Lab 02

CLOUD COMPUTING

CS-4075

Course Instructor:

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Roll No: 20i-2465

Section: SE-A

Due Date: Oct 15, 2023

Cloud Computing

Lab – 02

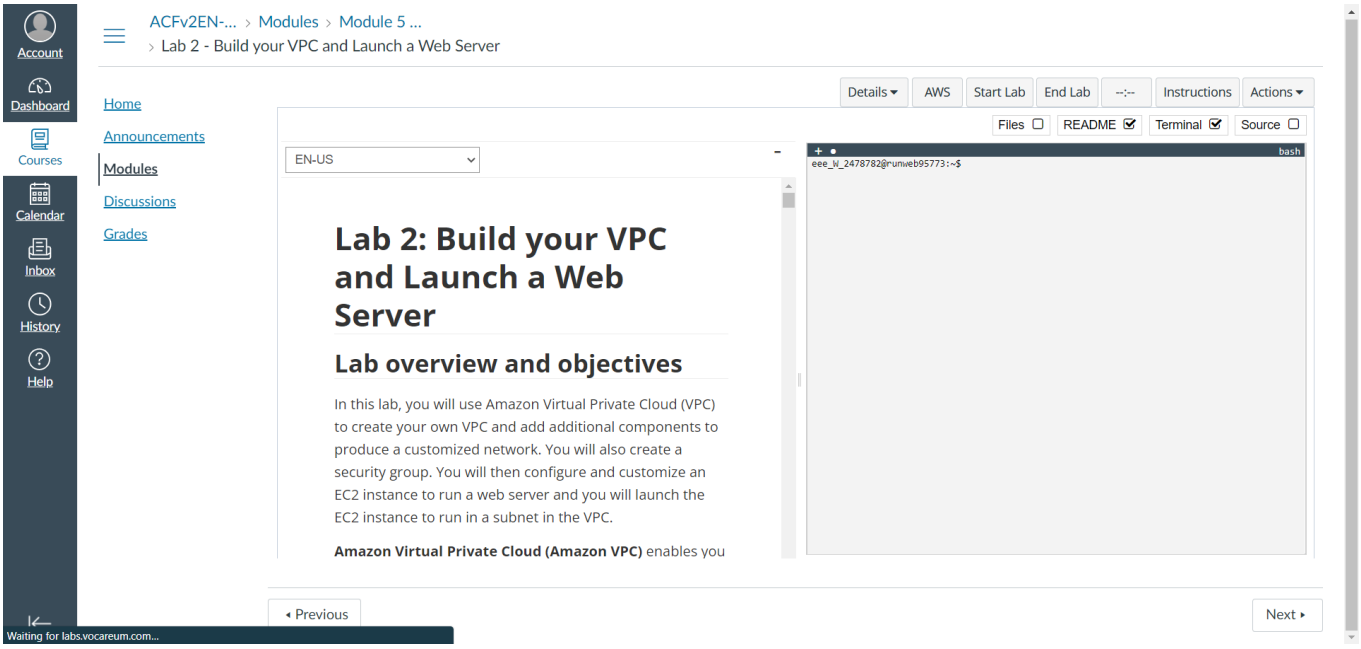

Figure 1: Access to lab resources

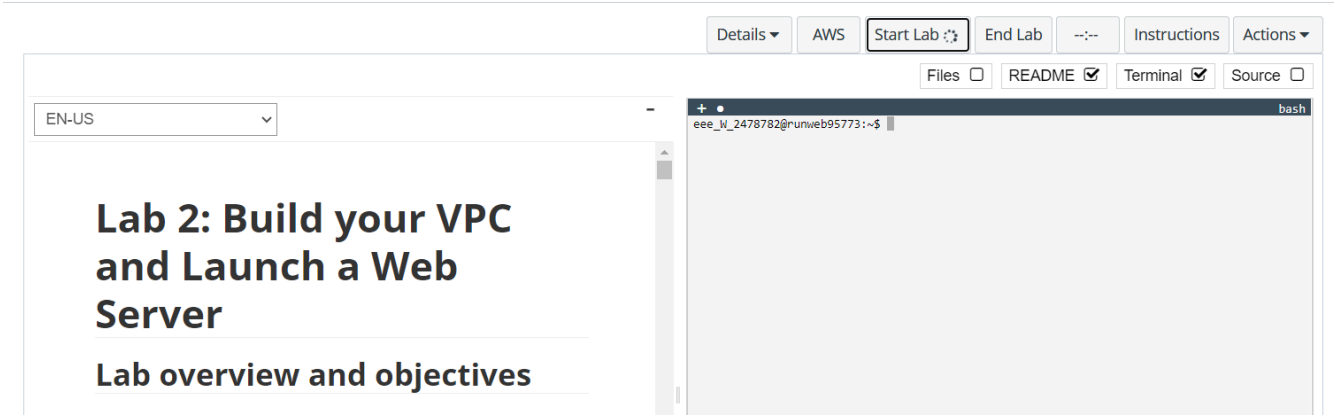

Figure 2: start the lab.

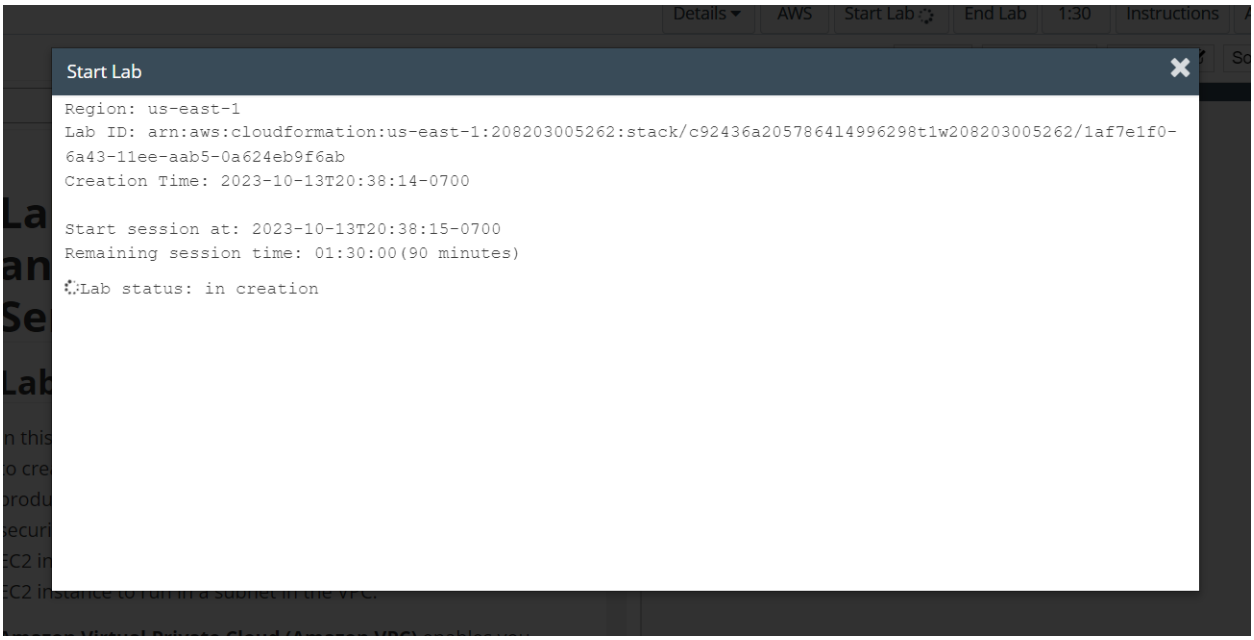

Figure 3: lab is in creation stge.

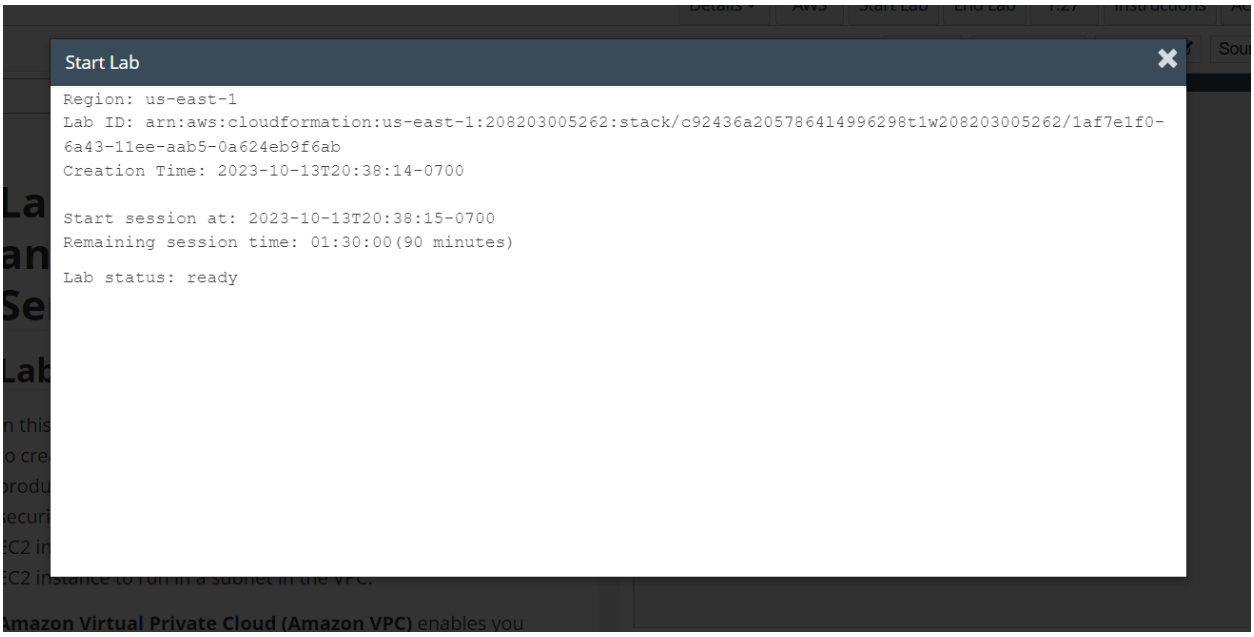

Figure 4: Lab is ready to use.

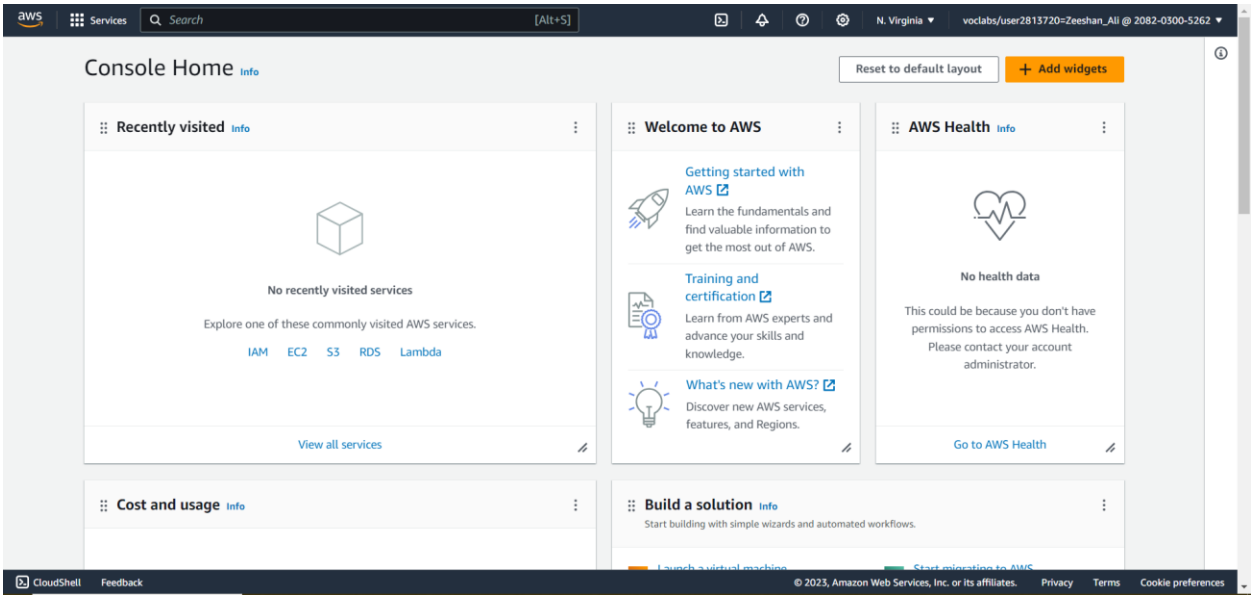

Figure 5: AWS DASHBOARD

Task 01:

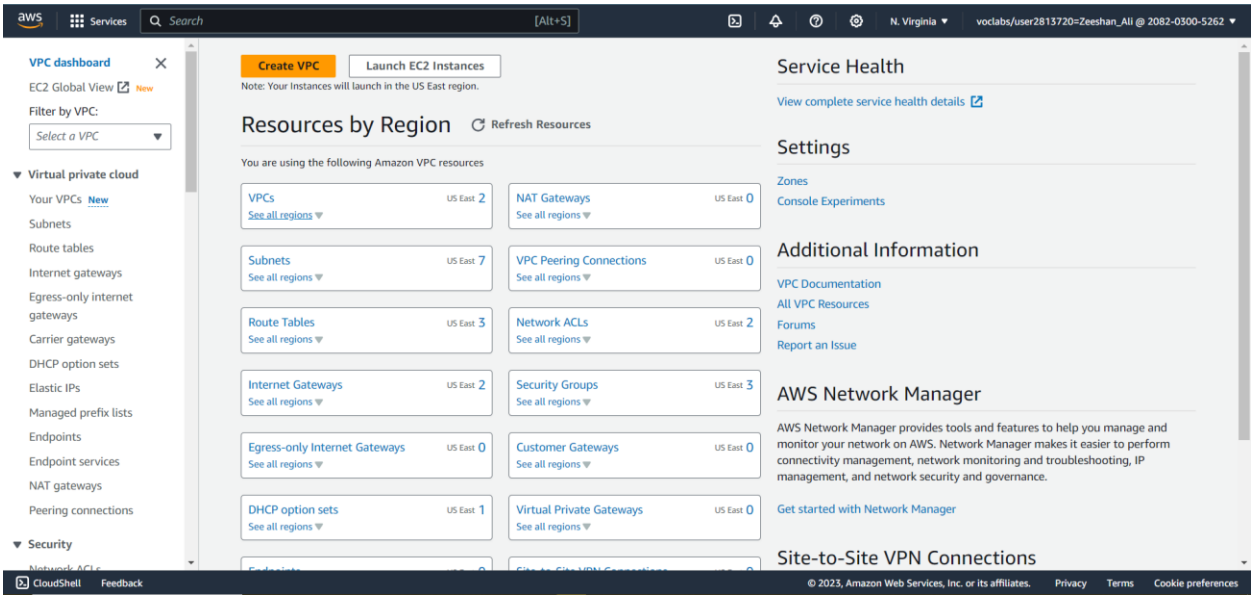

Figure 6: Select to create VPC.

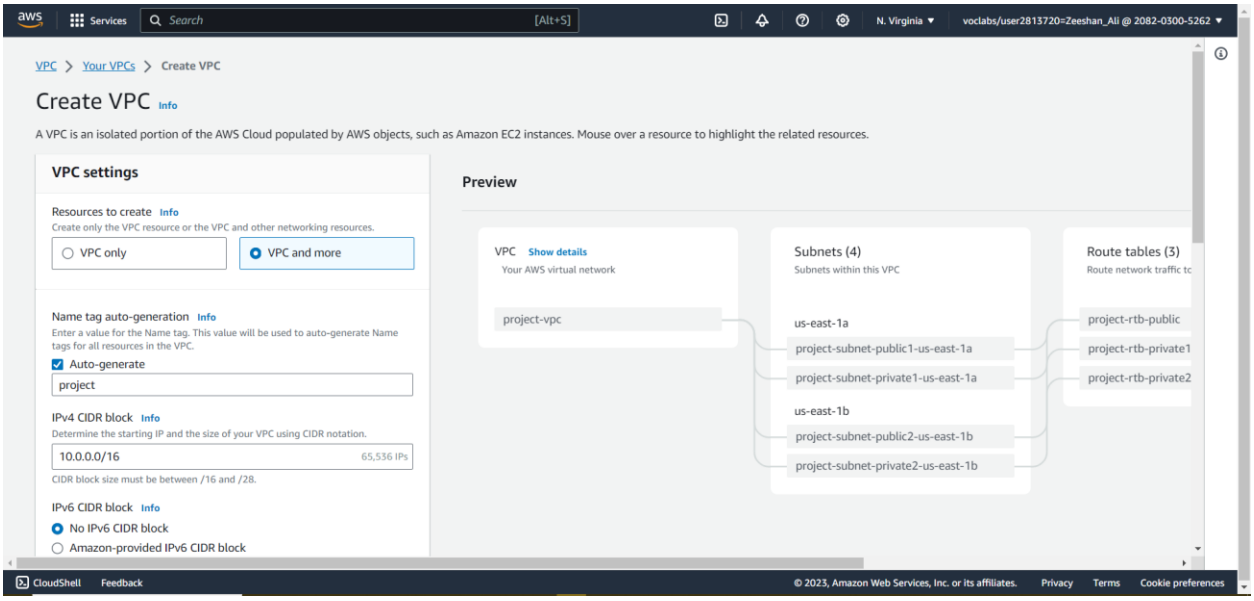

Figure 7: create VPC DASHBOARD.

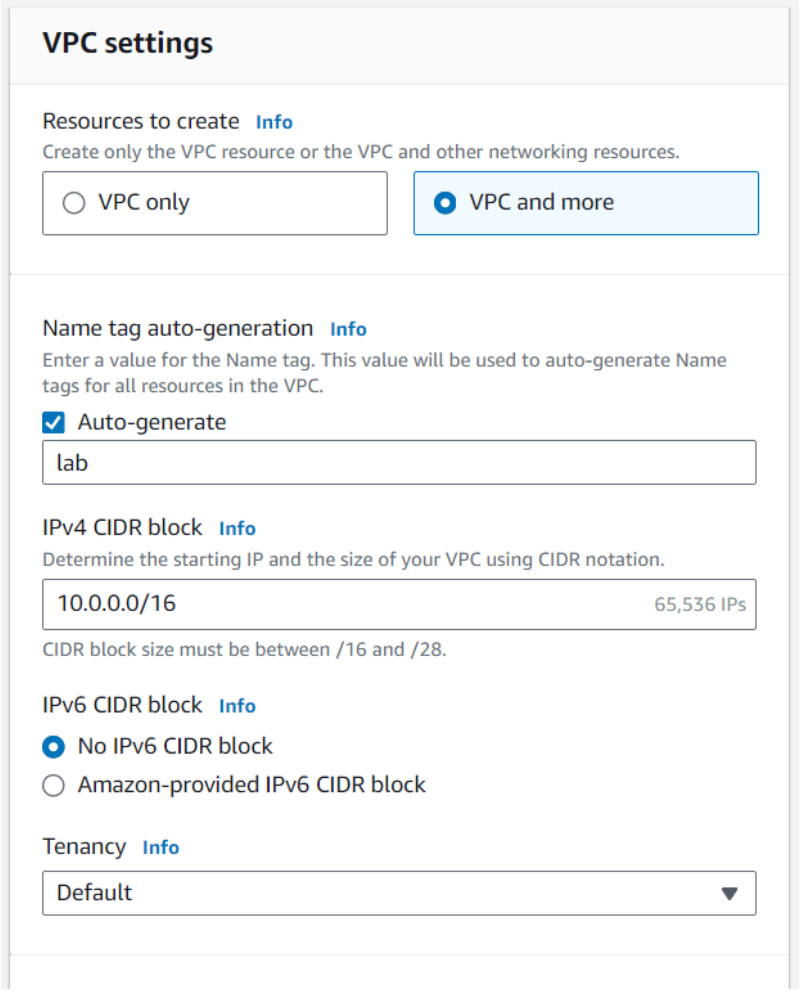

Figure 8: Enter the details to create VPC.

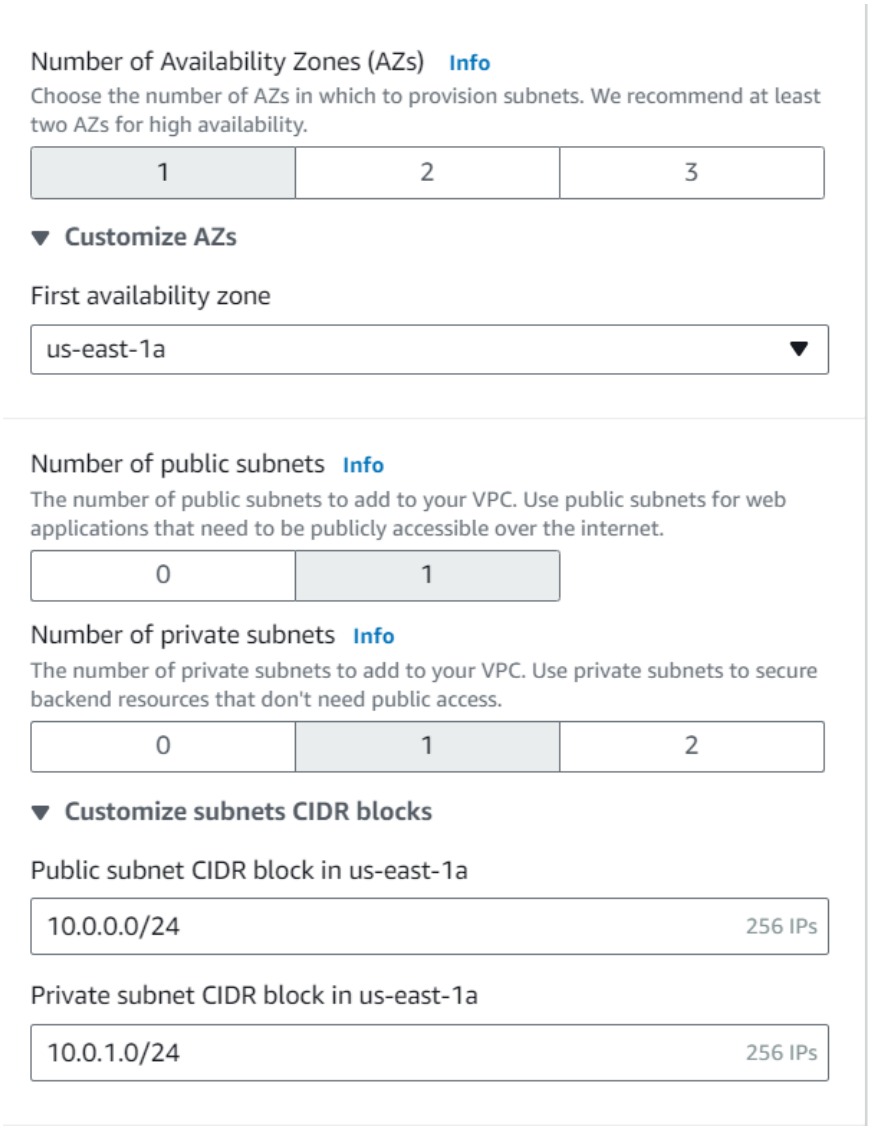

Figure 9: Enter and select the details to create VPC.

NAT gateways ($) **Info**

Choose the number of Availability Zones (AZs) in which to create NAT gateways. Note that there is a charge for each NAT gateway

None	In 1 AZ	1 per AZ

VPC endpoints **Info**

Endpoints can help reduce NAT gateway charges and improve security by accessing S3 directly from the VPC. By default, full access policy is used. You can customize this policy at any time.

None	S3 Gateway

DNS options **Info**

- [x] Enable DNS hostnames
- [x] Enable DNS resolution

Figure 10: Selecting the details to create VPC.

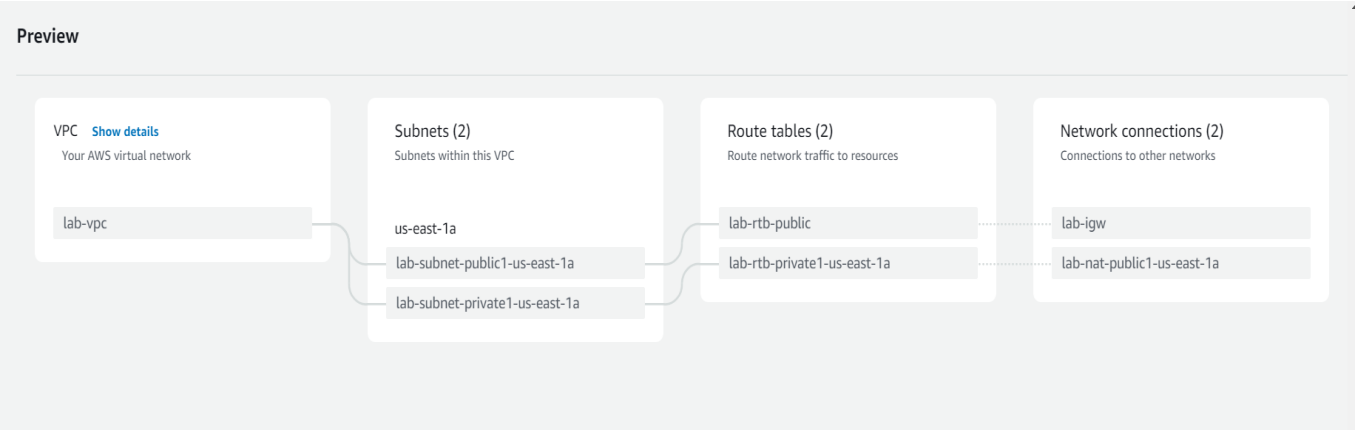

Figure 11: Preview the details before creating the VPC.

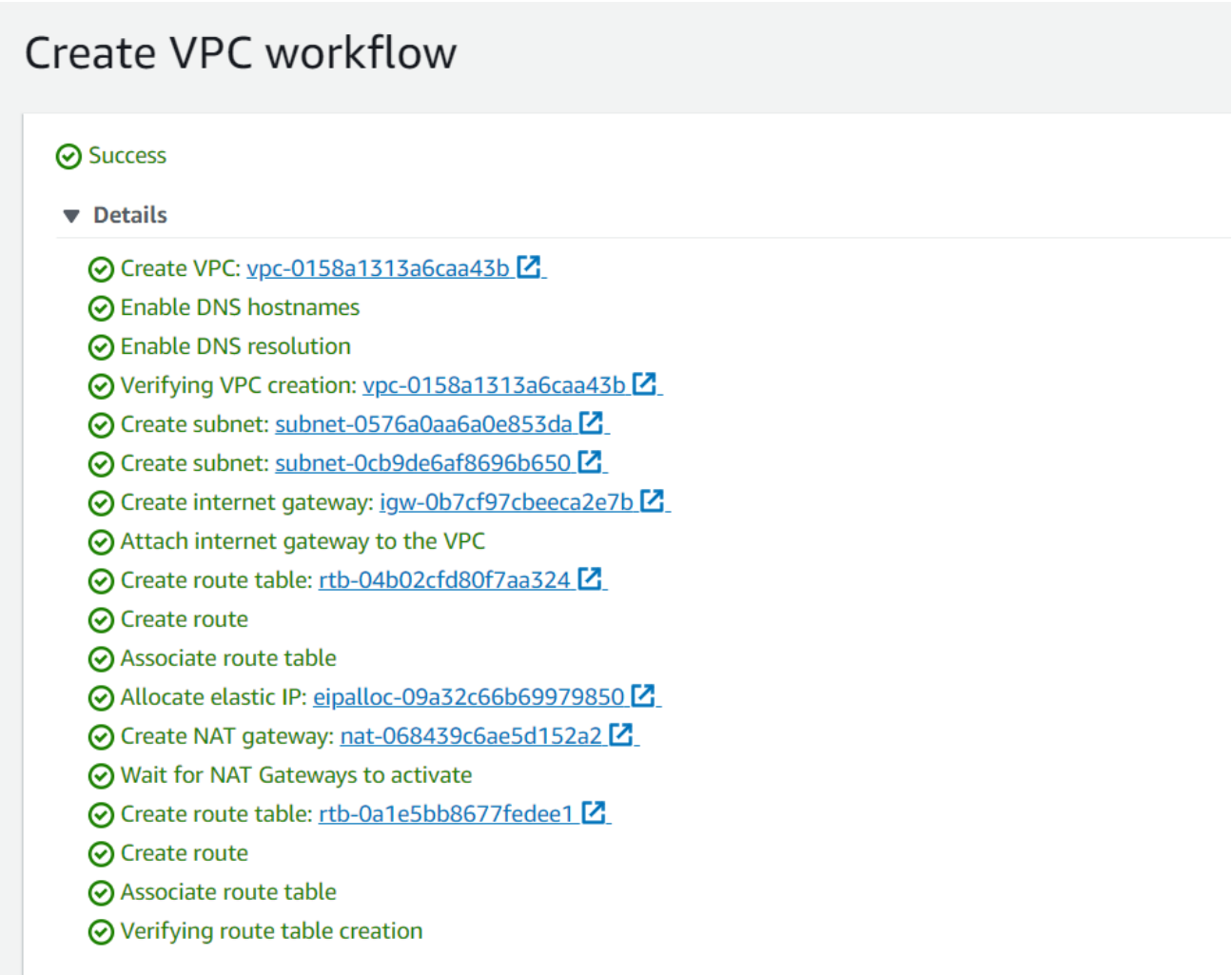

Figure 12: VPC is created Successfully.

Task 02:

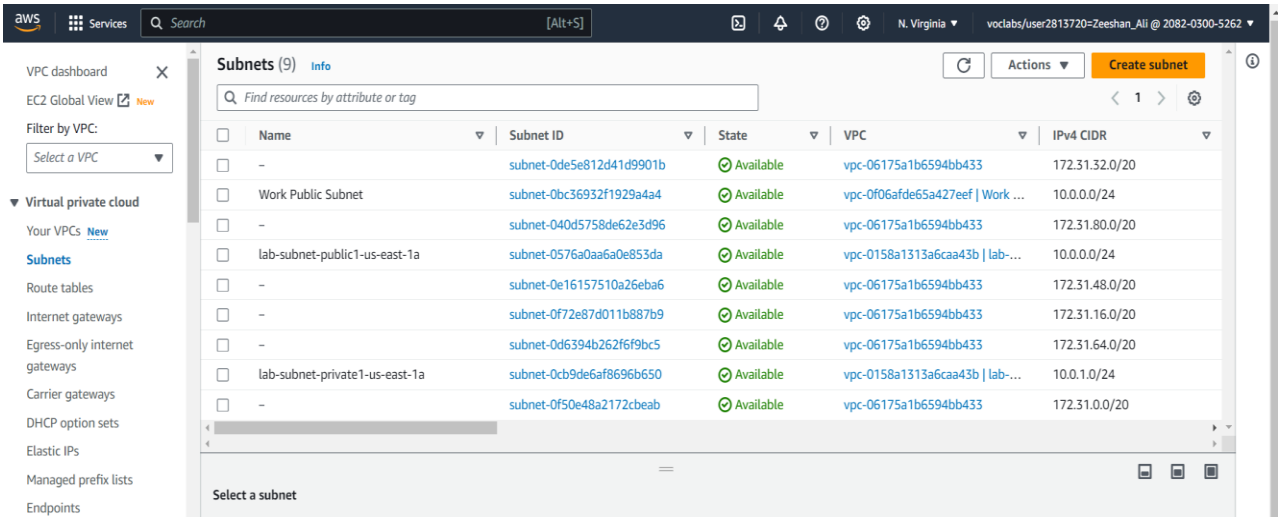

Figure 13: Exploring Subnets DASHBOARD.

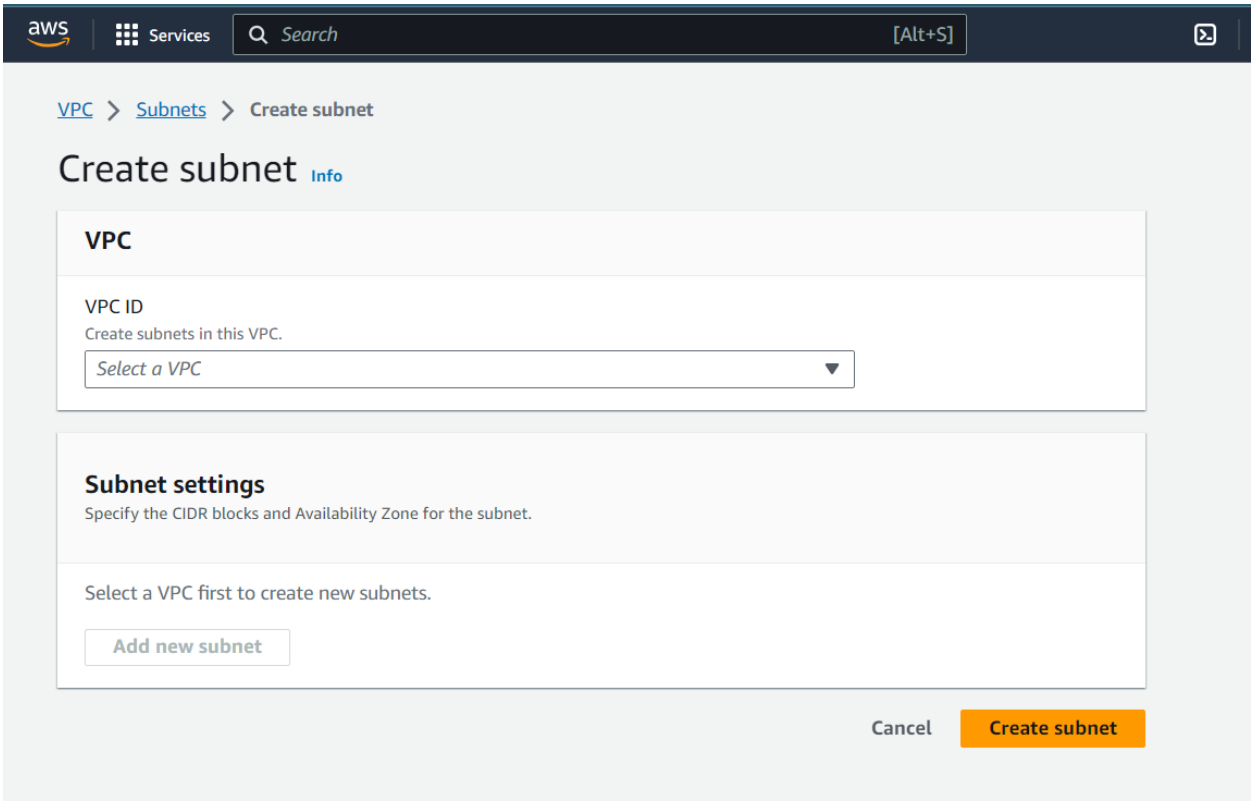

Figure 14: Create subnets interface.

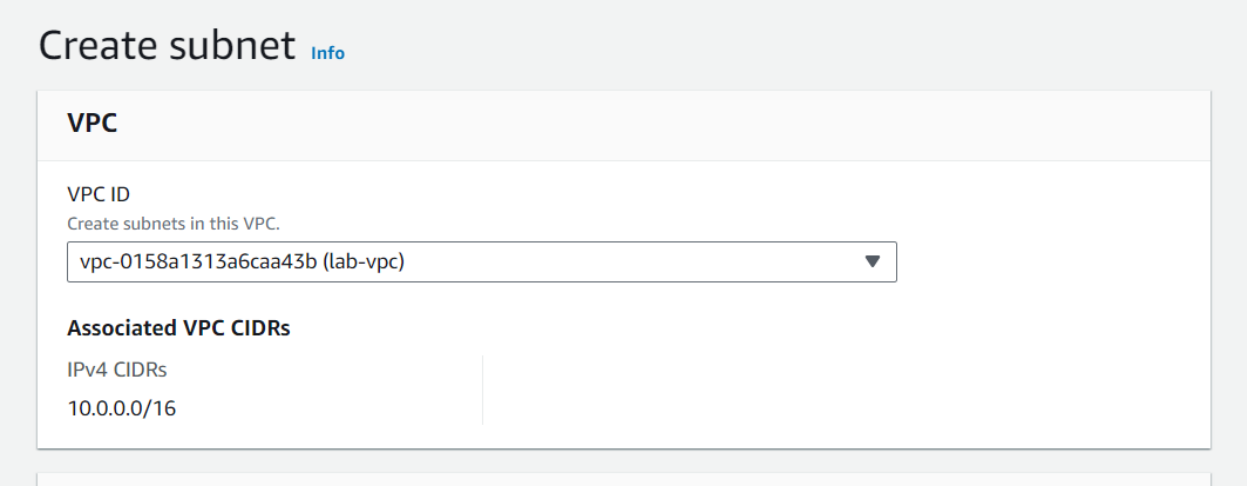

Figure 15: selecting VPC name.

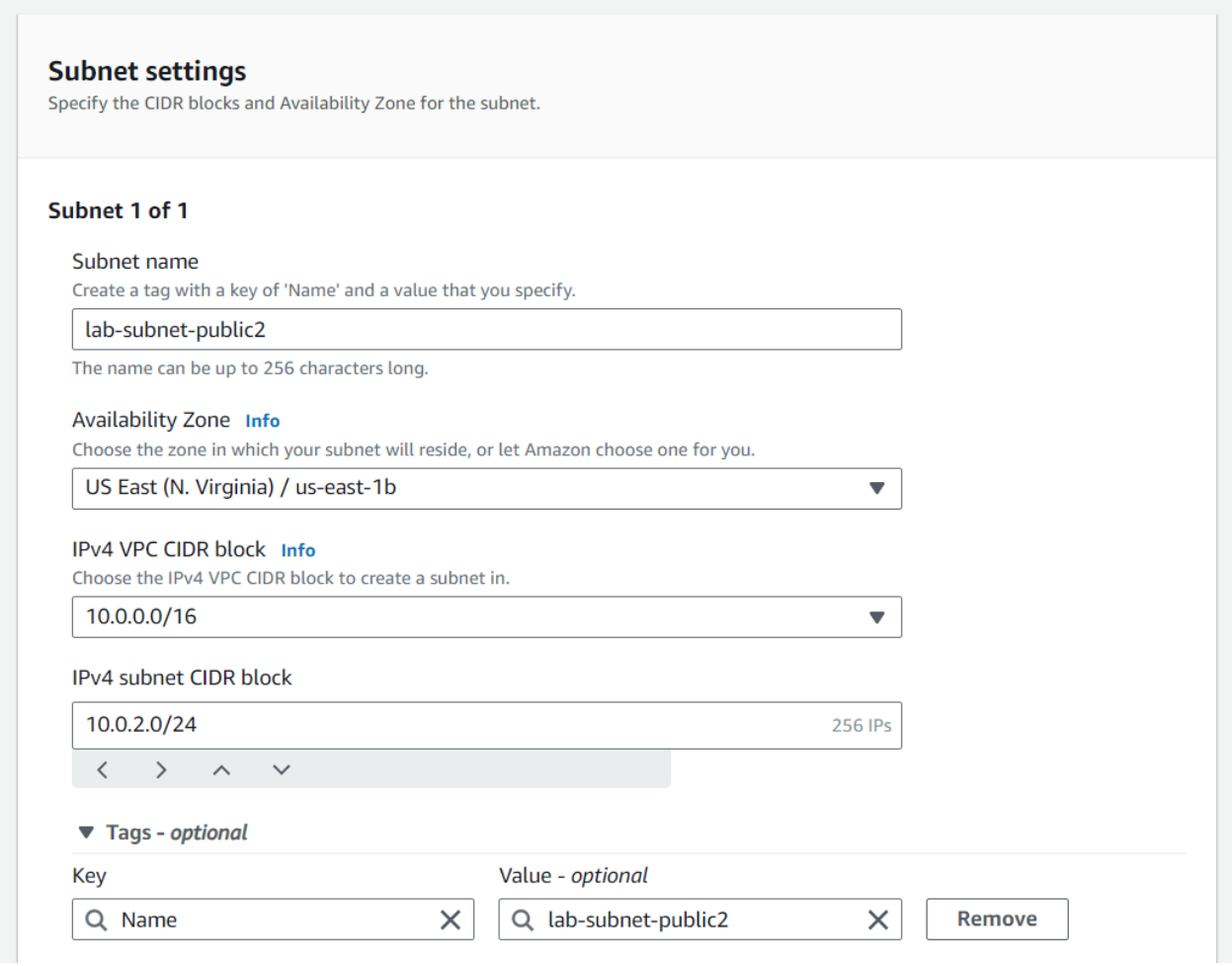

Figure 16: Add public subnet.

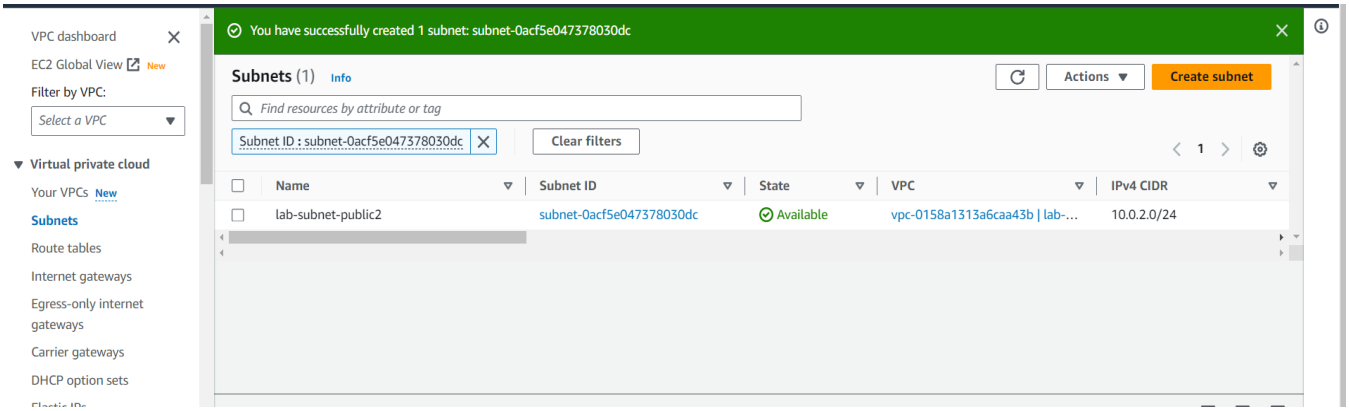

Figure 17: Public subnet added successfully.

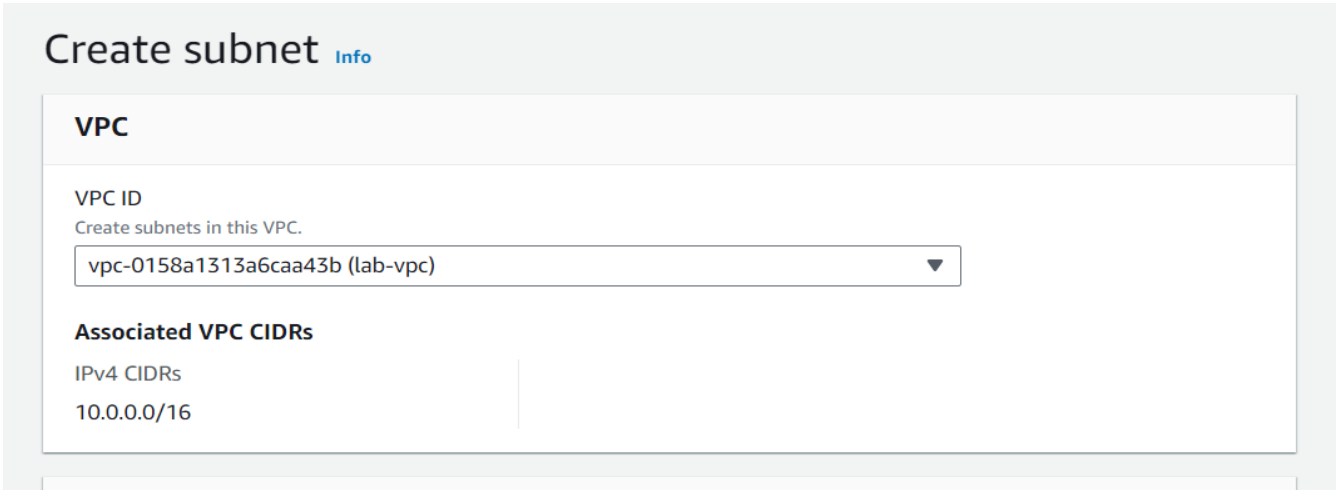

Figure 18: selecting VPC name.

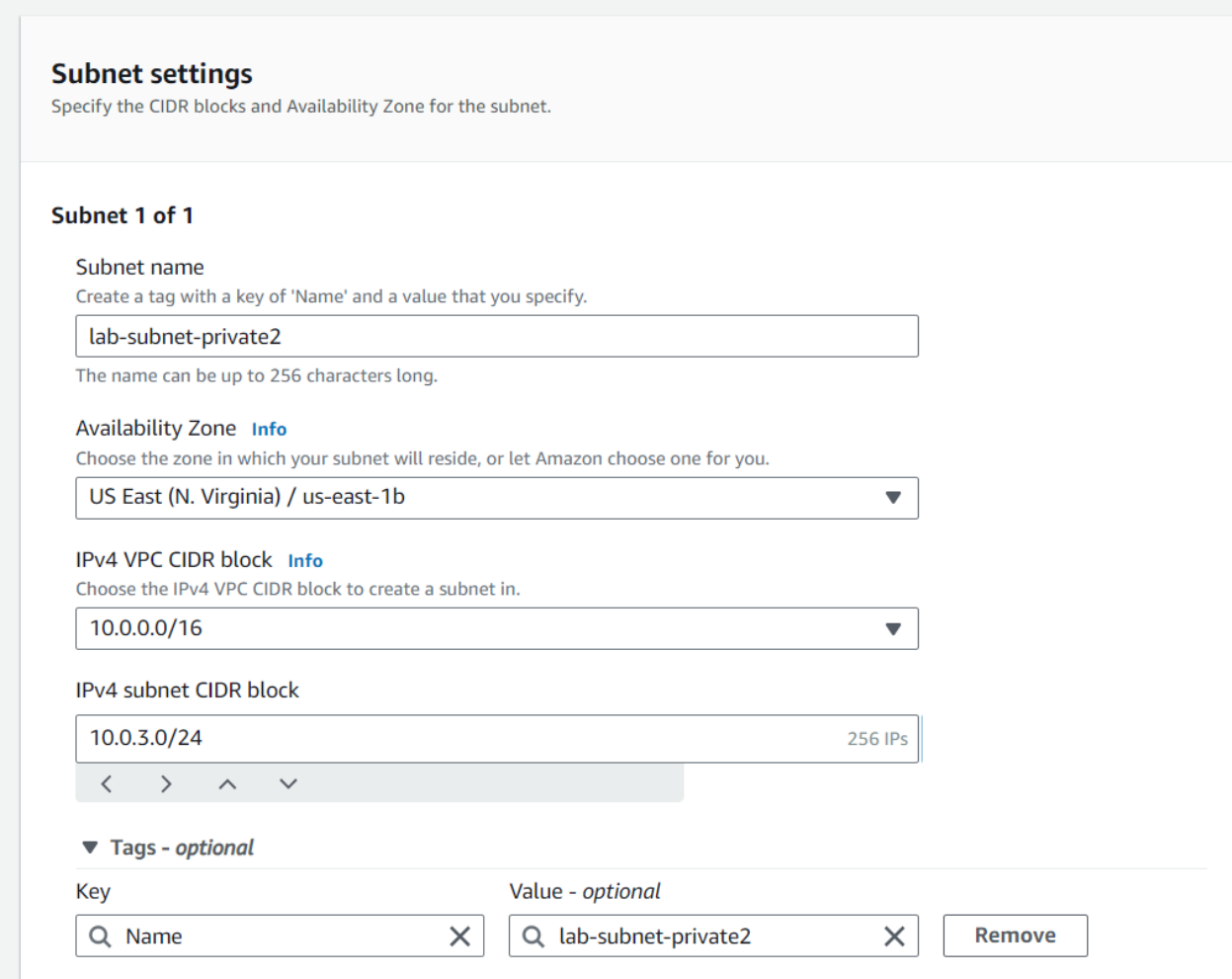

Figure 18: Add private subnet.

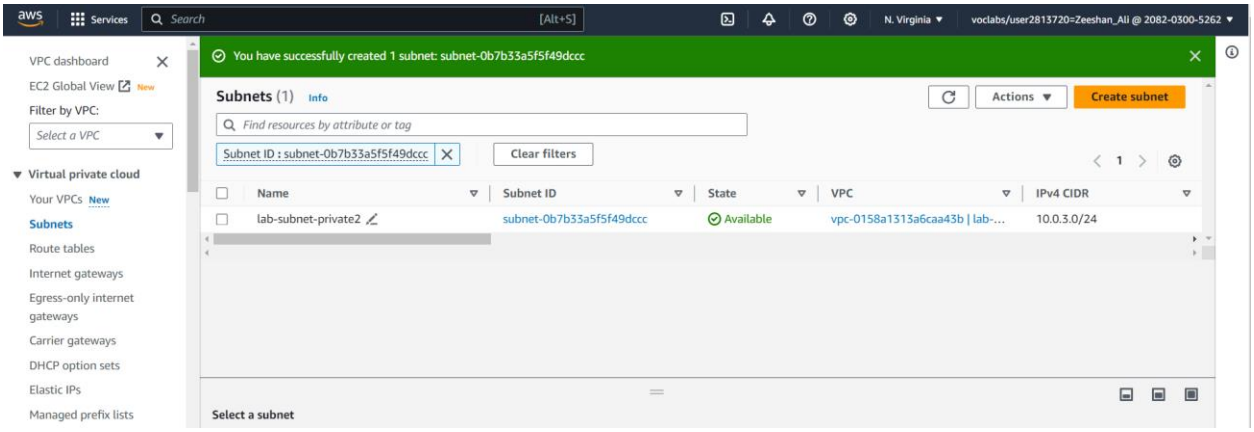

Figure 19: Private subnet added successfully.

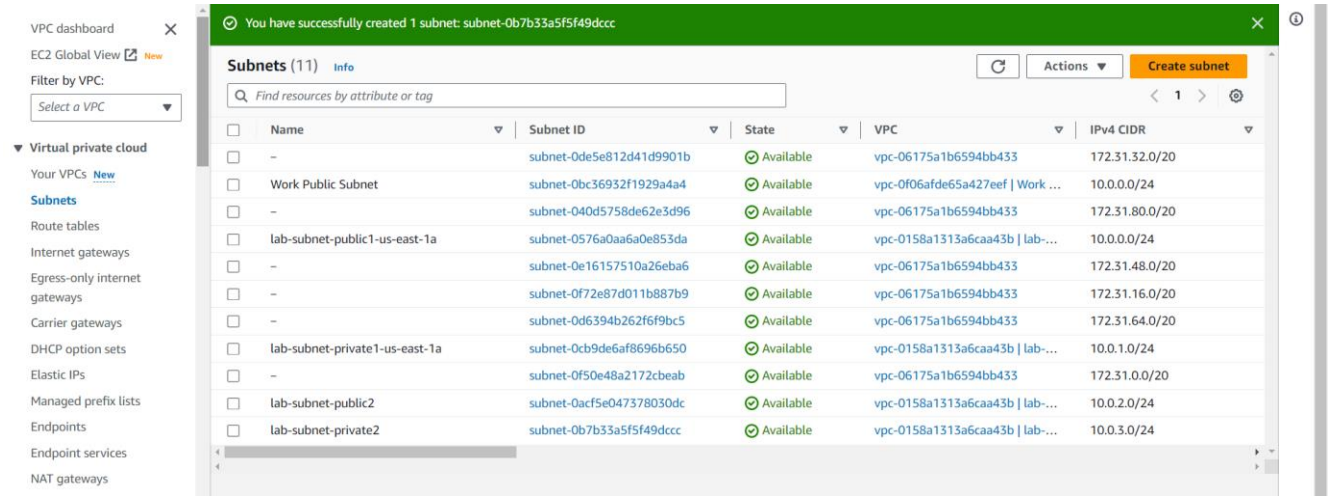

Figure 20: All listed subnets are in the VPC.

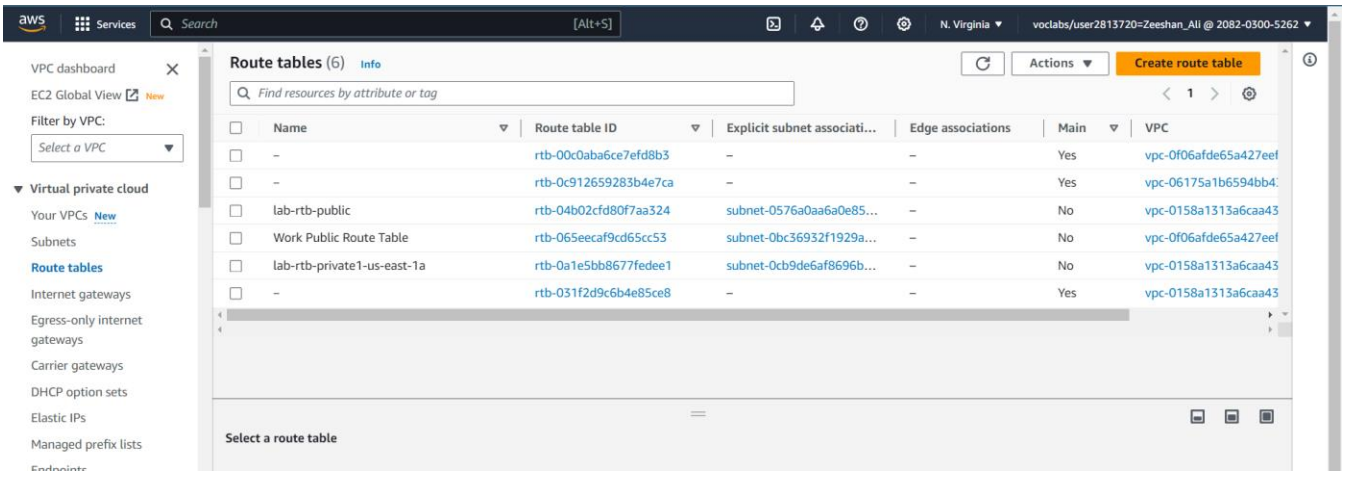

Figure 21: Route Table Dashboard.

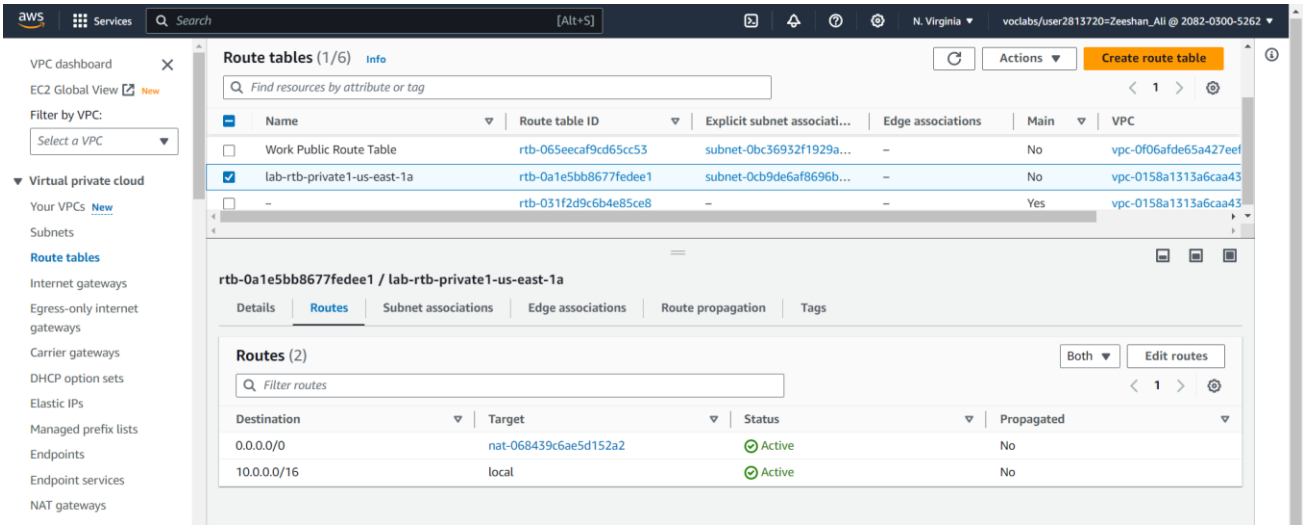

Figure 22: View the routes details of the private subnet.

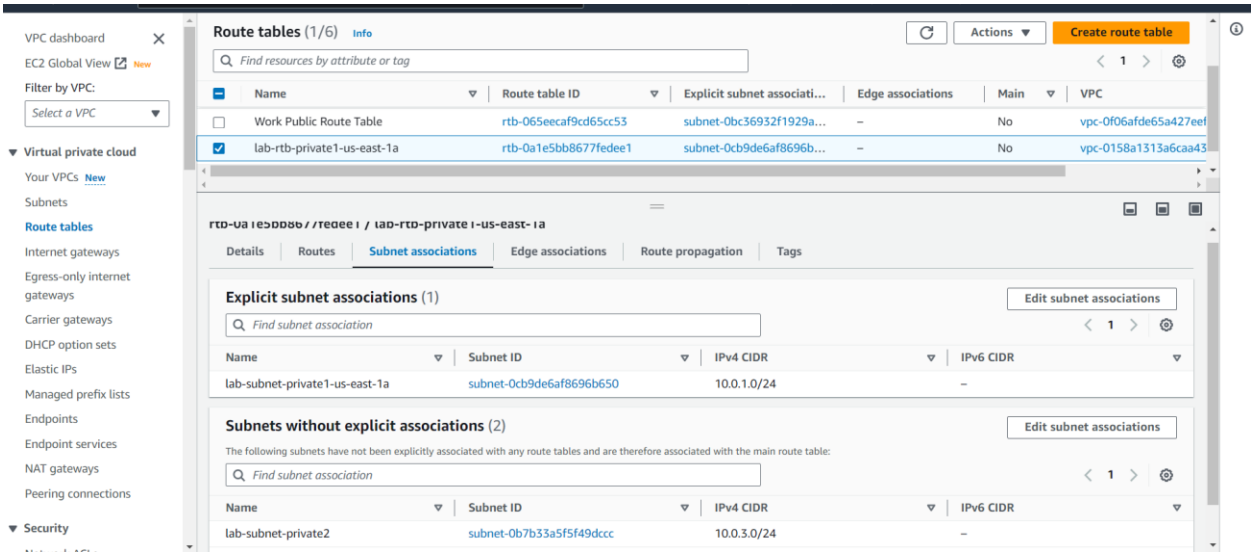

Figure 23: View the subnet association details of the private subnet.

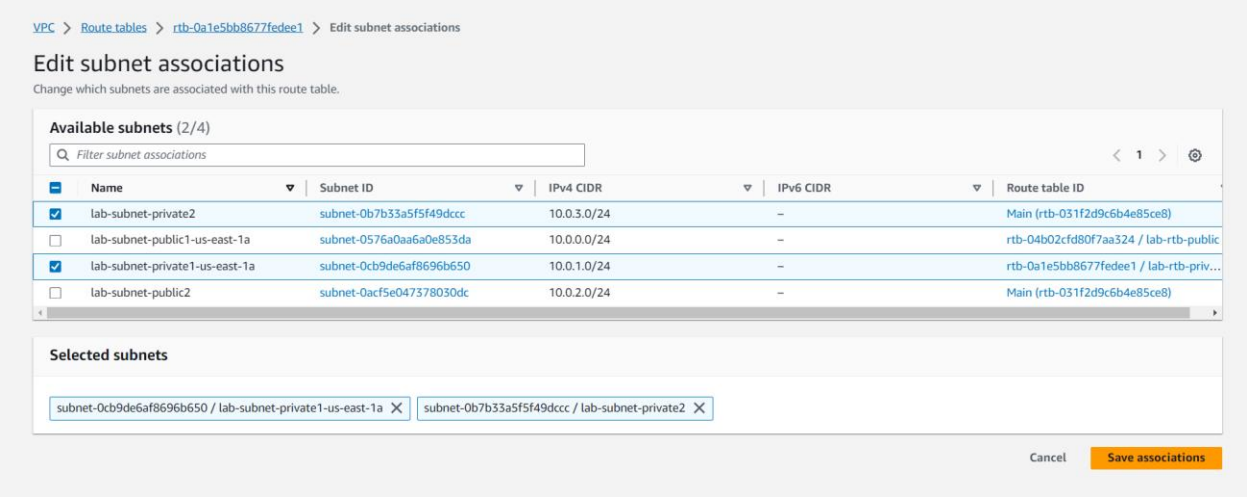

Figure 24: selecting the private-subnet-2 and then save it.

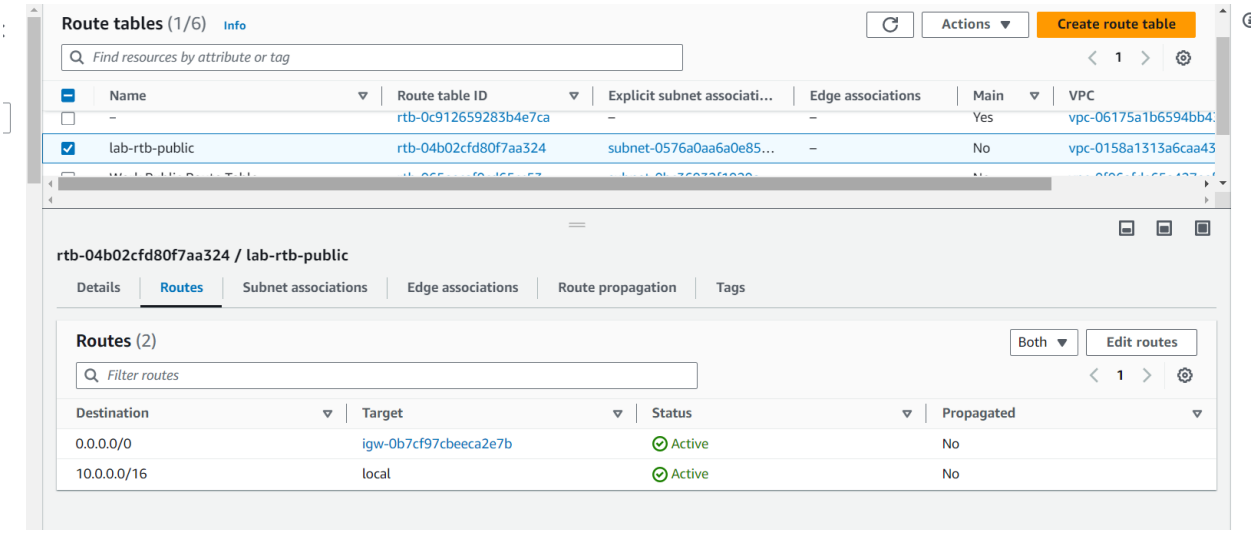

Figure 25: View the routes details of the public subnet.

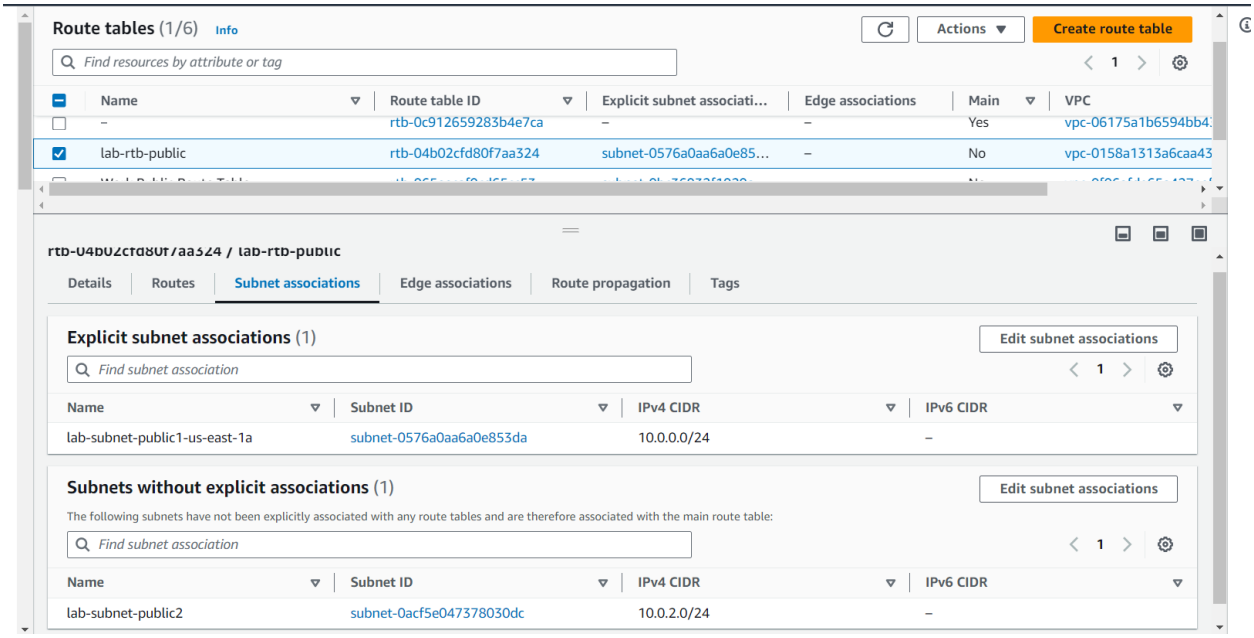

Figure 26: View the subnet association details of the public subnet.

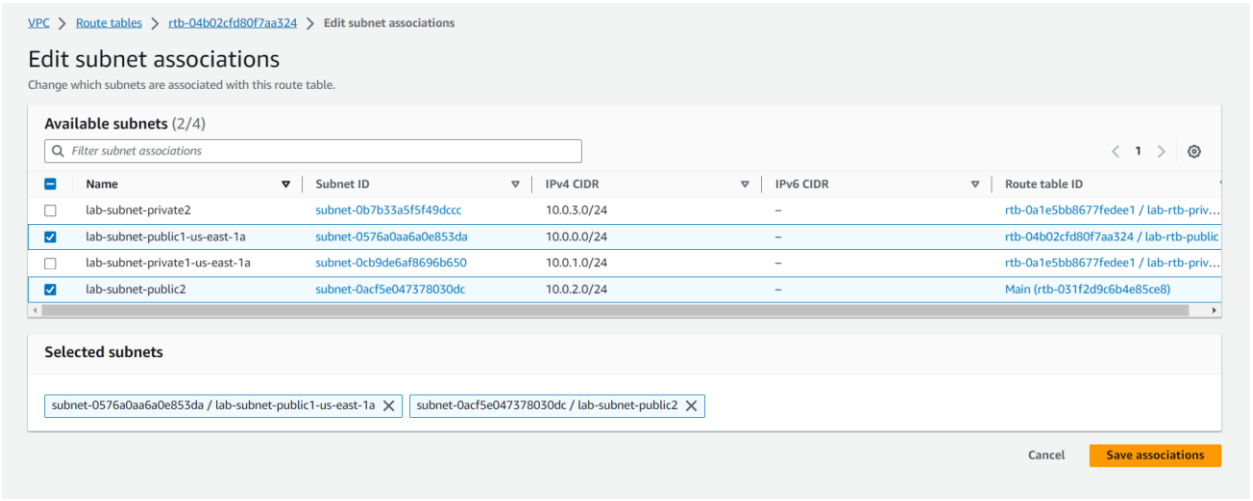

Figure 27: selecting the public-subnet-2 and then save it.

Task 03:

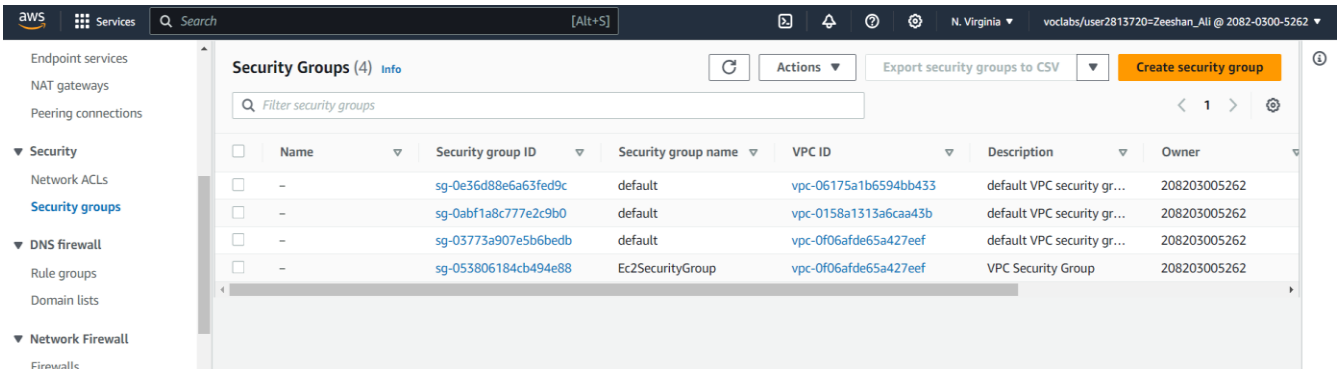

Figure 28: Security Groups Dashboard.

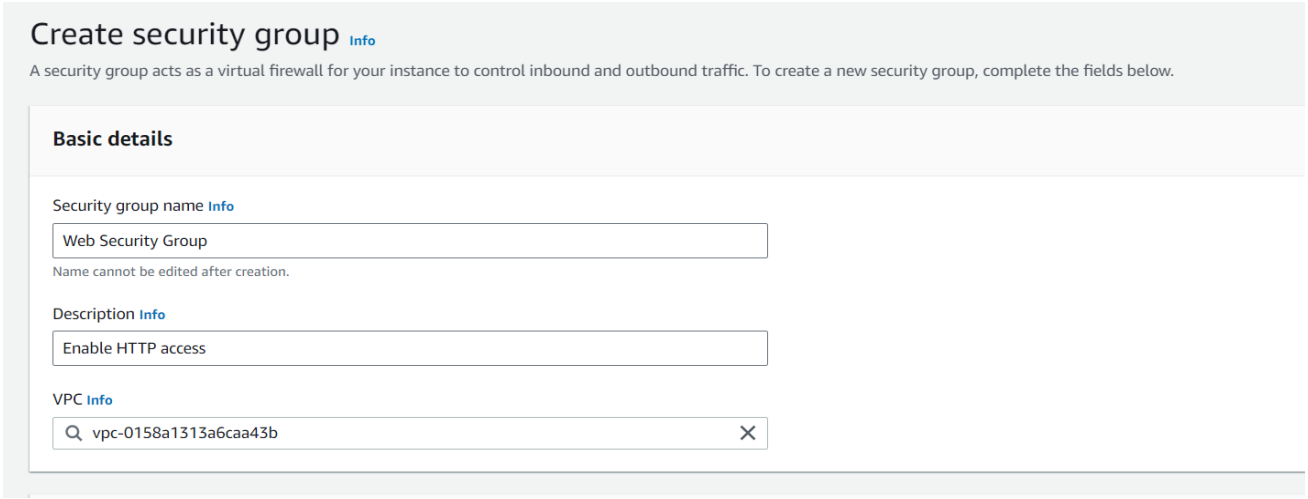

Figure 29: Enter the details to create Security Groups.

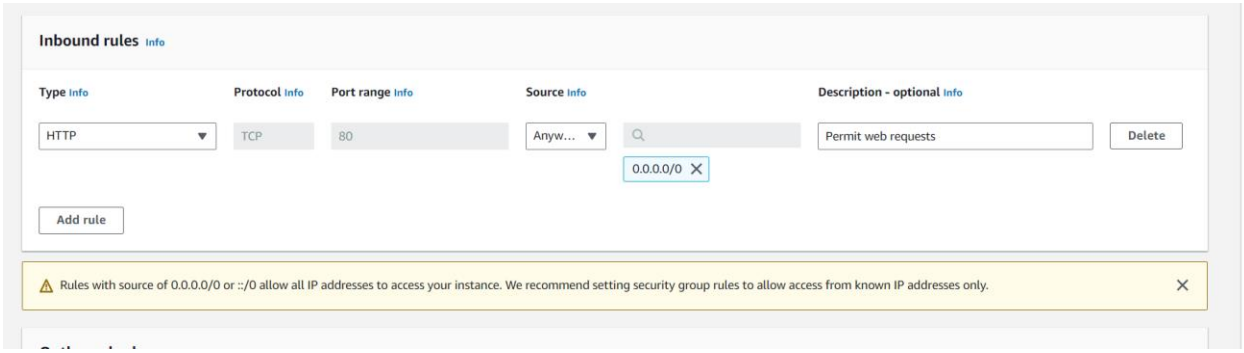

Figure 30: Adding inbound rules.

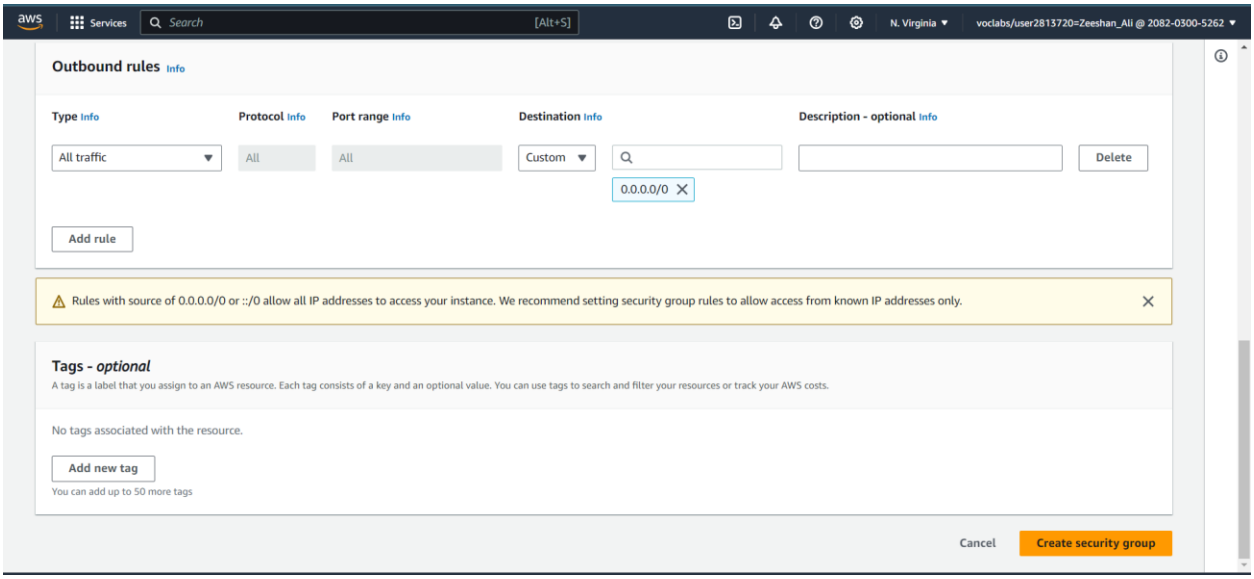

Figure 31: select create security group for creation.

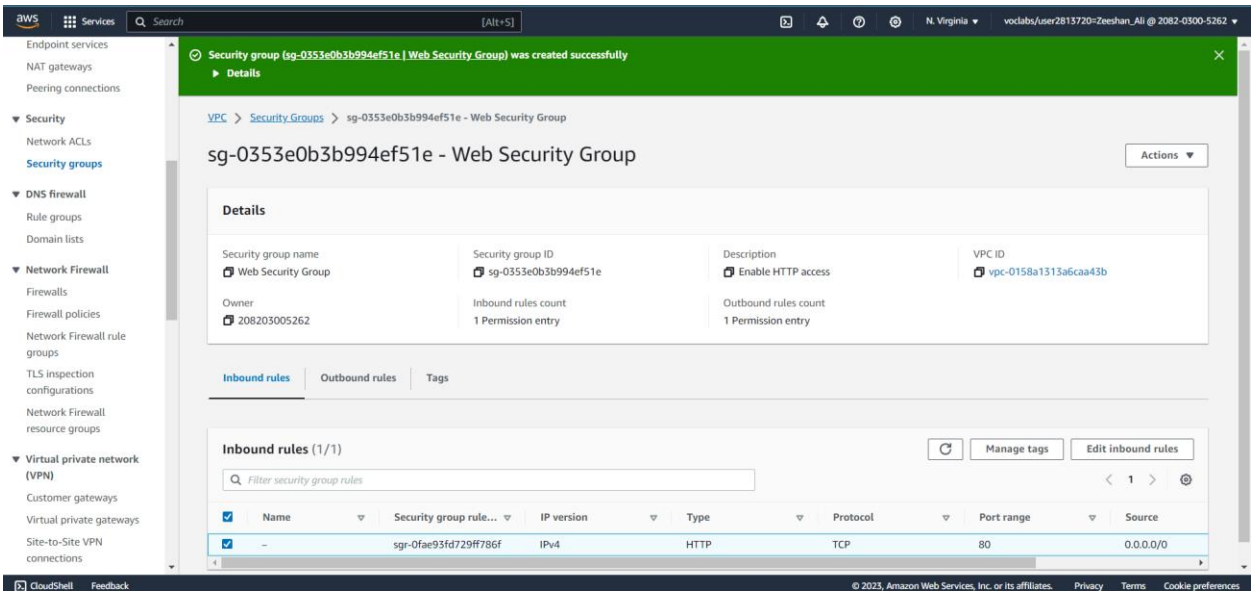

Figure 32: Security Group Created Successfully.

Task 04:

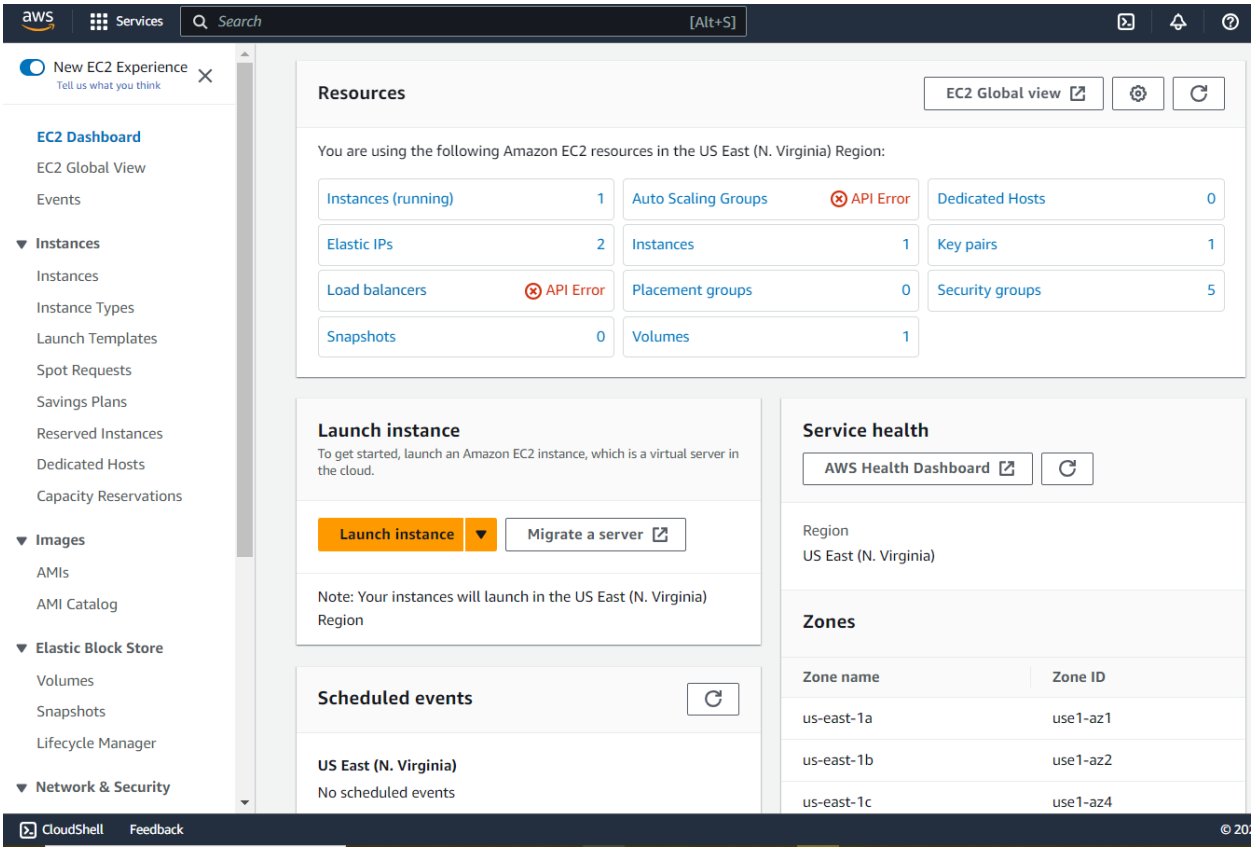

Figure 33: Launch EC2 Instance.

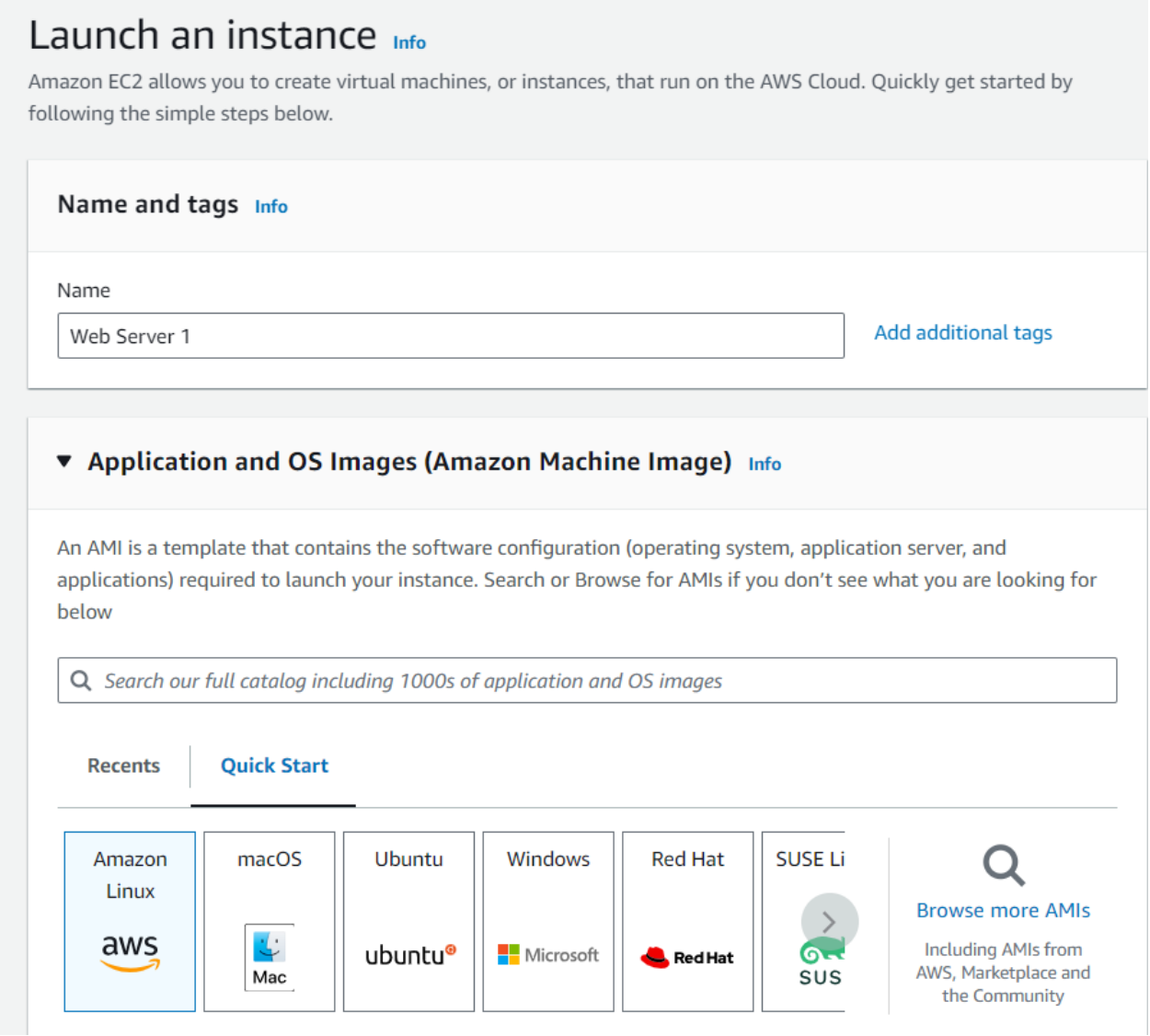

Figure 34: Assigning name and selecting required details.

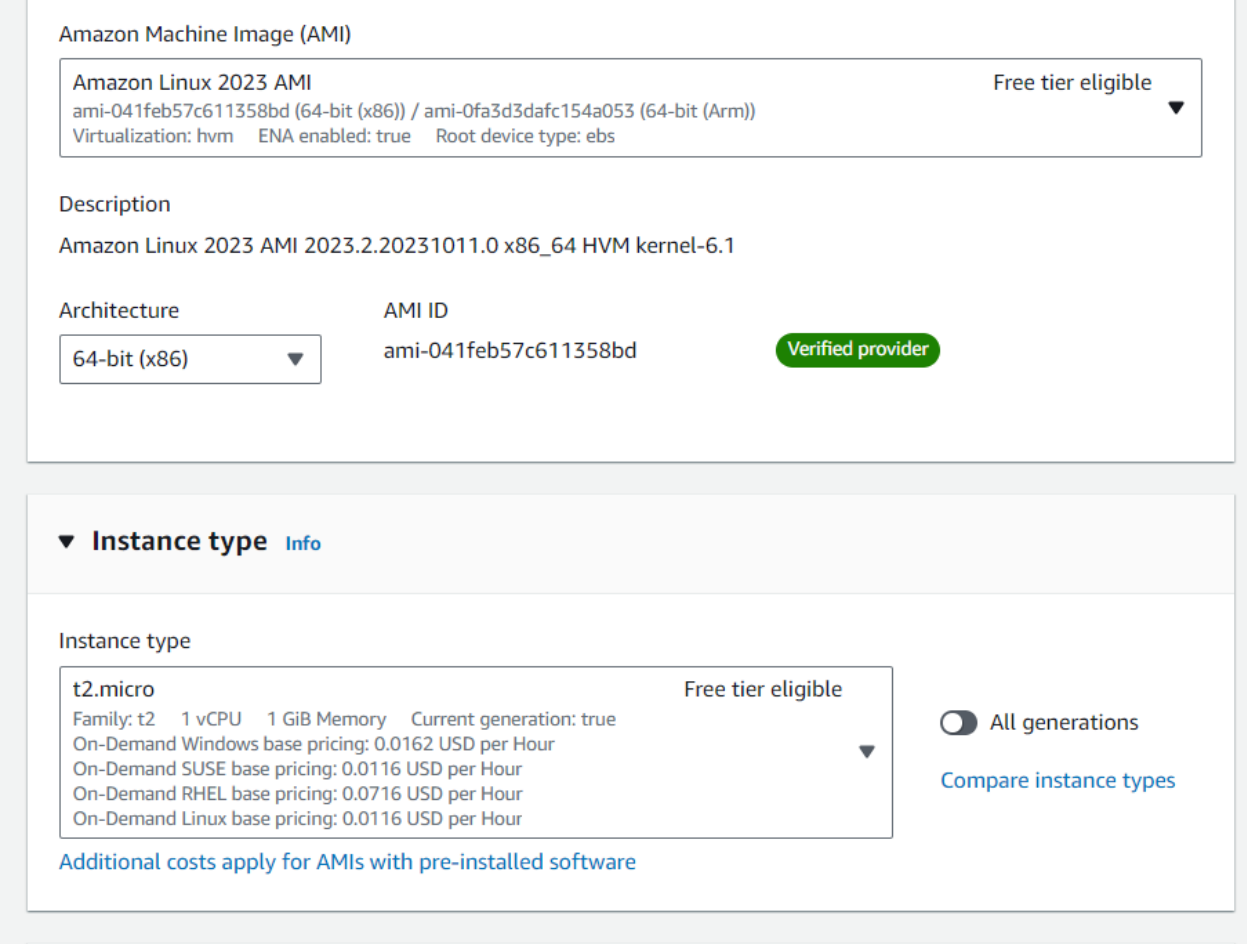

Figure 35: selecting required details.

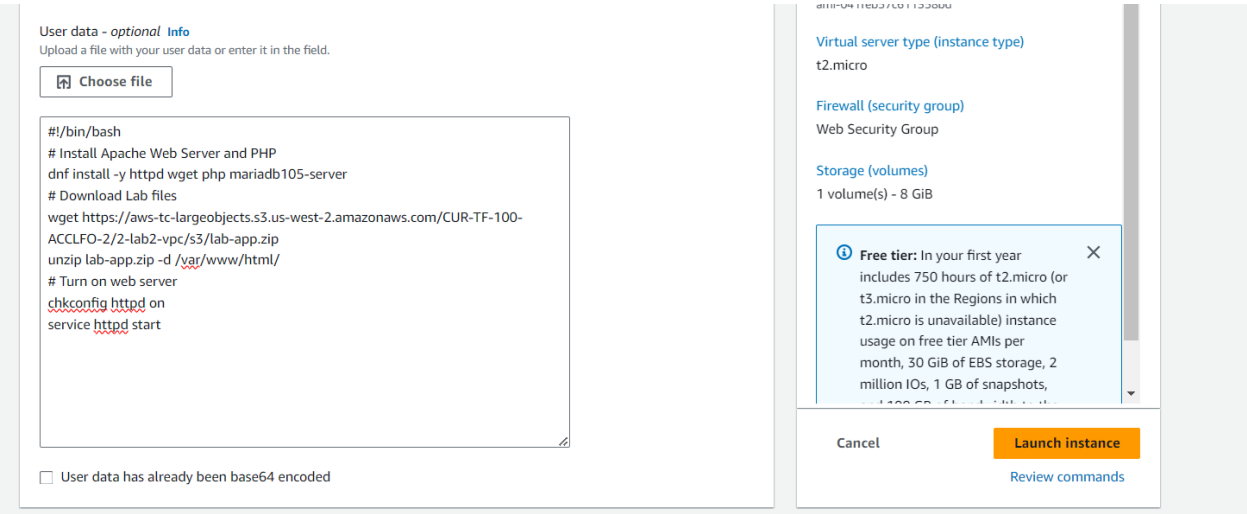

Figure 36: Add Script in the user data box & then launch instance.

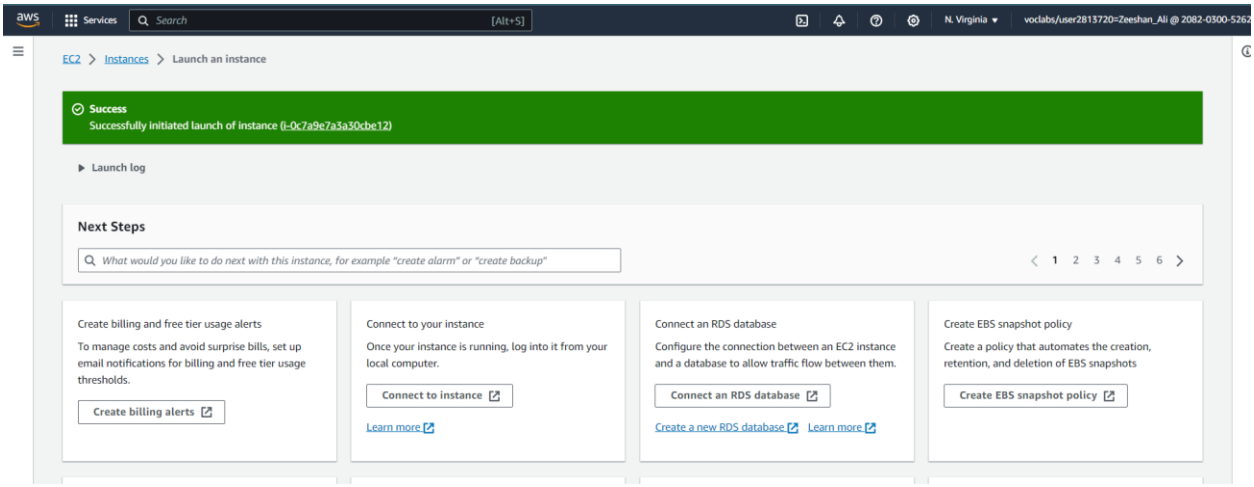

Figure 37: Successfully launch the instances with specific details.

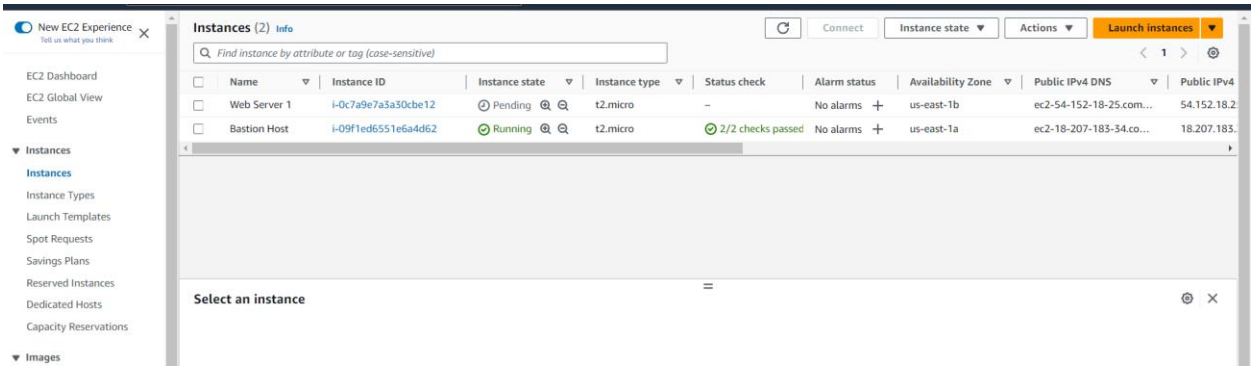

Figure 38: The instance is in pending stage.

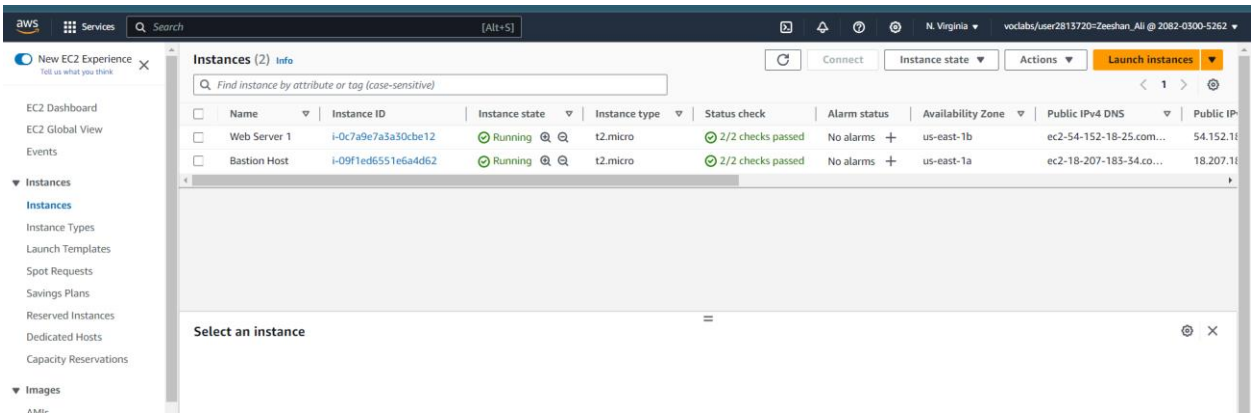

Figure 39: The instance is in running stage.

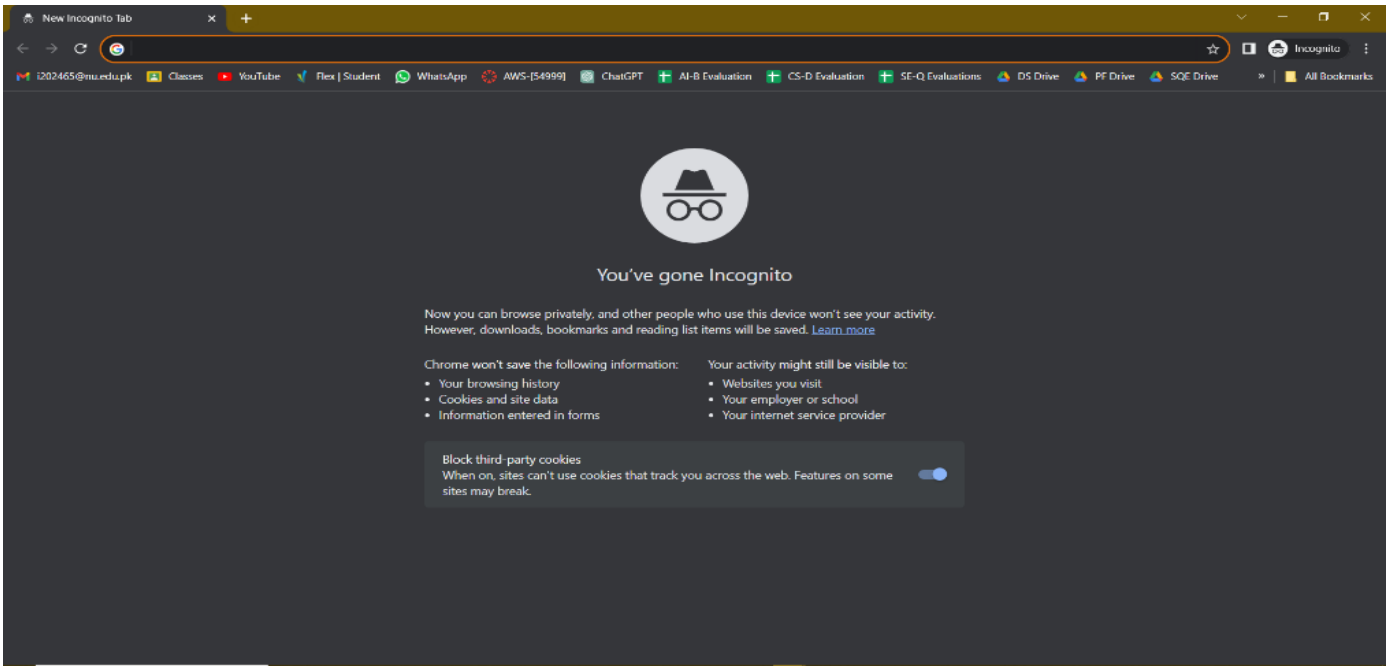

Figure 40: New private incognito tab

Figure 41: EC2-Instances public IP to verify webserver details.

Lab Ended:

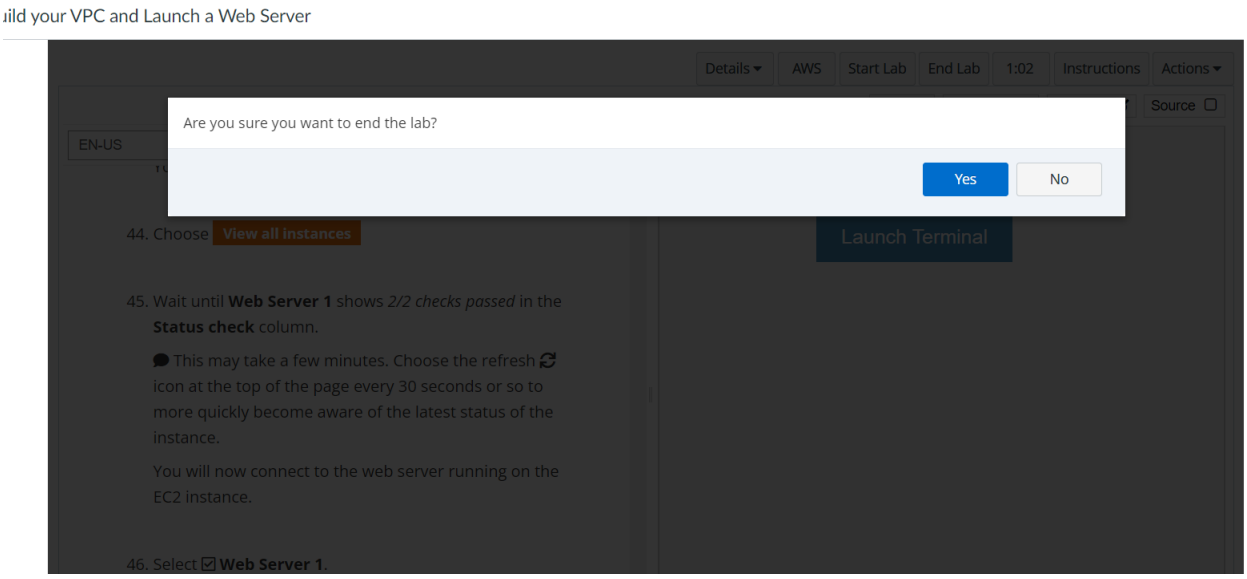

Figure 42: pop-up mesg to end the lab.

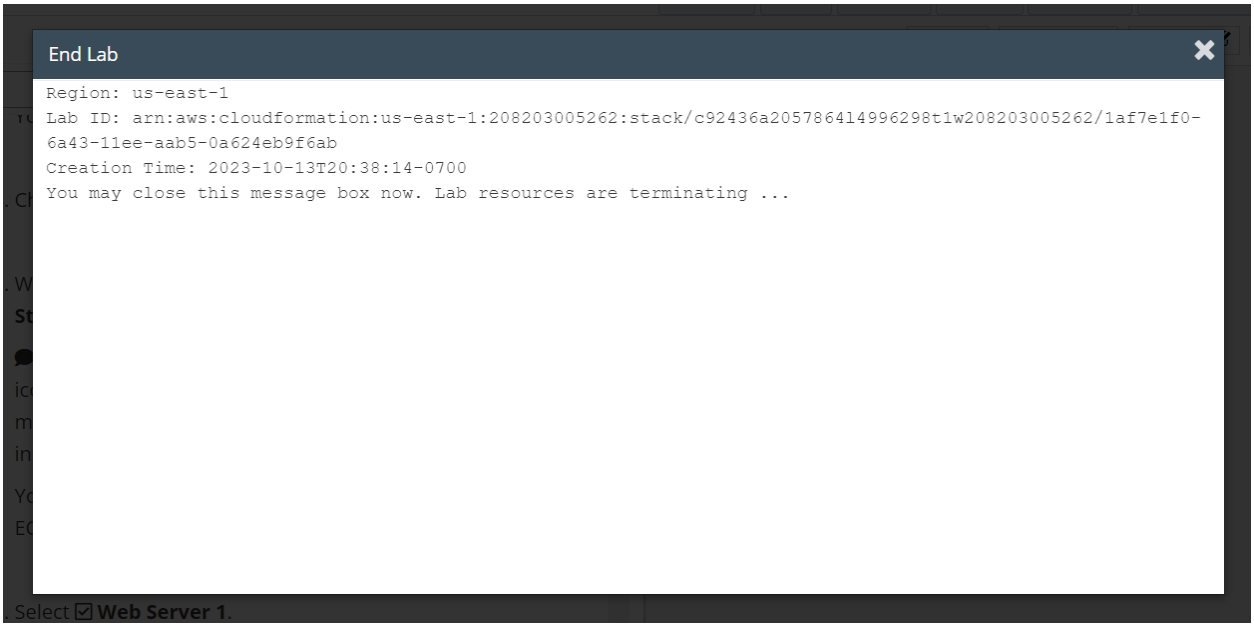

Figure 43: All resources are terminating.