NETWORKING IN AWS GROUP ACTIVITY

Group 4

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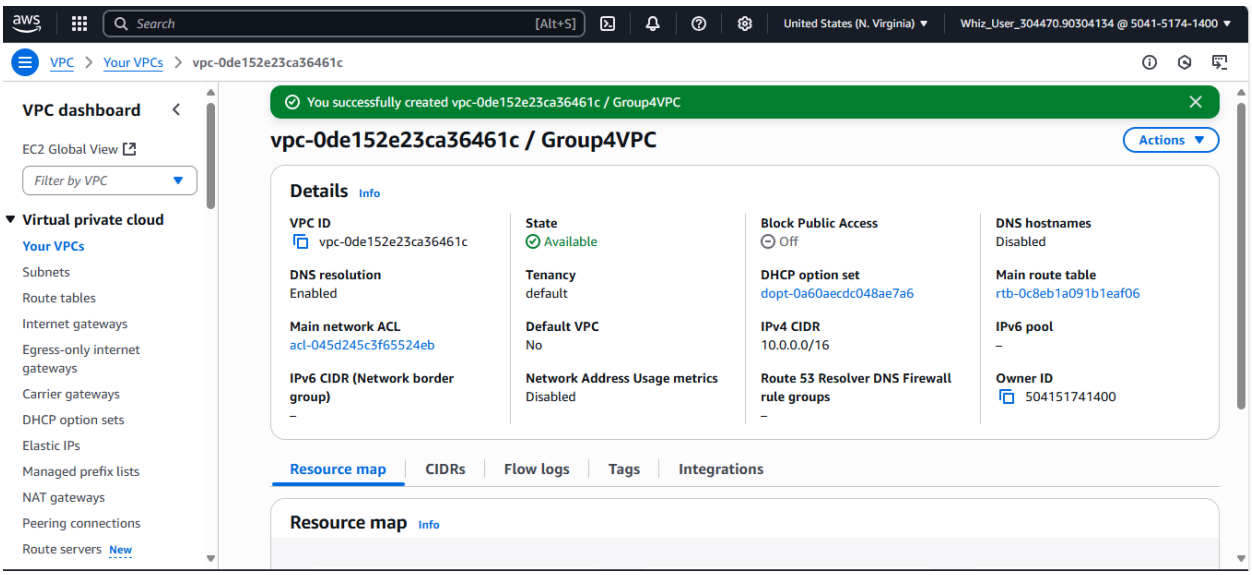
Introduction

In this assignment, we familiarized ourselves with AWS Networking concepts and tools. We focused on creating a Virtual Private Cloud (VPC), public and private subnets, internet gateway, a route table, a security group and then two EC2 instances. These actions are important in managing networking within AWS environment. The tasks below follow a step-by-step procedure to achieve the results stated above.

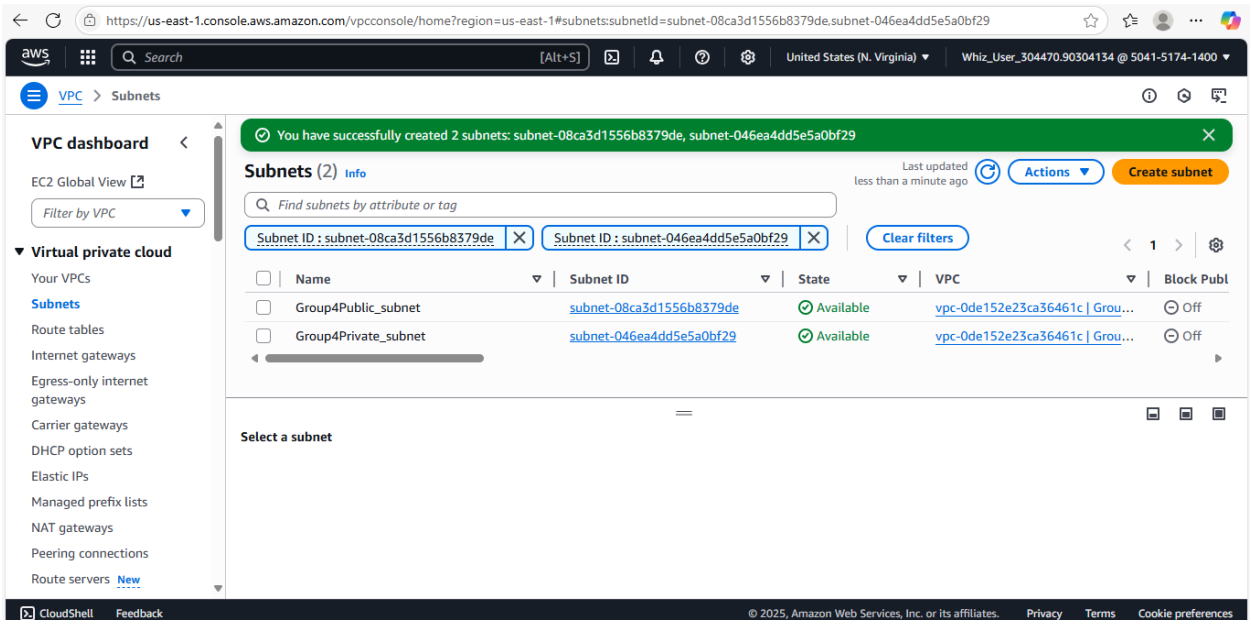
Task 1

- A VPC (Group4VPC) was successfully created in the AWS account.

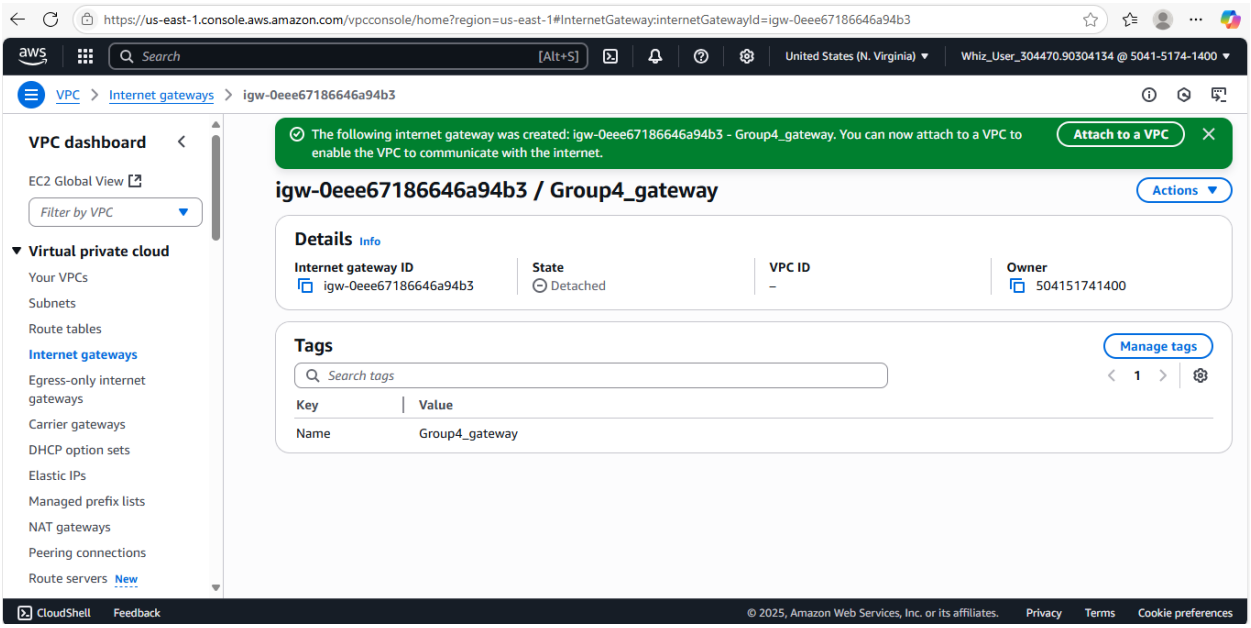


TASK 2

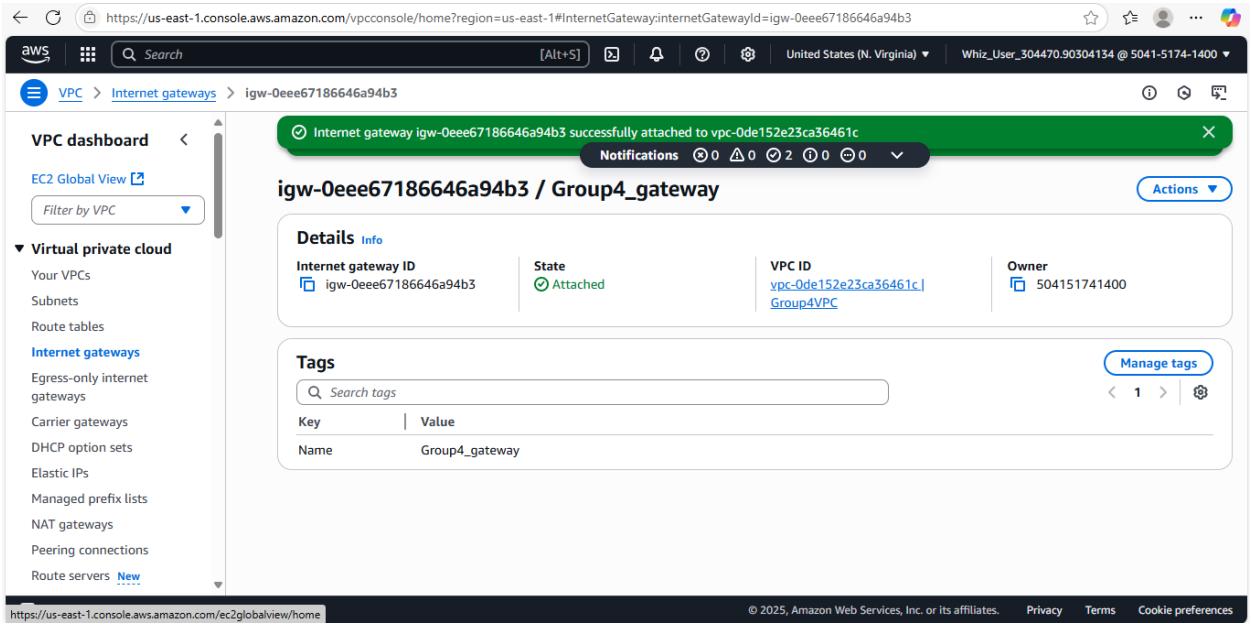
- Two subnets with different availability zones were created.
- The first subnet was named Group4Public_subnet with availability zone us-east-1a and the second subnet was named Group4Private_subnet with availability zone us-east-1b.



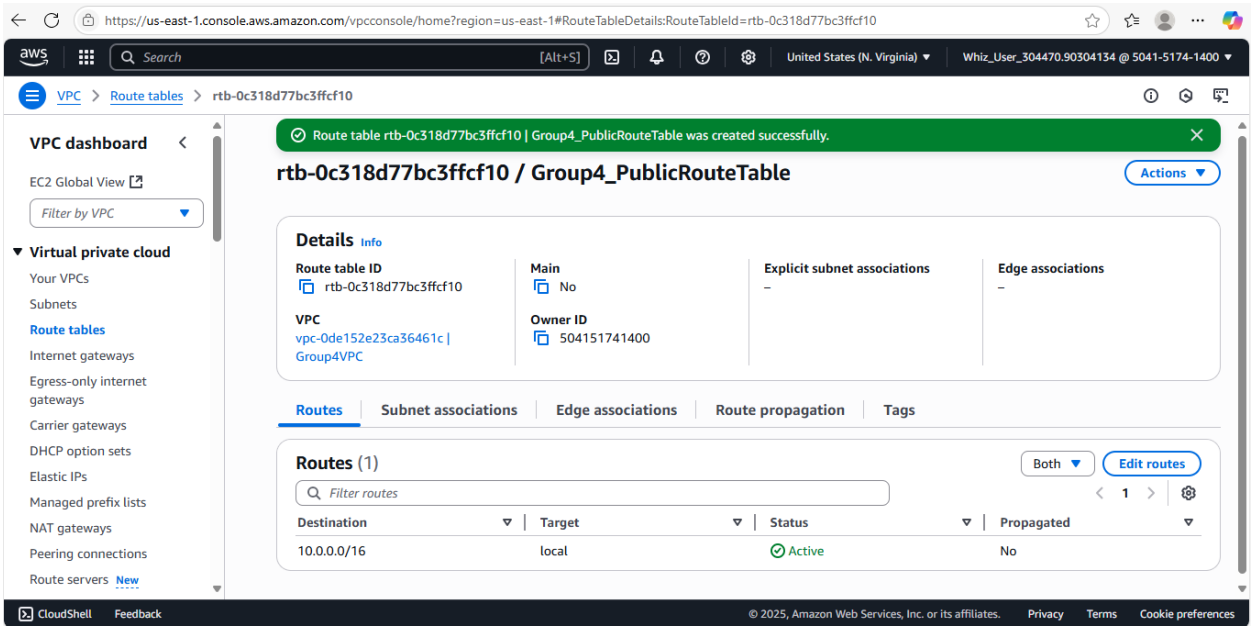
- An internet gateway named Group4_gateway was created.



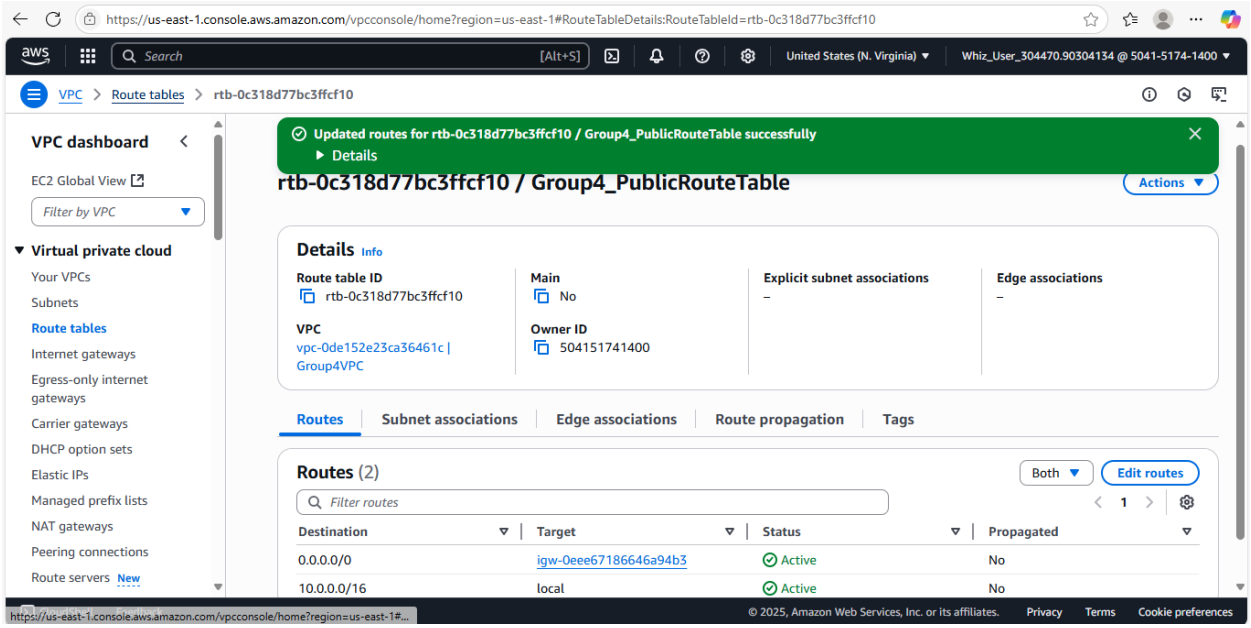
- The internet gateway (Group4_gateway) created was attached to the VPC (Group4VPC).



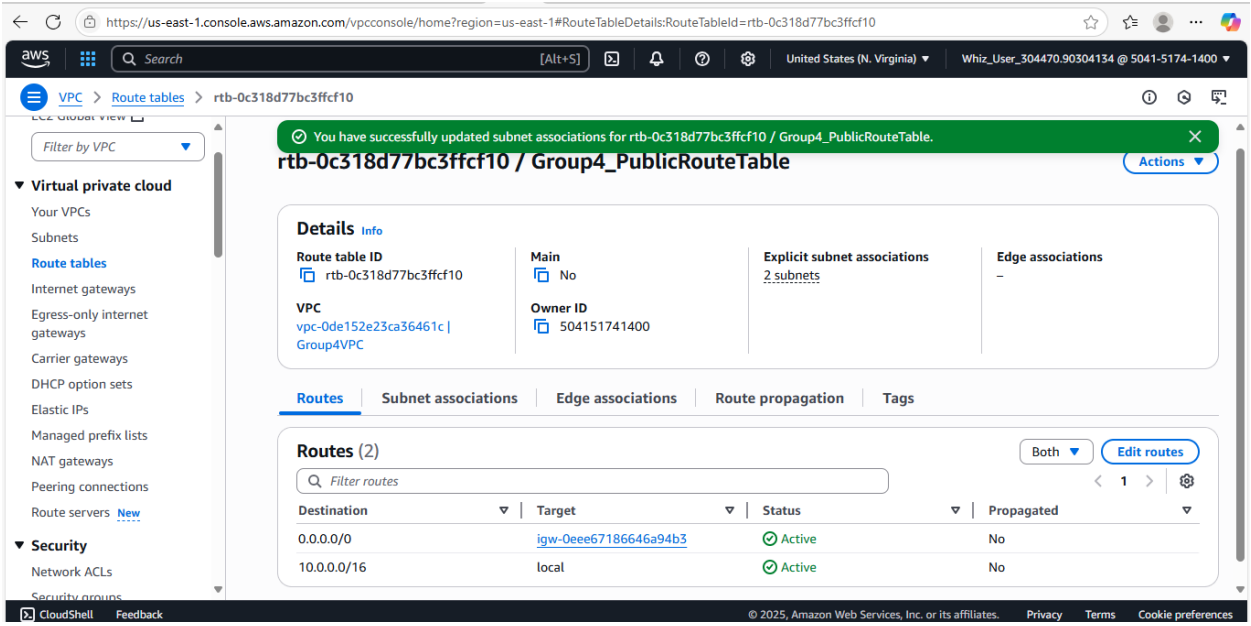
- A public route table (Group4_PublicRouteTable) was created for the VPC to assist routing.



- The route table was then edited to add a route for 0.0.0.0/0 with the target set to the internet gateway we created earlier.

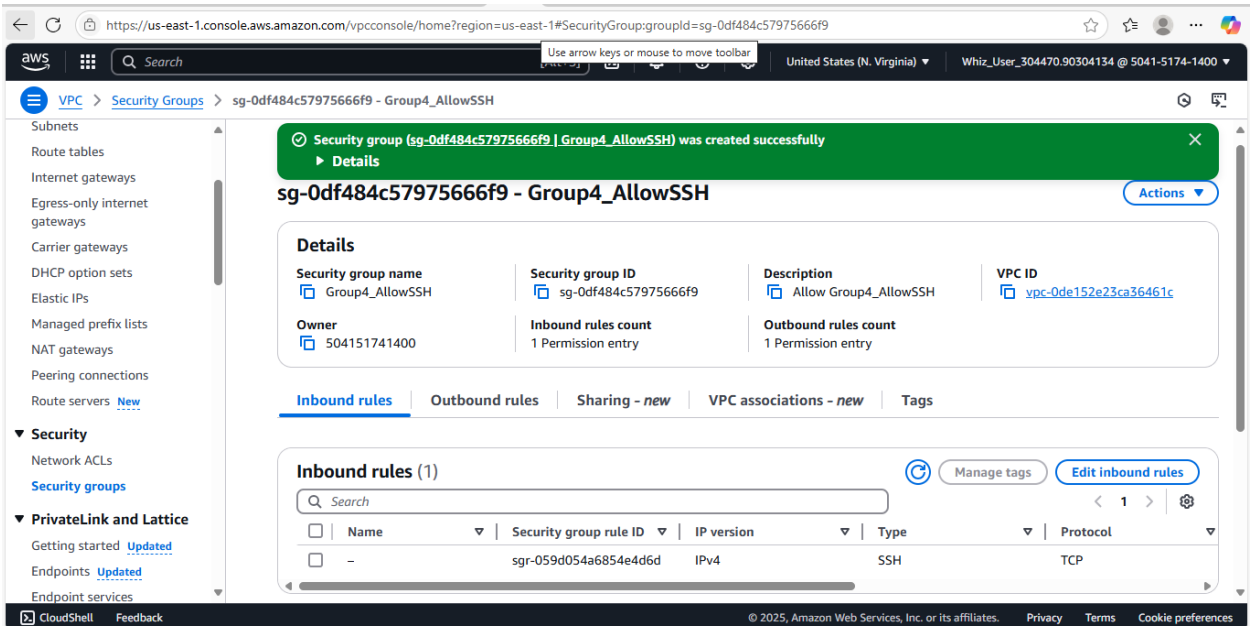


- The route table created was then associated with the two subnets.



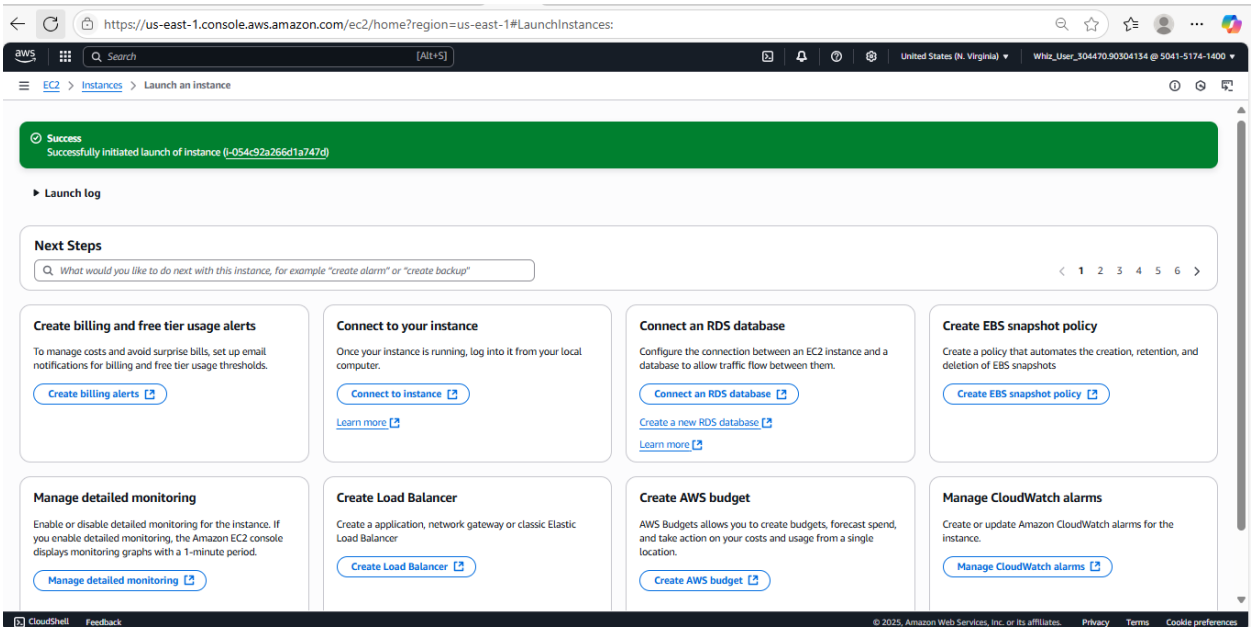
TASK 2

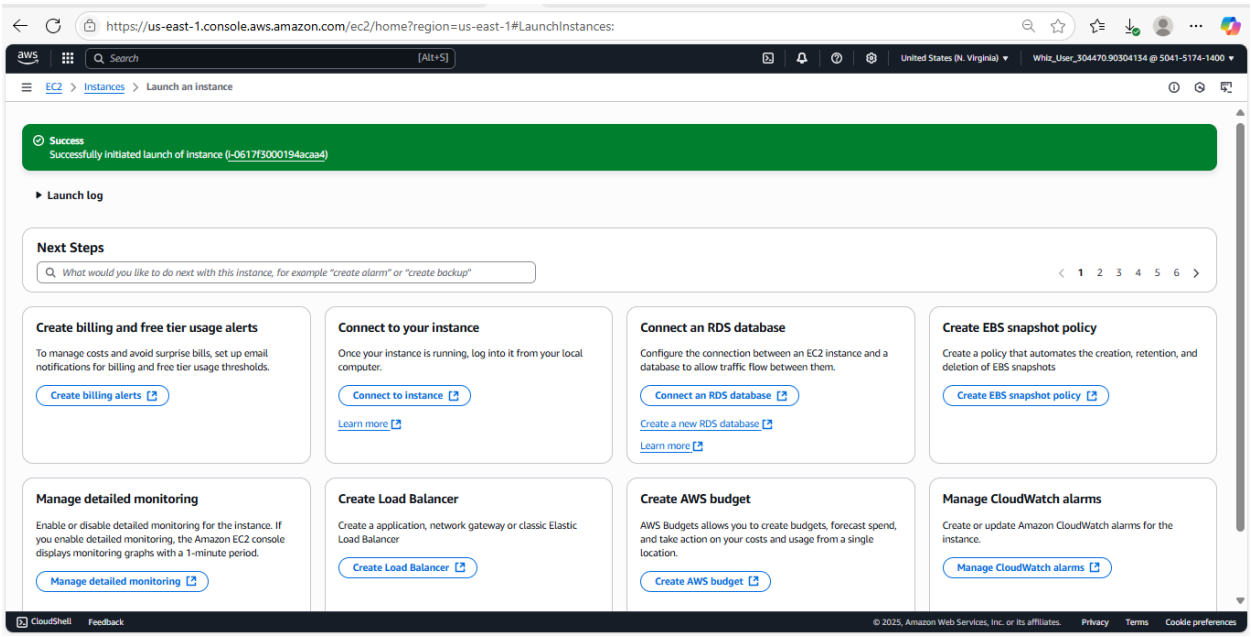
- Security group named Group4_AllowSSH was created.



TASK 3

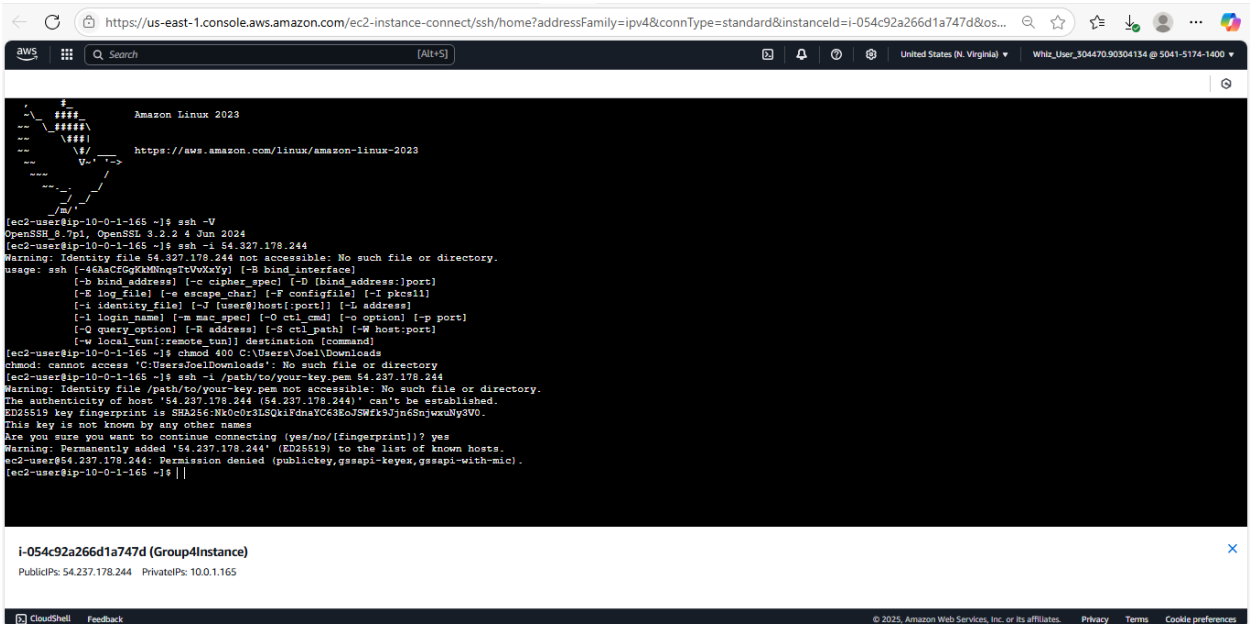
- Two EC2 instances were created for each subnet. The Security group created was attached to both instances.





TASK 4

- Once both instances were confirmed to be running, the public IP was used to SSH into it to test and validate connectivity.



Conclusion

This assignment provided hands on experience on Networking in the AWS environment and how to troubleshoot connectivity issues after encountering them. As a team of five, we respected each other's views and made sure to see the project to completion. Through this activity, we built on both our technical skills and soft skills.