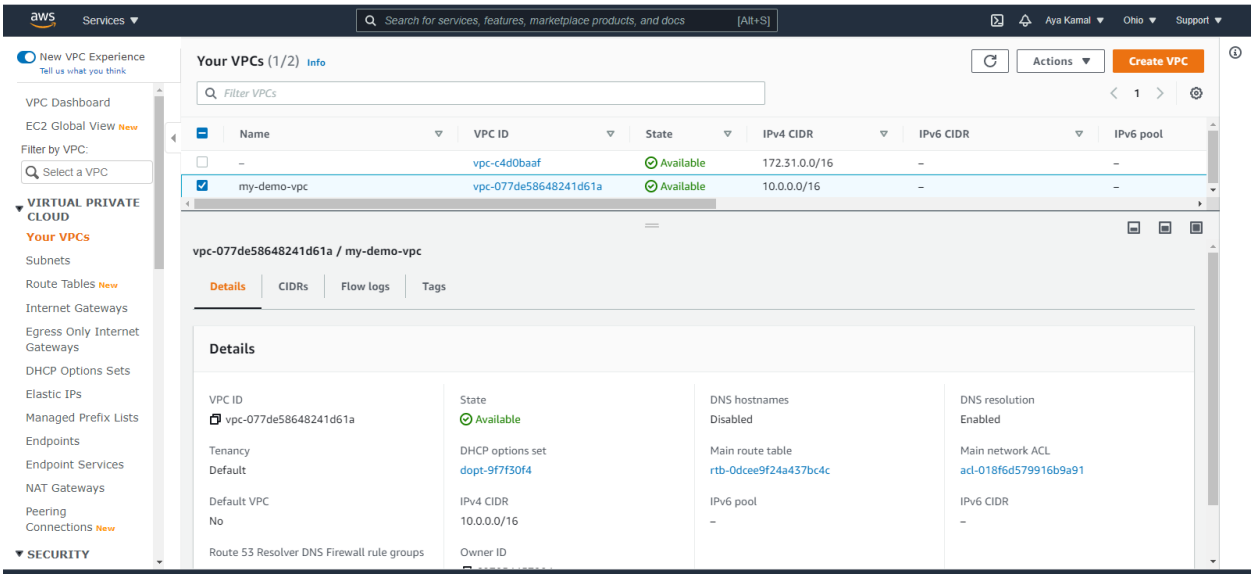
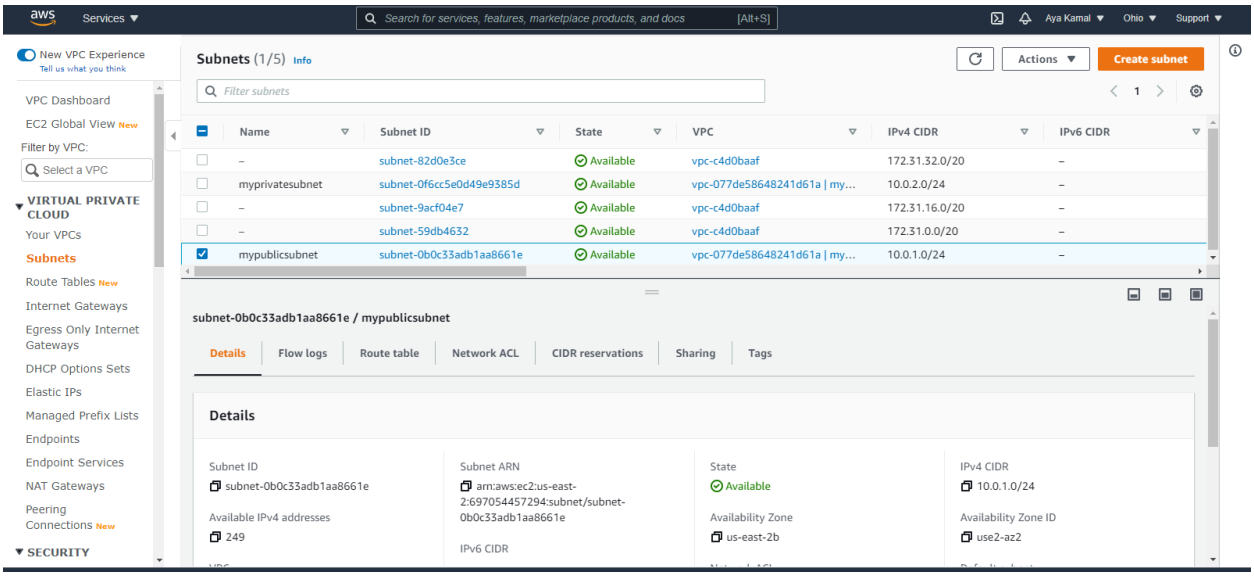
AWS Task 2

1- First we create a VPC

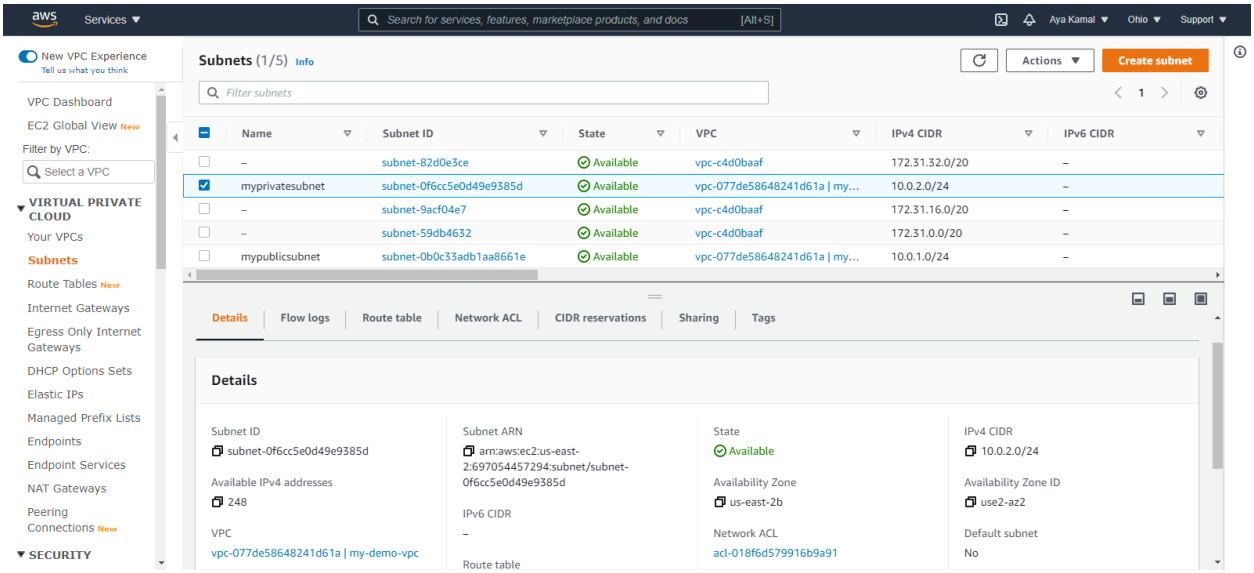


2- Then we create 2 subnets

One public

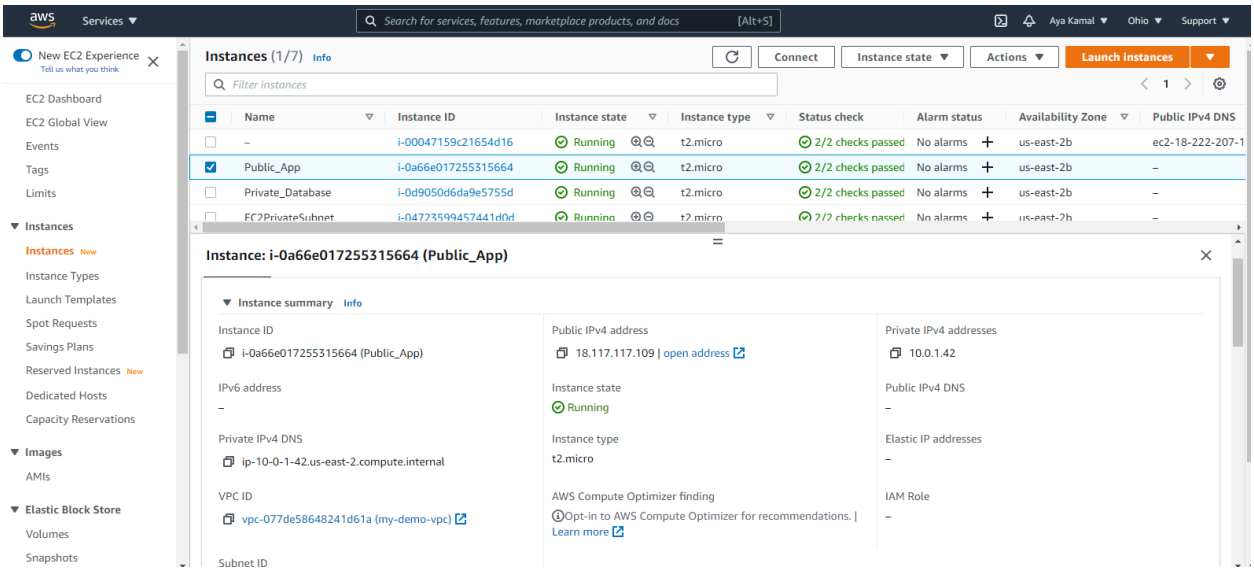


And one private

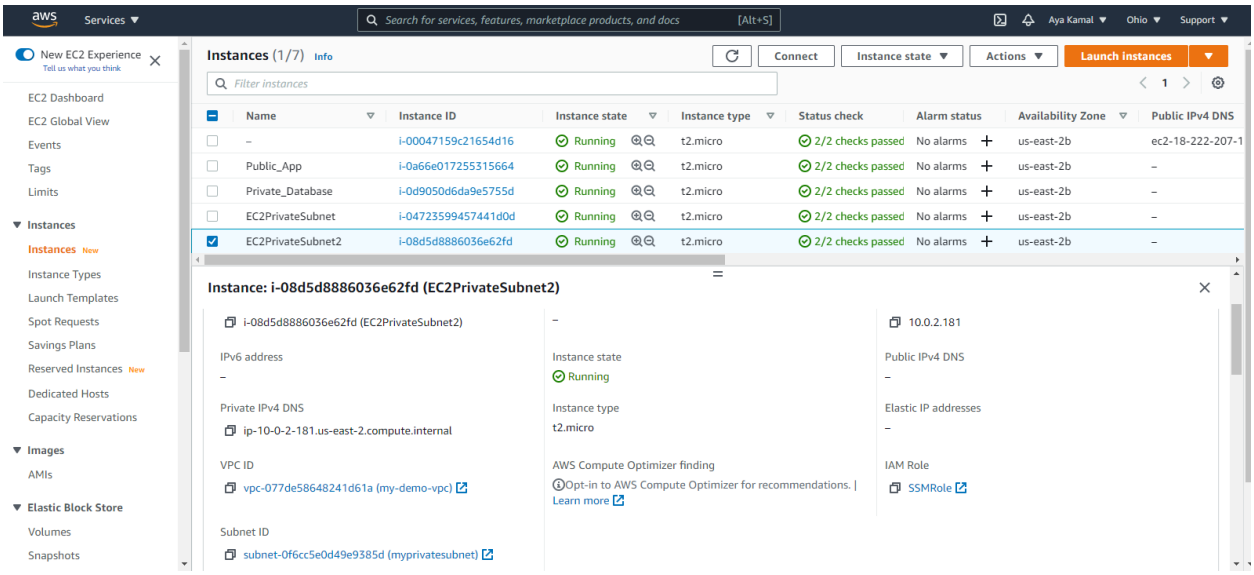


3- Then we create 2 instances

One in public subnet

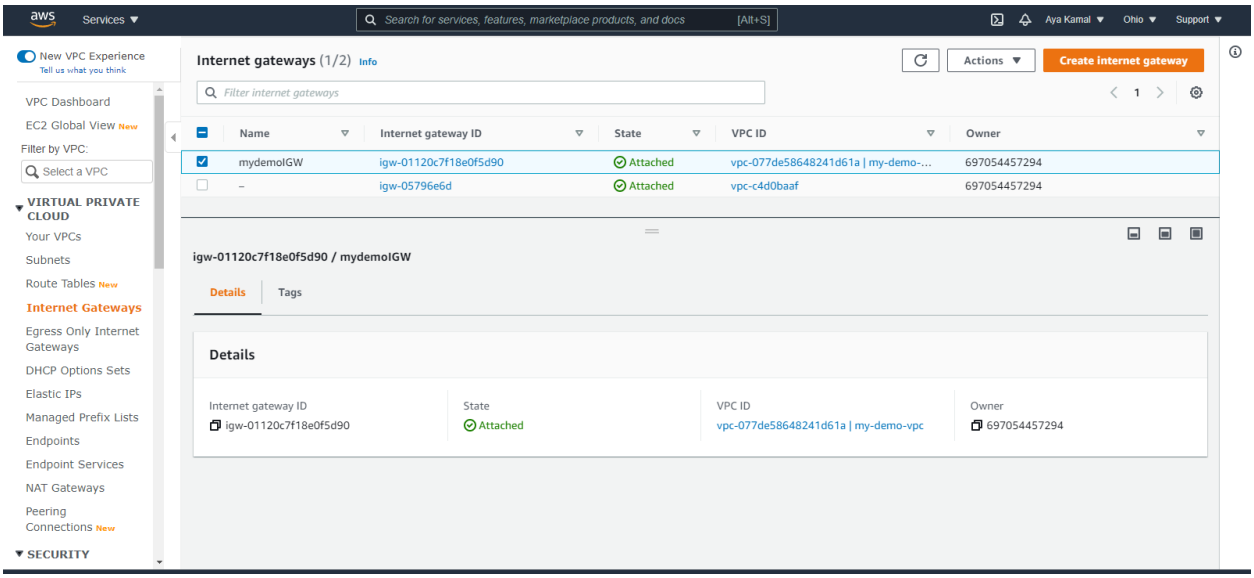


And other in private subnet

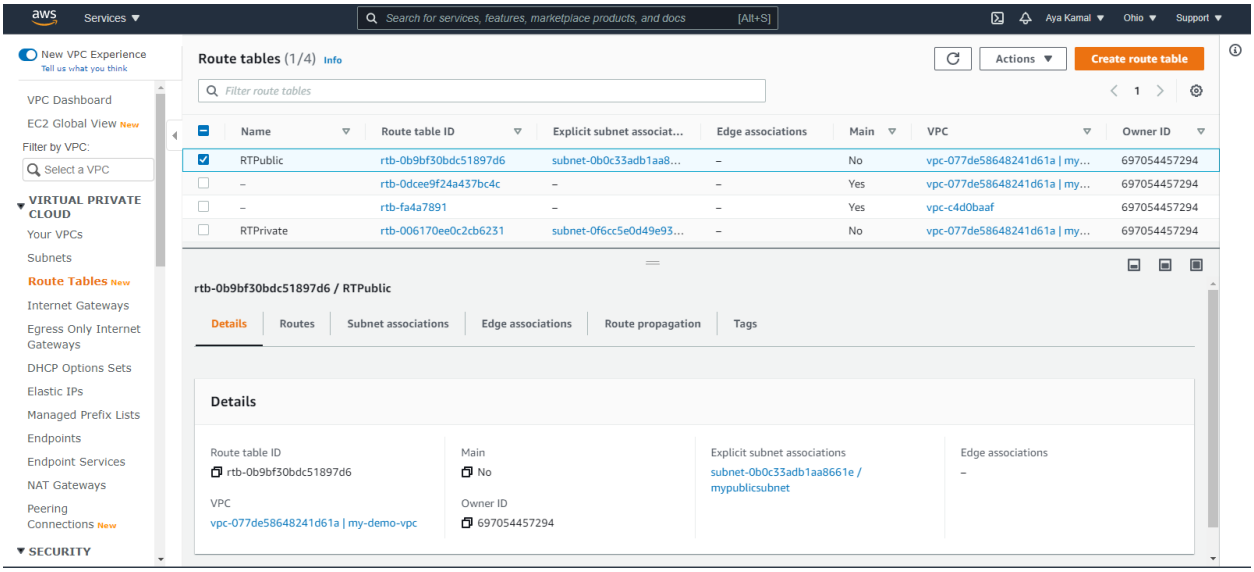


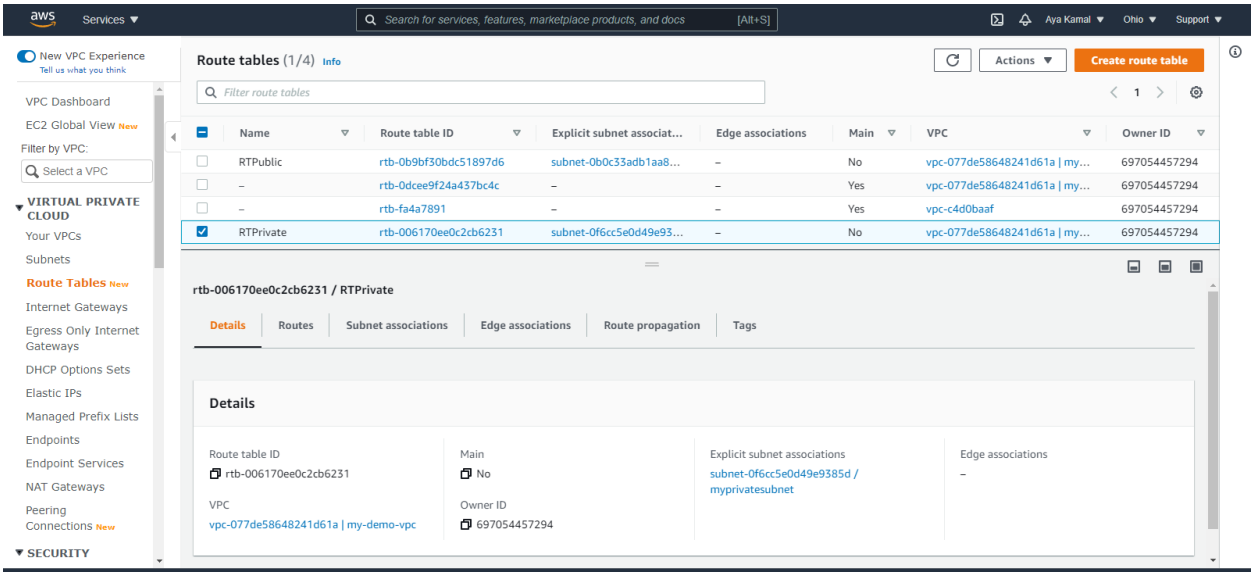
4- Then we create Internet Gateway, Route table , Nat Gateway

IGW



RTs


Services
Search for services, features, marketplace products, and docs [Alt+S]
Aya Kamal
Ohio
Support
New VPC Experience
Tell us what you think
VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Endpoint Services
NAT Gateways
Peering Connections New
SECURITY
Route tables (1/4) Info
Actions
Create route table
Filter route tables
Name
Route table ID
Explicit subnet associat...
Edge associations
Main
VPC
Owner ID
RTPublic
rtb-0b9bf30bdc51897d6
subnet-0b0c33adb1aa8...
No
vpc-077de58648241d61a | my...
697054457294
rtb-0dcee9f24a437bc4c
Yes
rtb-fa4a7891
vpc-c4d0baaf
RTPrivate
rtb-006170ee0c2cb6231
subnet-0f6cc5e0d49e93...
rtb-0b9bf30bdc51897d6 / RTPublic
Details
Routes
Subnet associations
Edge associations
Route propagation
Tags
Details
Route table ID
rtb-0b9bf30bdc51897d6
Main
No
Explicit subnet associations
subnet-0b0c33adb1aa8661e / mypublicsubnet
Edge associations
VPC
vpc-077de58648241d61a | my-demo-vpc
Owner ID
697054457294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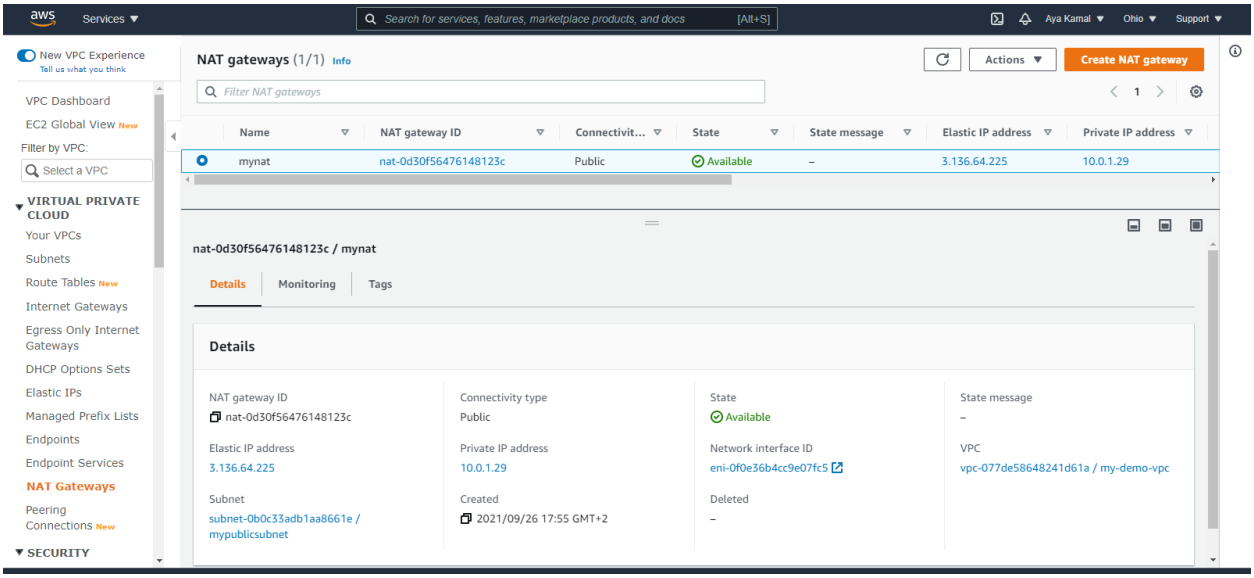
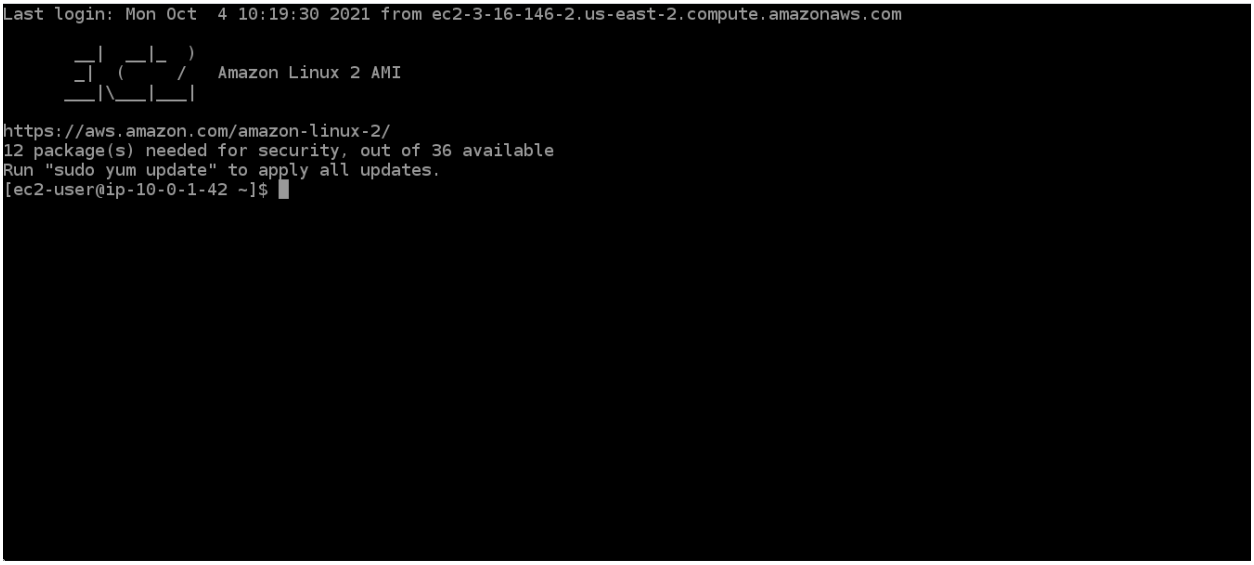
rtb-0dcee9f24a437bc4c
Yes
rtb-fa4a7891
vpc-c4d0baaf
RTPrivate
rtb-006170ee0c2cb6231
subnet-0f6cc5e0d49e93...
rtb-006170ee0c2cb6231 / RTPrivate
Details
Routes
Subnet associations
Edge associations
Route propagation
Tags
Details
Route table ID
rtb-006170ee0c2cb6231
Main
No
Explicit subnet associations
subnet-0f6cc5e0d49e9385d / myprivatesubnet
Edge associations
VPC
vpc-077de58648241d61a | my-demo-vpc
Owner ID
697054457294

NAT



5- Connecting to public server



i-0a66e017255315664 (Public_App)

Public IPs: 18.117.117.109 Private IPs: 10.0.1.42

Then connecting from public to private

```
Last login: Mon Oct  4 23:31:22 2021 from ec2-3-16-146-0.us-east-2.compute.amazonaws.com

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
12 package(s) needed for security, out of 36 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-0-1-42 ~]$ sudo su
[root@ip-10-0-1-42 ec2-user]# ls
PrivateSSH
[root@ip-10-0-1-42 ec2-user]# cd PrivateSSH
[root@ip-10-0-1-42 PrivateSSH]# ls
Database_Server.pem  PrivateIP  README.md
[root@ip-10-0-1-42 PrivateSSH]# chmod 400 Database_Server.pem
[root@ip-10-0-1-42 PrivateSSH]# ssh -i "Database_Server.pem" ec2-user@10.0.2.181
Last login: Mon Oct  4 10:21:31 2021 from 10.0.1.42

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
1 package(s) needed for security, out of 1 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-10-0-2-181 ~]$
```

i-0a66e017255315664 (Public_App)

Public IPs: 18.117.117.109 Private IPs: 10.0.1.42