Class – M.Sc. (Computer Science) Part II- Sem III

Cloud Computing Practical Assignment No 4

Working and Implementation of Infrastructure as a service

Task 1: Launch Your Amazon EC2 Instance.

Write the shell script in User Data box.

The script will:

• Install an Apache web server (httpd)

• Configure the web server to automatically start on boot

• Run the Web server once it has finished installing

• Create a simple web page

Task 2: Monitor Your Instance

Task 3: Update Your Security Group and Access the Web Server

Task 4: Resize Your Instance: Instance Type and EBS Volume

Task 5: Test Termination Protection.

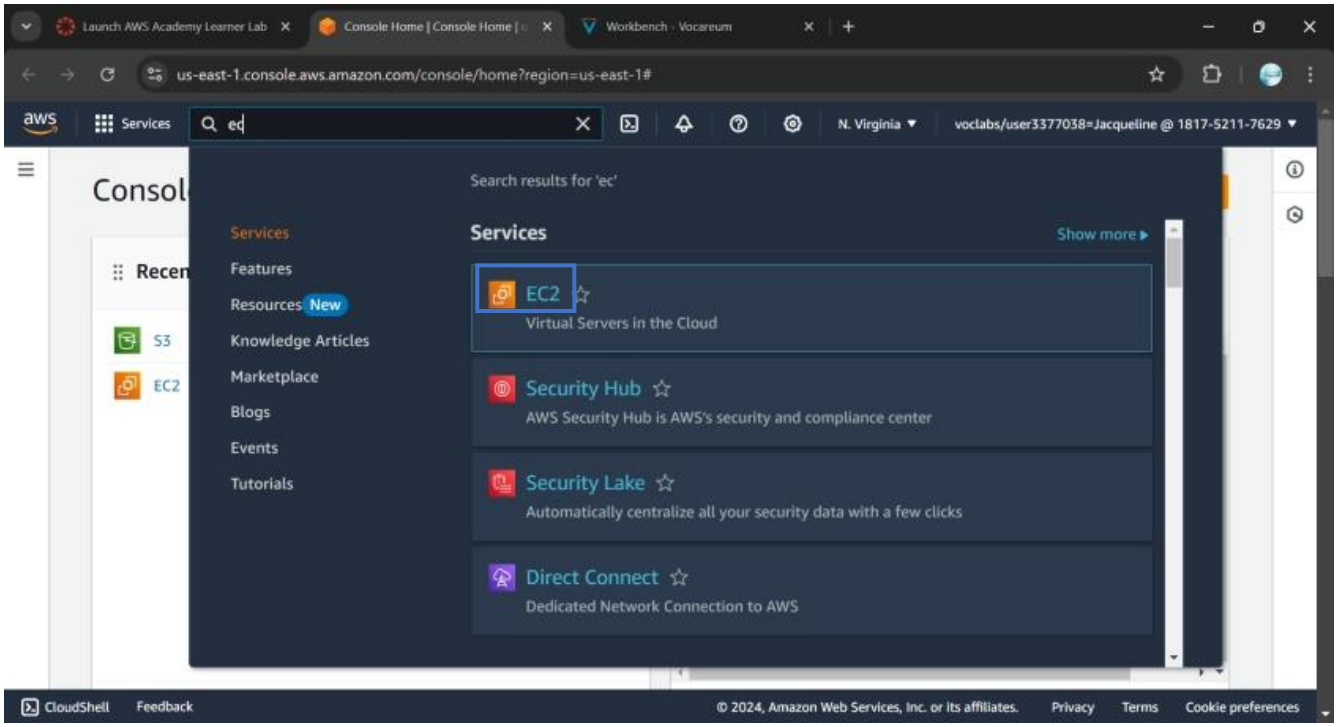
(Use AWS Platform)

Prepare a Screenshots file and write down the steps.

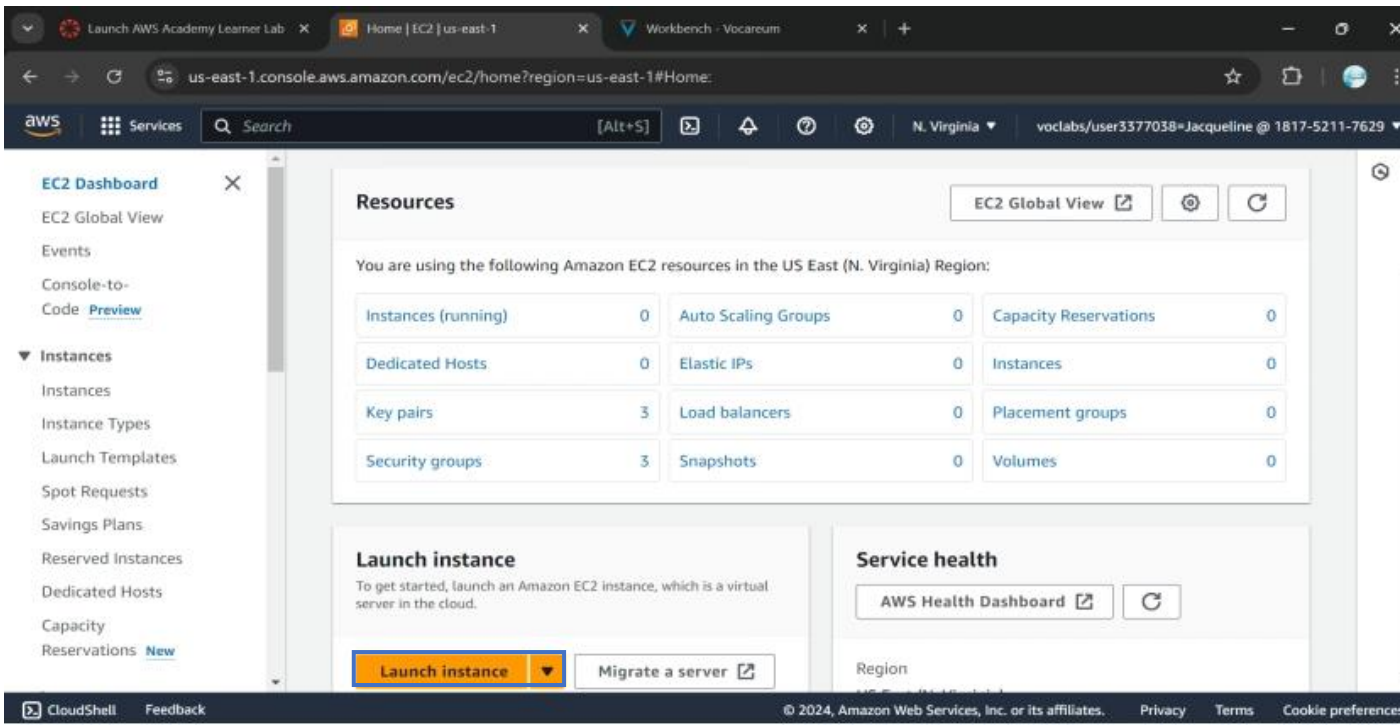
Make a single word or PDF file

Task 1: Launch Your Amazon EC2 Instance.

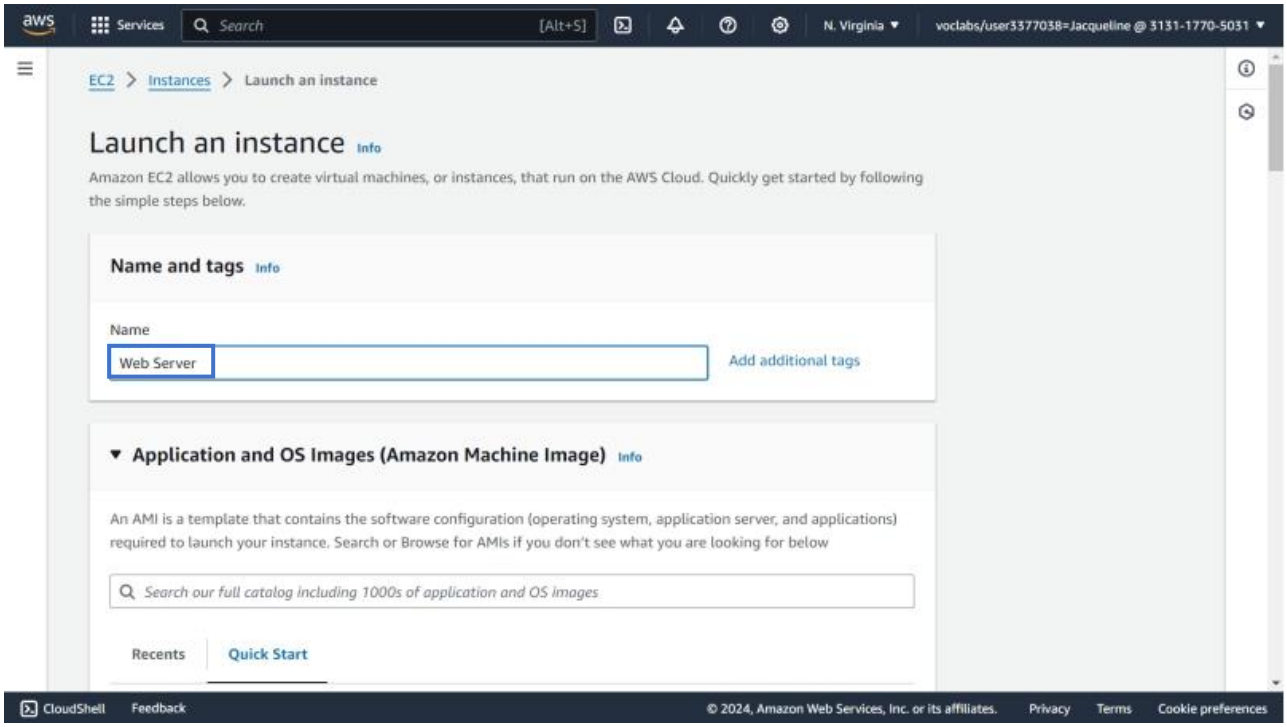
Step 1: Select the Compute Service and in that select EC2.



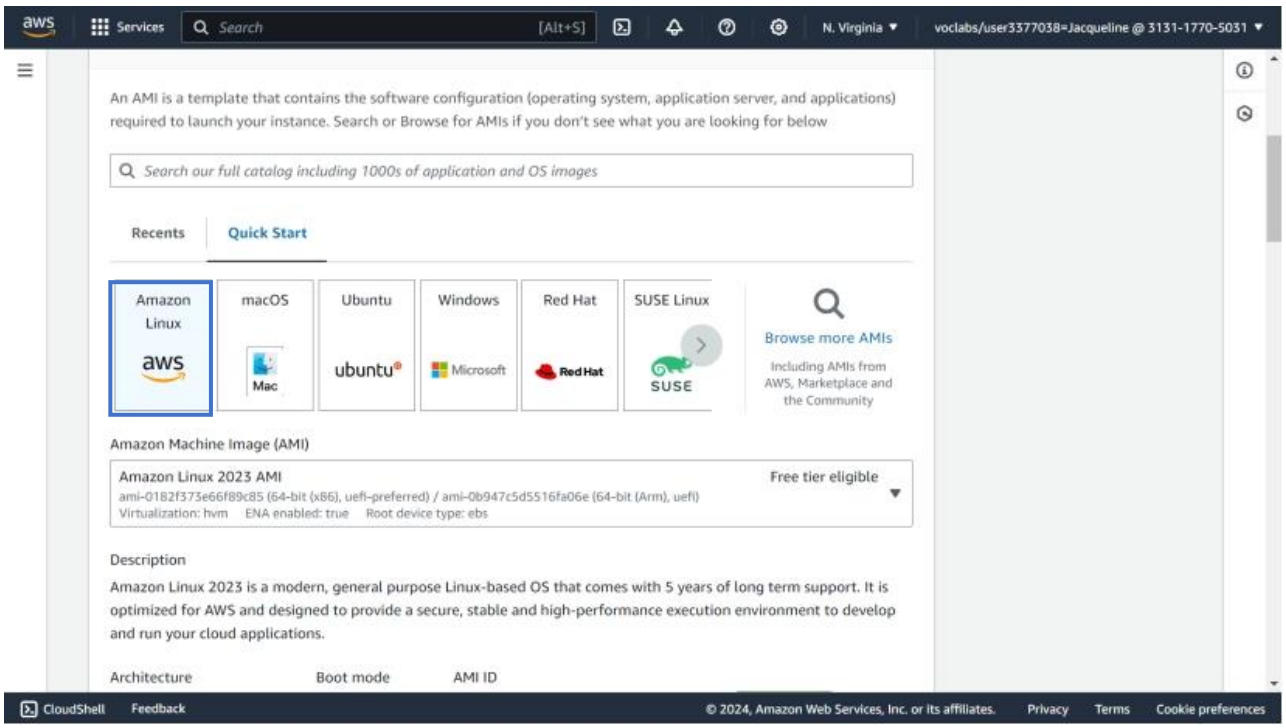
Step 2: Choose the ‘Launch instance’ menu and select Launch instance**.**



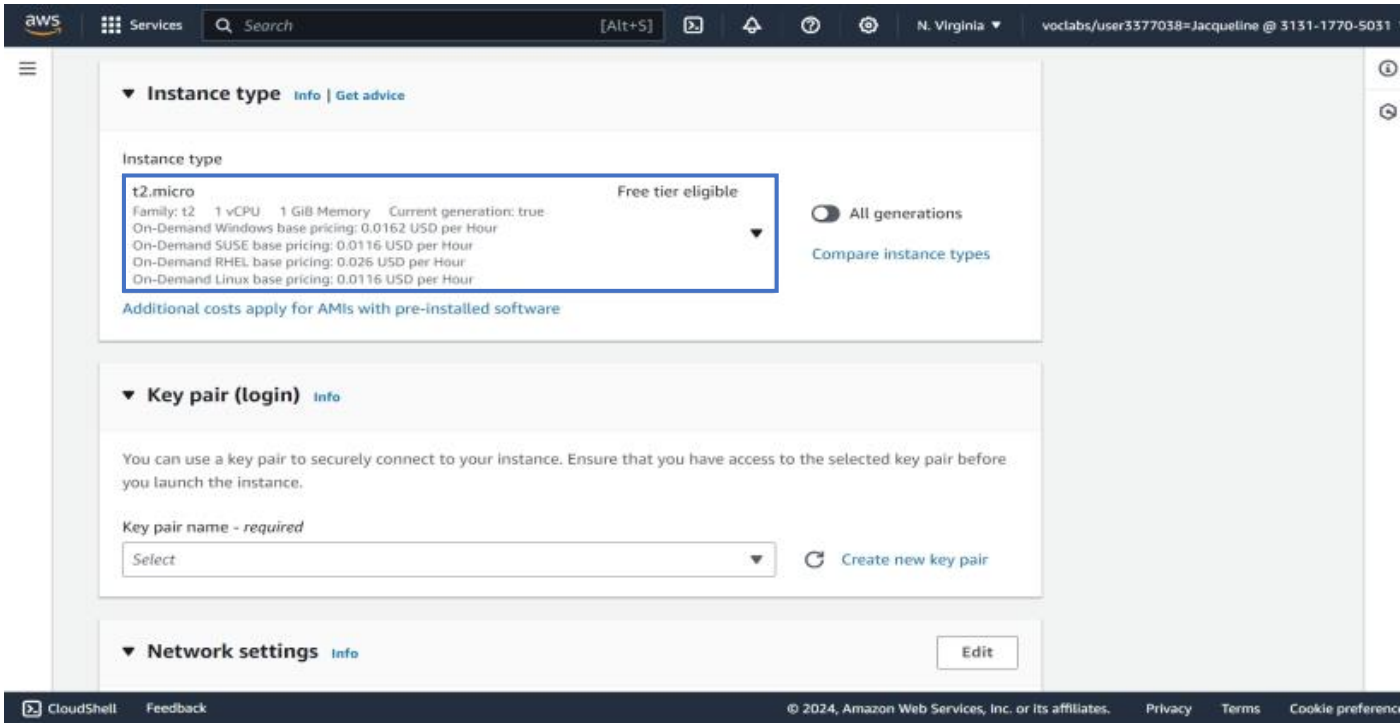
Step 3: Give the name as Web Server.



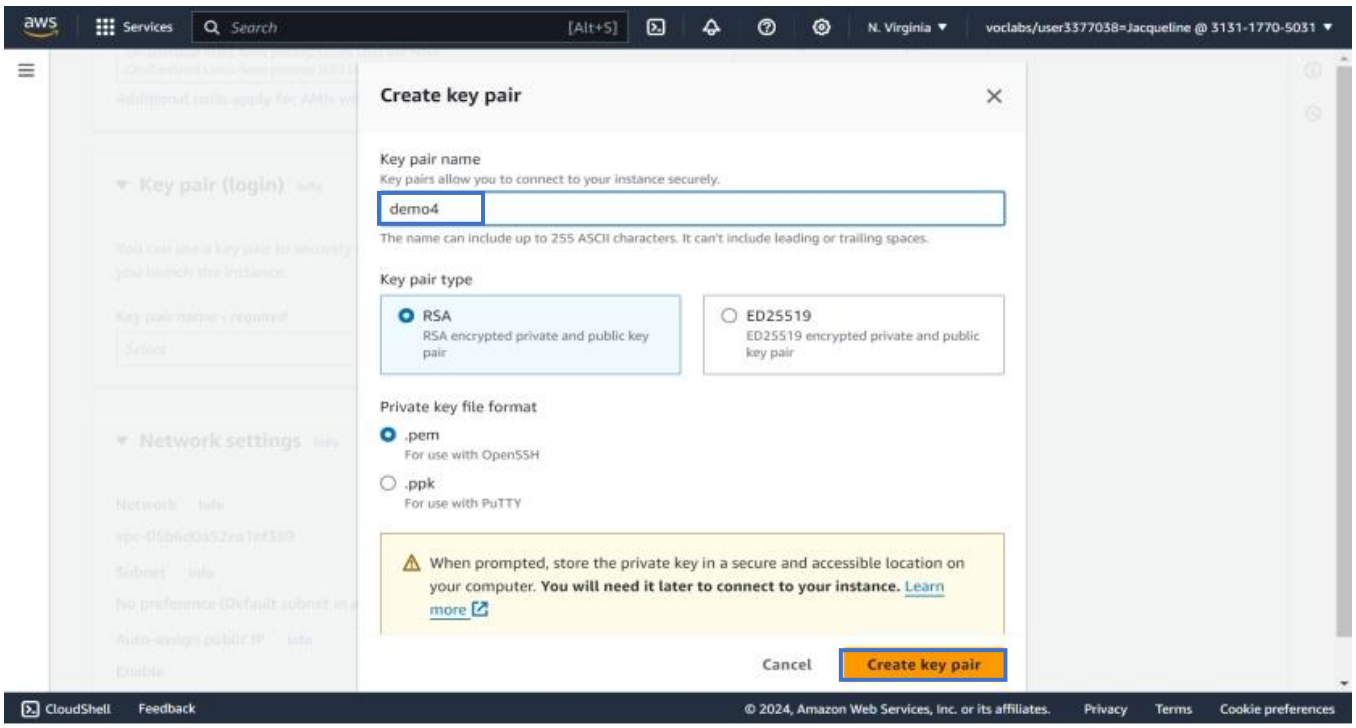
Step 4: Select the AMI as Linux.



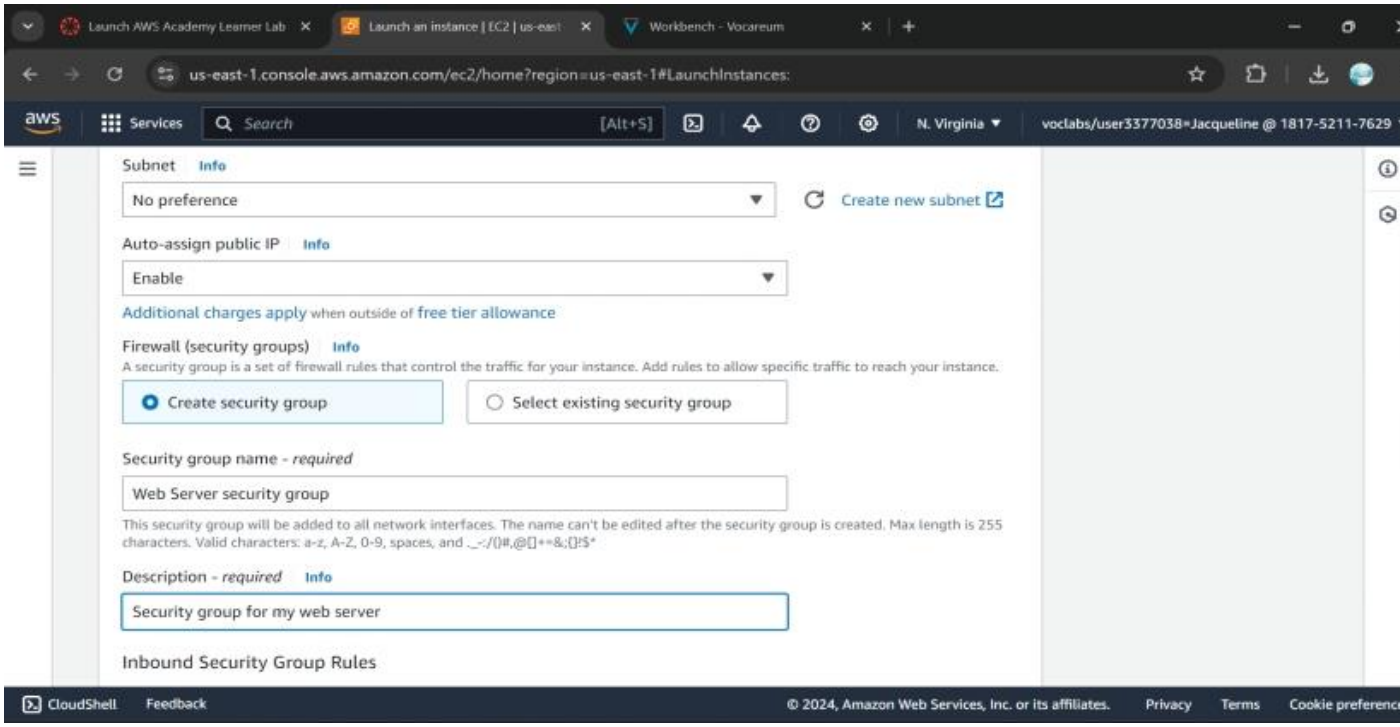
Step 5: Select the instance type as t2.micro.



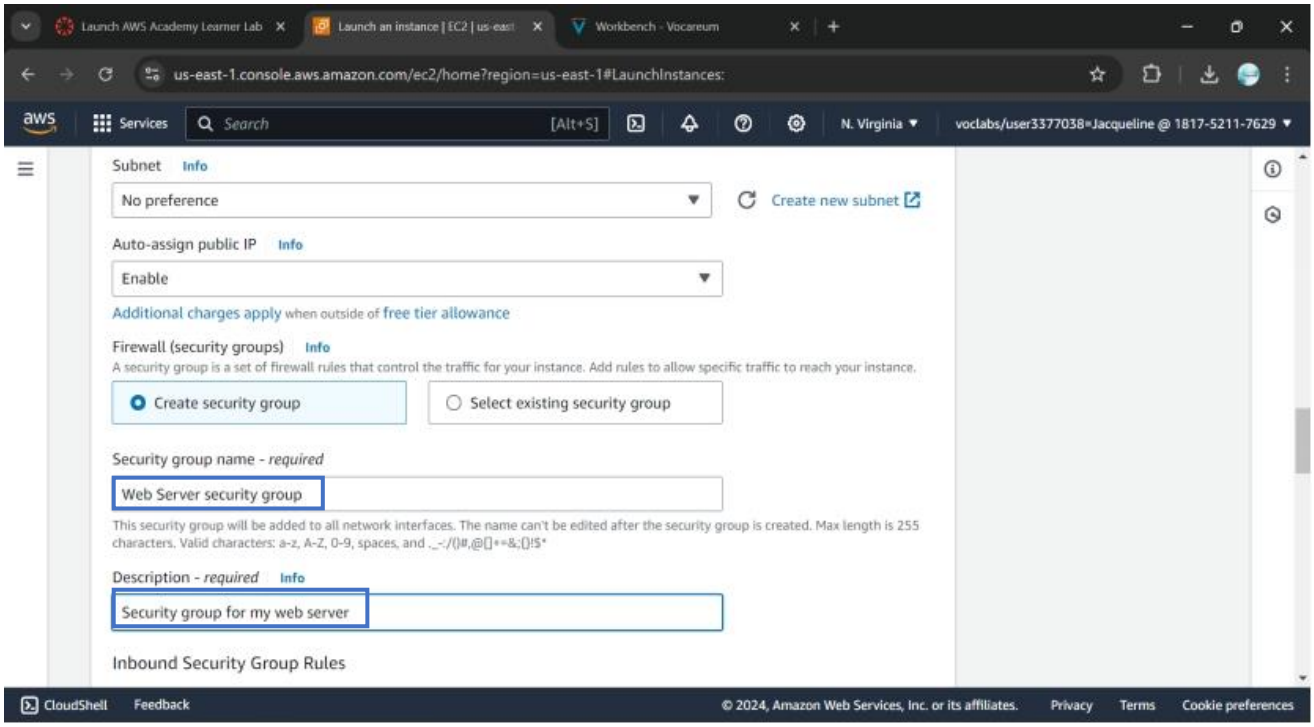
Step 6: Give the key name.



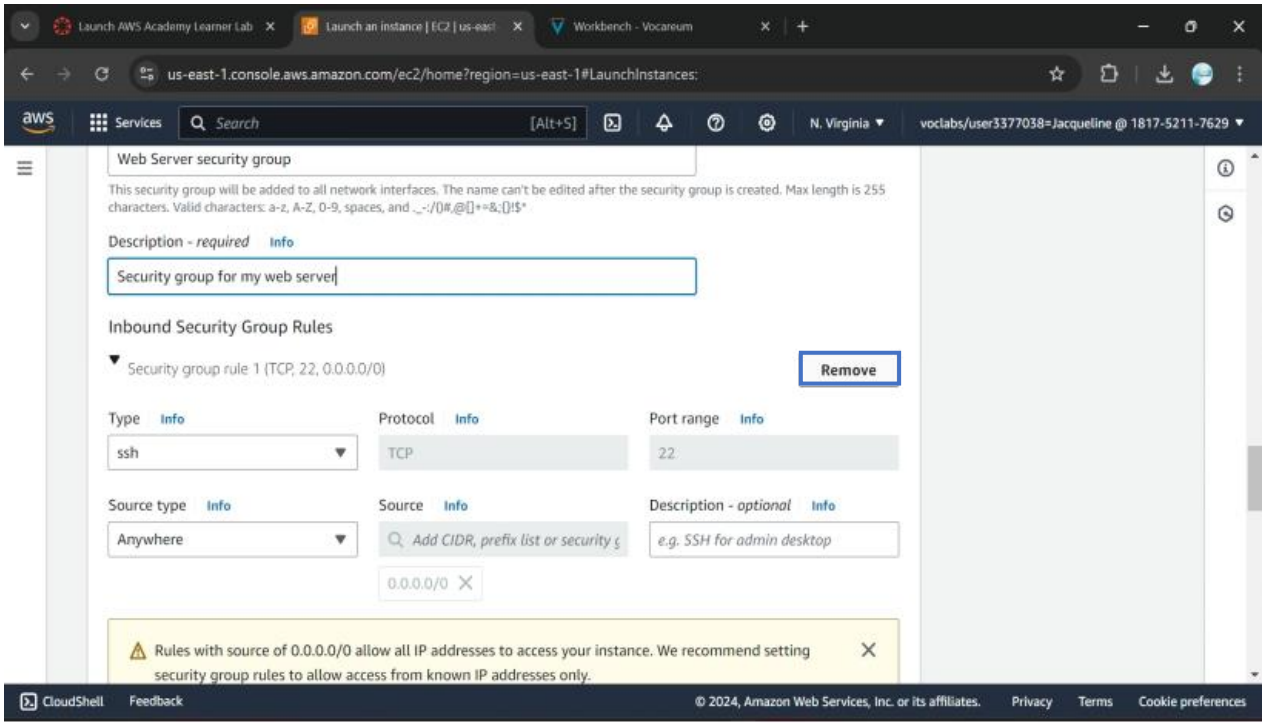
Step 7: In Network Setting choose edit.



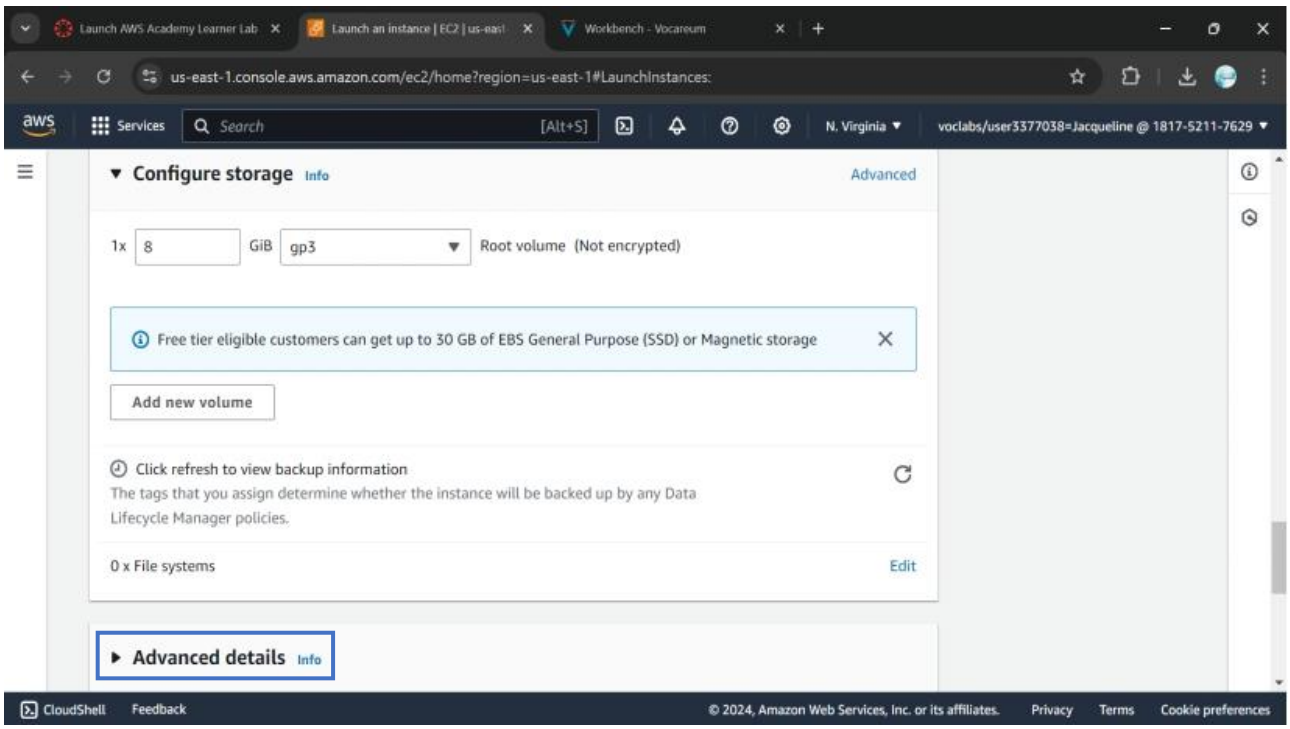
Step 8: In firewall security group change the security group name and description.

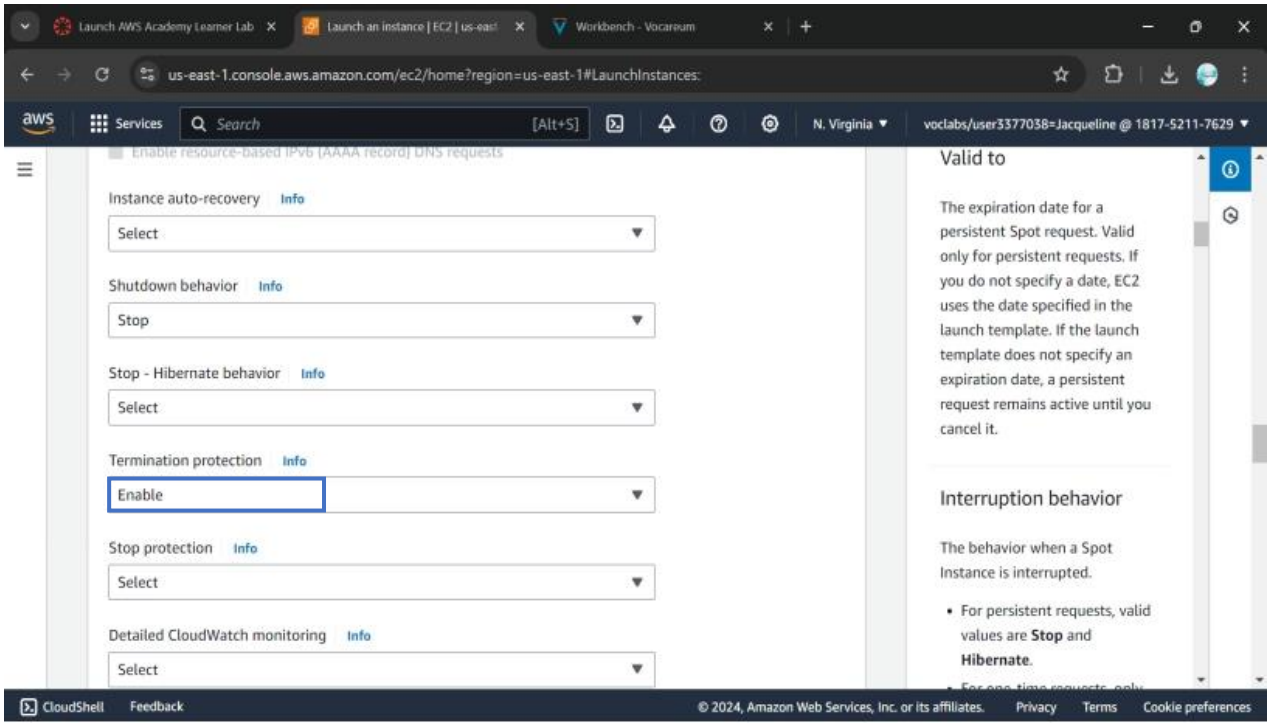


Step 9: In Inbound security group rules there is one rule **Remove** this rule.

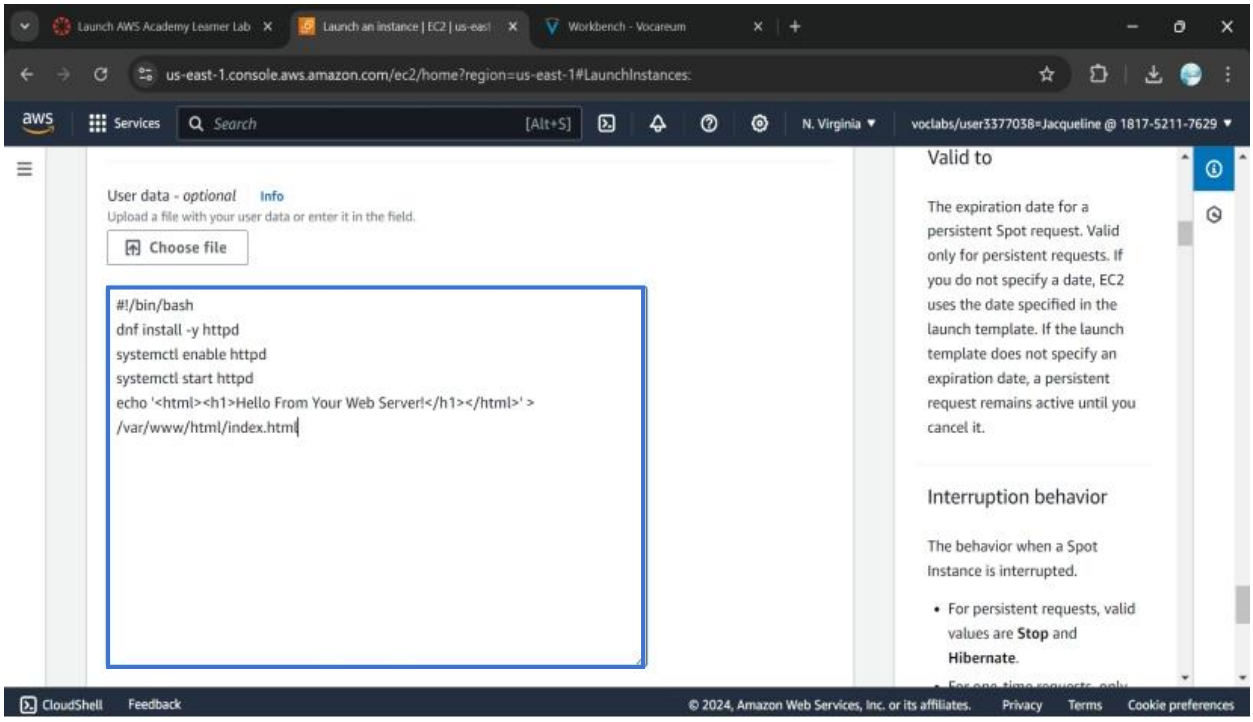


Step 10: In Advanced details enable the termination protection setting.



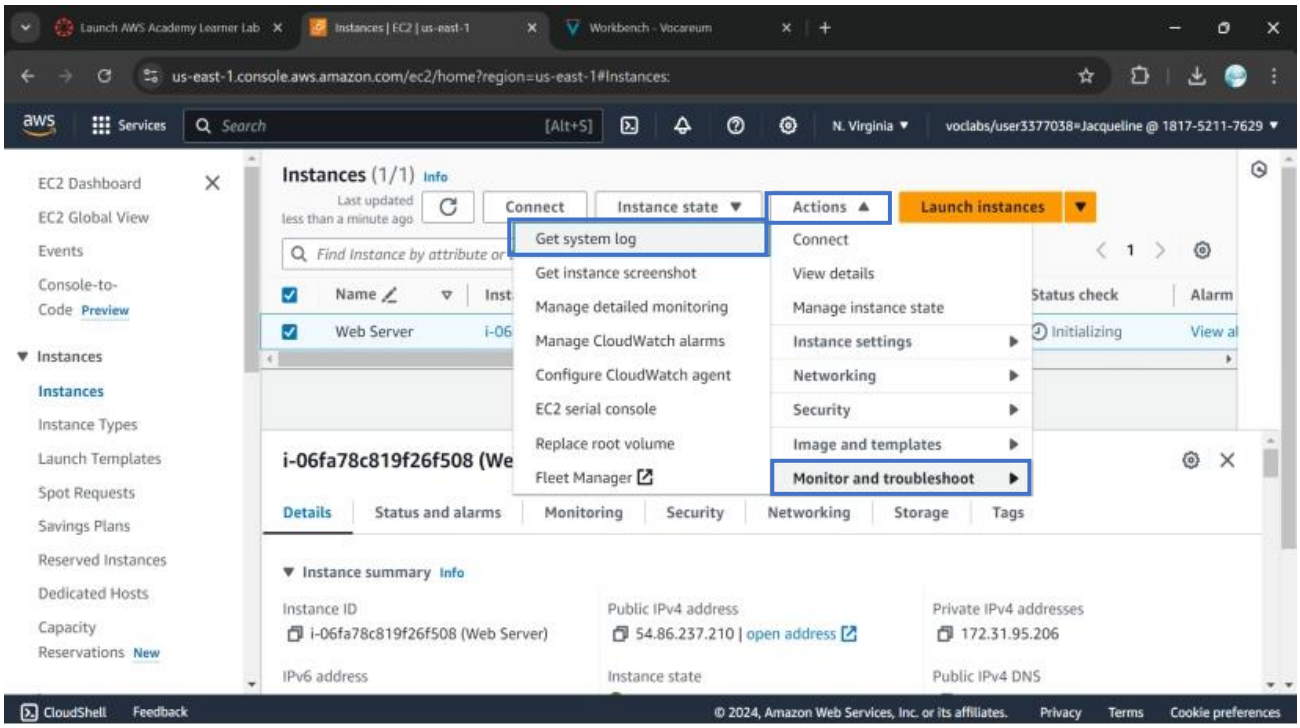


Step 11: In User data section copy the commands and then say launch instance.

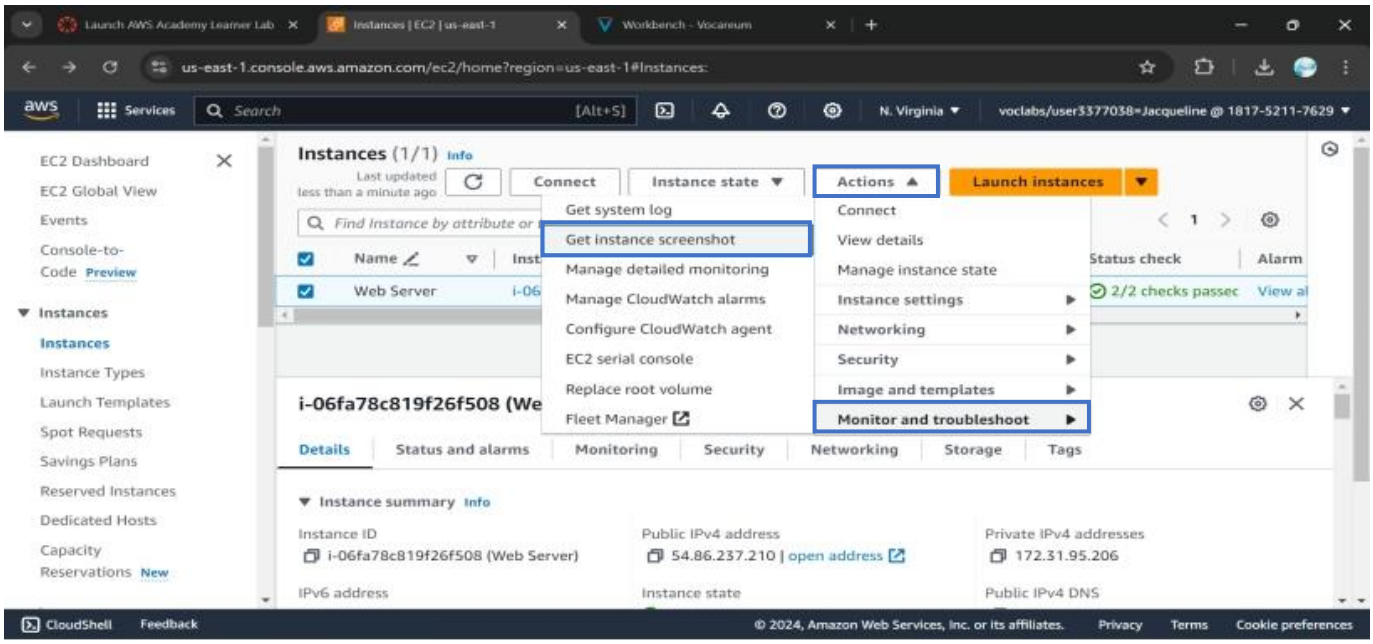


Task 2: Monitor Your Instance

Step 12: Click in action tab and select monitor and troubleshoot and then select Get system log.

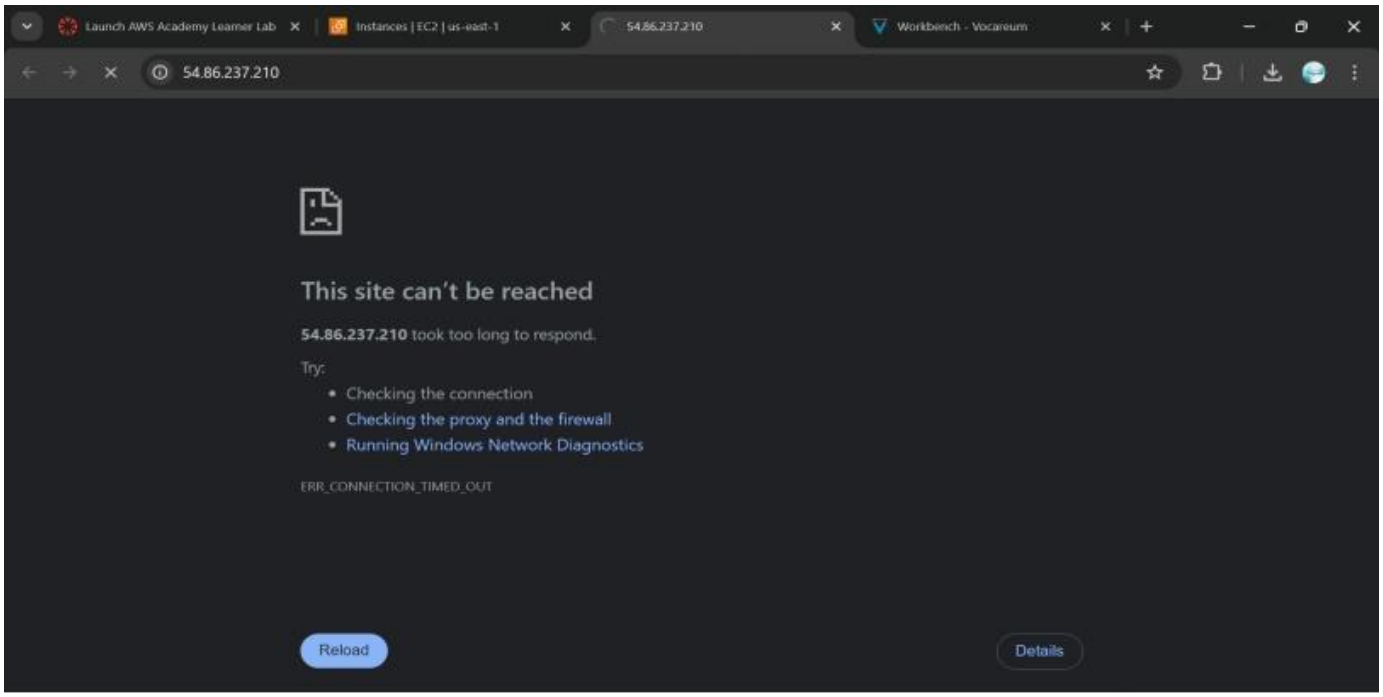


Step 13: After monitoring the system log say cancel and then again go to action tab and select monitor and troubleshoot and then say Get Instance screenshot.

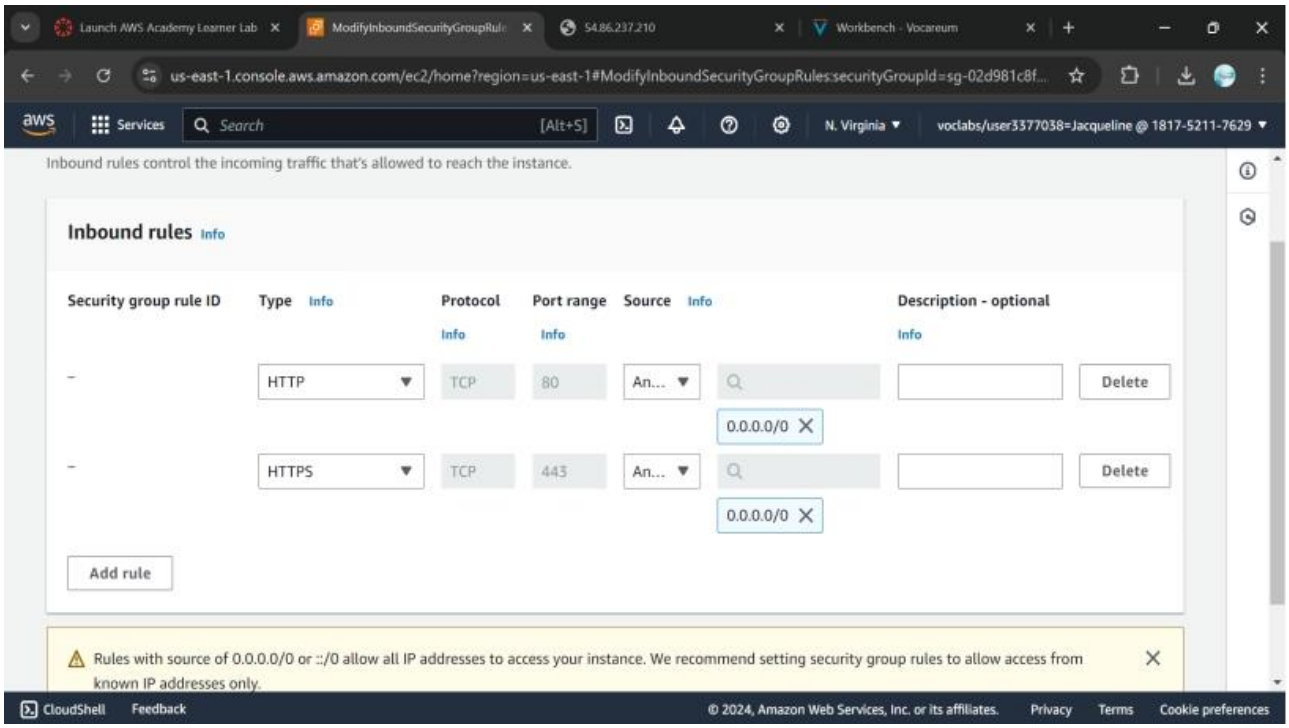


Task 3: Update Your Security Group and Access the Web Server

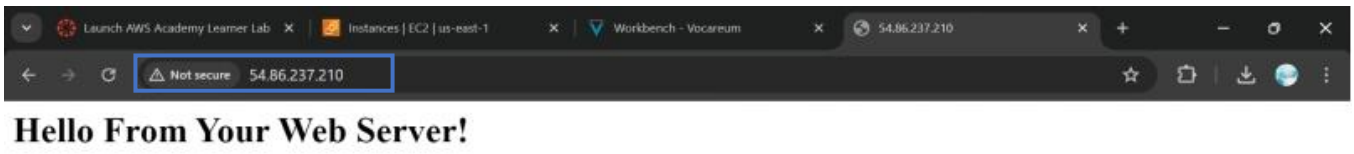
Step 15: Now select the web server and copy the IPv4 address in new browser and press enter it will show the error message.



Step 16: Now go to security group and add rule and then save the rules those are added.

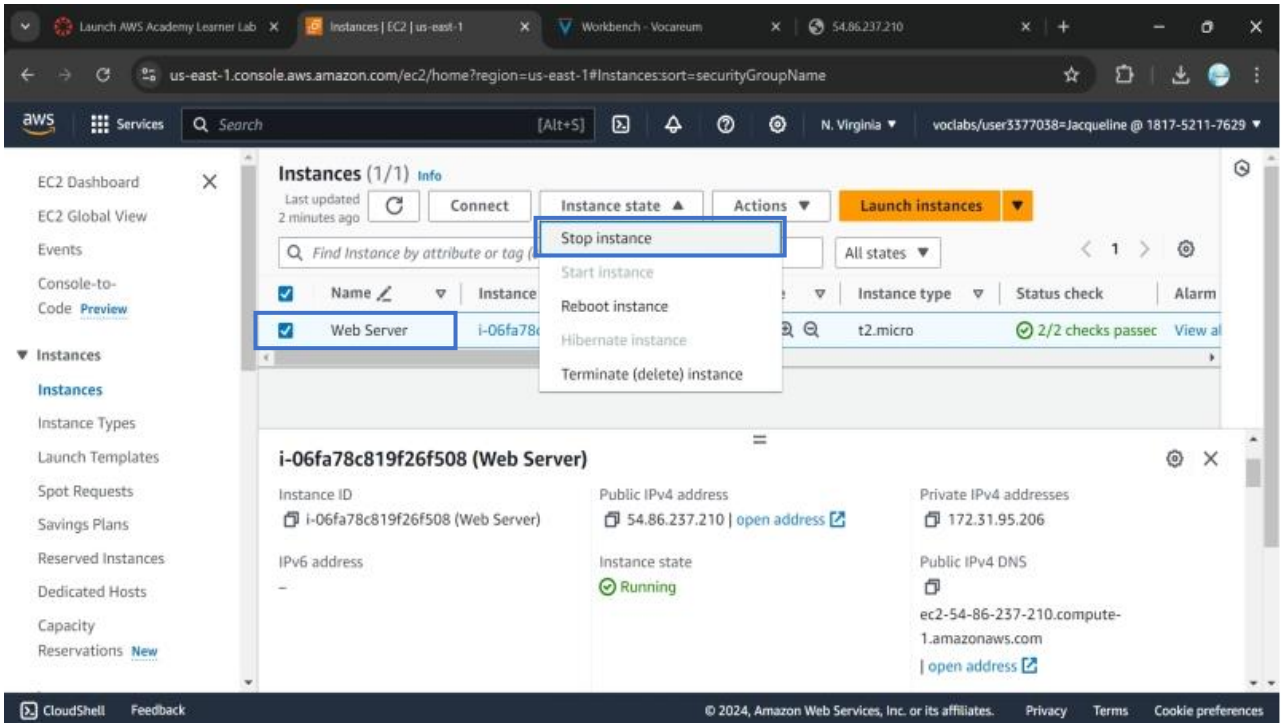


Step 17: Now go to the browser where the IPv4 address was copied and refresh it, it will show the following message.

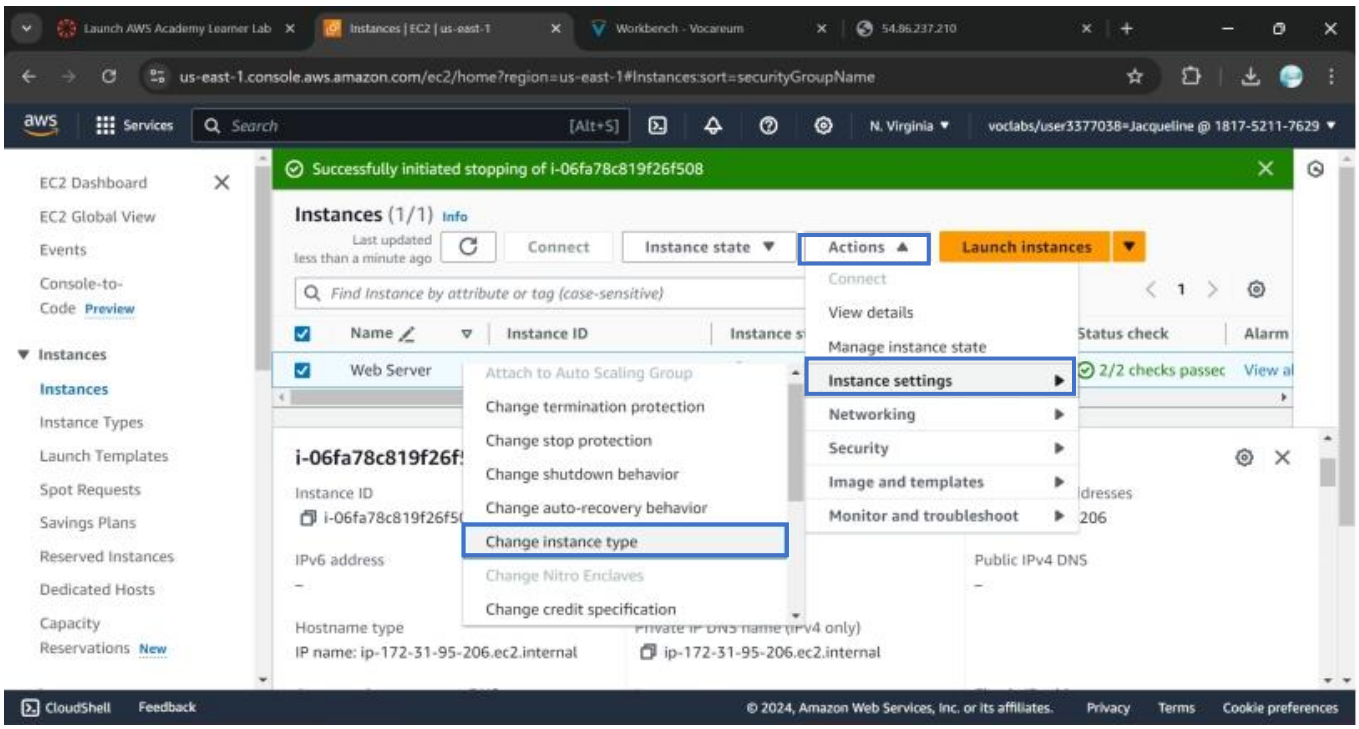


Task 4: Resize Your Instance: Instance Type and EBS Volume

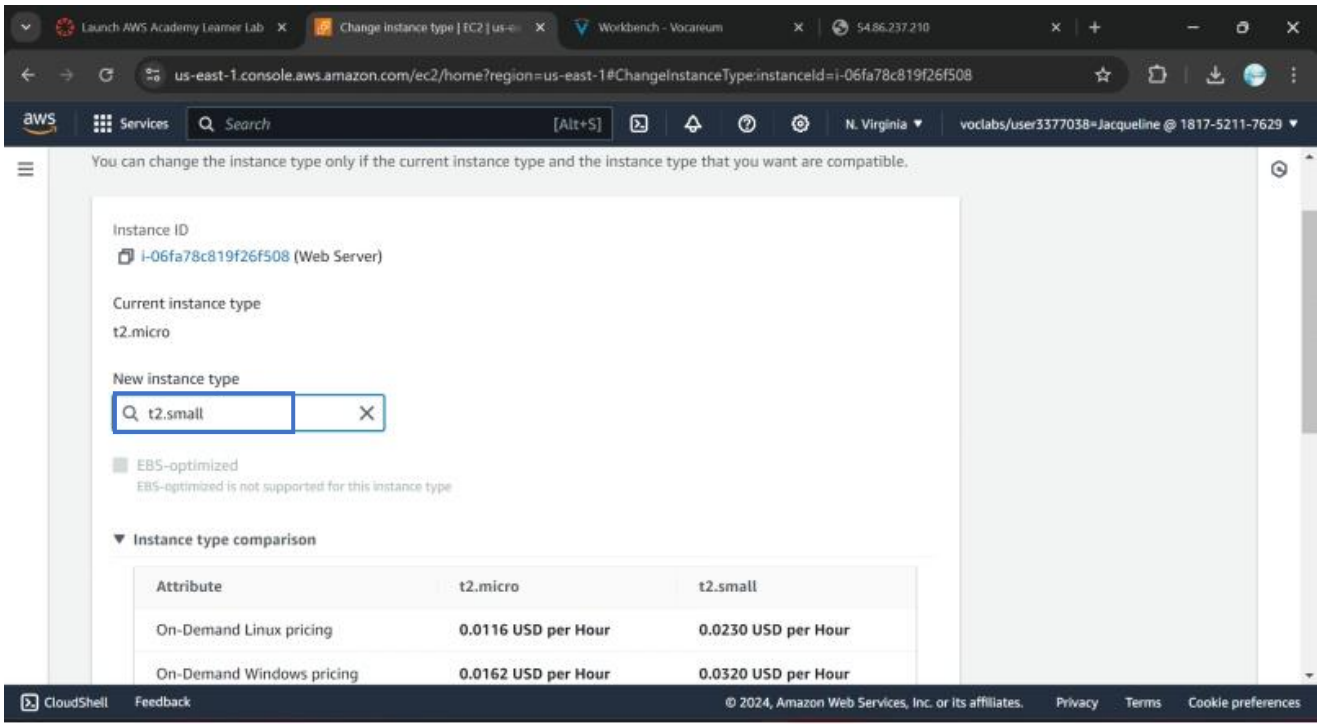
Step 18: Now stop the selected instance.



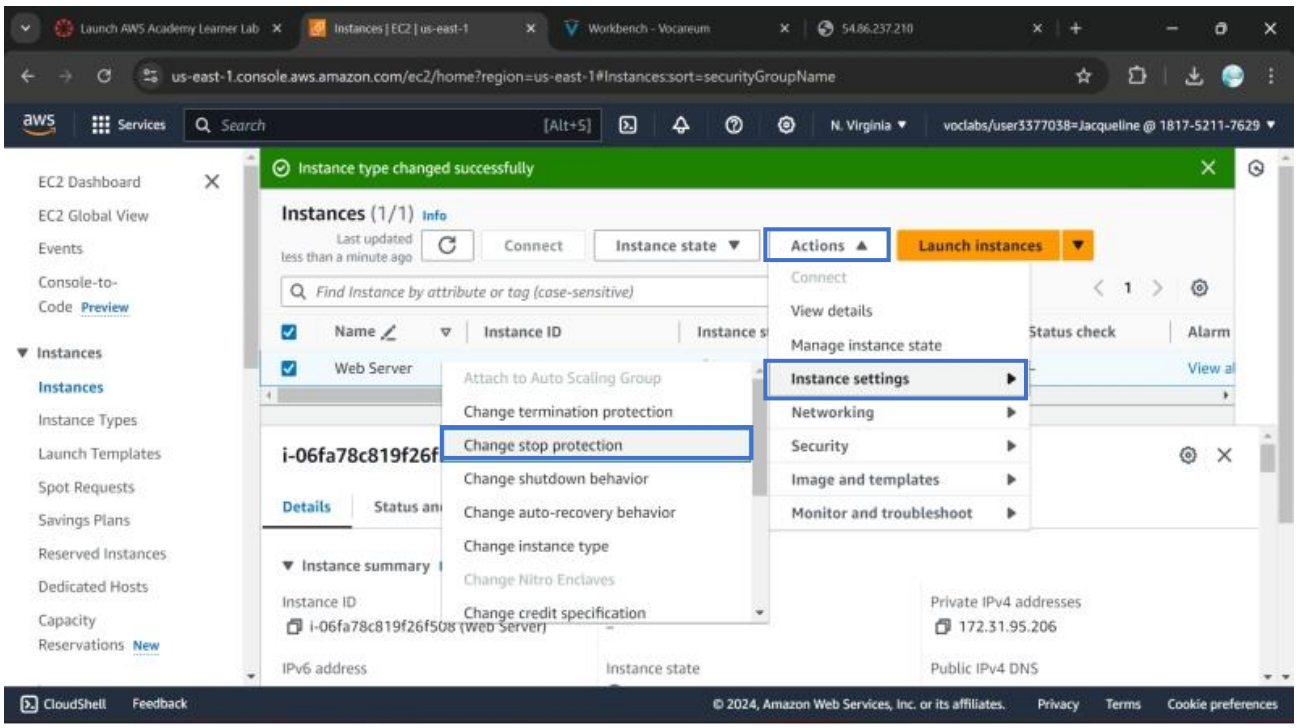
Step 19: Now go to Actions menu and select ‘instance settings’ and in that select ‘change instance type’



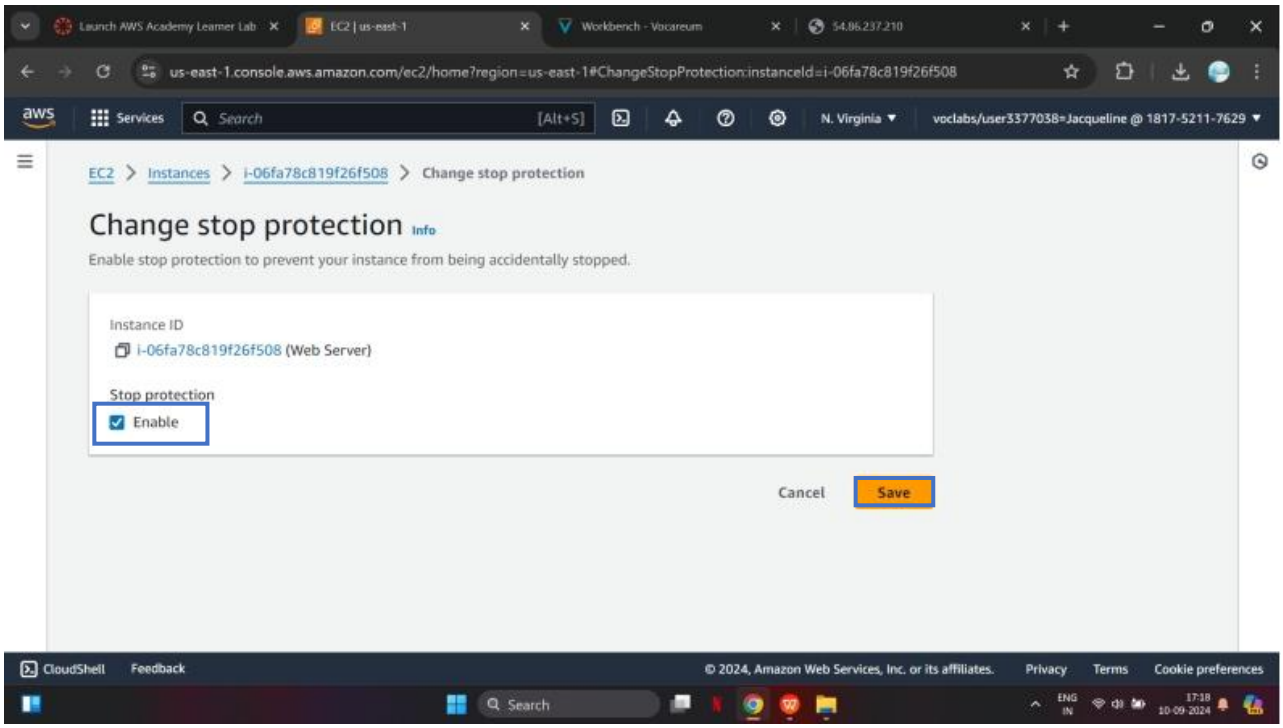
Step 20: Now select the instance type as t2.small and say apply.



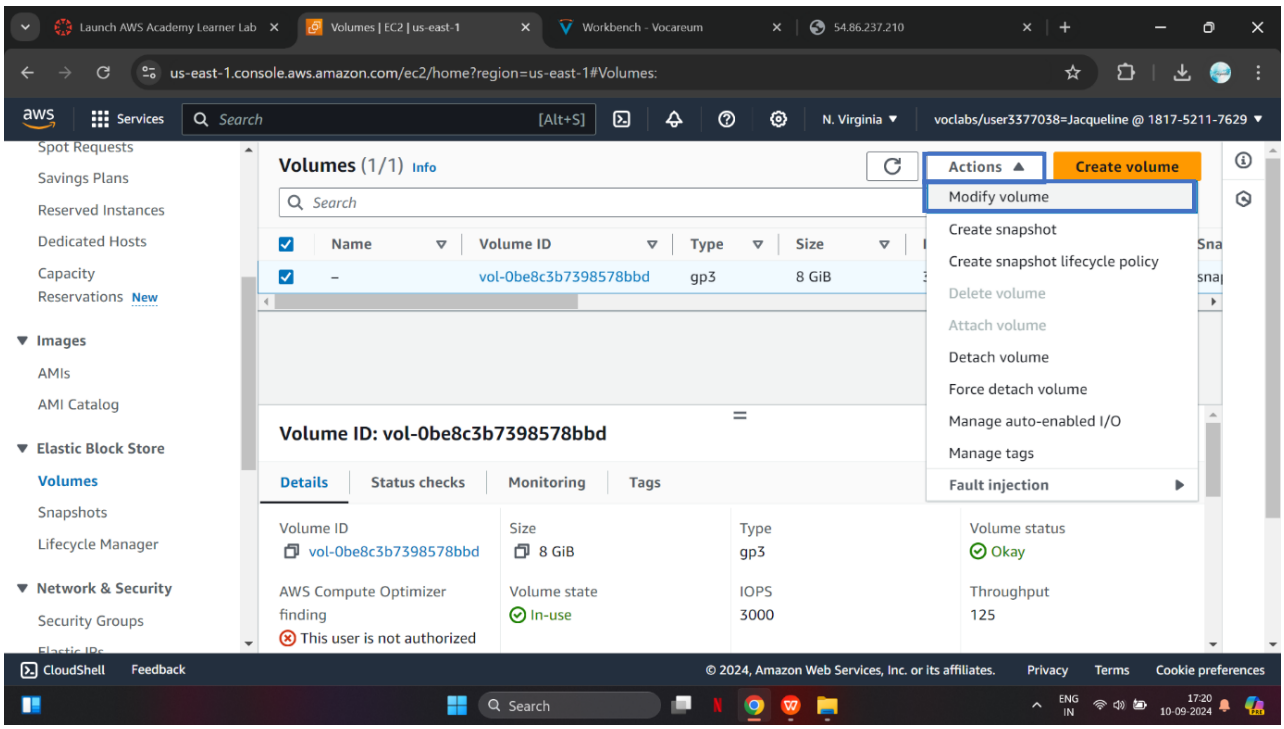
Step 21: Now go again in Actions tab and select instance settings and then select Change stop protection.



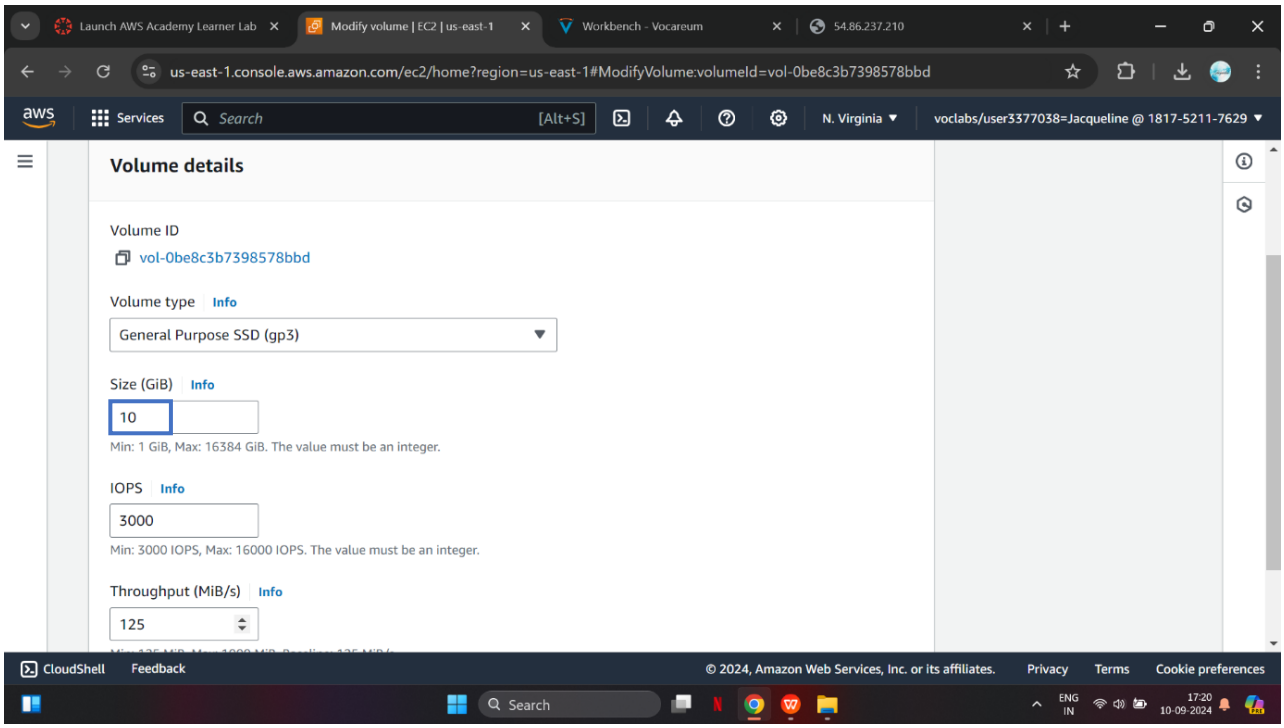
Step 22: Say enable and then save it.



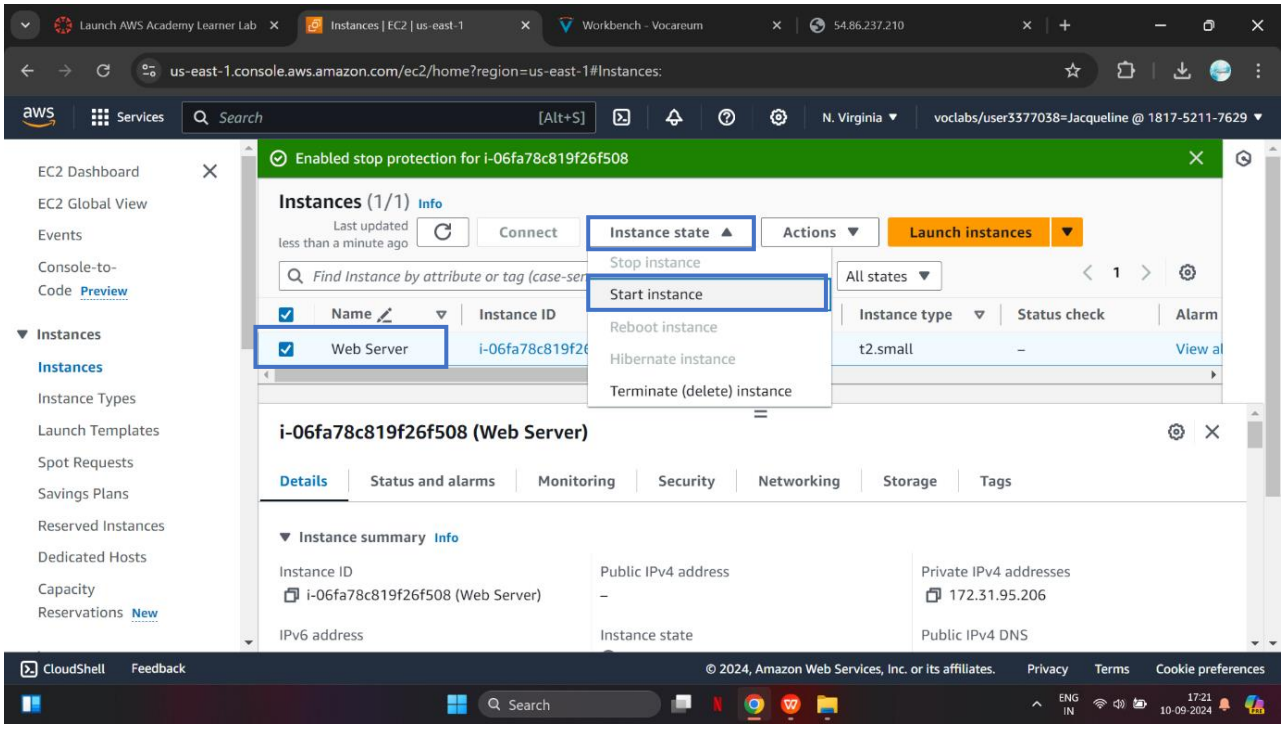
Step 23: Now go to storage menu and then select the volume ID and then go to actions tab and select modify volume.

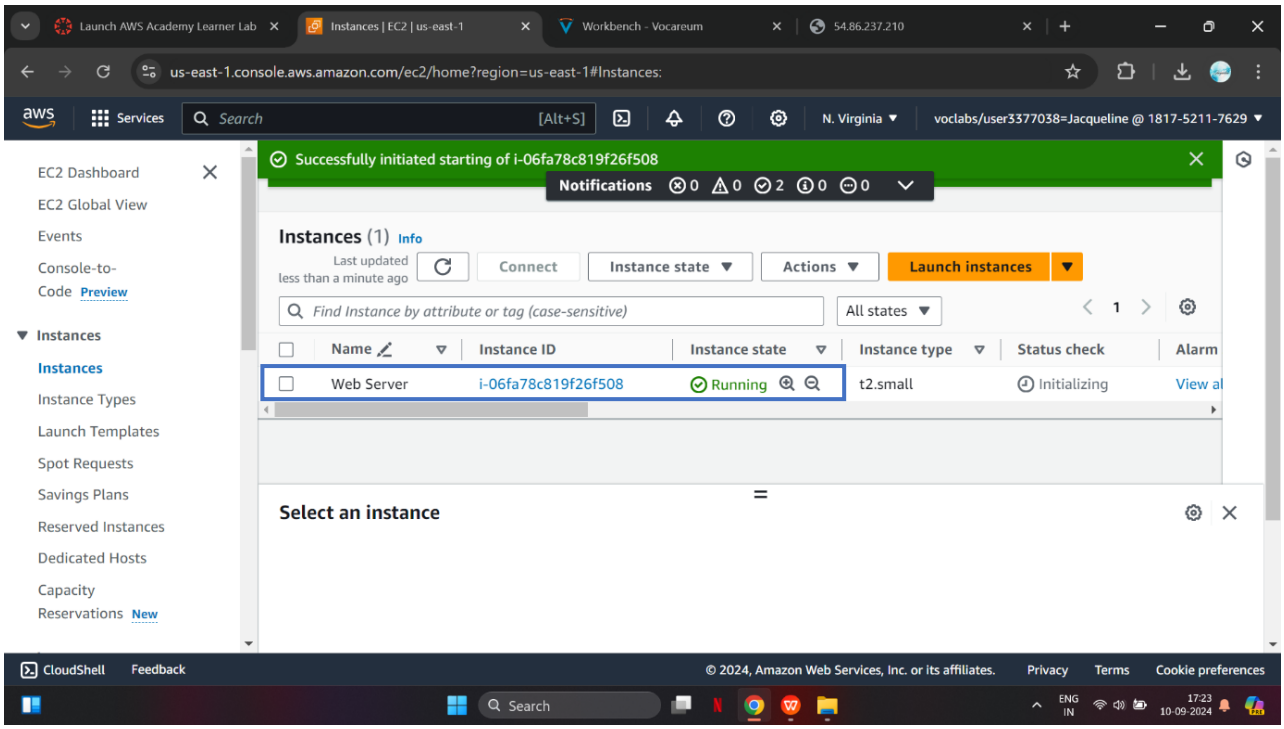


Step 24: Now change the size from 8 to 10 and say modify.

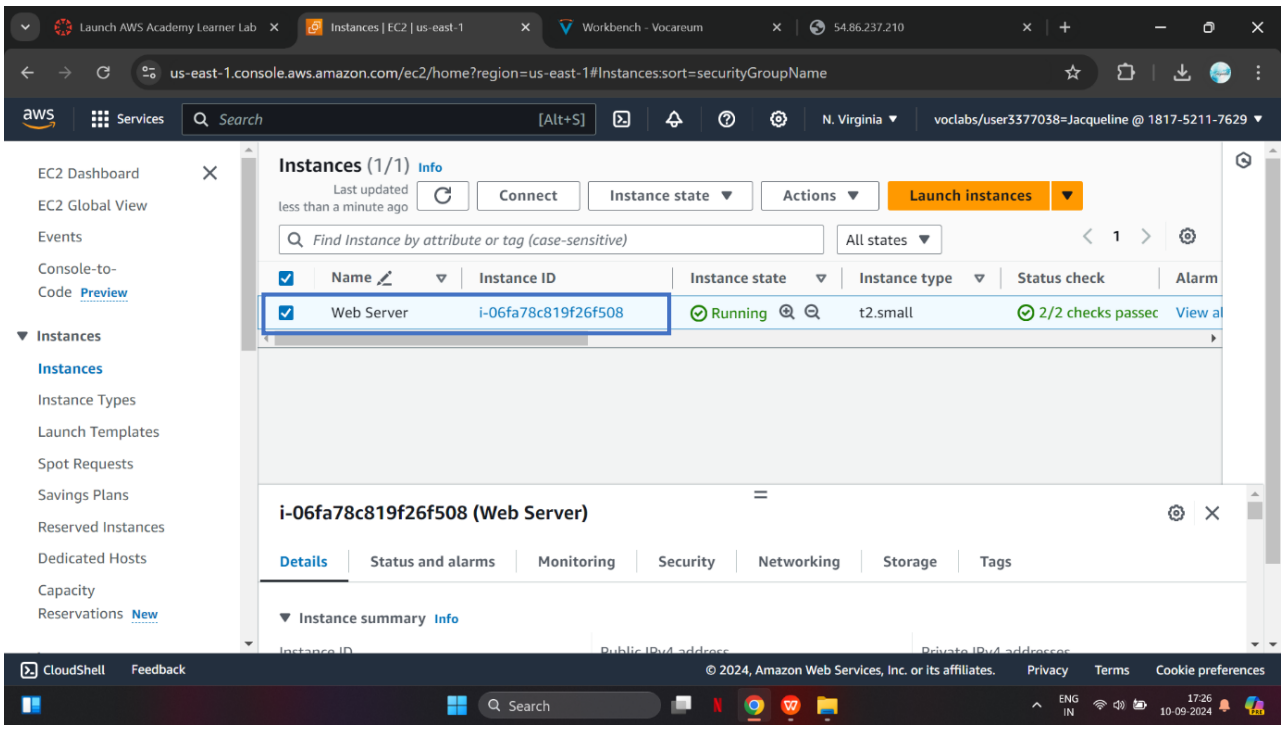


Step 25: Now start the resized instance again.



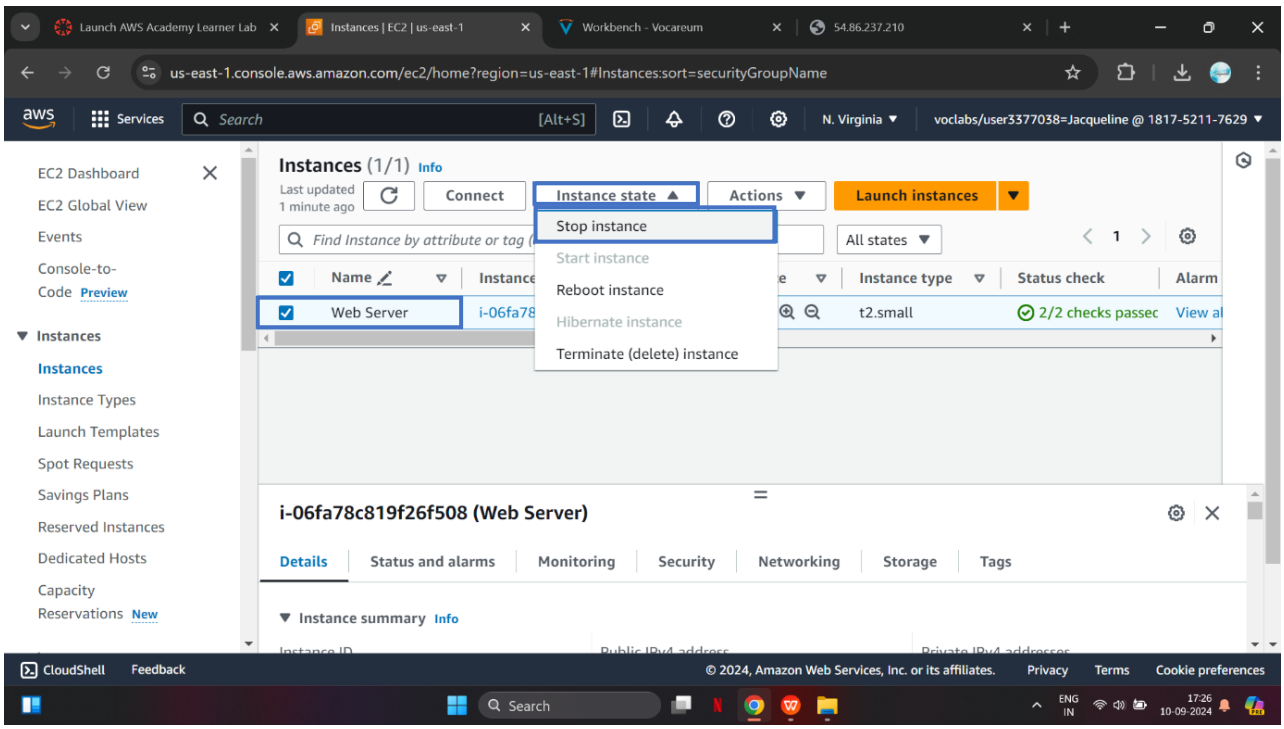


Step 26: Now go to search bar and search for EC2 console and go to instances and select the web server.

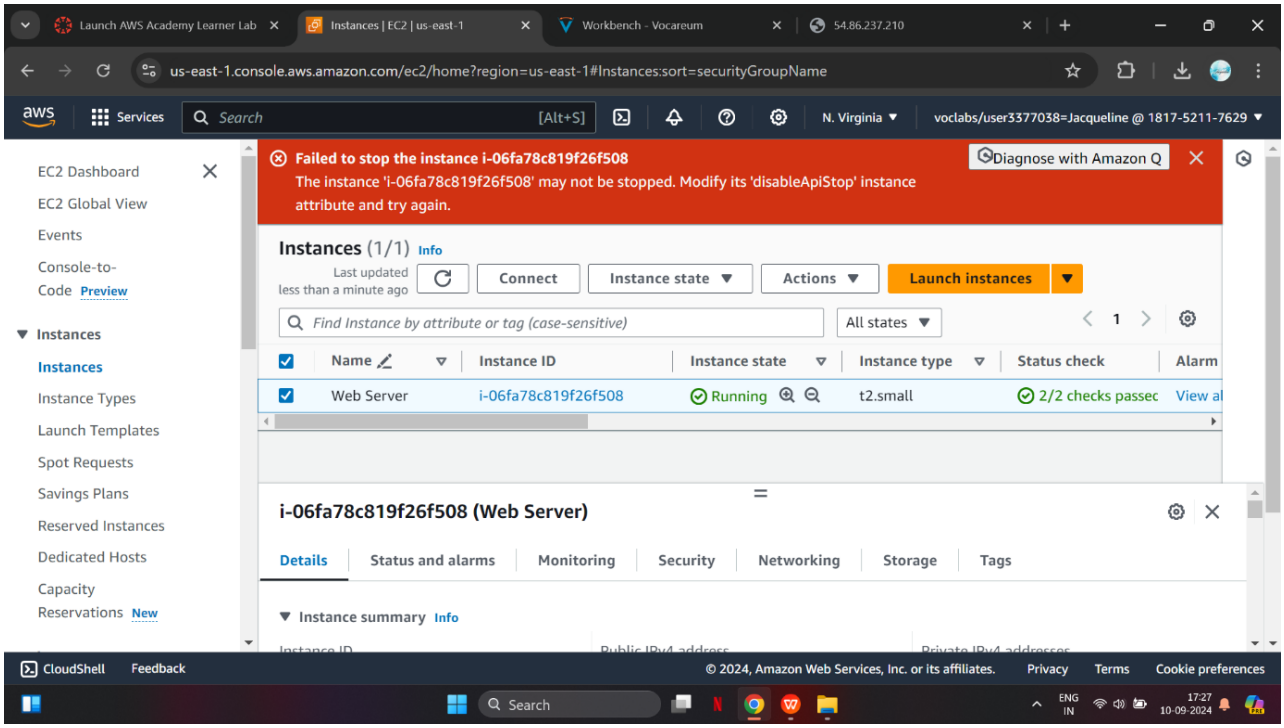


Task 5: Test Termination Protection

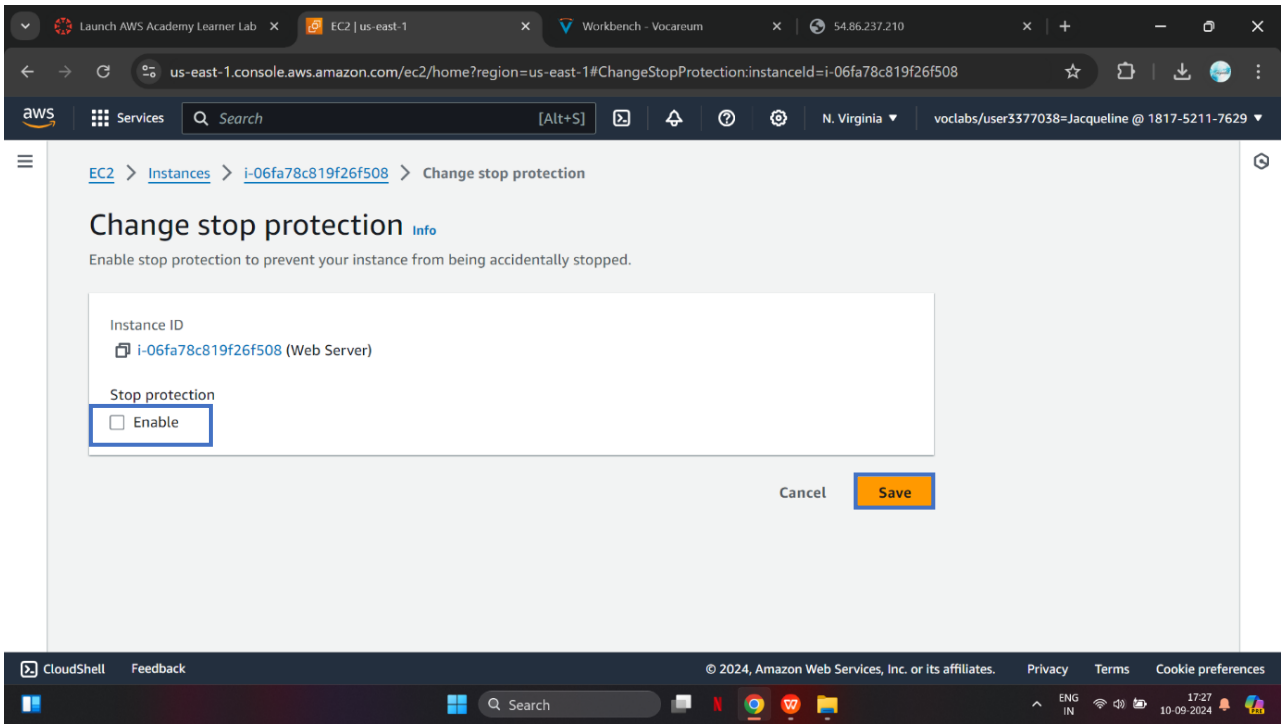
Step 27: Now go to instance state and select stop instance.



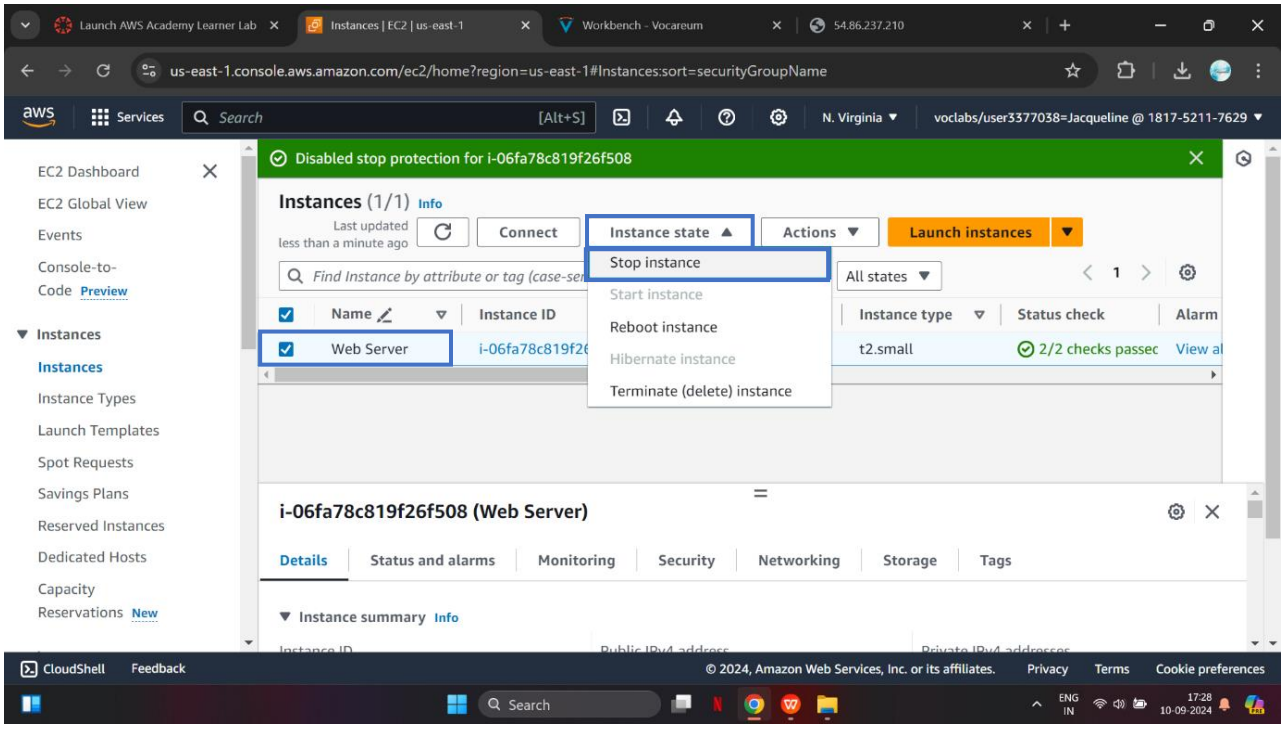
Step 28: It will show this message as we have enabled the stop protection.

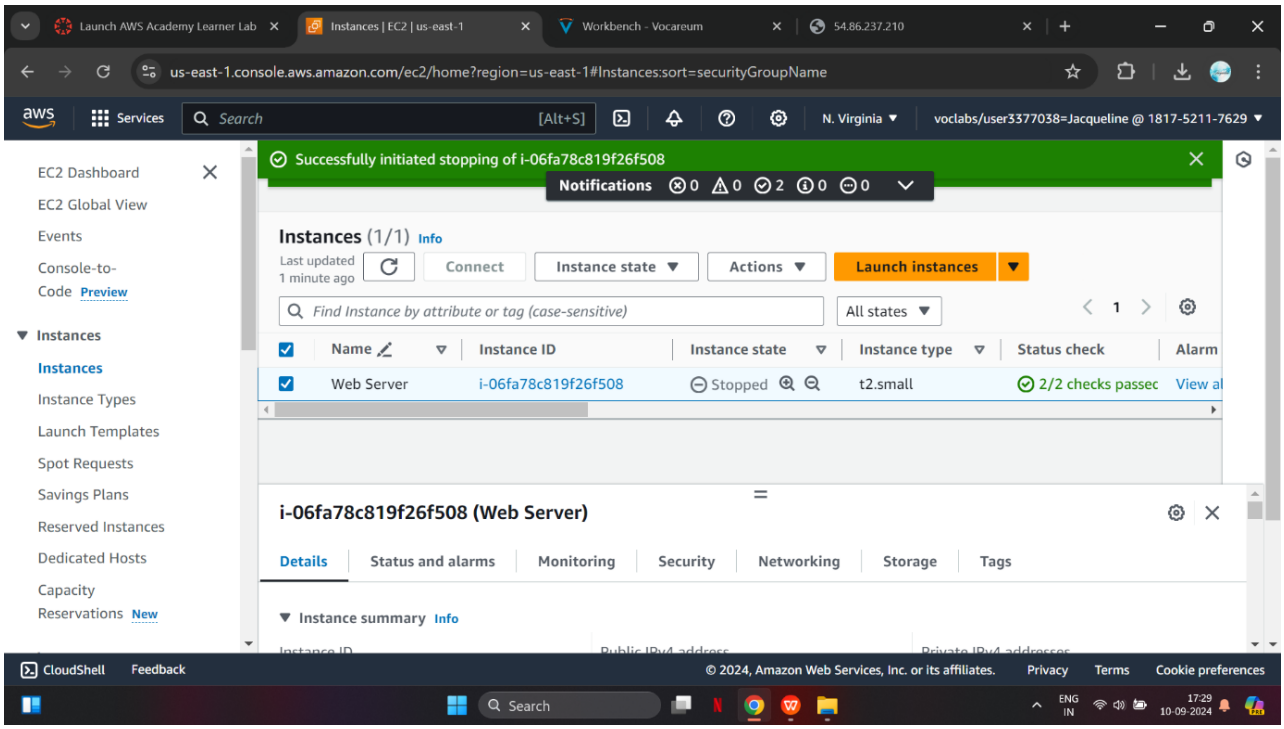


Step 29: Now go again in action menu and select change stop protection and remove the enabled checkbox which is selected and then say save.



Step 30: Now go back again to instance menu and stop the web server instance.





Step 31: At the end sign out from this console and end the learner lab.