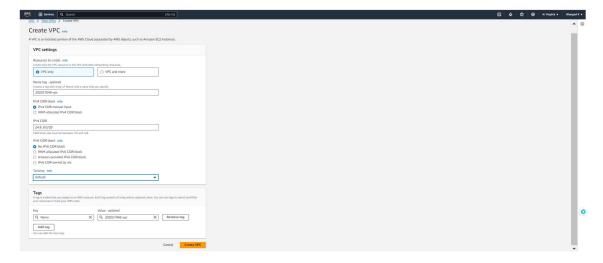
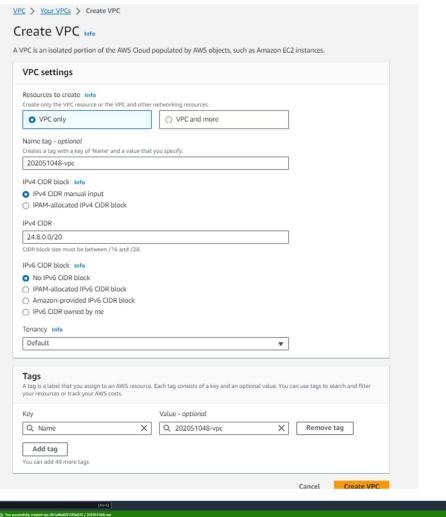
Name: Bhargavi Akash Kamble

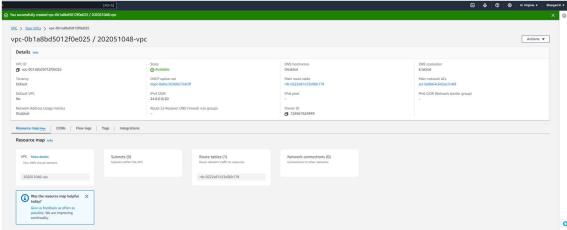
Student ID: 202051048

Assessment 7: VPC -1

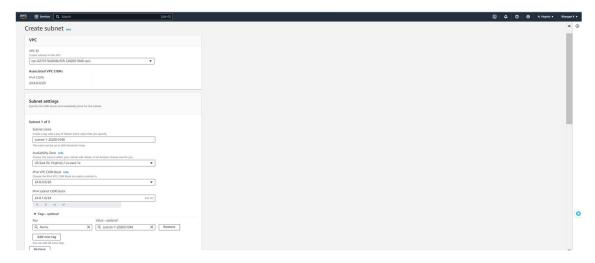
We will first create the VPC.



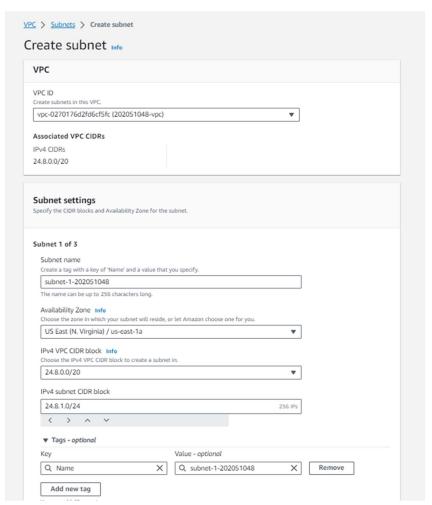


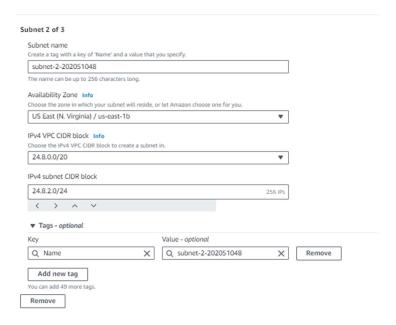


Our VPC has been created.



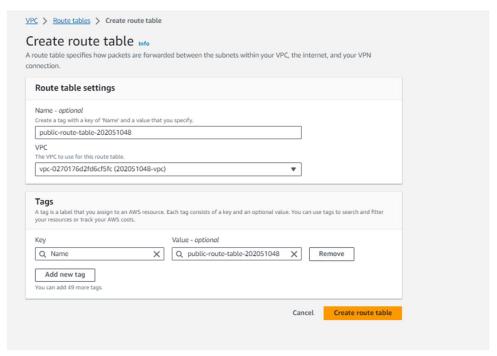
We will now create two subnets one public and one private.

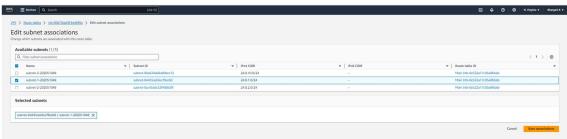


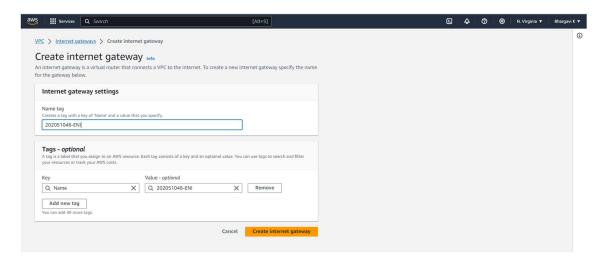


Two subnets have been created.

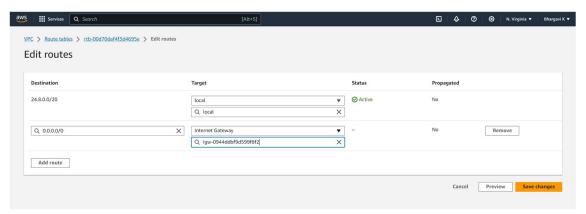
We will now create the route tables.



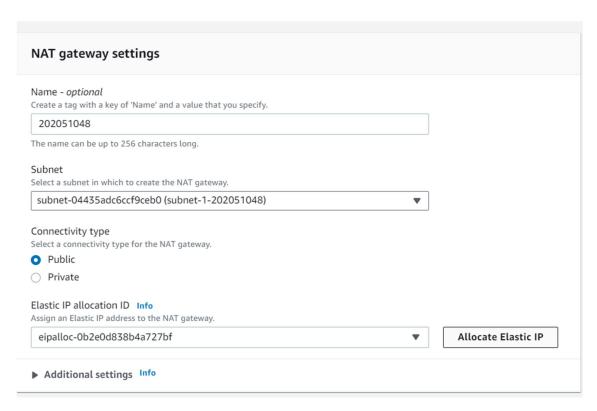




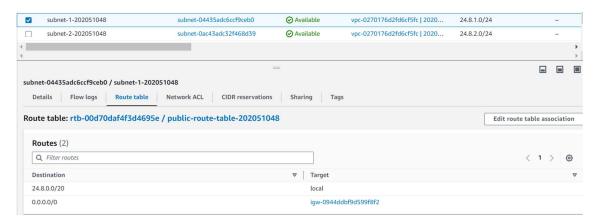
We will now create the internet gateway.



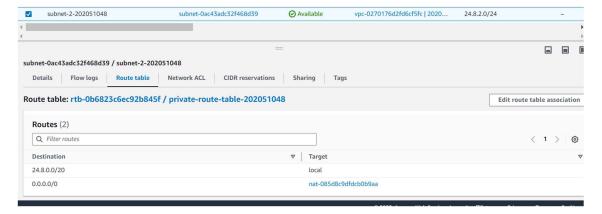
We will add the internet gateway in out rout table with public subnet.



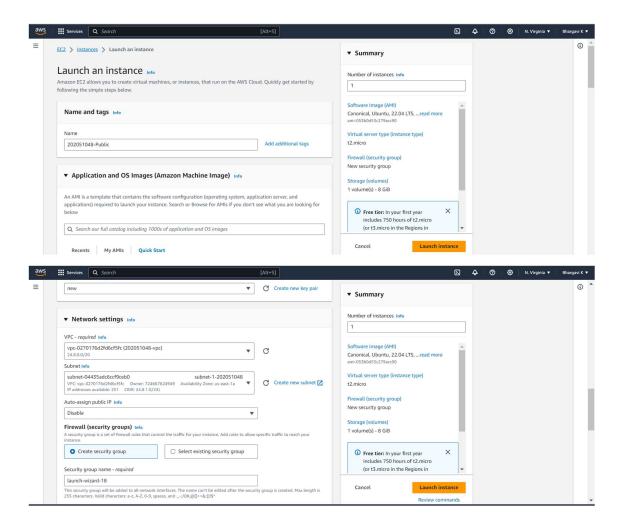
We will now create a NAT gateway in our public subnet.

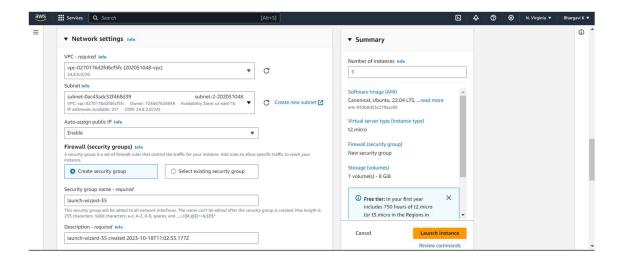


We will route out internet gateway in our public subnet.



And the NAT gateway in our private subnet.

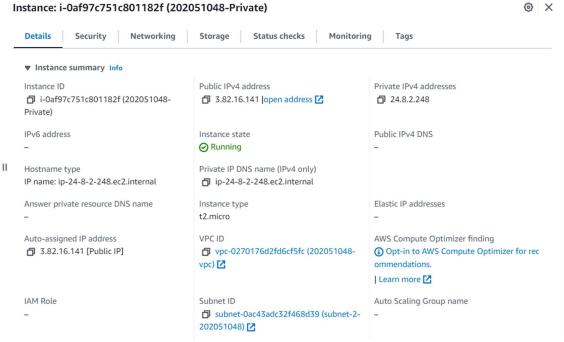




We will launch the instances in our public and private subnets.



Instance: i-098ba82e5afd10f3b (202051048-Public) @ X Security Storage Status checks Details Networking Monitoring Tags ▼ Instance summary Info Instance ID Public IPv4 address Private IPv4 addresses i-098ba82e5afd10f3b (202051048-₫ 54.144.51.122 | open address 🛂 **1** 24.8.1.26 Public) IPv6 address Public IPv4 DNS Instance state **⊘** Running Private IP DNS name (IPv4 only) Hostname type IP name: ip-24-8-1-26.ec2.internal **□** ip-24-8-1-26.ec2.internal Instance type Elastic IP addresses Answer private resource DNS name t2.micro Auto-assigned IP address AWS Compute Optimizer finding **□** vpc-0270176d2fd6cf5fc (202051048-54.144.51.122 [Public IP] Opt-in to AWS Compute Optimizer for rec vpc) 🔼 ommendations. Learn more 🛂 IAM Role Subnet ID Auto Scaling Group name subnet-04435adc6ccf9ceb0 (subnet-1-202051048) 🛂



```
Ubuntu@ip_24-8-2-248:-$ ando apt update

0% [Connecting to us-east-1.ec2.archive.ubuntu.com (34.237.137.22)] [Connecting to security.ubuntu.com (2620:2d:4002:1::102)]

1gn:1 http://security.ubuntu.com/ubuntu jammy-security InRelease

1gn:1 http://security.ubuntu.com/ubuntu jammy-security InRelease

1gn:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-shackports InRelease

1gn:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

1gn:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

1gn:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

1gn:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

1gn:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

1gn:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

1gn:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease

1gn:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu.com/ubuntu.c
```

We first tried to run the update command when NAT gateway wasn't connected it failed to update.

```
information... Done
an be upgraded. Run 'apt list --upgradable' to see them.
```

Once NAT gateway was connected the update was done perfectly.