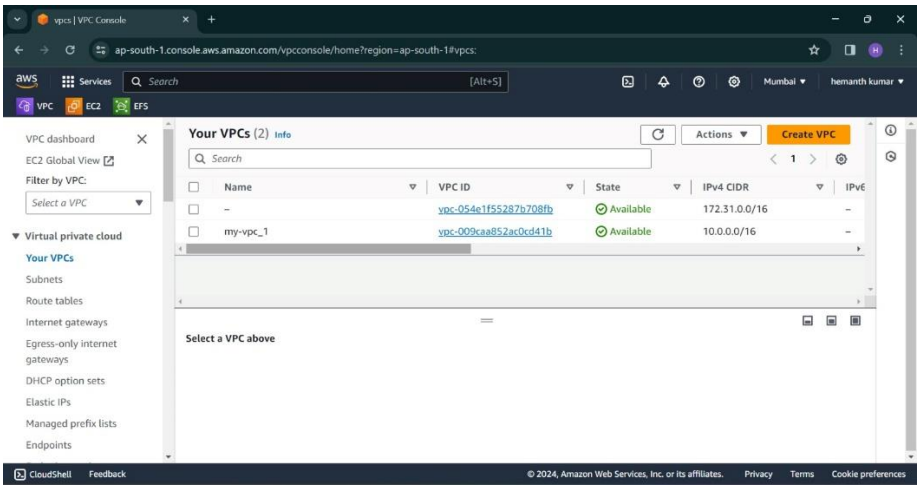
ASSIGNMENT

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

---

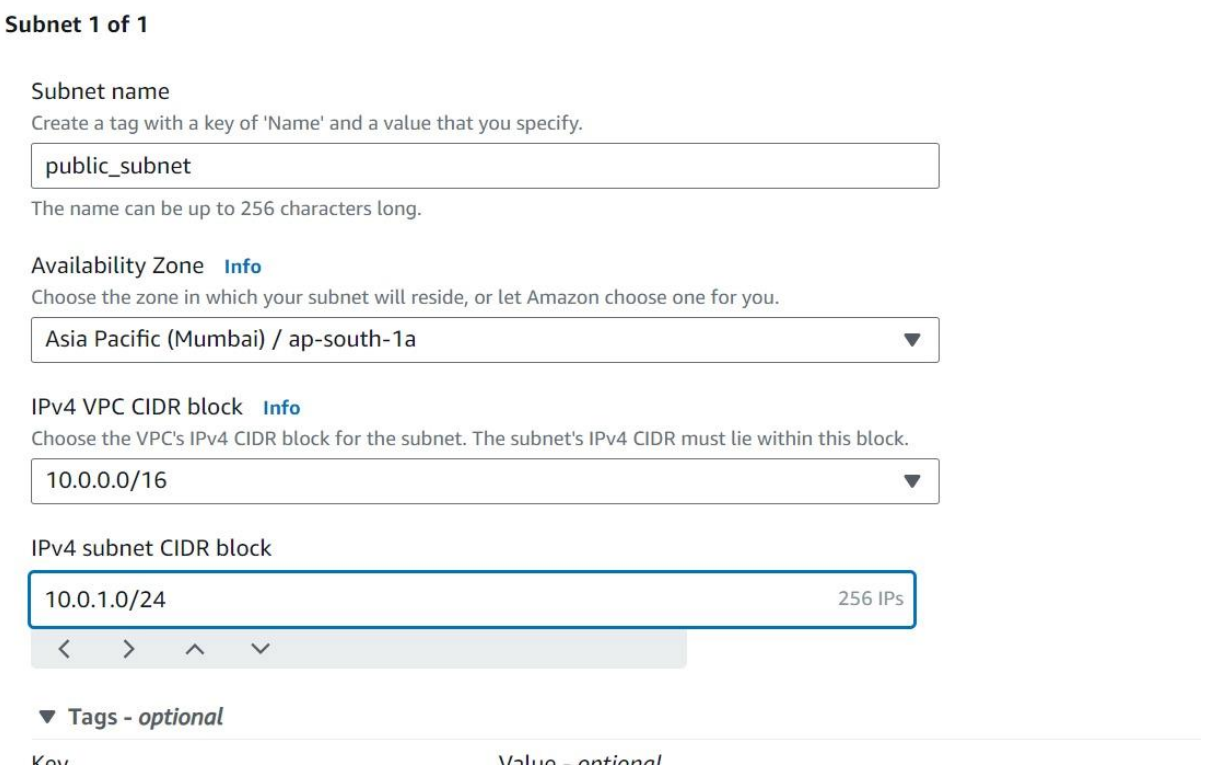
Create a VPC(virtual private cloud)

Now click on Create VPC to create our custom VPC



Now We have to give the details for our VPC and

finally click on Create VPC



Now we created our custom VPC successfully.

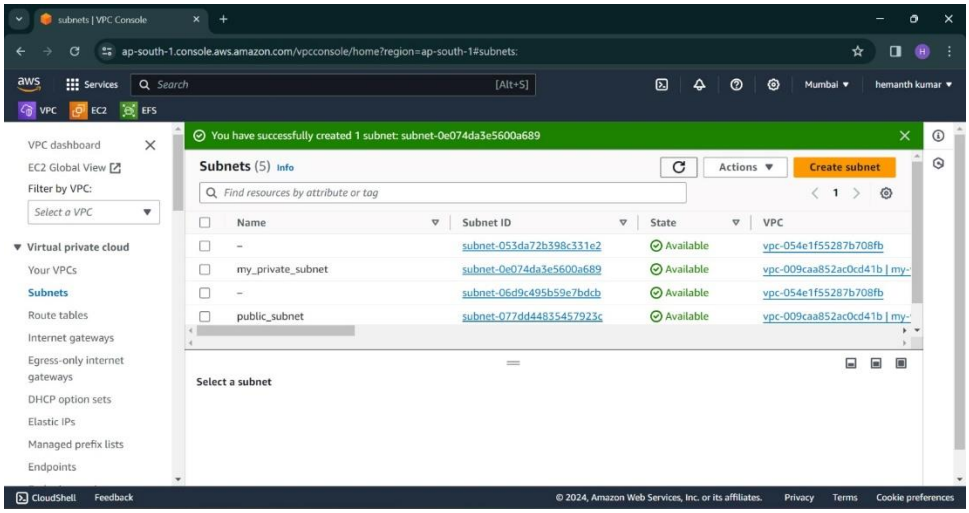
Now click on Subnets to create Subnets to our custom VPC

Then create two subnets

public and private

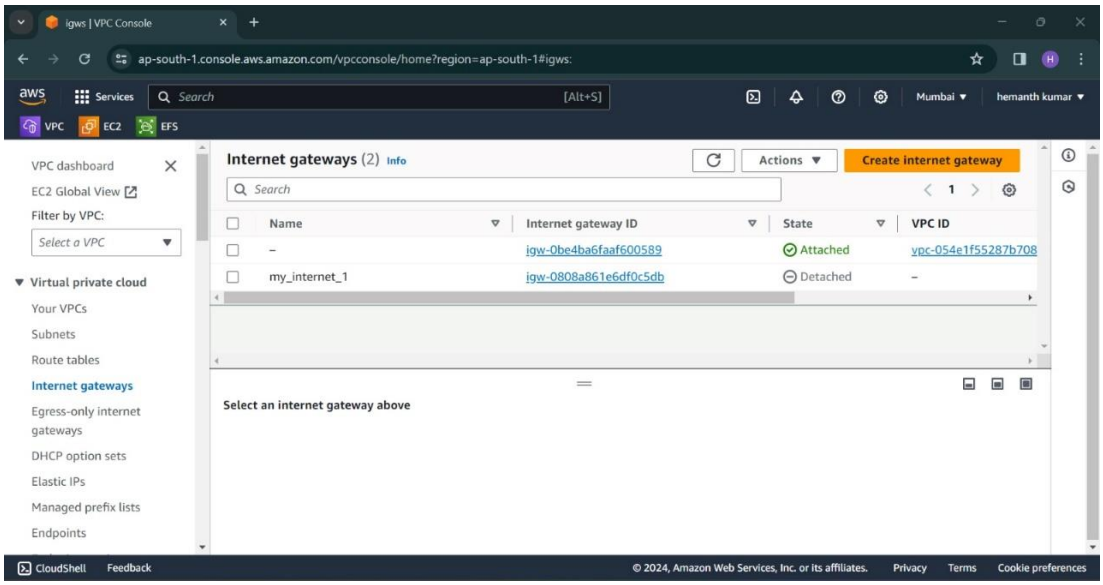
We have select the our custom VPC-ID,Subnet name, choose only one availability Zone,IPv4 subnet CIDR block to give the IP, then finally create subnet

Now we created two Subnets to our custom VPC successfully

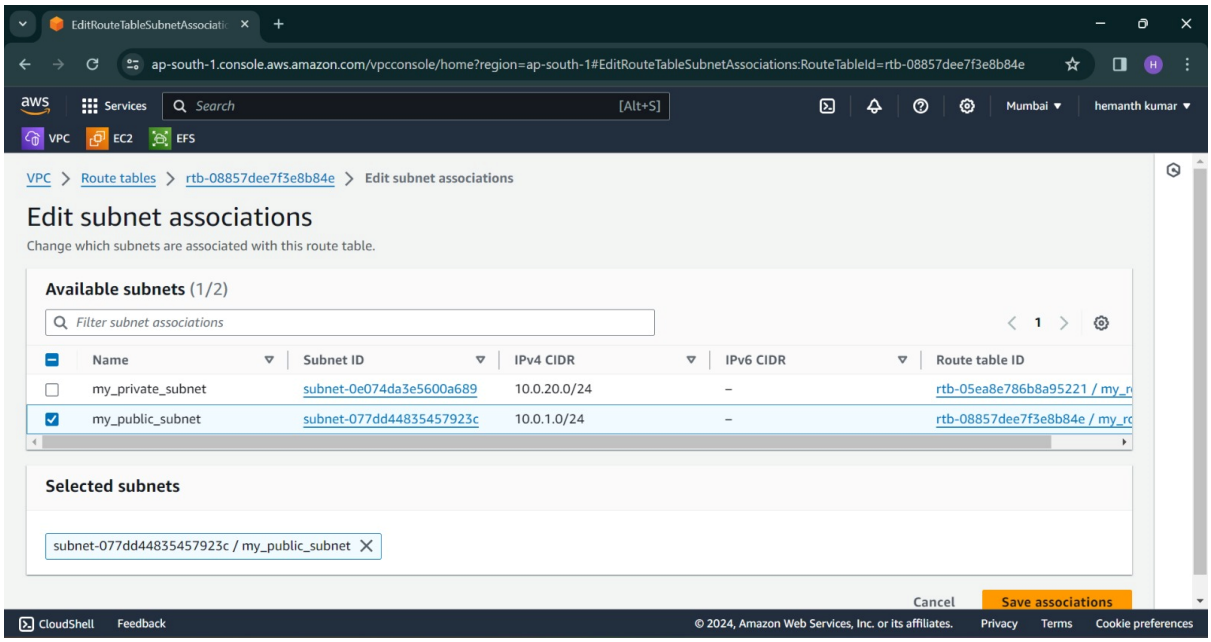


Now, we have give name to our internet gateway and finally click on Create internet gateway.

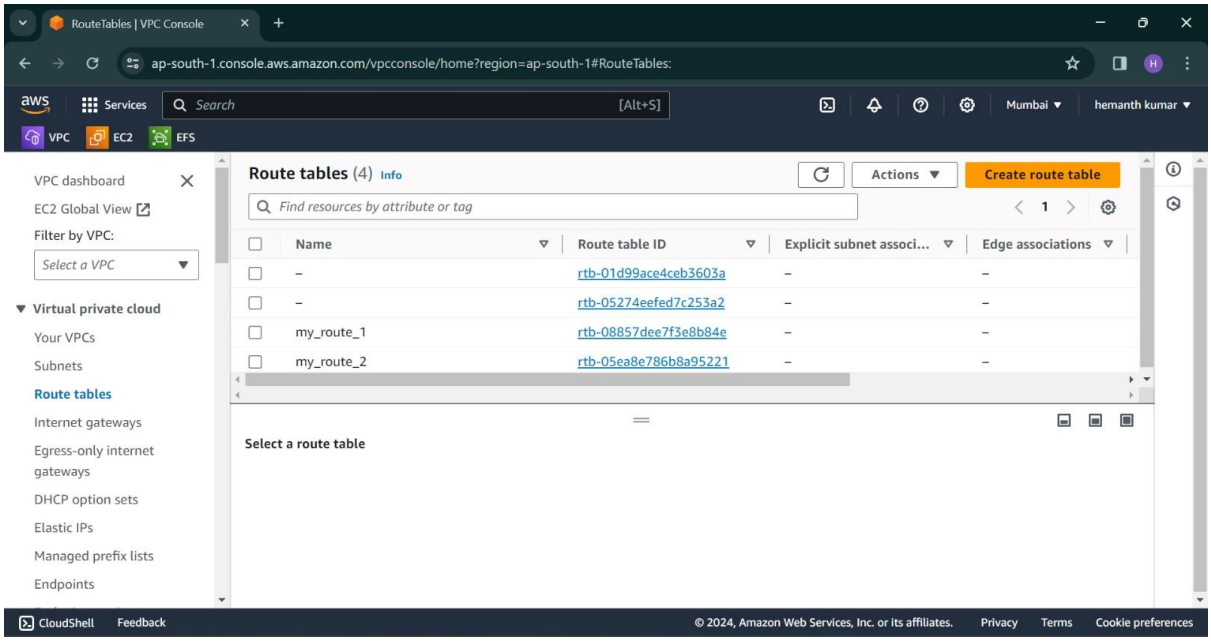
Public subnet:



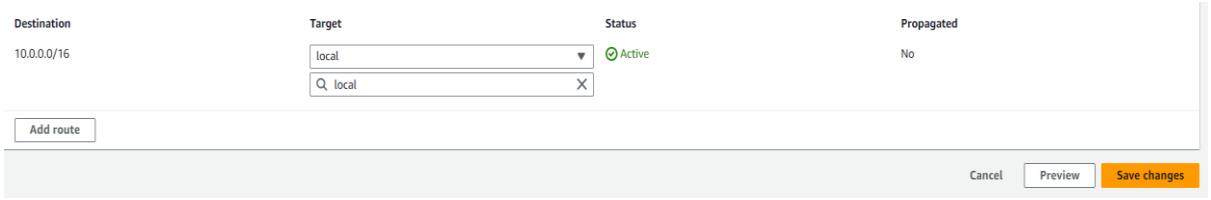
Private subnet:



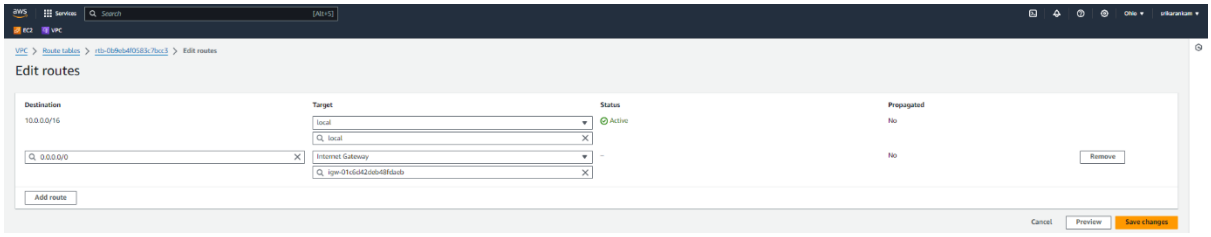
Now we have to create 2 route tables (one is public and another one is private). Click on Route tables from menu bar and click on Create route table



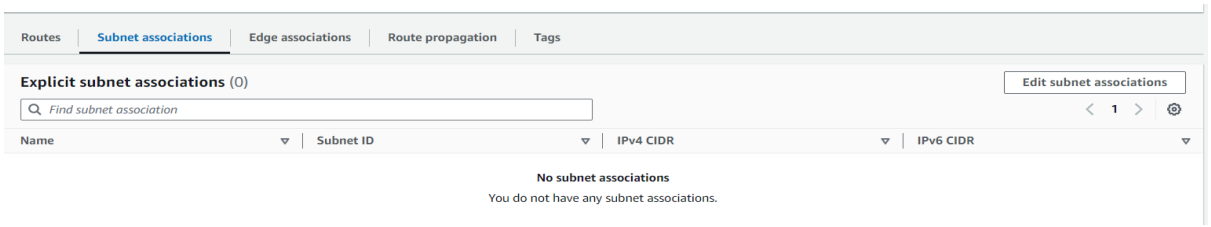
click on Add route. Select 0.0.0.0/0 as Destination



finally click on Save changes



Then click on Subnet associations and Edit subnet associations



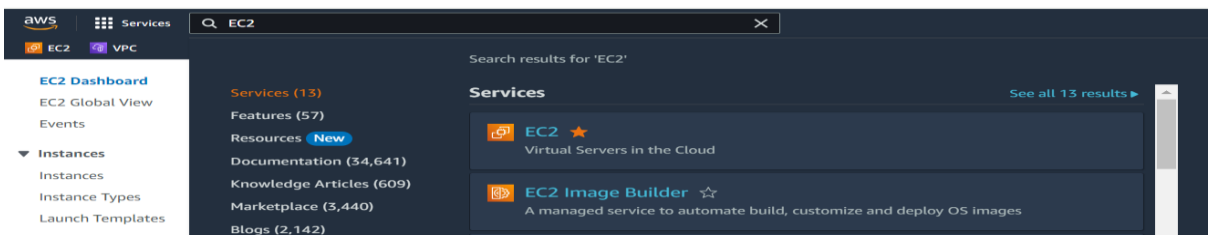
Create one more route table (private-subnet) and associate with private subnet.

Now we created two route table

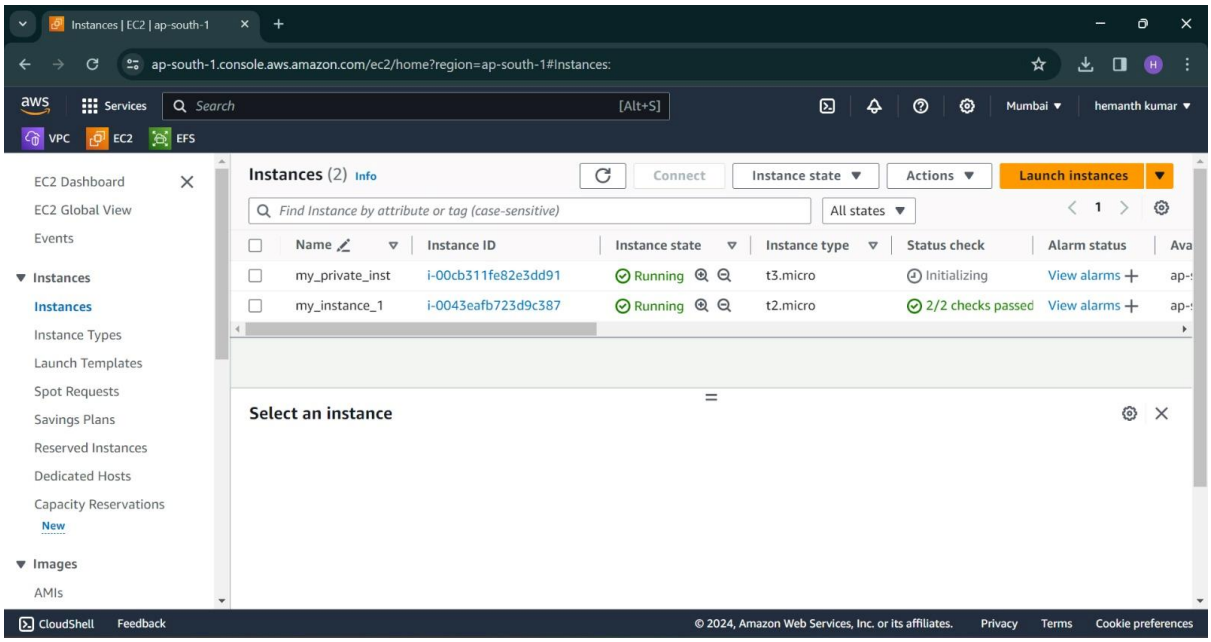
VPC with 2 subnets and 2 route tables and internet gateway successfully created.

Create one EC2 Instances

Search for EC2 in search space of AWS home page and click on Ec2



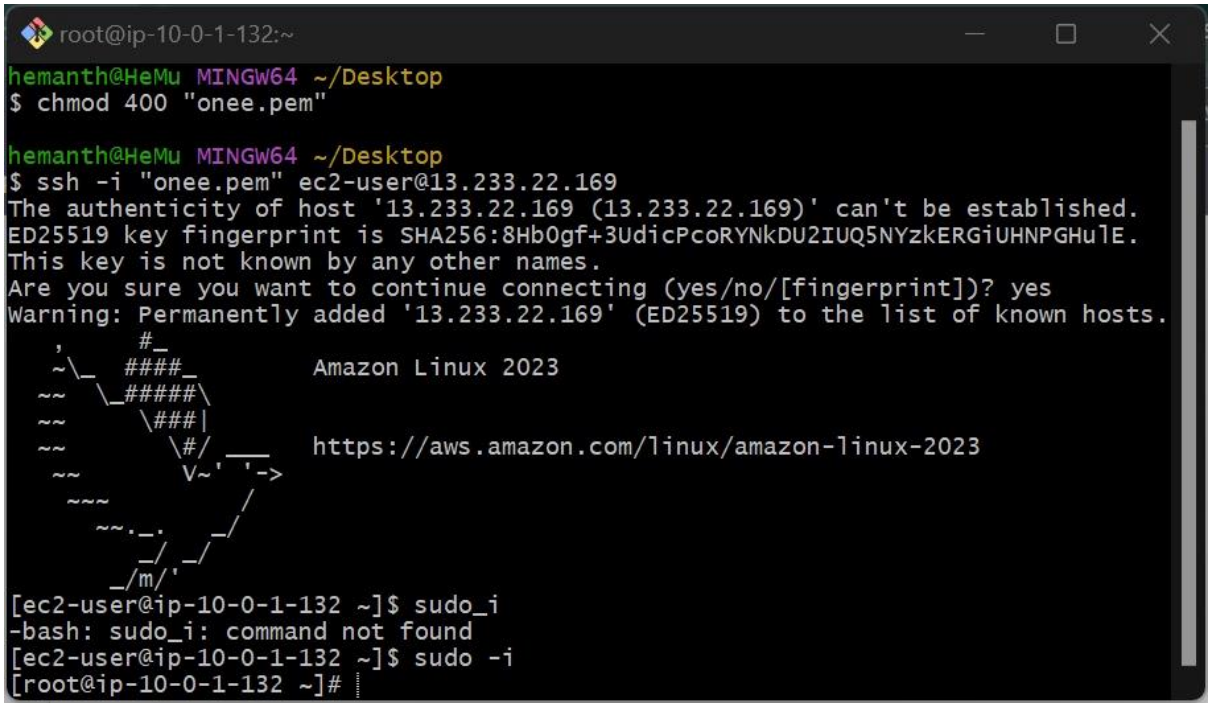
Now Create one ec2 instance



Then launch the ec2 instance, then 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.

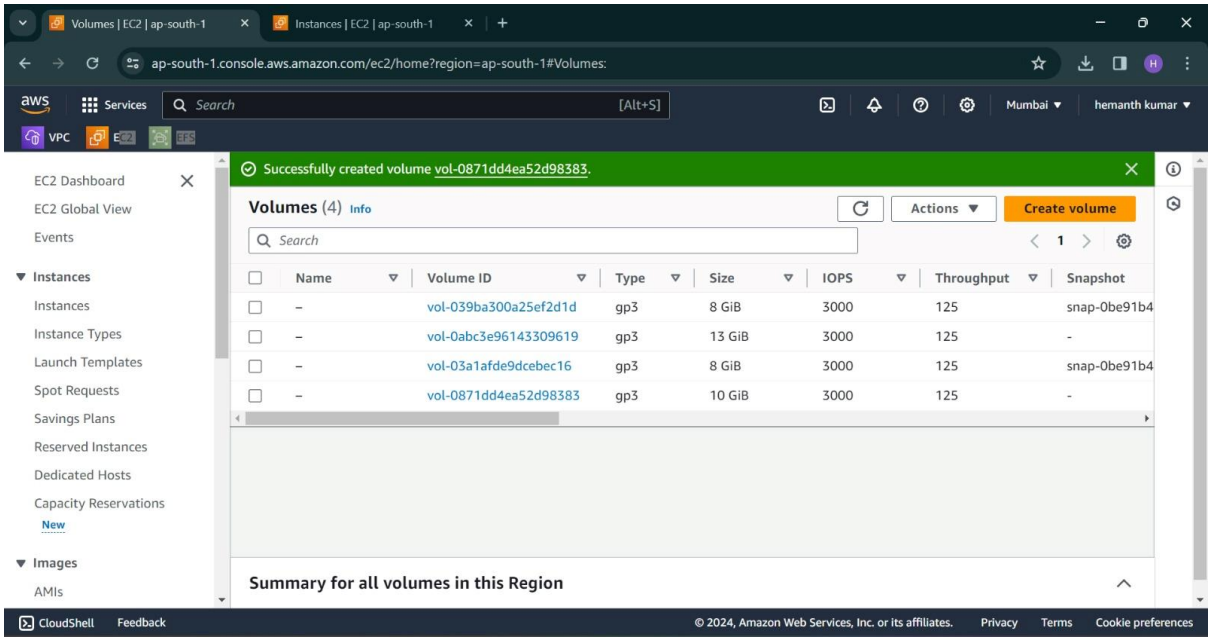
click on Launch instance

Now we created one EC2 Instance successfully.



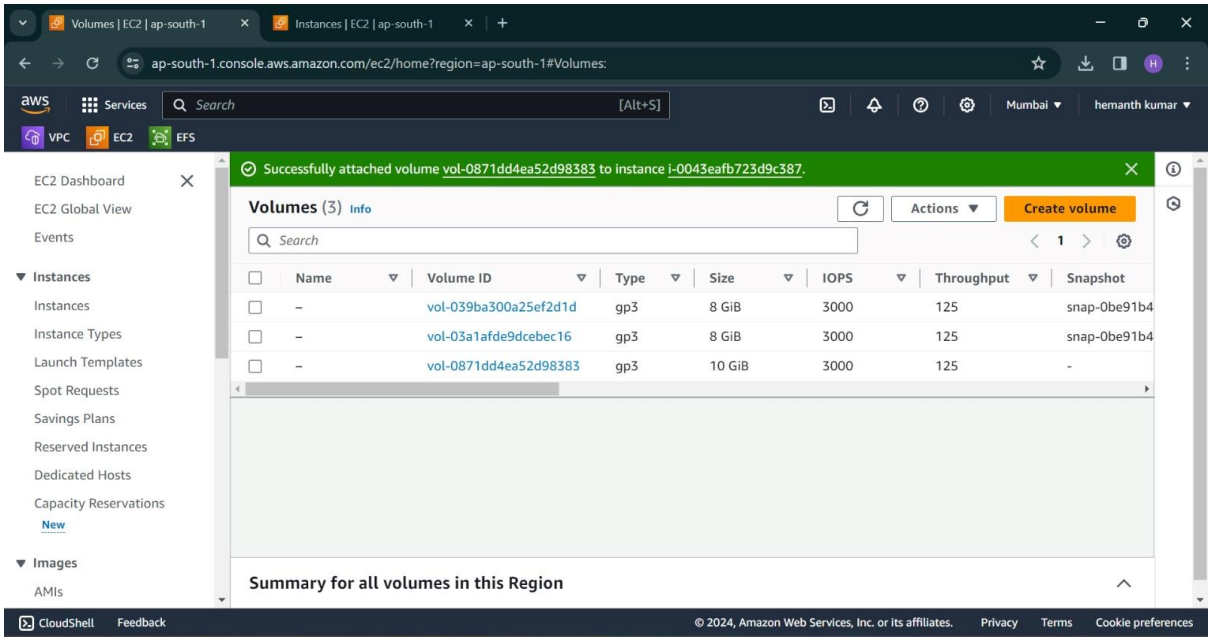
Now click on Elastic Block Store option from EC2 instance menu

Then click on volumes.



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

Then click on create volume



The volume created successfully

The volume is given 10 Gib.

Once the volume has been create click on actions in that click on attach volume

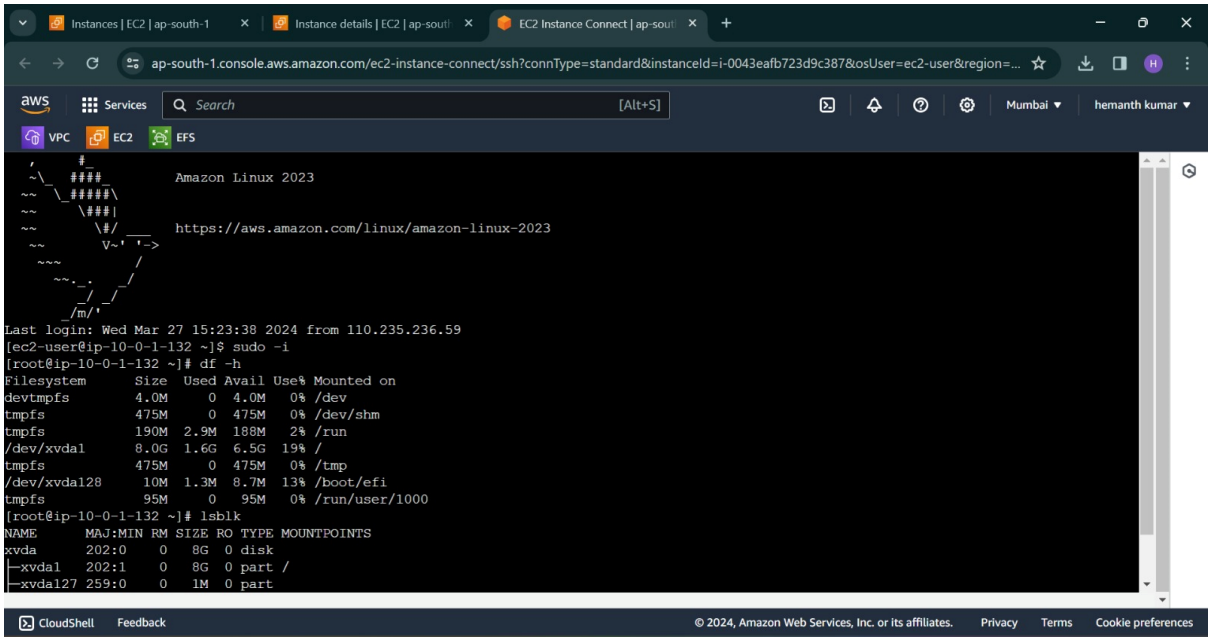
Click on SSH client in connect to instance page

Now go to Gitbash window

Run this commands, to give permission

chmod 400 "ebs.pem"

copy the ssh

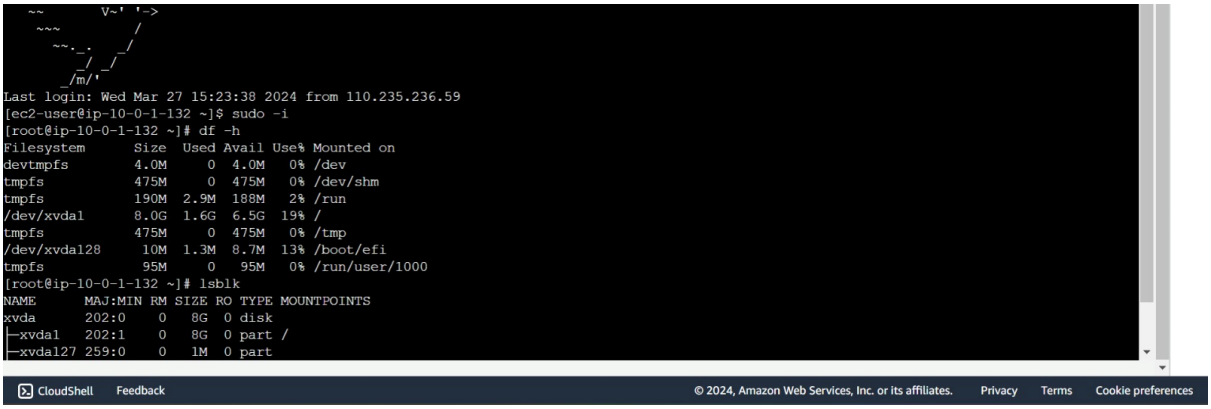


Run this commands

sudo -i (to change to root user)

df –h (to check the disk space)

lsblk (to list out block devices)



Then Run is command

Clear (to clear the screen)

Finally our volume is attached.