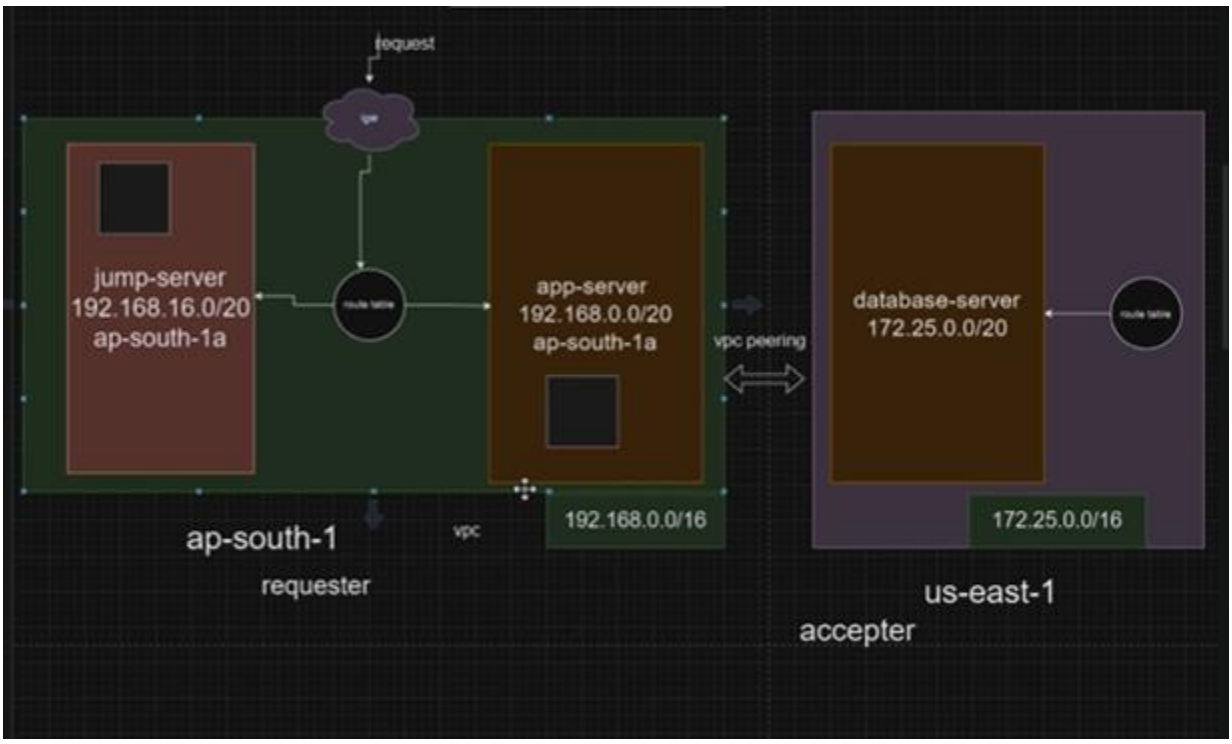
VPC DOCUMENTATION

Dig.1



Step1:- According to diagram we have to create two VPC in two different regions such as in **mumbai ap-south-1(192.168.0.0/16)** and in **N.Vergenia us-east-1(172.25.0.0/16).**

Step2:- Now in Mumbai region create two subnets:-

1. Jump server i.e public server(ap-south-1a)
   Ip address:- 192.168.16.0/20
2. App server i.e private server(ap-south-1a)

Ip address:- 192.168.0.0/20

Step 3:- And one subnet in n.vergenia us-east-1

Data-server is private server

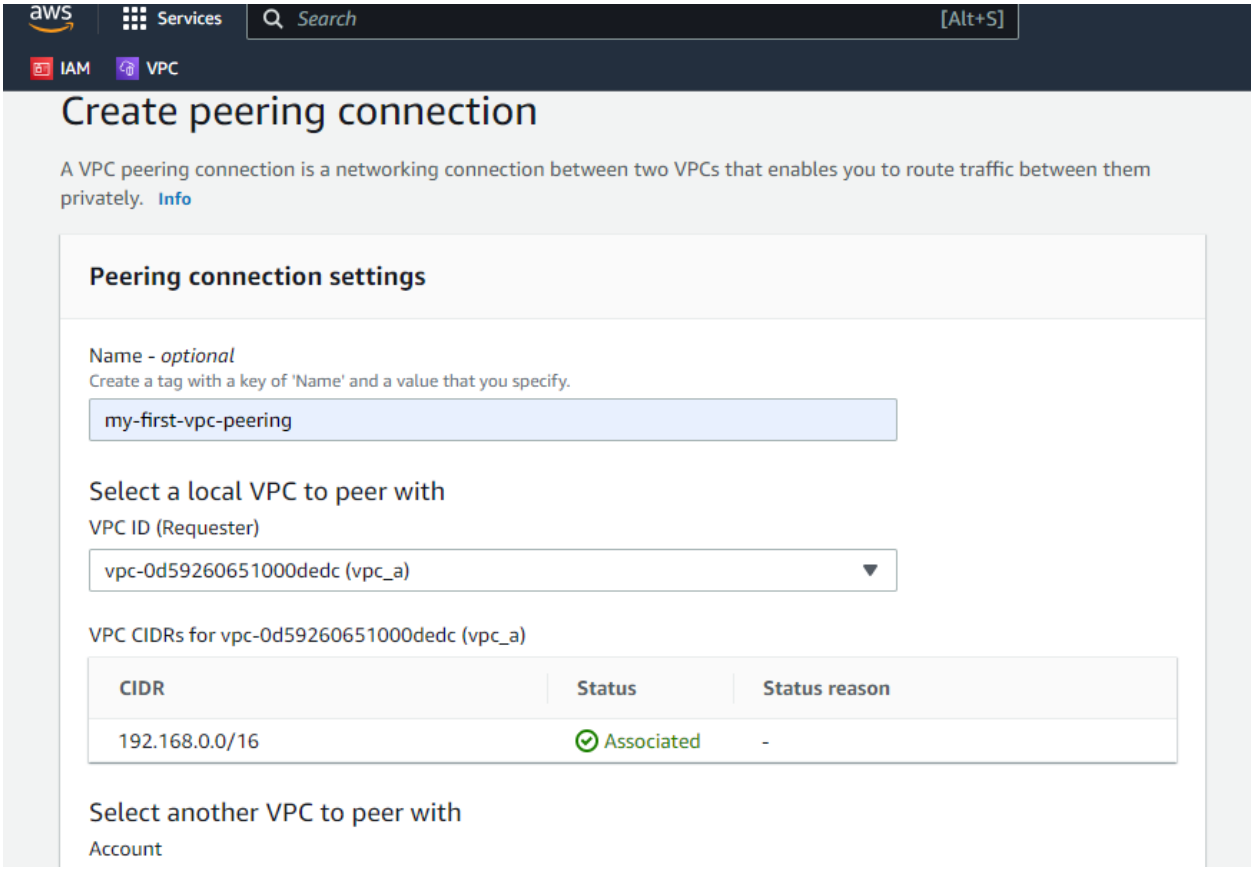
Ip address:- (172.25.0.0/20)

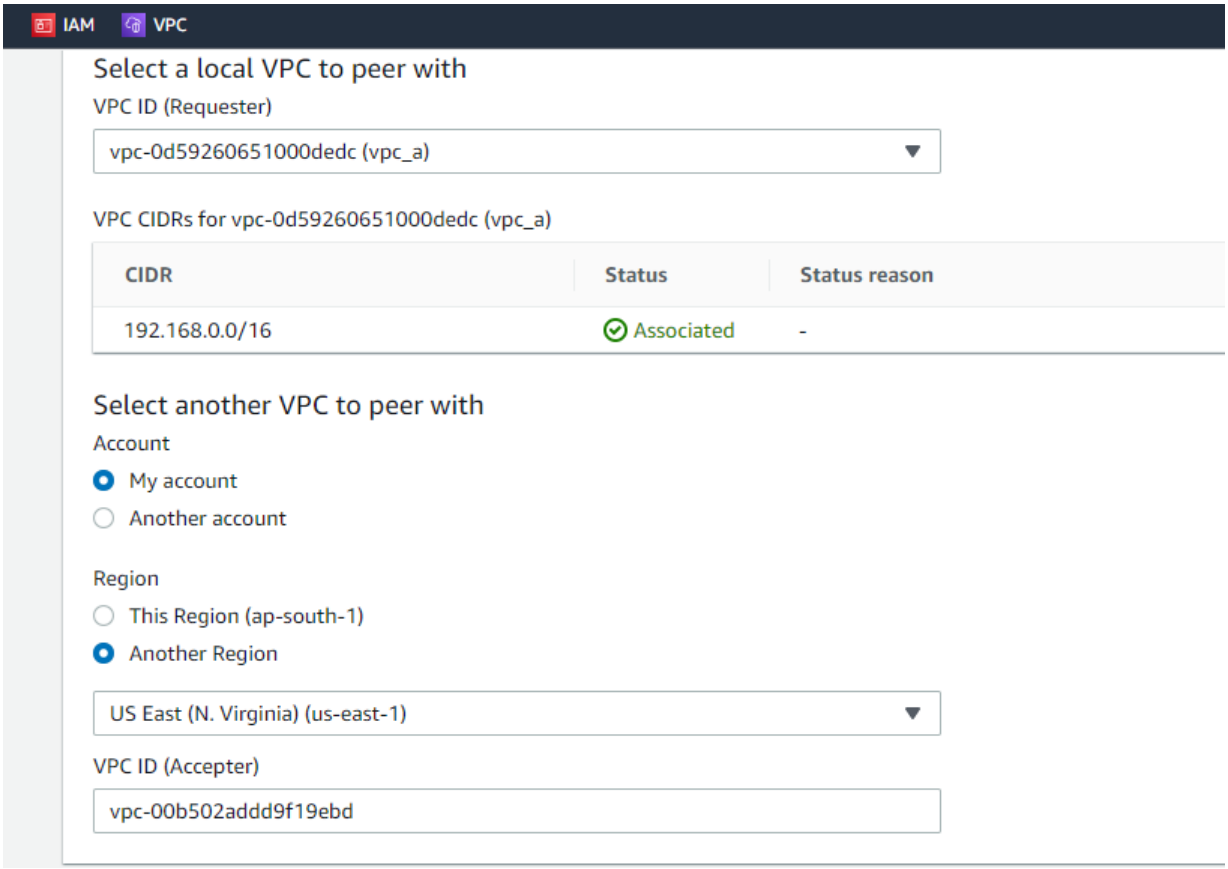
Step 4:- Create internate gateways in Mumbai region connect to the vpc_a

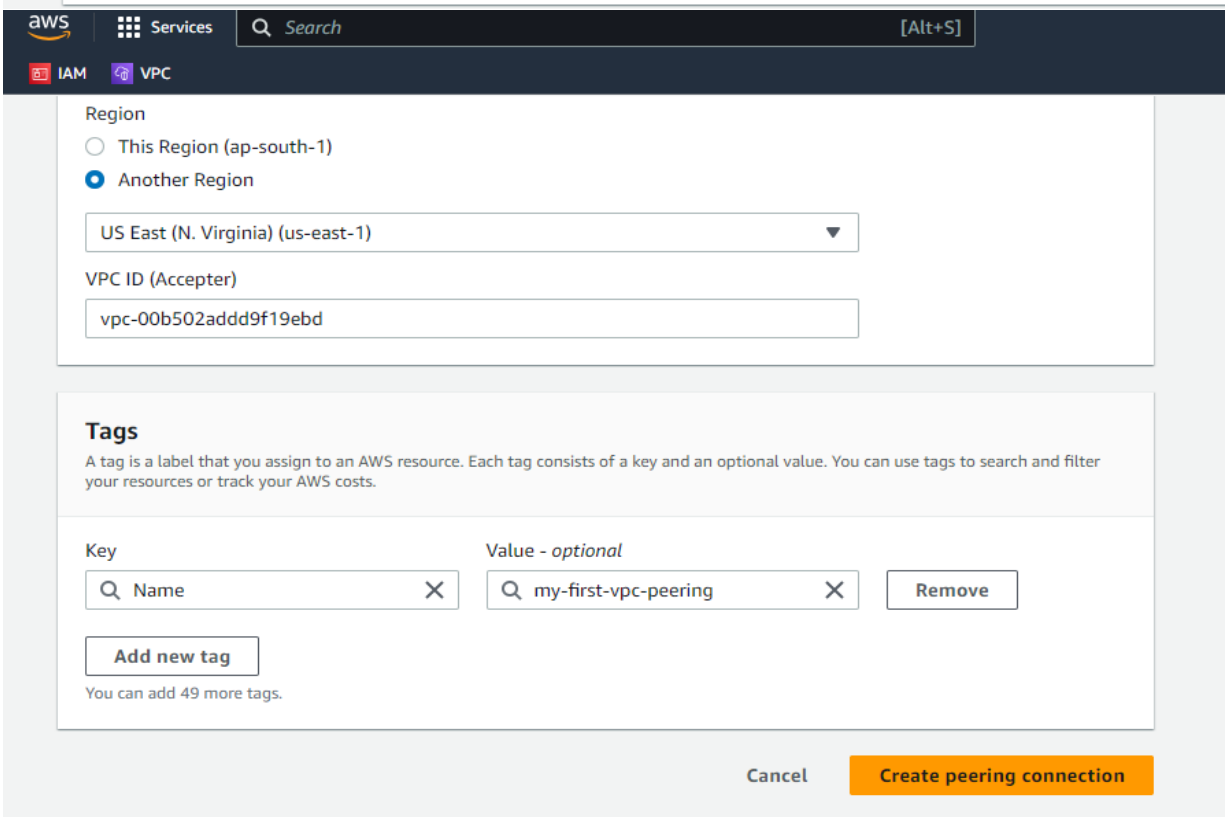
Step 5:- Now create two instance in mumbai region i.e a jump server and app server

Step 6:- and create one instance in n.vergenia region i.e a database sever

Step 7:- create a peering connetionin Mumbai region


aws
Services
Search
[Alt+S]
IAM
VPC
Create peering connection
A VPC peering connection is a networking connection between two VPCs that enables you to route traffic between them privately. Info
Peering connection settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
my-first-vpc-peering
Select a local VPC to peer with
VPC ID (Requester)
vpc-0d59260651000dedc (vpc_a)
VPC CIDRs for vpc-0d59260651000dedc (vpc_a)
CIDR
Status
Status reason
192.168.0.0/16
Associated
-
Select another VPC to peer with
Account

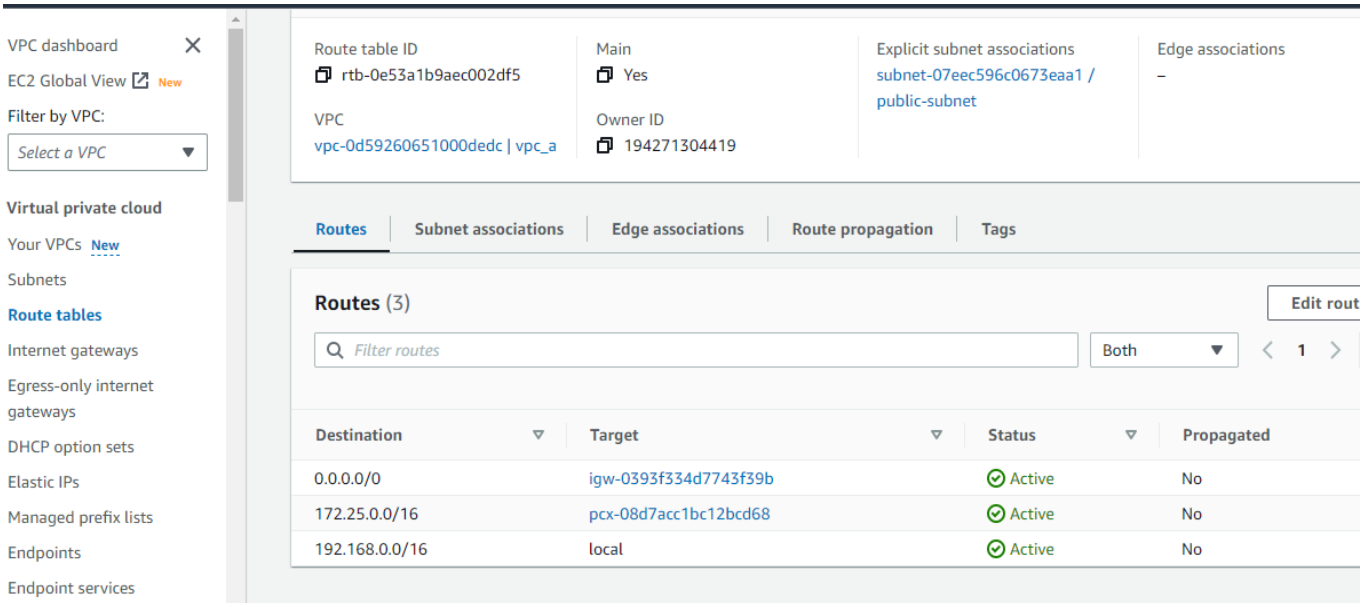

IAM
VPC
Select a local VPC to peer with
VPC ID (Requester)
vpc-0d59260651000dedc (vpc_a)
VPC CIDRs for vpc-0d59260651000dedc (vpc_a)
CIDR
Status
Status reason
192.168.0.0/16
Associated
-
Select another VPC to peer with
Account
My account
Another account
Region
This Region (ap-south-1)
Another Region
US East (N. Virginia) (us-east-1)
VPC ID (Accepter)
vpc-00b502addd9f19ebd


aws
Services
Search
[Alt+S]
IAM
VPC
Region
This Region (ap-south-1)
Another Region
US East (N. Virginia) (us-east-1)
VPC ID (Accepter)
vpc-00b502addd9f19ebd
Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key
Value - optional
Name
my-first-vpc-peering
Remove
Add new tag
You can add 49 more tags.
Cancel
Create peering connection

Step 8:- now edit a rout table of vpc_a:-

0.0.0.0/0 IGW

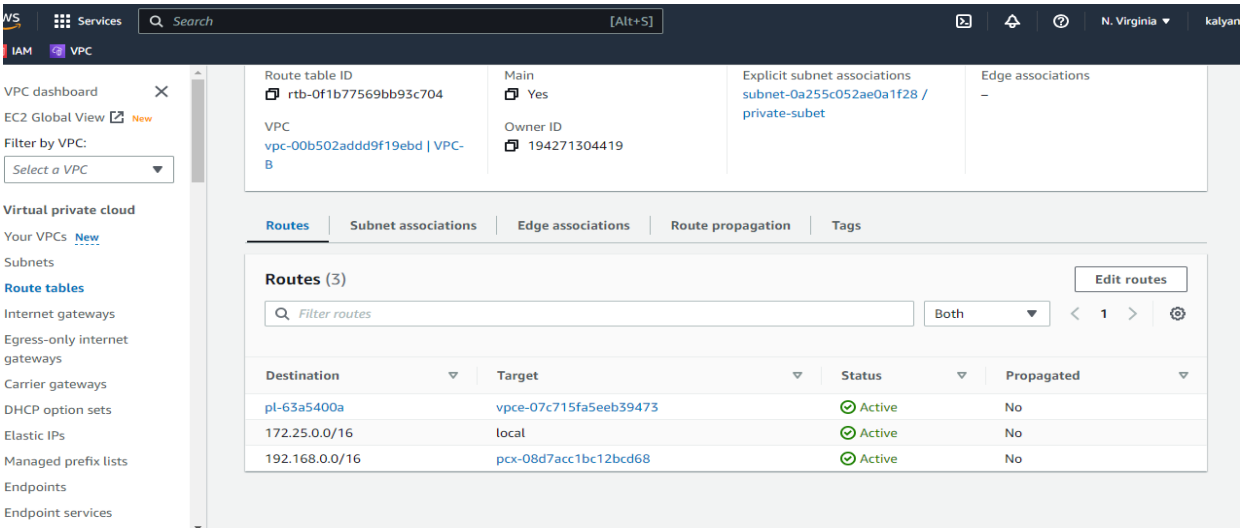
172.25.0.0/16 peering connection



Select subnet associate private and public both

Step 9:- Edit a rout table of . verginia:-

192.168.0.0/16 peering connection



And private subnet associate it with

Step 10:-now ssh jump server.

- from that sever ssh app server (with the help of copying key).

-and from app server try to ssh database server which is in n. vergaenia

It get ssh but internet connectivity is not yet.

Step 11:- now use a endpoint. Before that create and attach a IAM role for database server i.e **s3readonly** so that user can only read the file.

Step 12:- create endpoint in n. vergenia:-

Name:- endpoint-1

Aws services

Service name=s3-gateway

Vpc=vpc_B

Select rout table B

Policy=full access

Done.

Step 13:- now check the database server from jump server:-

Aws configure

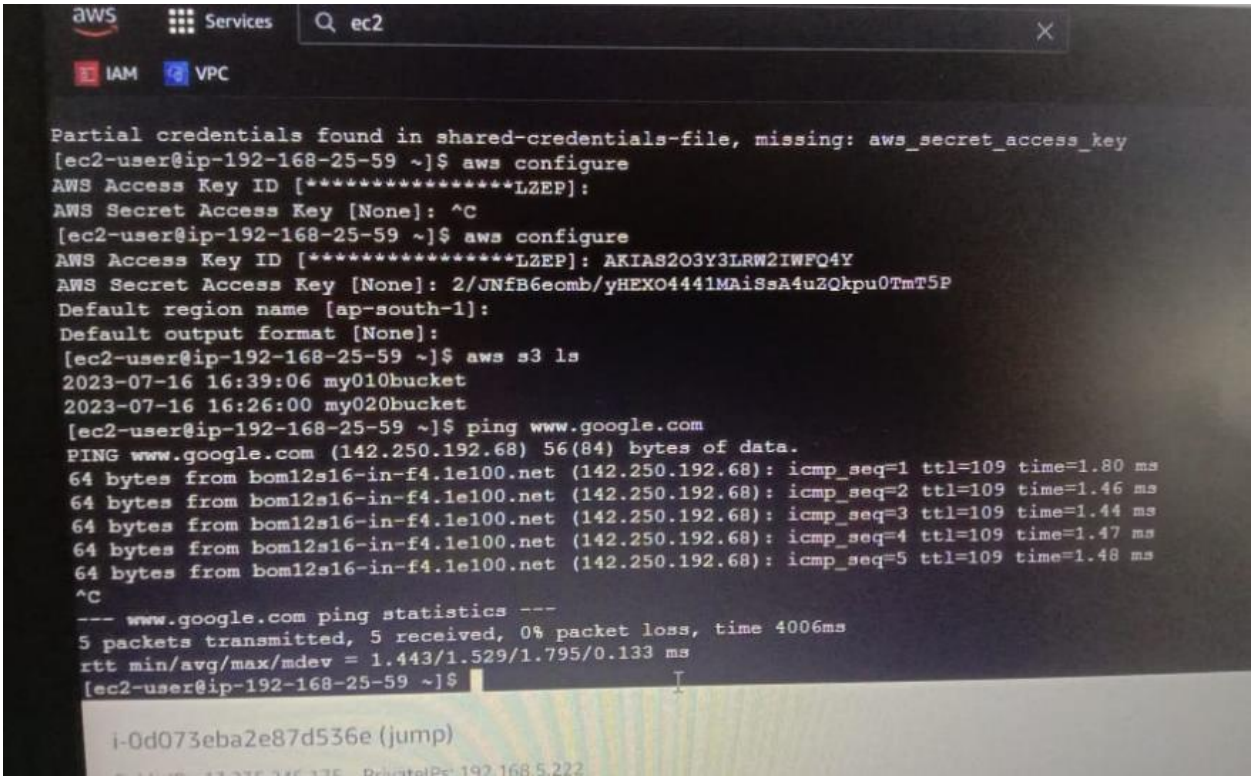
Enter access key id or secret access key id of Mumbai region

Region name is ap-south-1

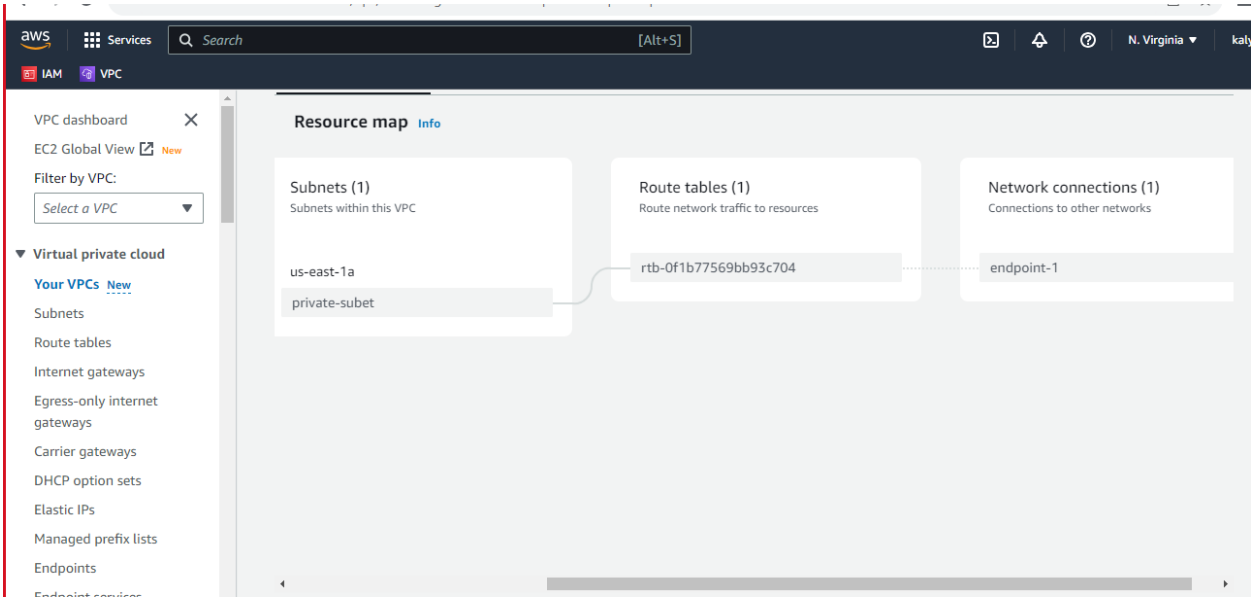
Then hit the command:-aws s3 ls

Bucket will be shown

Now ping www.google.com internate connectivity is also visible



Rout table of vpc_B



Rout table of vpc_A