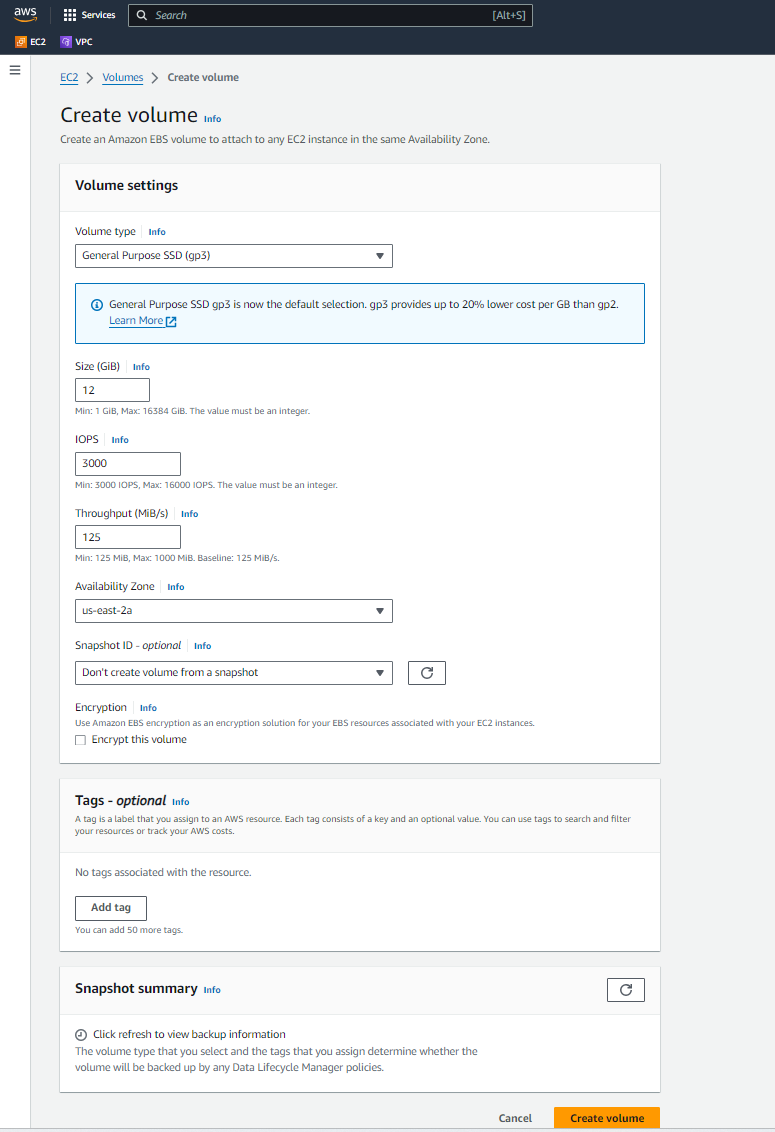
Then click on volumes.(Pic-26)



Pic26

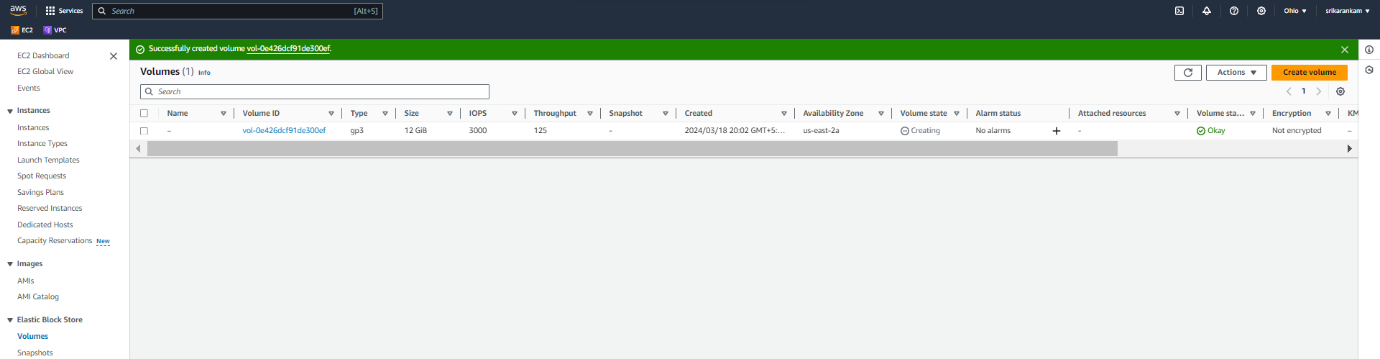
create Volume for EBS so that We have to give the details for volume type,size,availability zone.

finally click on create volume(Pic-27)



Pic-27

Once the volume has been create click on actions in that attach volume(Pic-28)



Pic-28