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

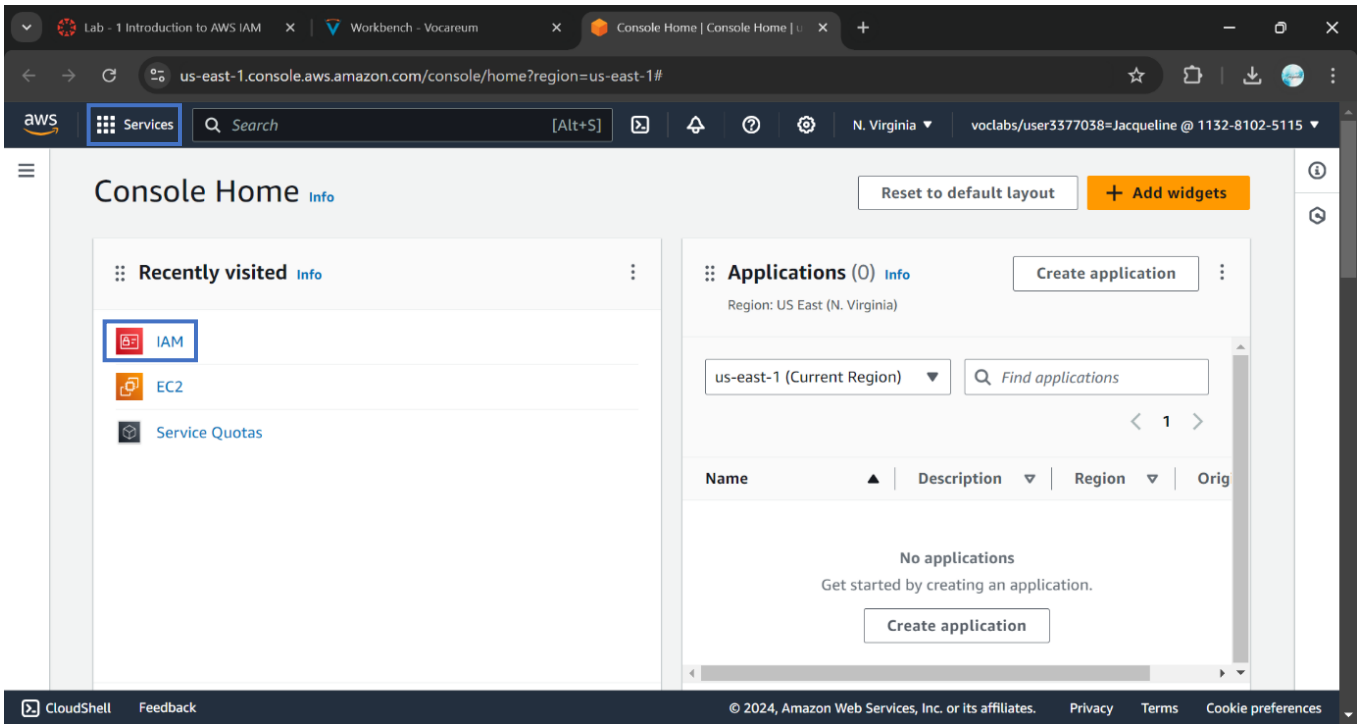
Cloud Computing Practical Assignment No 6

Working and Implementation of Identity and Access Management (Using AWS)

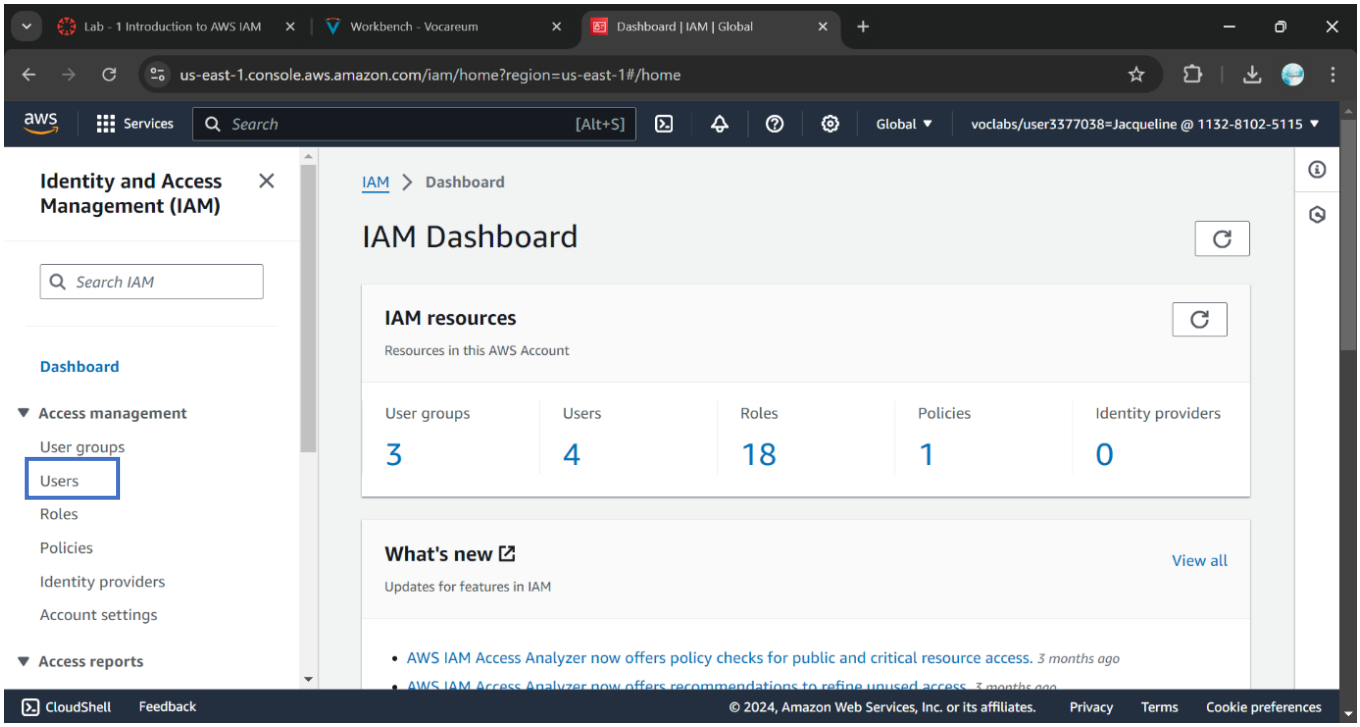
Prepare Screen shots file and write down the steps.

Make single word or PDF file.

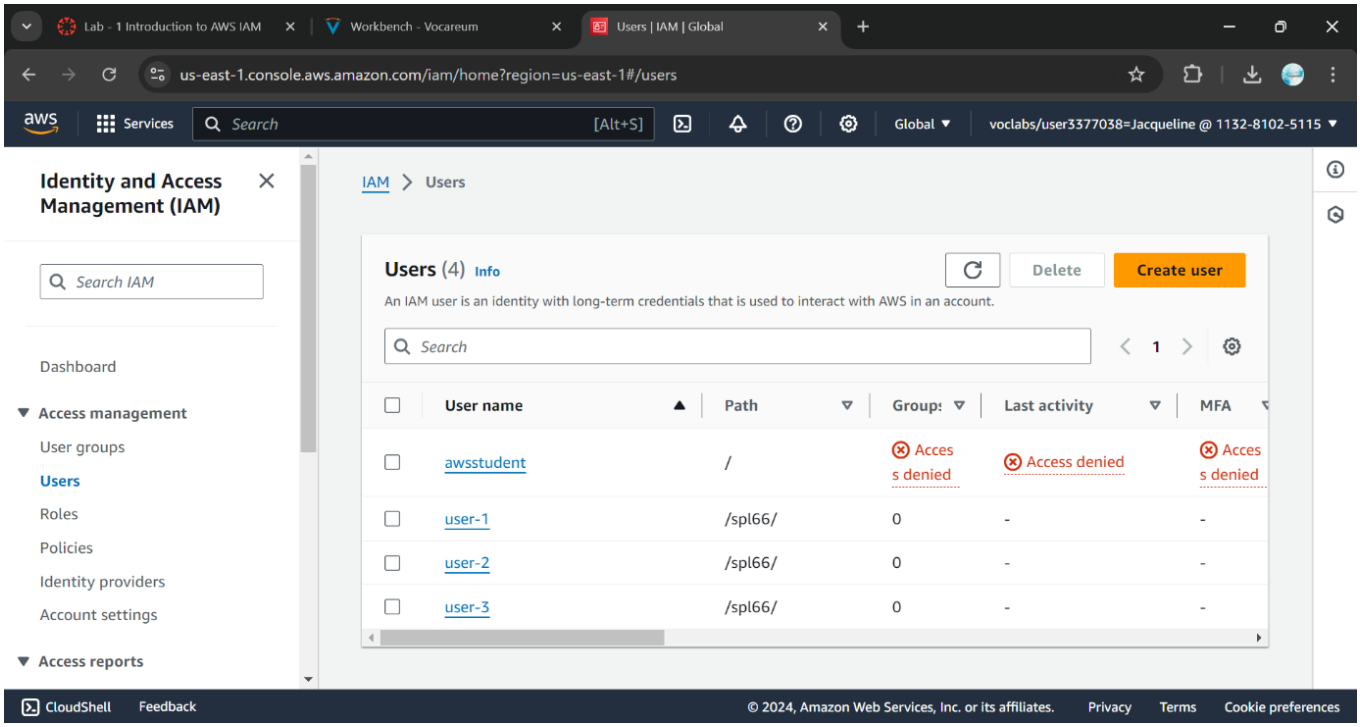
Step 1: Search for IAM in search bar next to services tab.



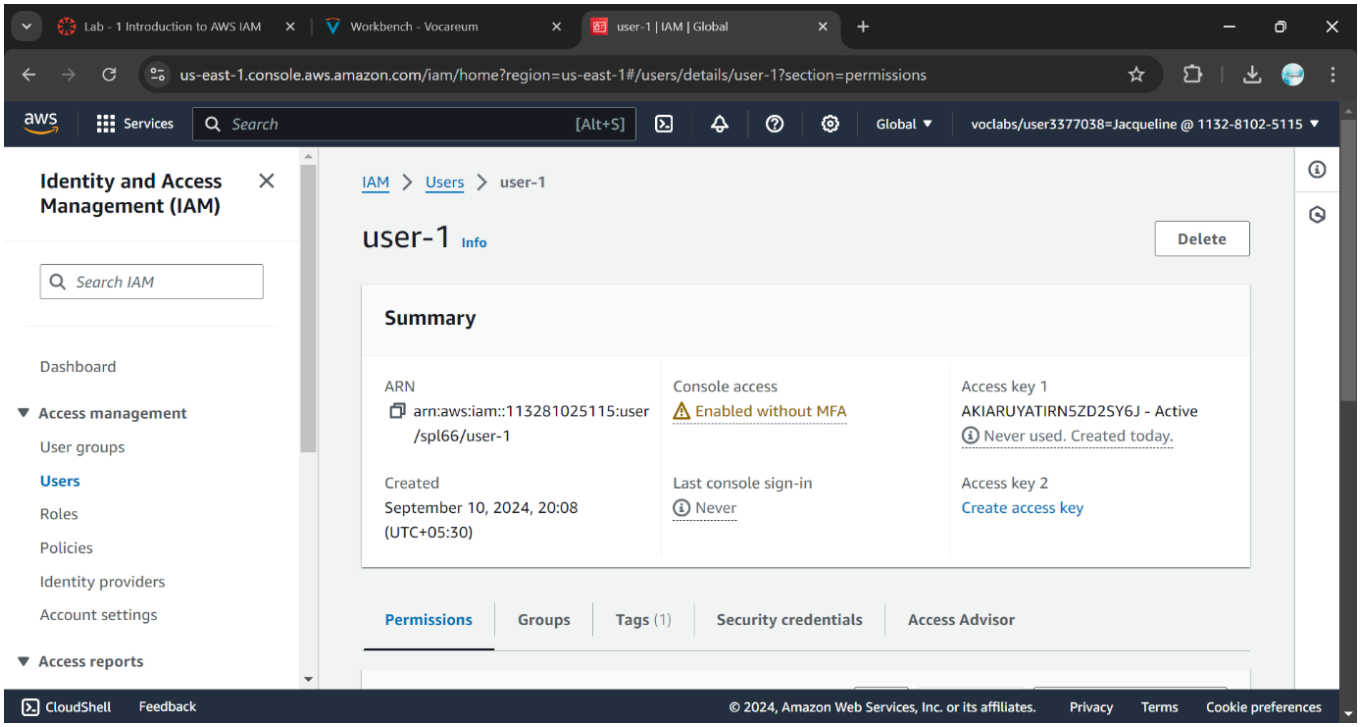
Step 2: In the navigation pane on the left, choose **Users**

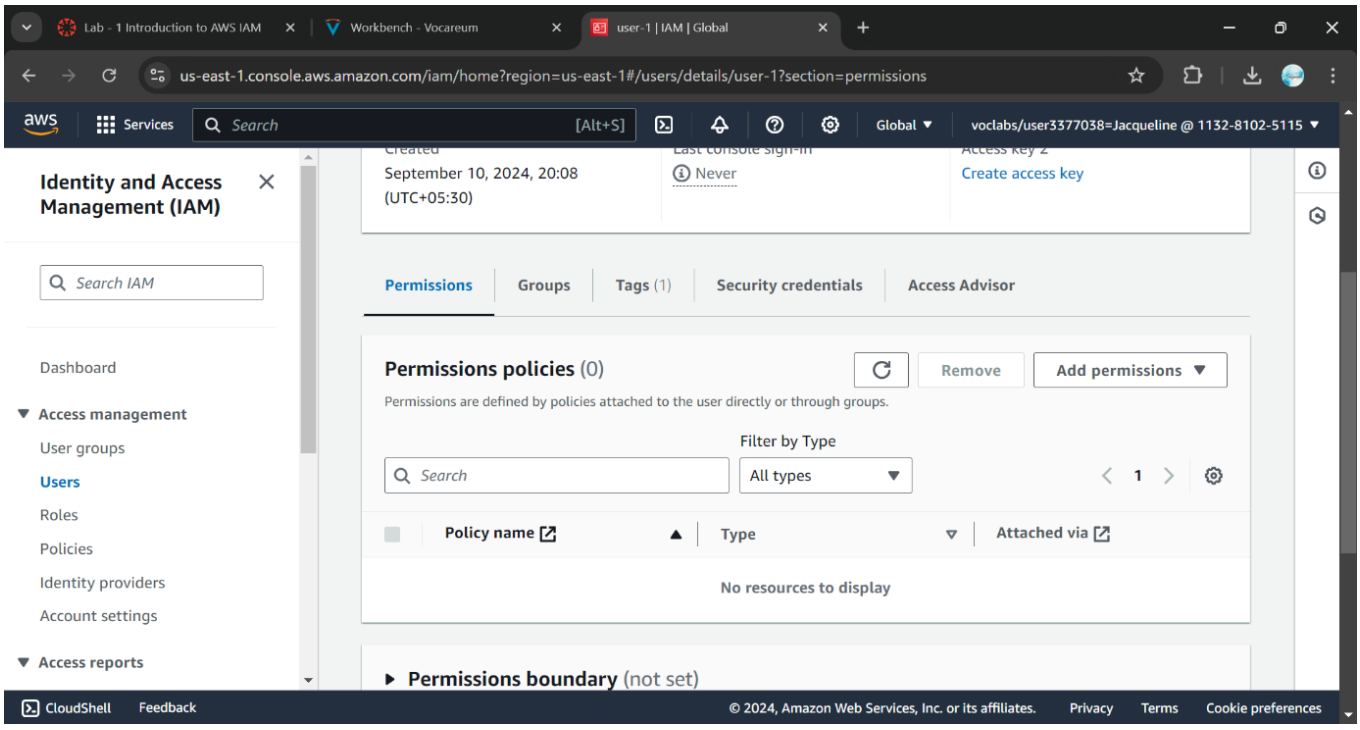


Step 3: These are the users which are already been created.

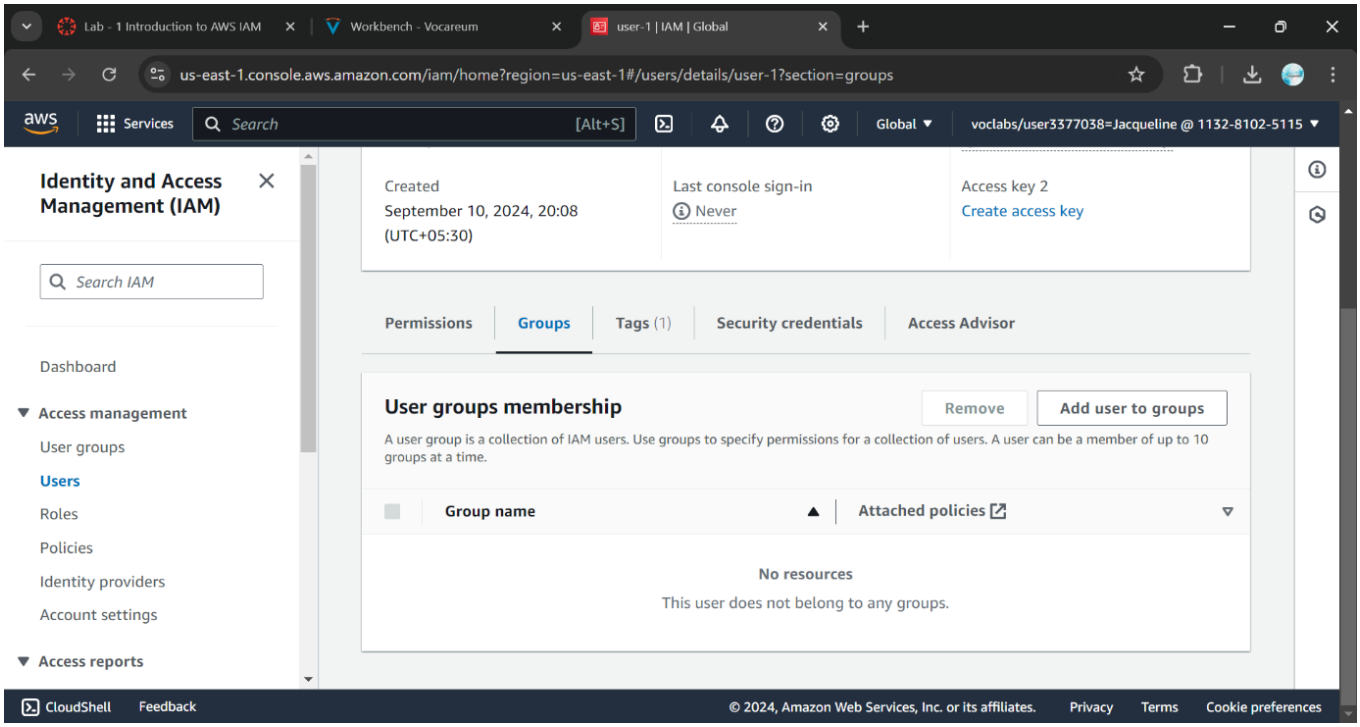


Step 4: Click on user-1 link and it will open the summary page in which there are no permissions given to user-1

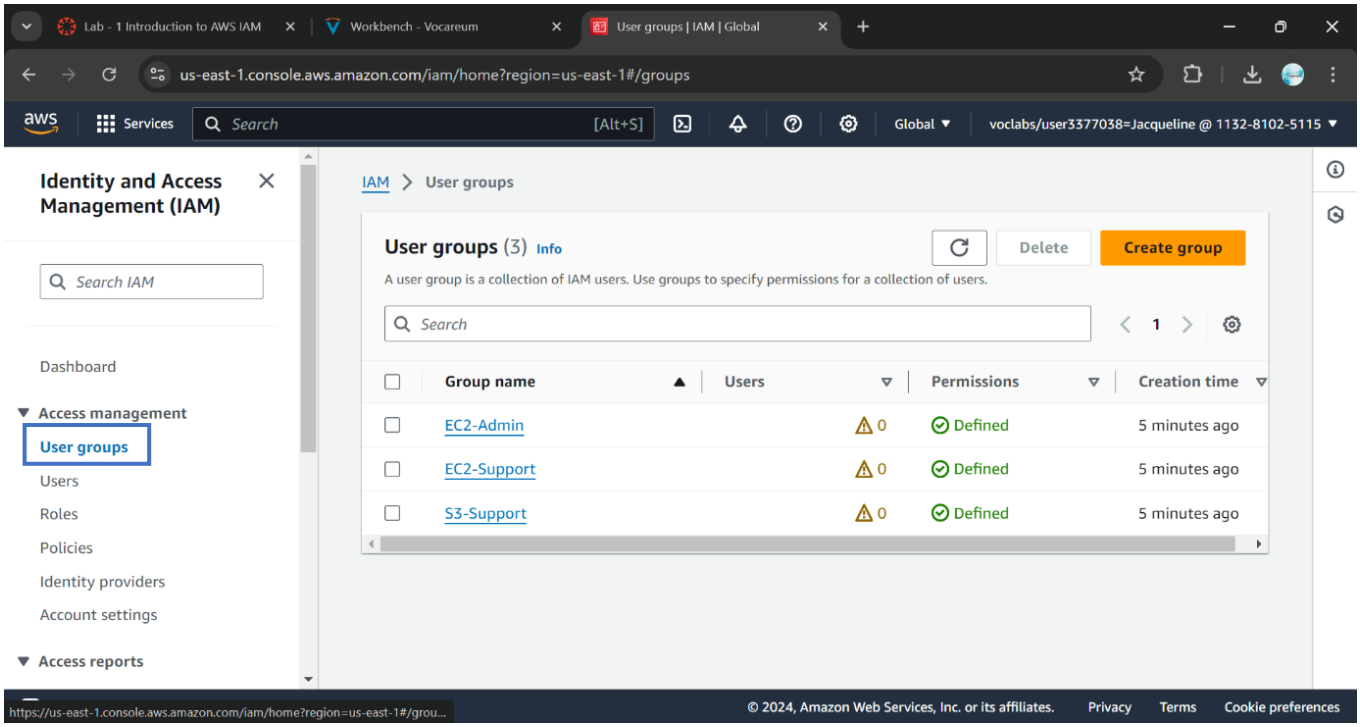




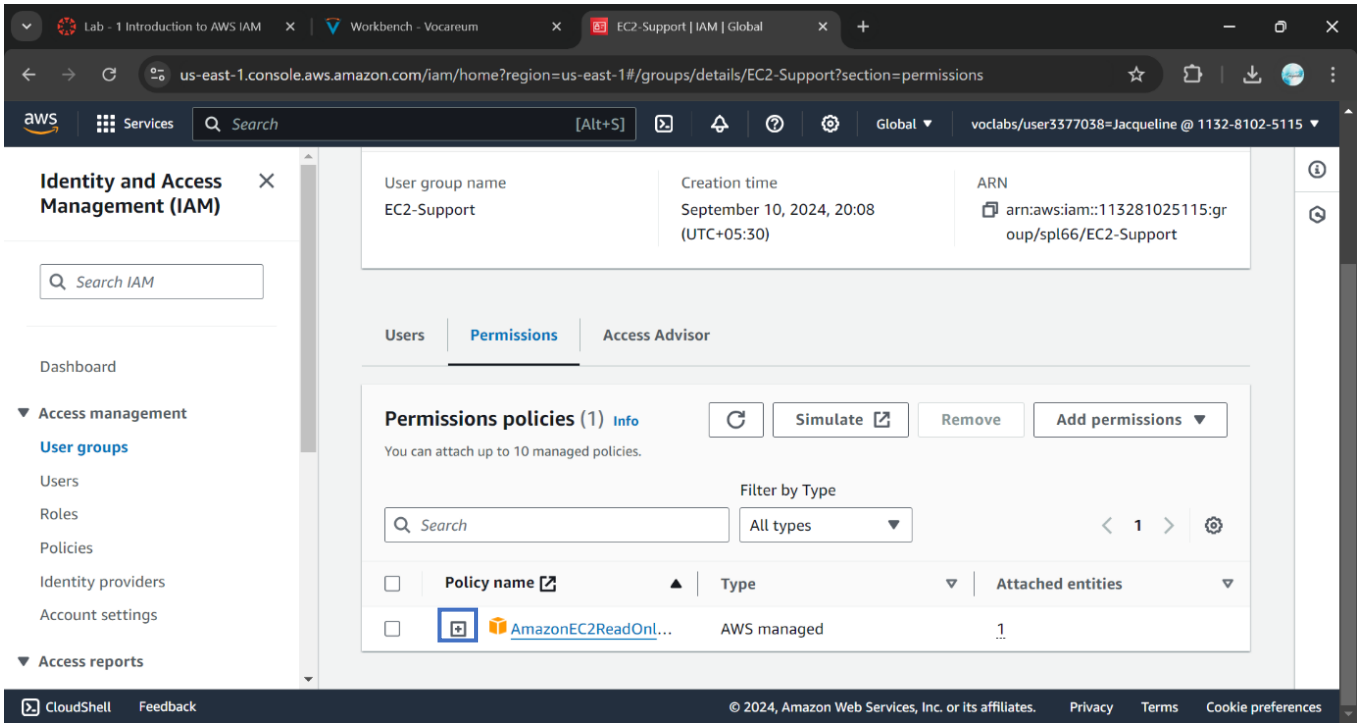
Step 5: Now go to groups, there are no groups created for user-1.



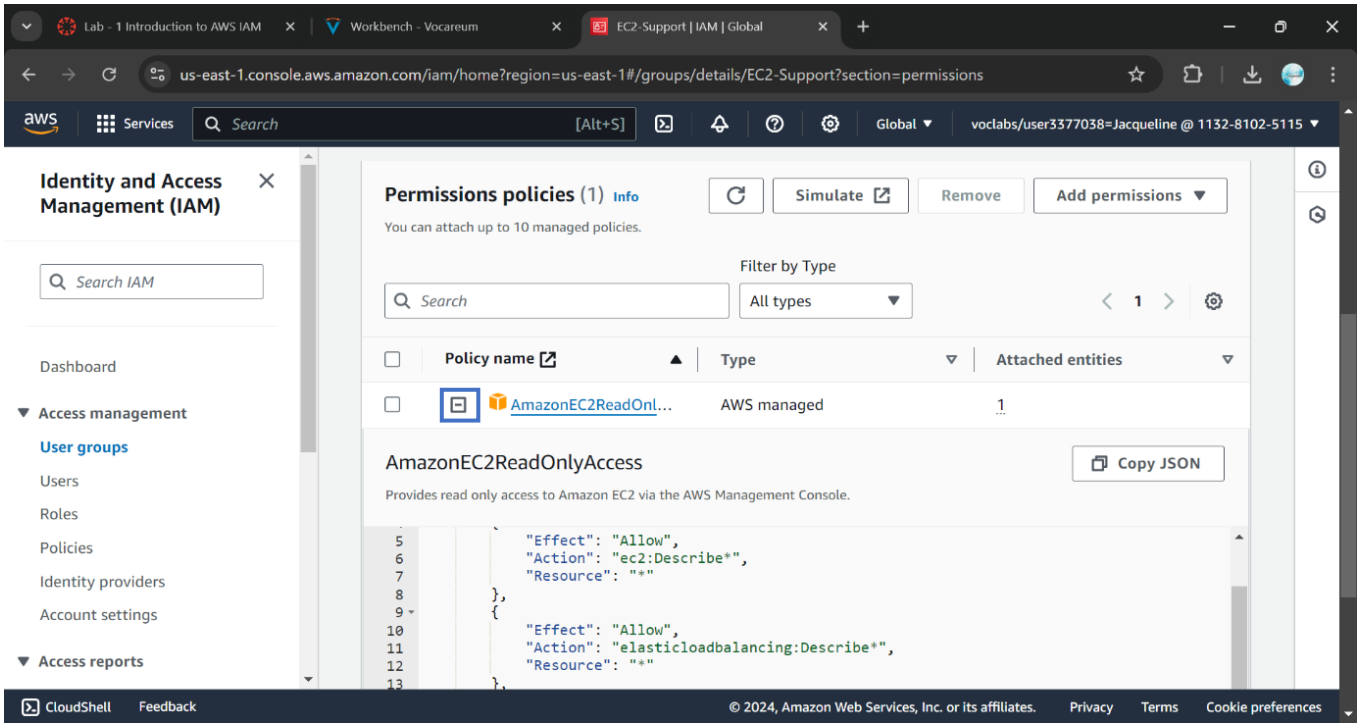
Step 6: Now go to the navigation pane on the left, choose **User groups**.



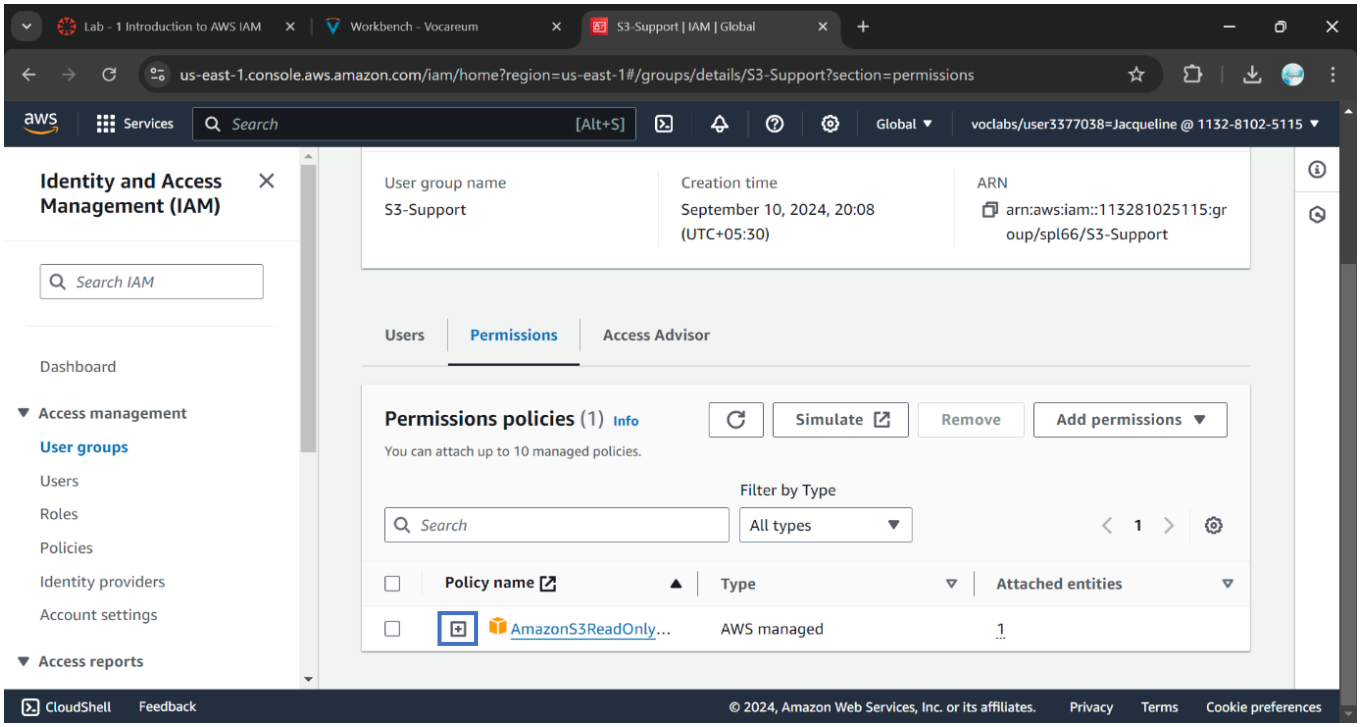
Step 7: Now click on EC2 Support link and go in permissions tab it will show the summary page and then click on '+' sign in policy name tab and view the contents in it.



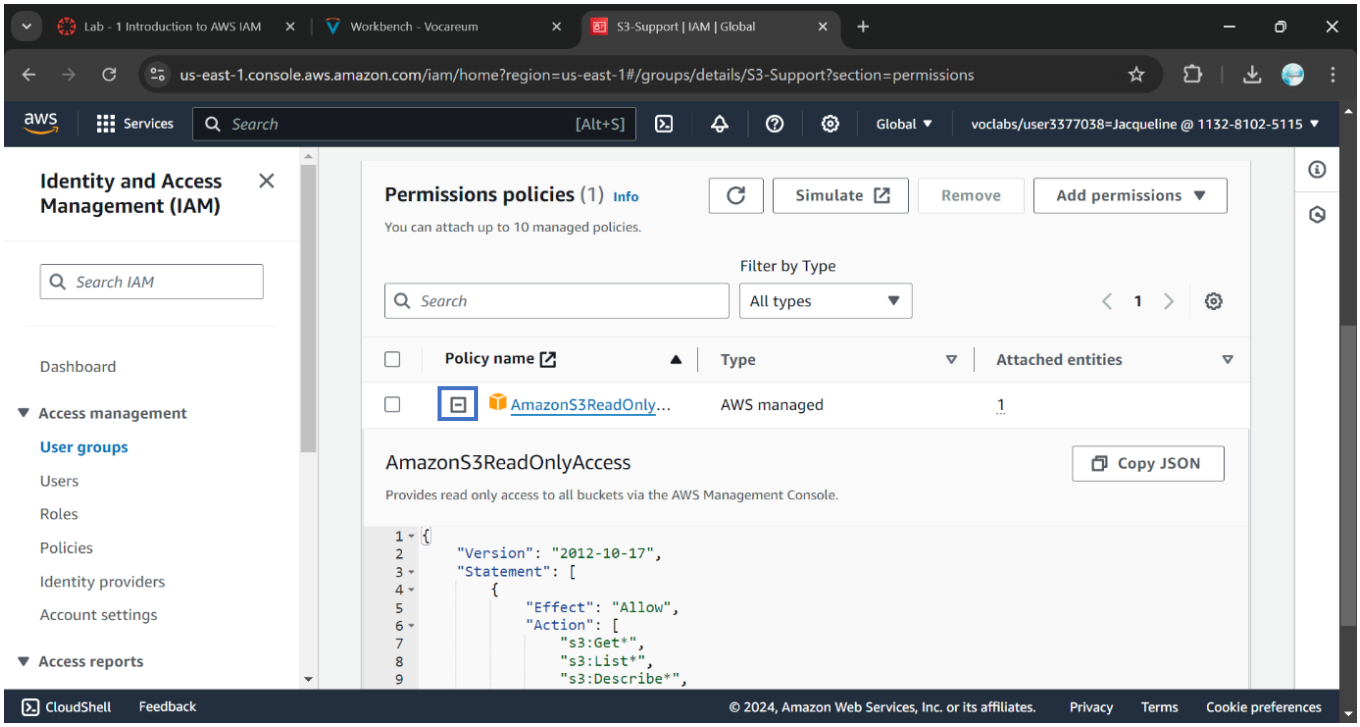
Step 8: Now click on '-' to close the contents which are visible.



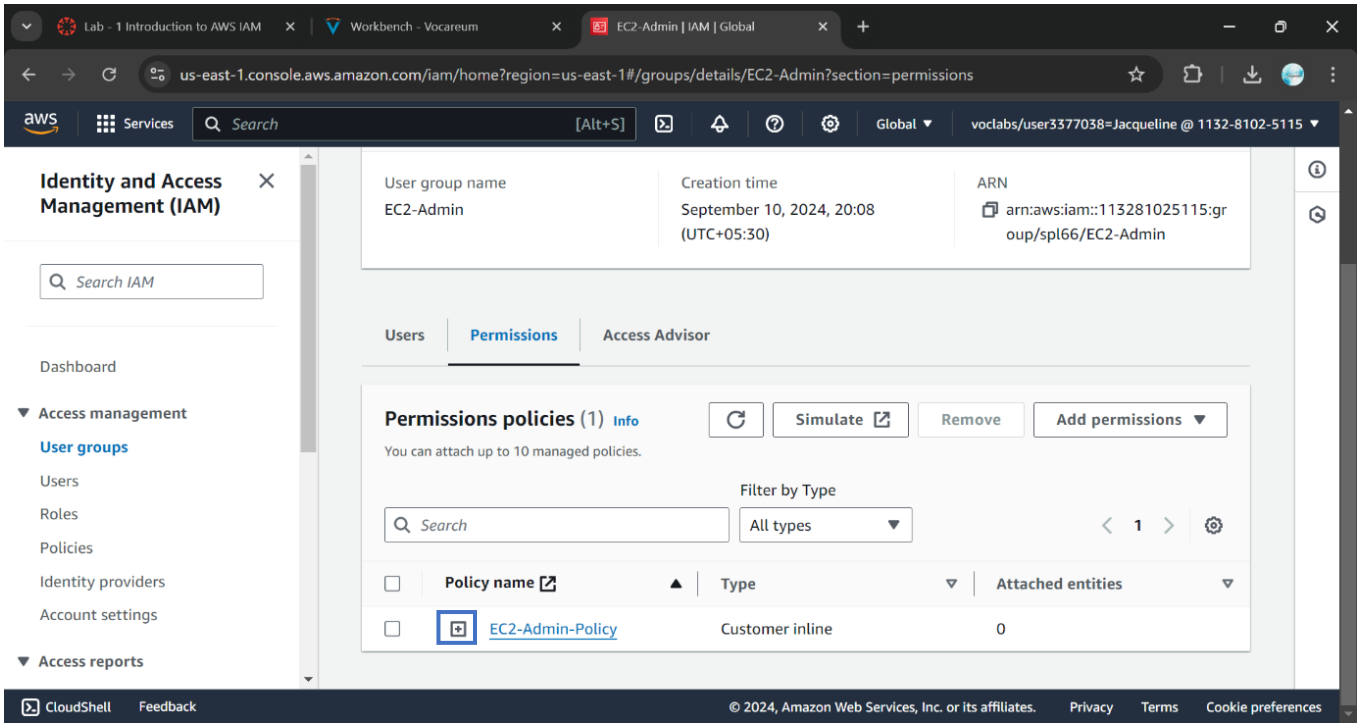
Step 9: Now click on S3 Support link from user groups and go in permissions tab it will show the summary page and then click on '+' sign in policy name tab and view the contents in it.



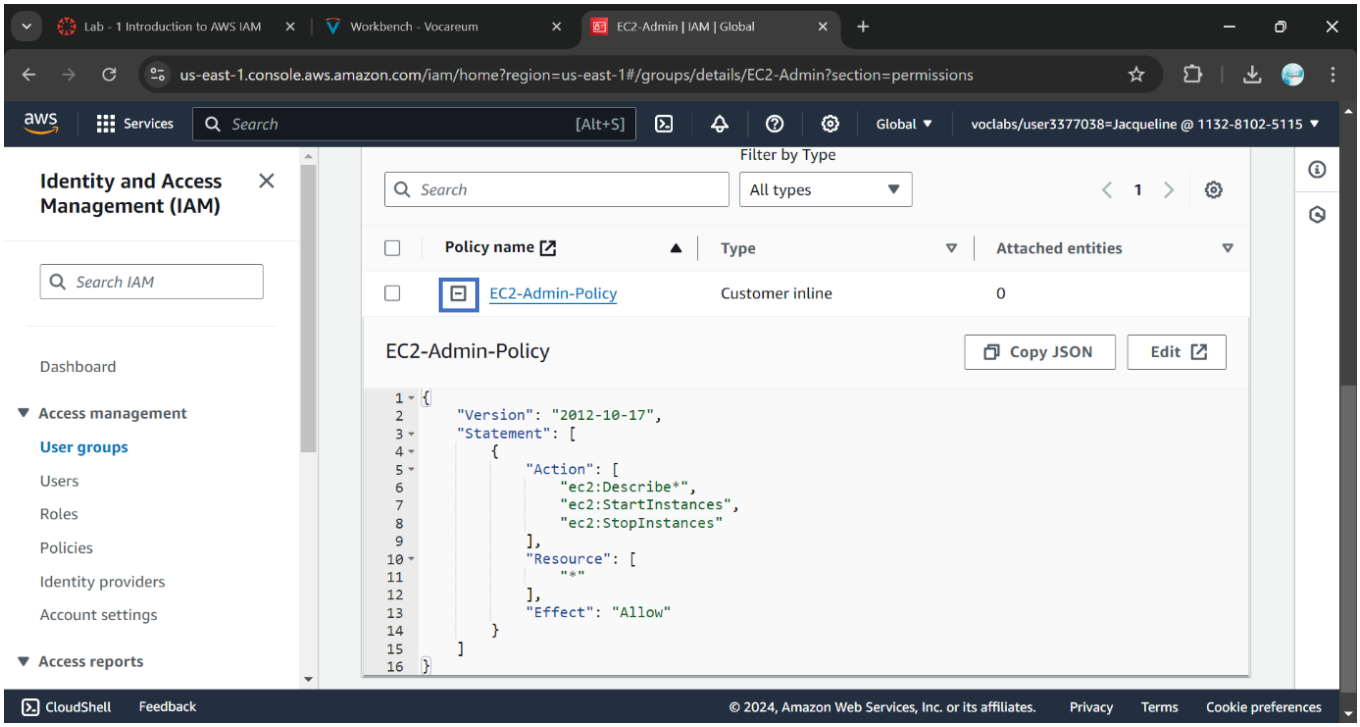
Step 10: Now click on '-' to close the contents which are visible.



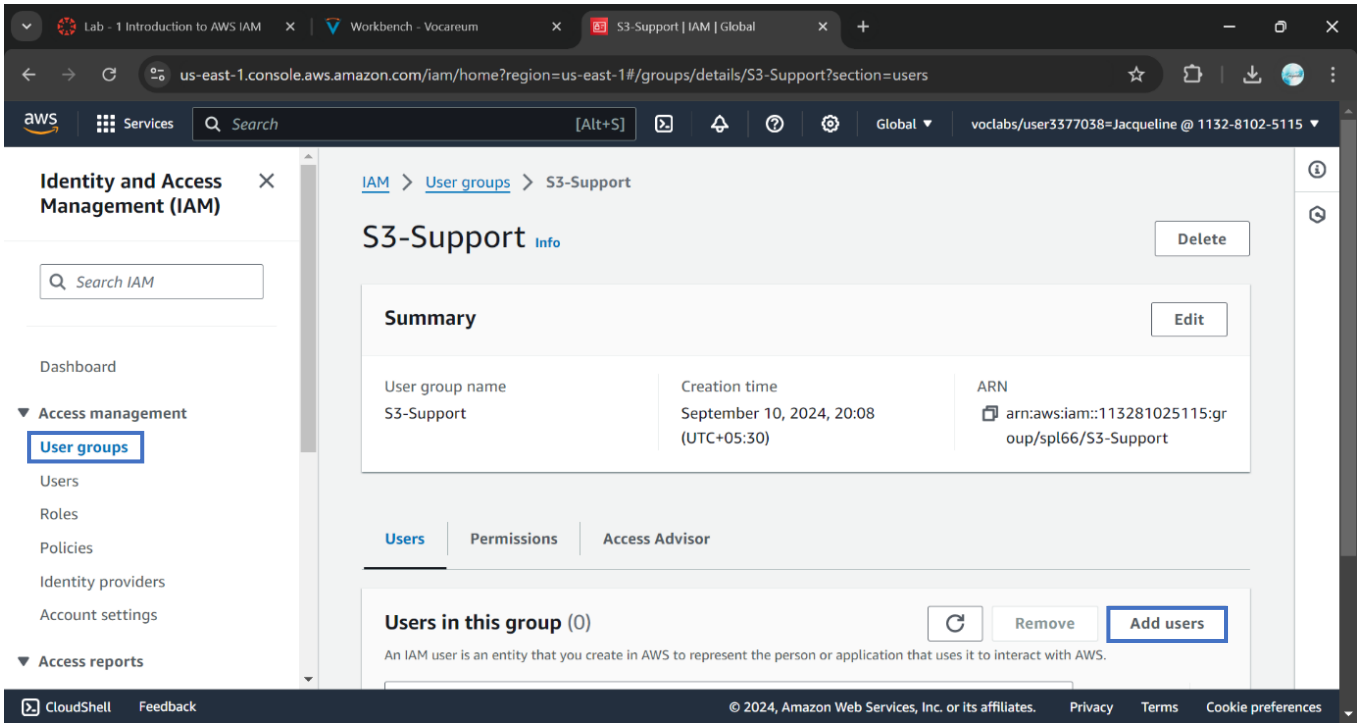
Step 11: Now click on EC2-admin link from user groups and go in permissions tab it will show the summary page and then click on '+' sign in policy name tab and view the contents in it.



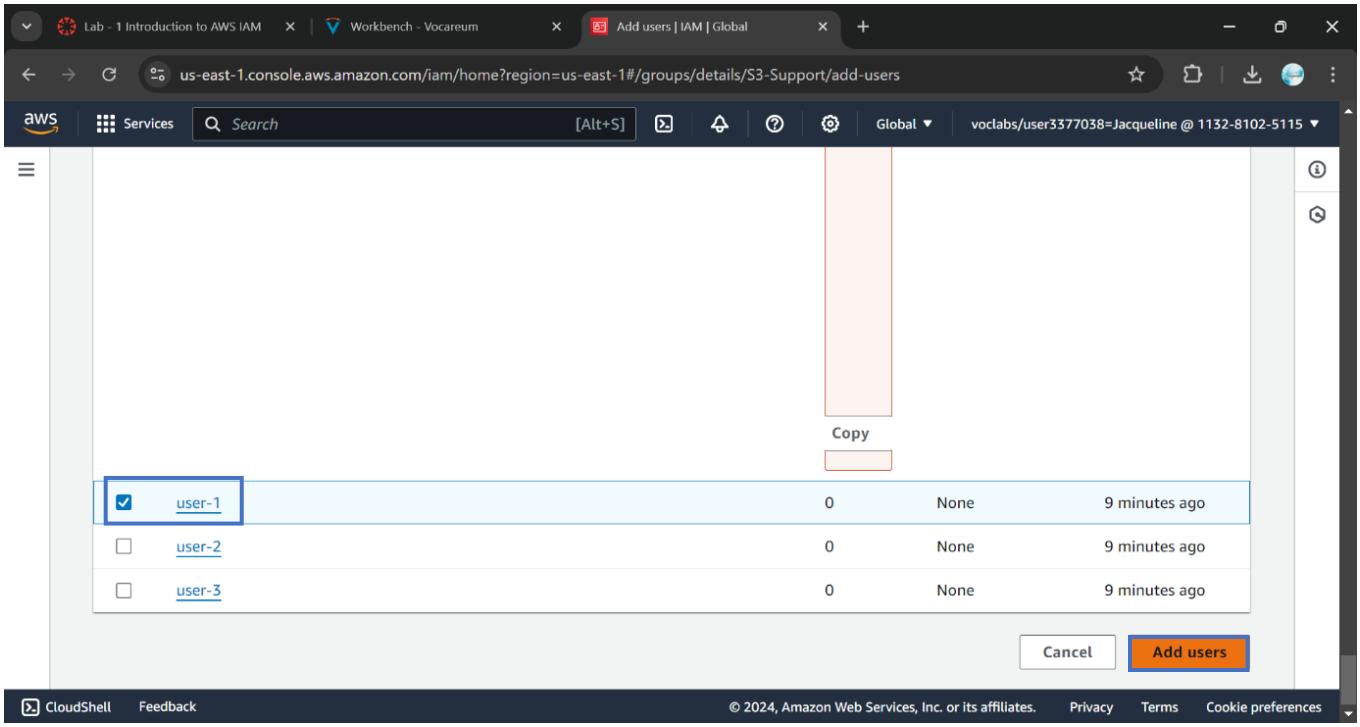
Step 12: Now click on '-' to close the contents which are visible.



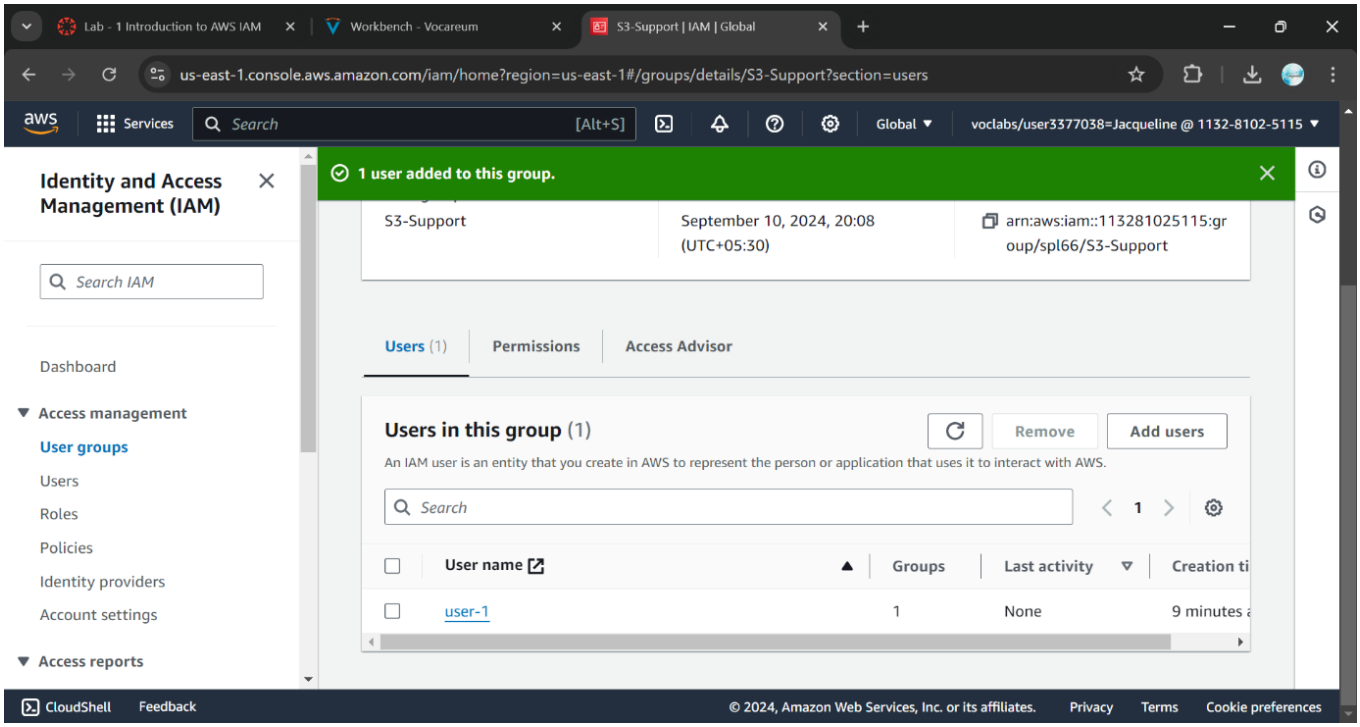
Step 13: Now in the left navigation pane, choose **User groups** and click on S3-Support group link and click on 'Add users' to add users in it.



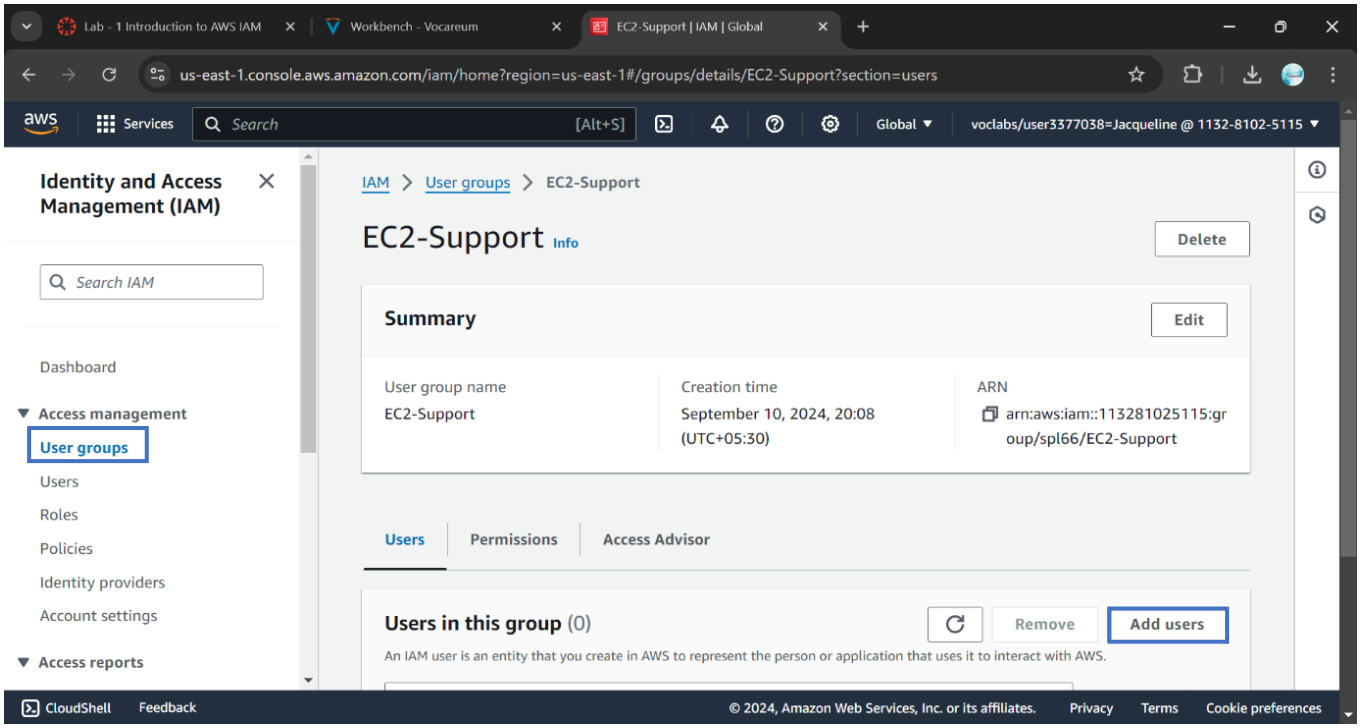
Step 14: Select user-1 and then click on Add users.



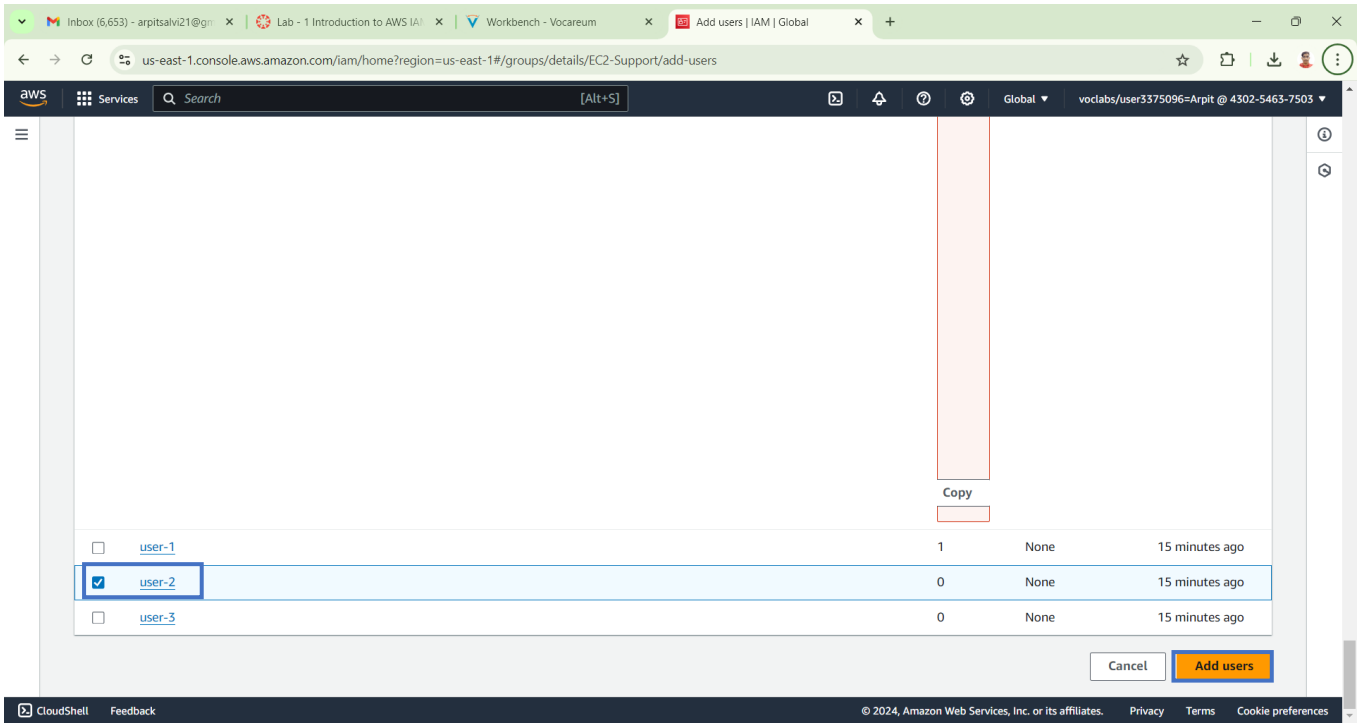
Step 15: Now the user-1 is been added to S3-Support group.



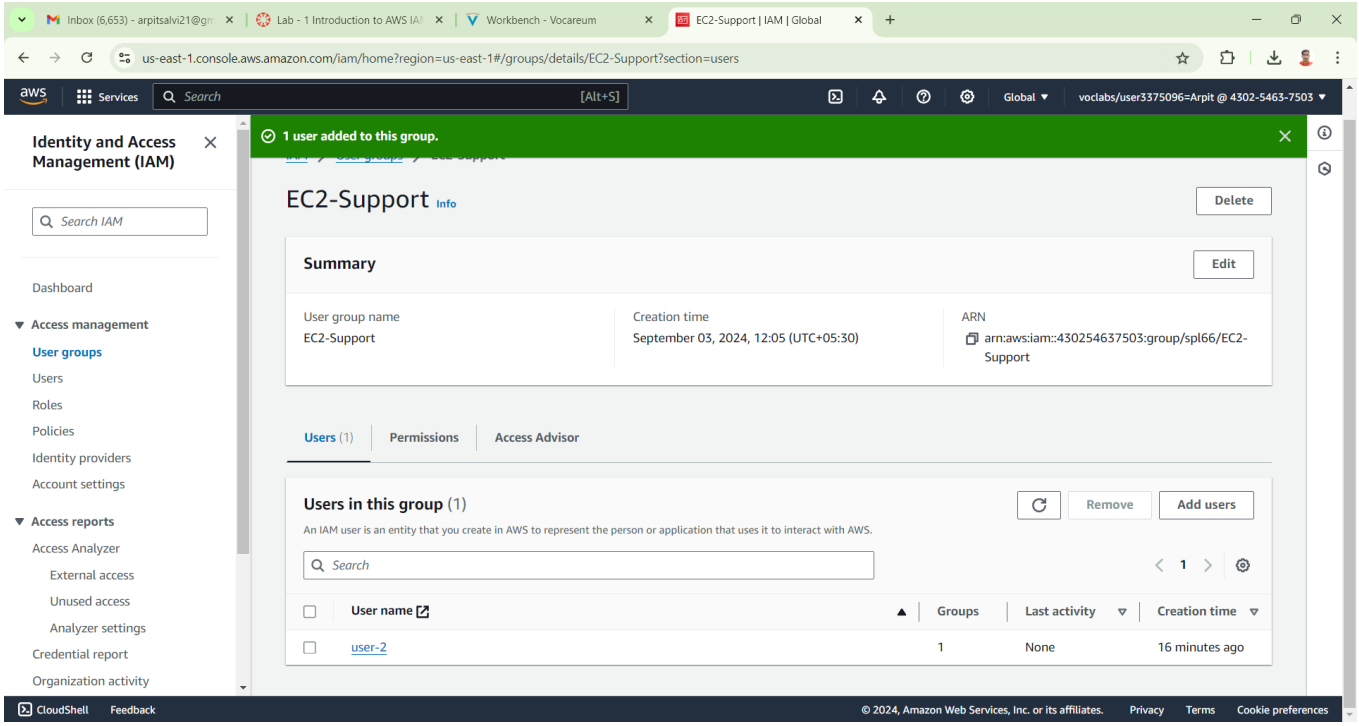
Step 16: Now in the left navigation pane, choose **User groups** and click on EC2-Support group link and click on 'Add users' to add users in it.



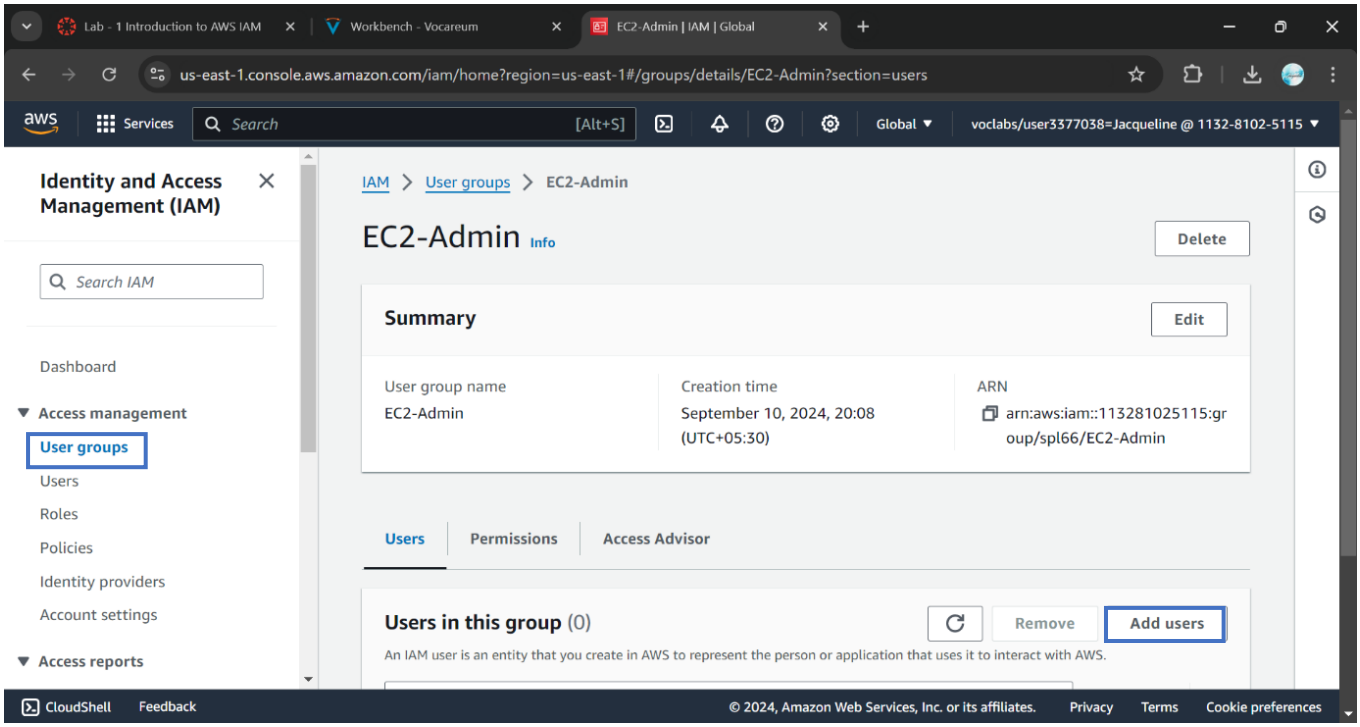
Step 17: Select user-2 and then click on Add users.



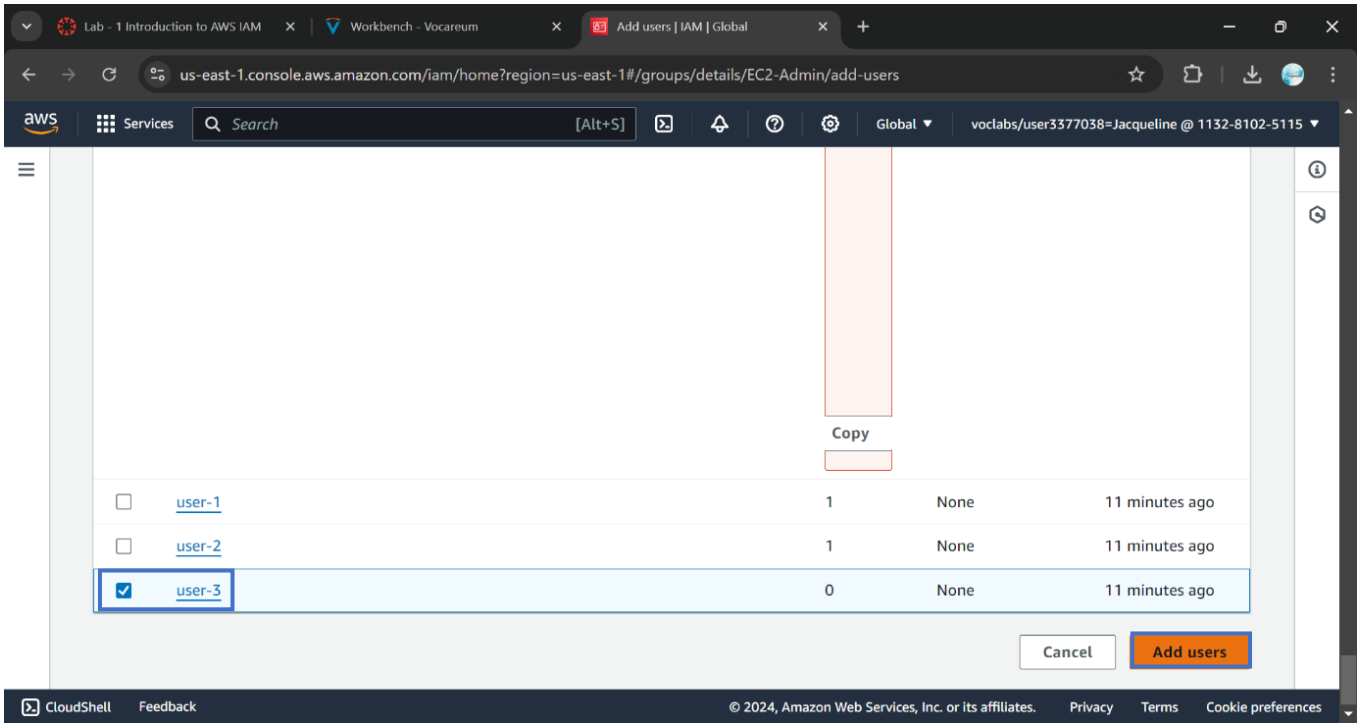
Step 18: Now the user-2 is been added to EC2-Support group.



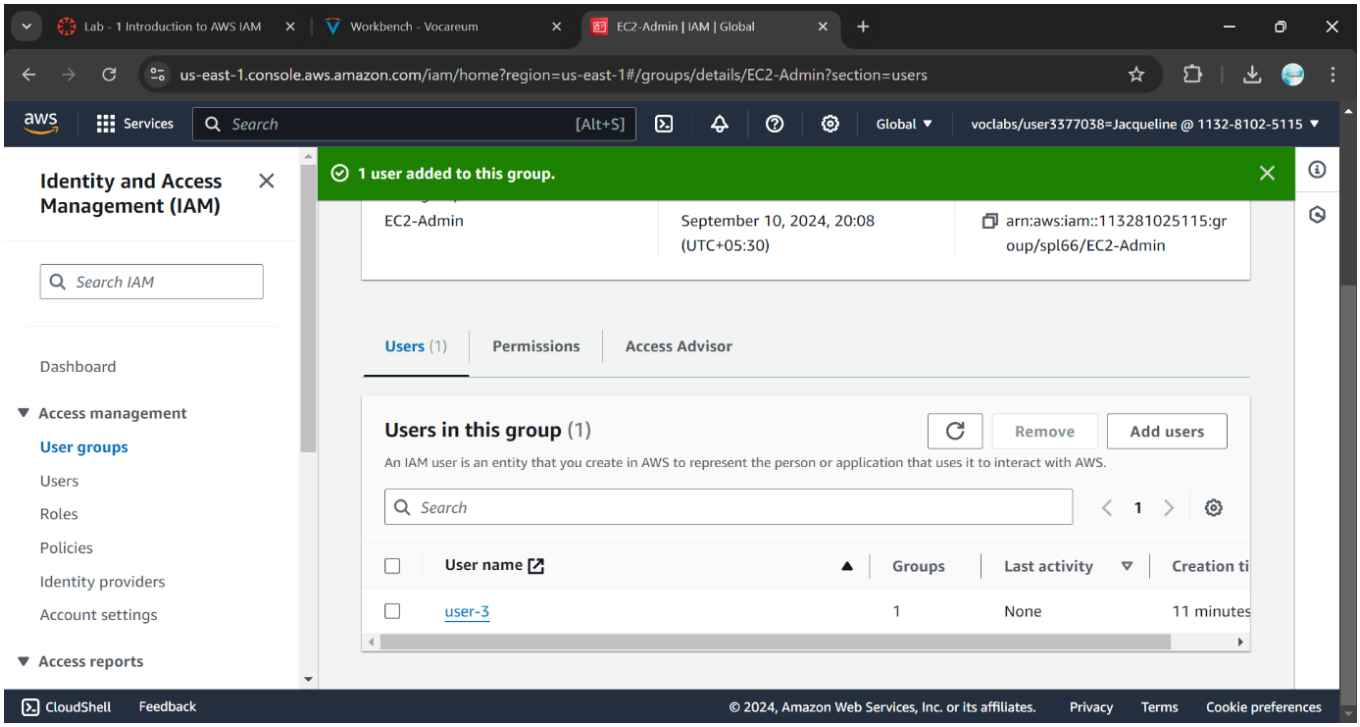
Step 19: Now in the left navigation pane, choose **User groups** and click on EC2-Admin group link and click on ‘Add users’ to add users in it.



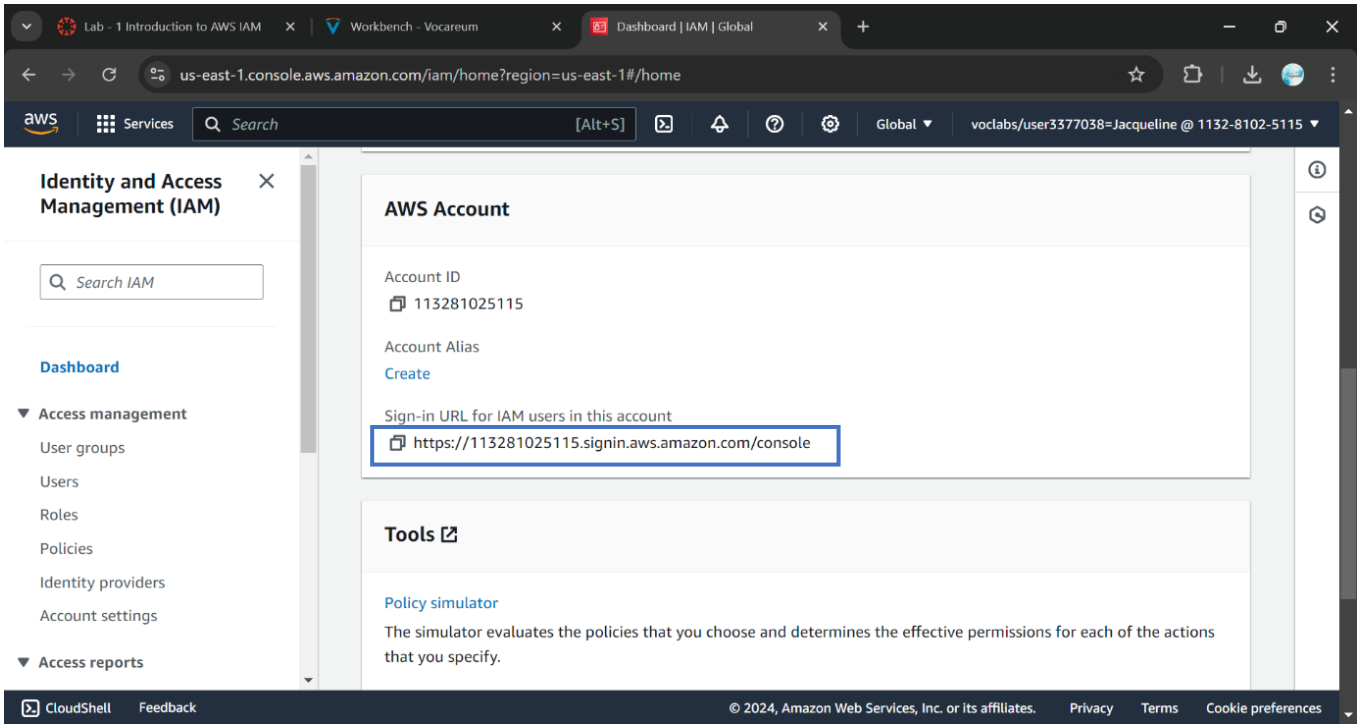
Step 20: Select user-3 and then click on Add users.



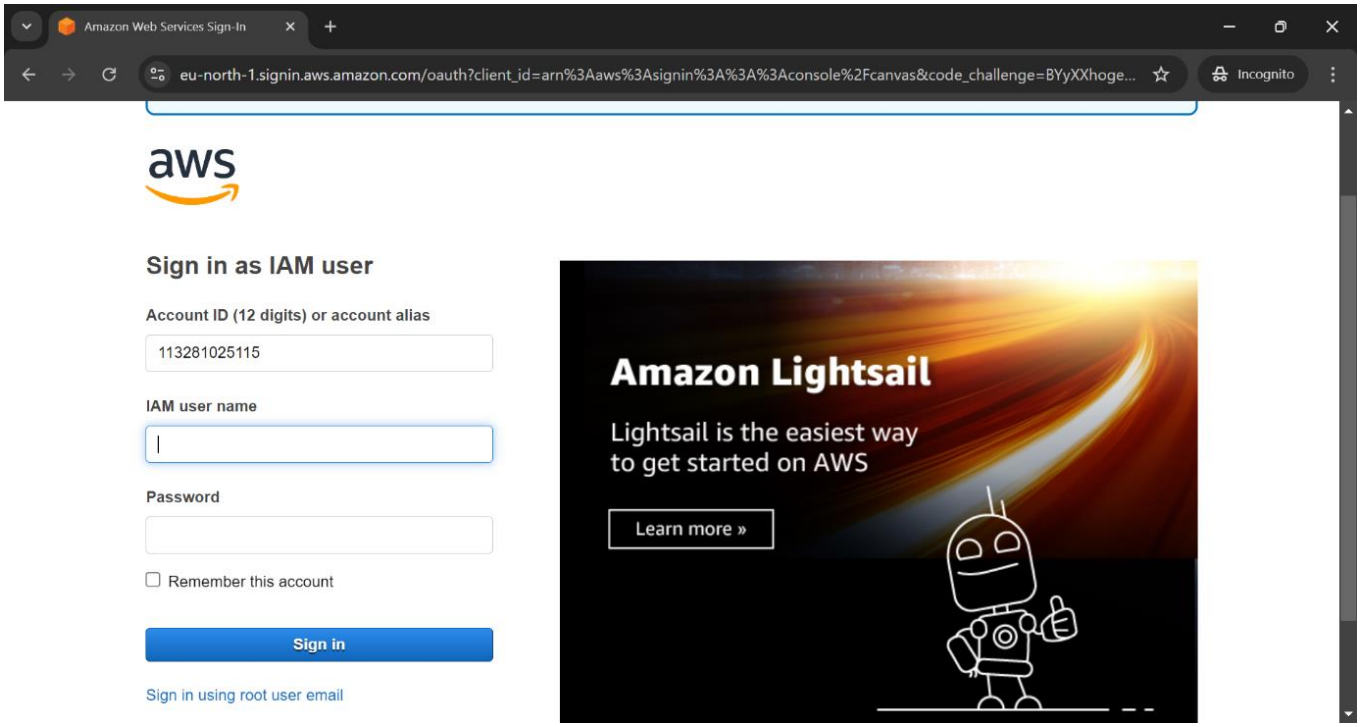
Step 21: Now the user-3 is been added to EC2-Admin group.



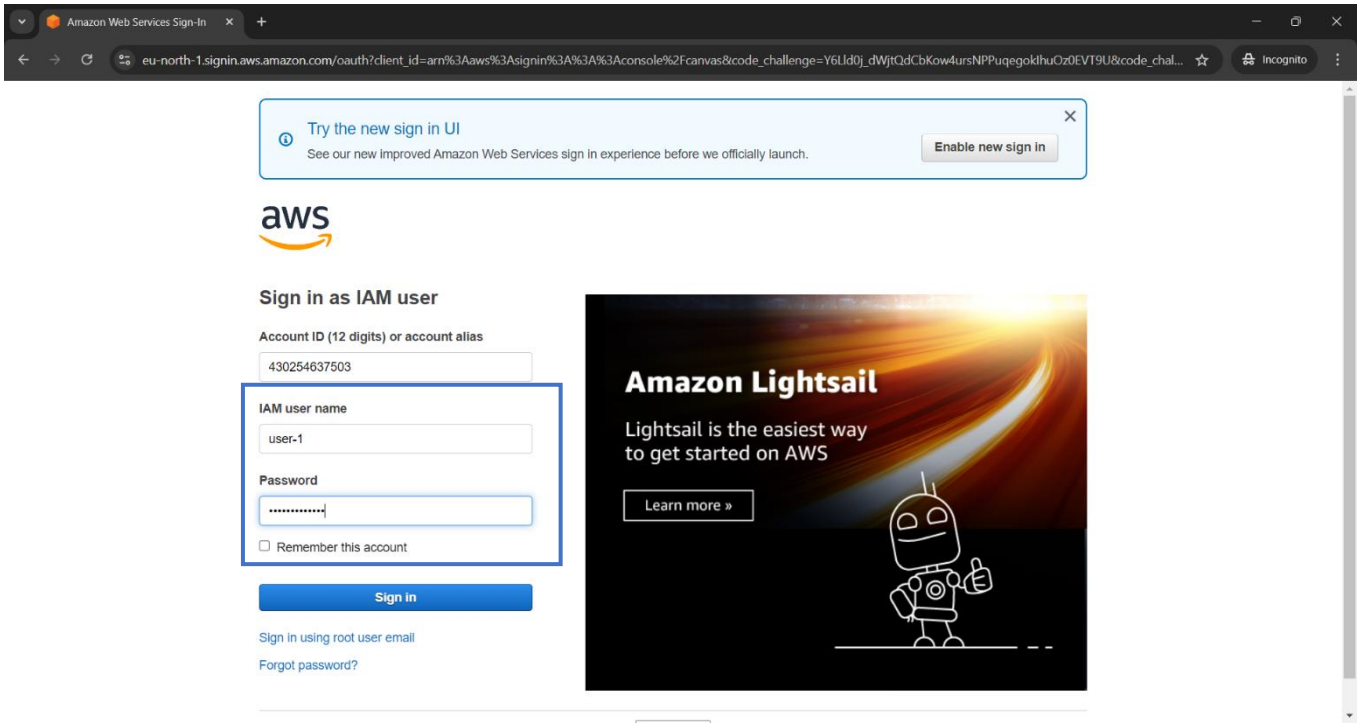
Step 22: Now go to dashboard and copy the Sign-in link provided on the right side.



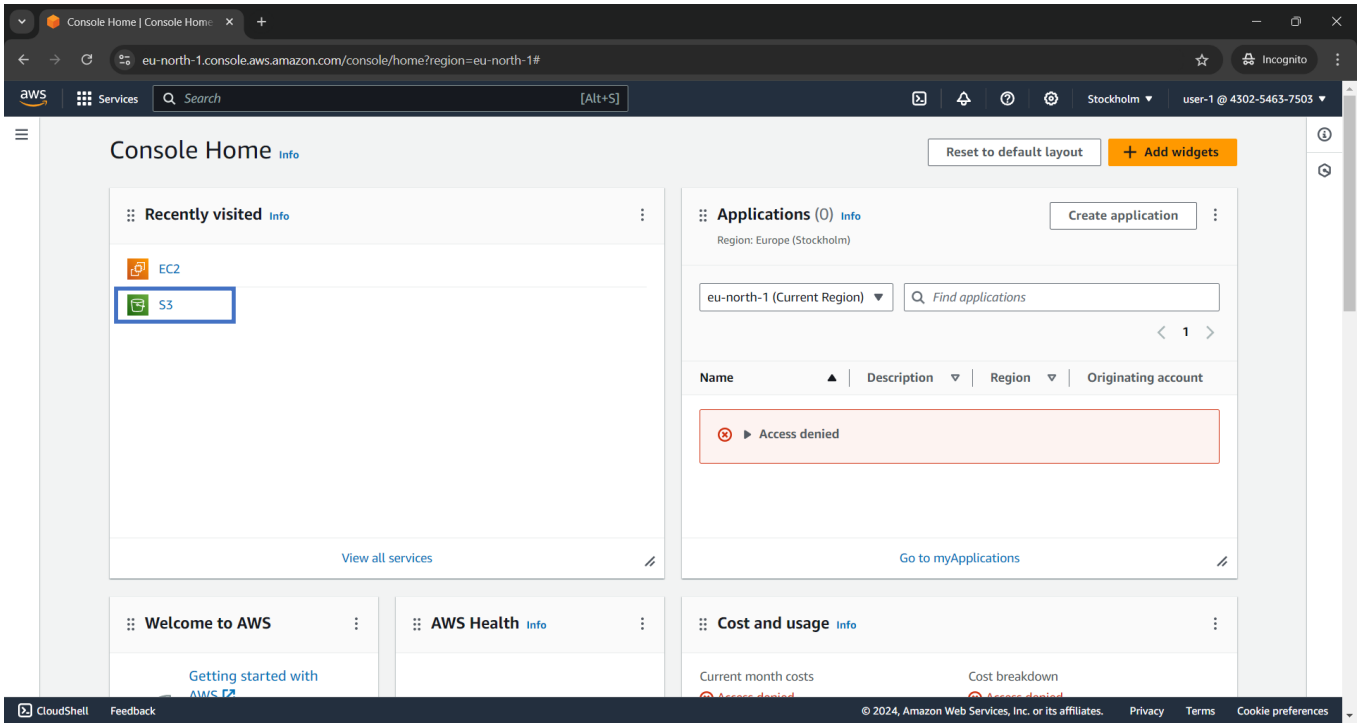
Step 23: Paste this link in New incognito tab of google chrome.



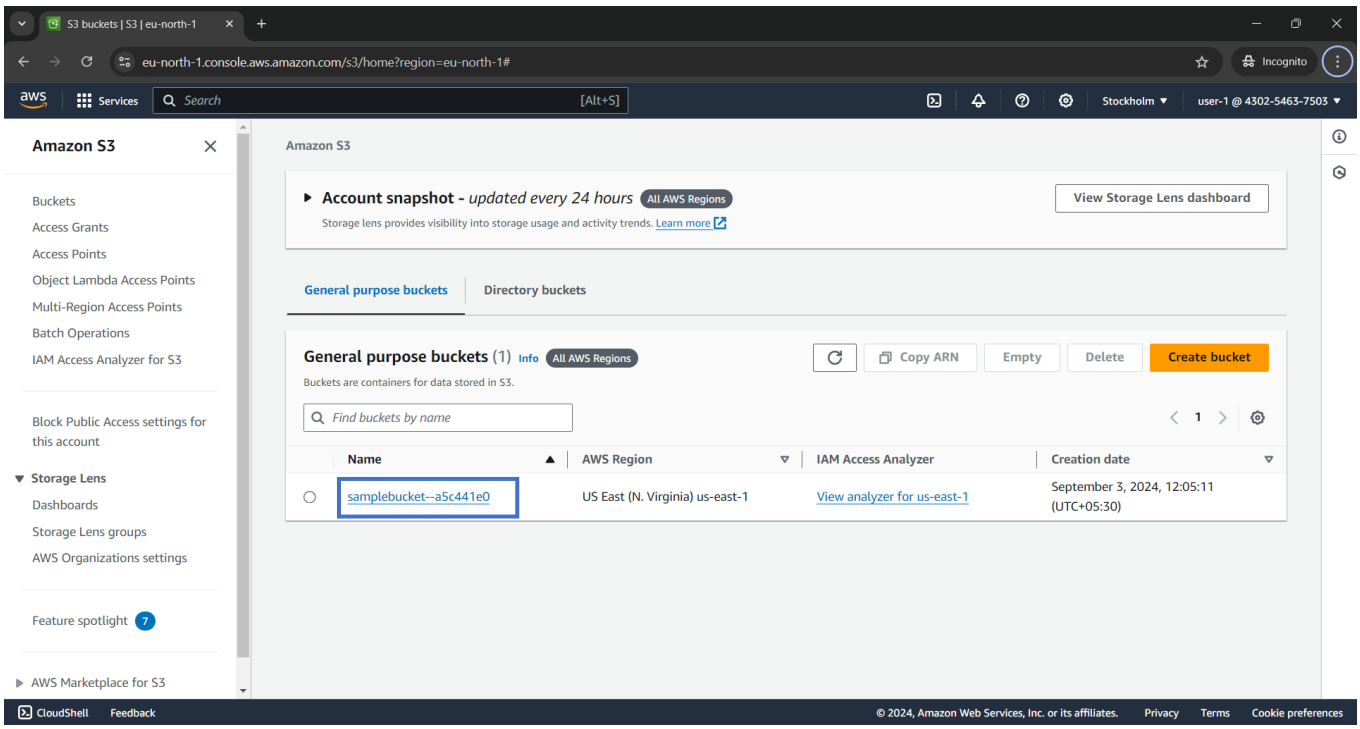
Step 24: Now sign in using user-1 credentials.

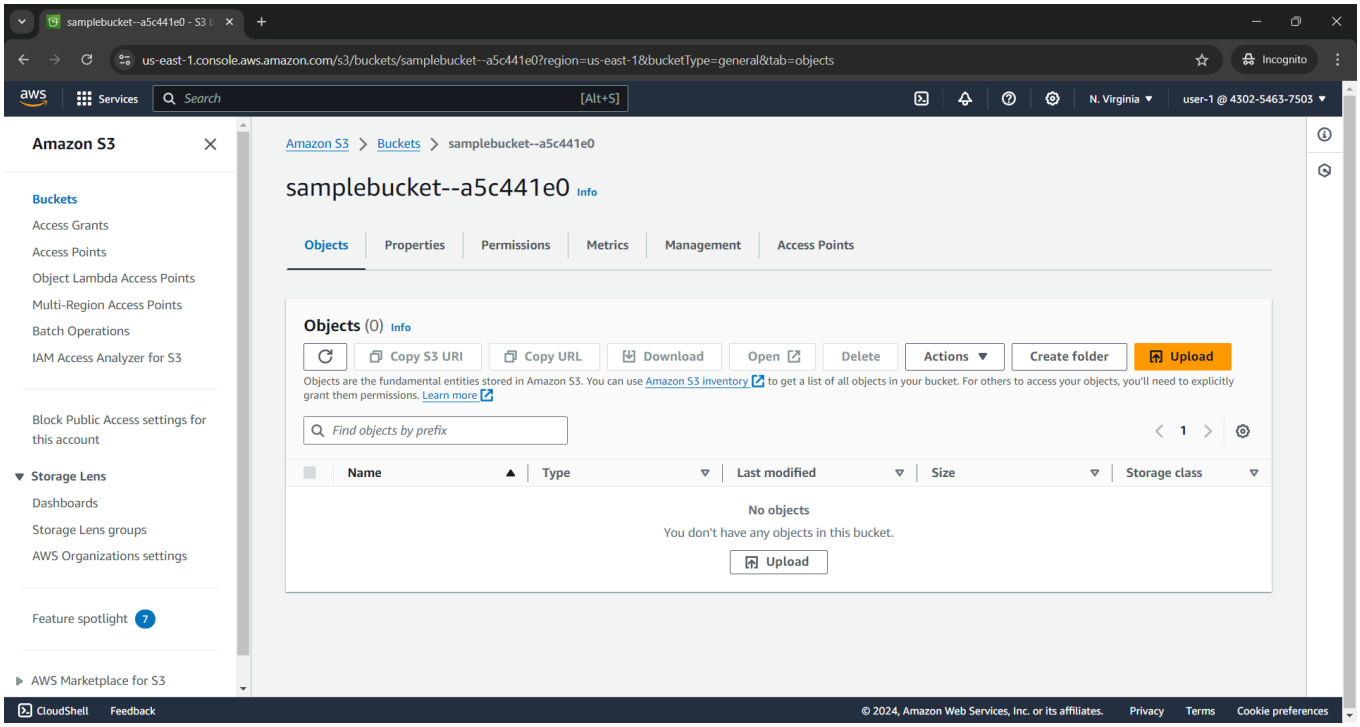


Step 25: Now search for S3 in search bar next to services.

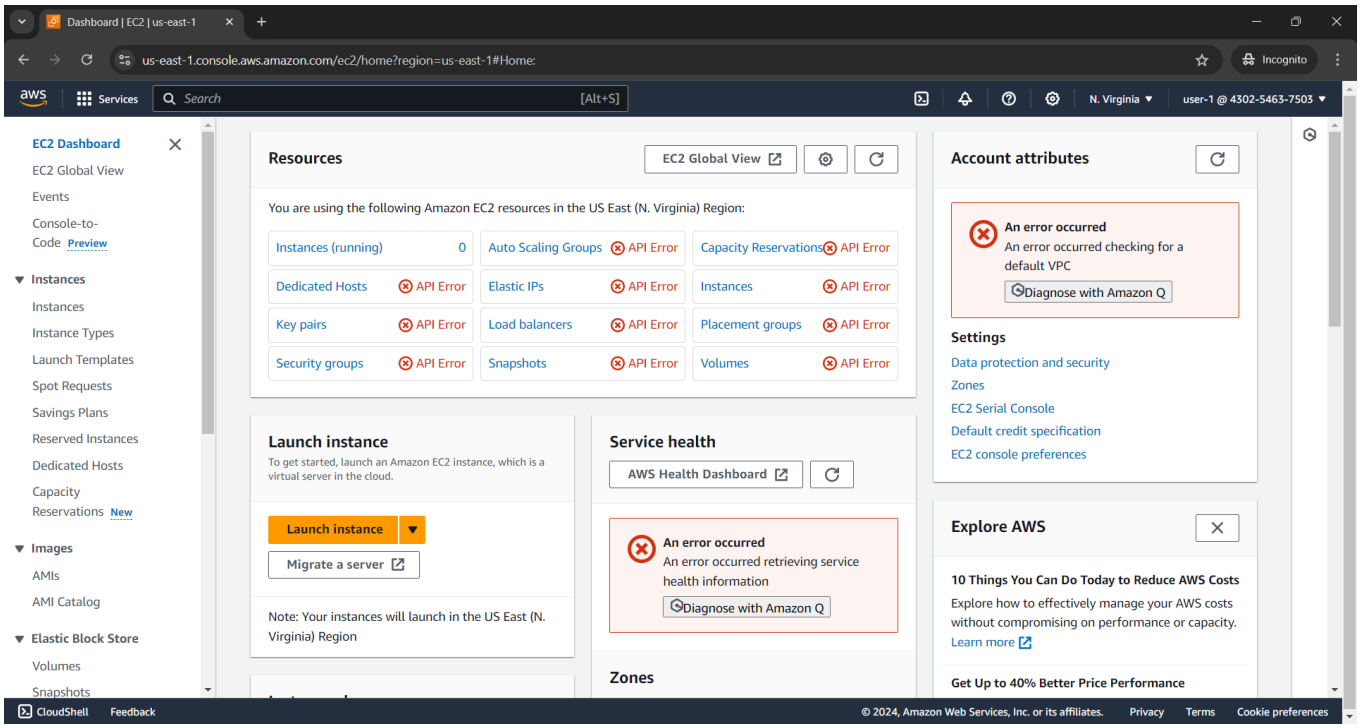


Step 26: Select the name of the bucket that exists in the account and browse the contents. Since your user is part of the S3-Support Group, they have permission to view a list of Amazon S3 buckets and the contents.

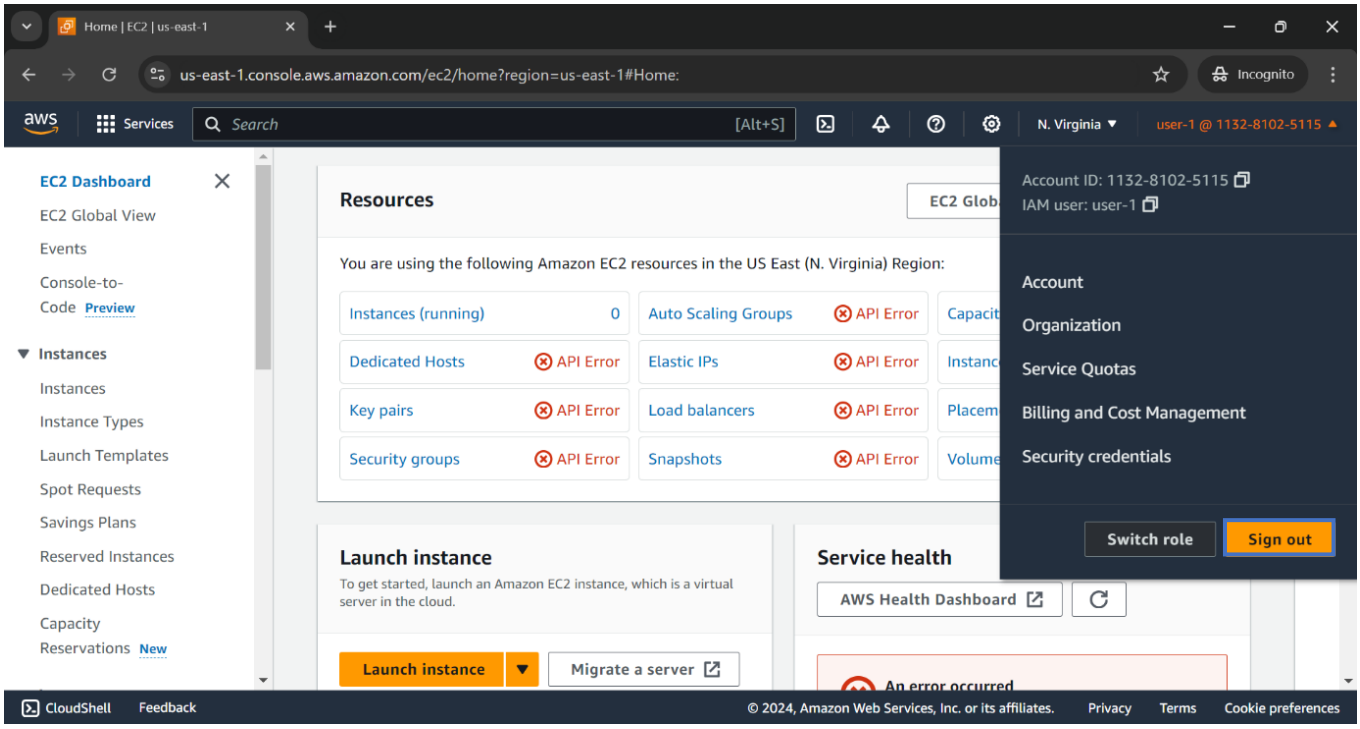




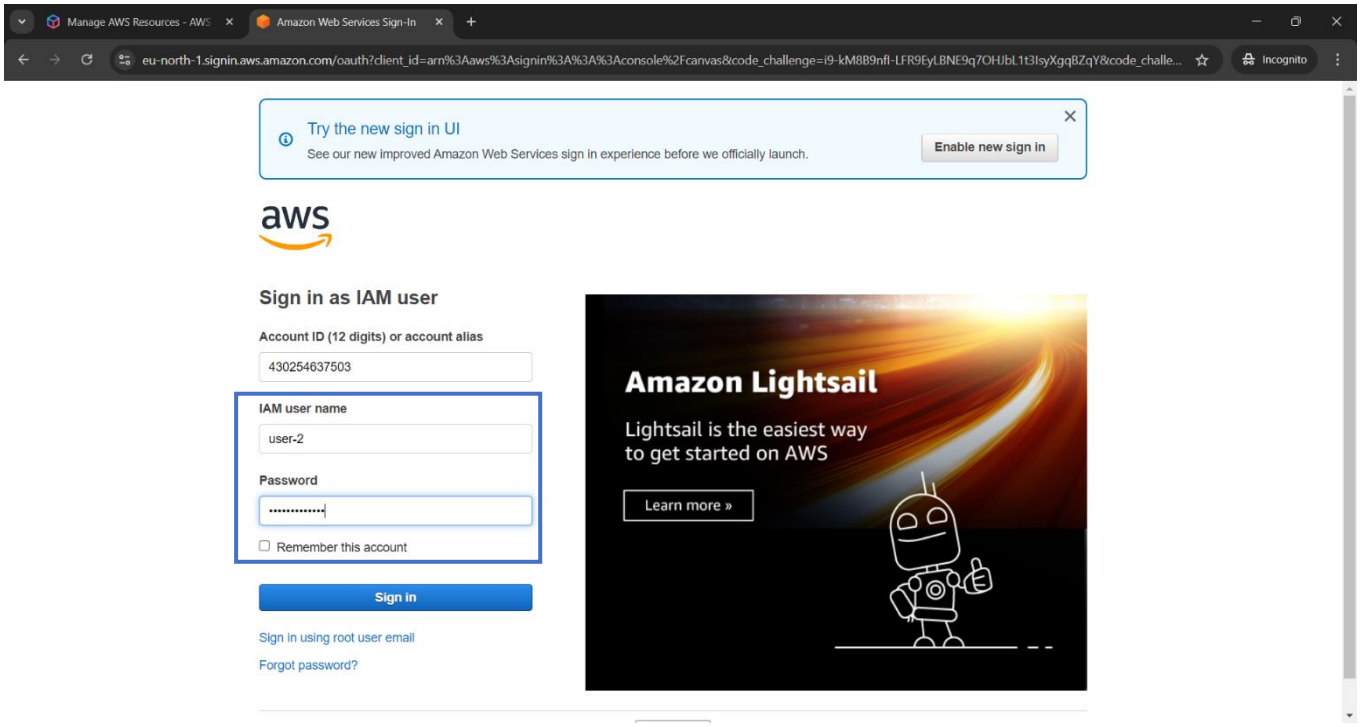
Step 27: Now search for EC2 console and see if you have permission or not. It will give error messages as it states You are not authorized to perform this operation. This is because this user has not been granted any permissions to access Amazon EC2.

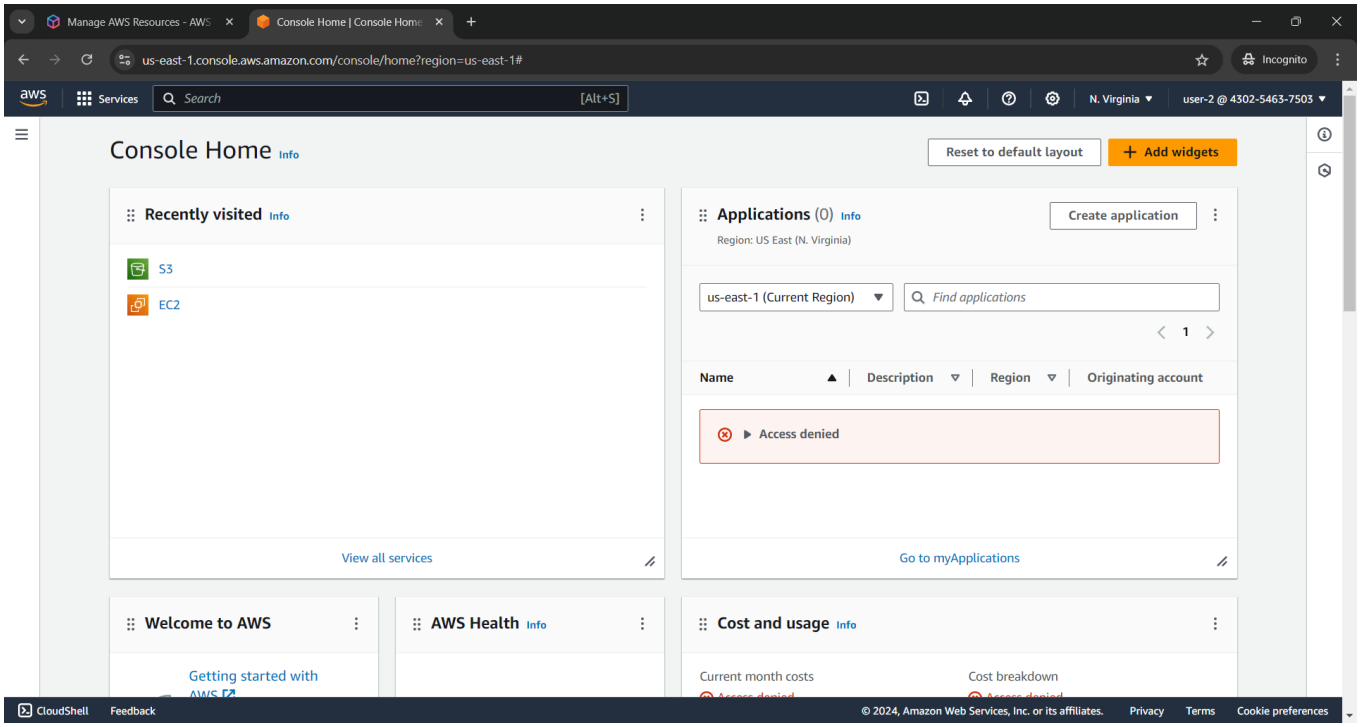


Step 28: Now sign out of user-1.

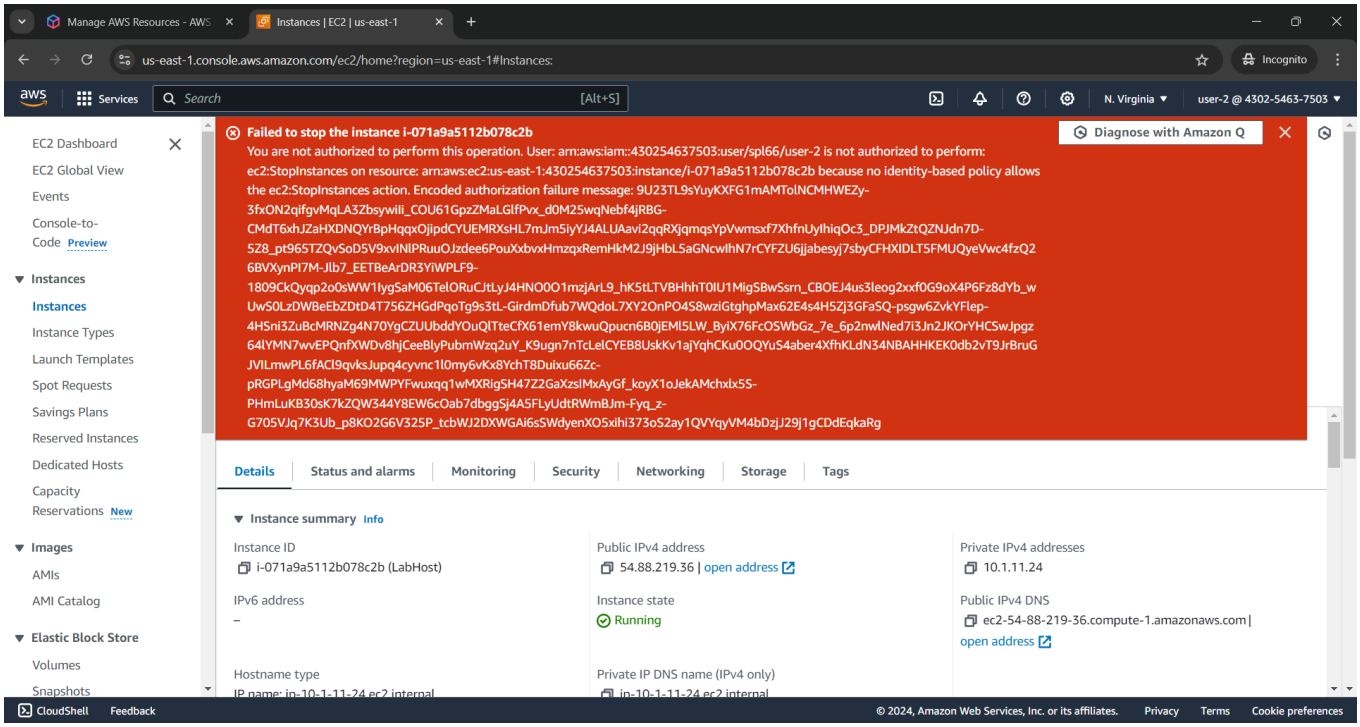


Step 29: Now sign in as user-2 again in the same link which was earlier copied.

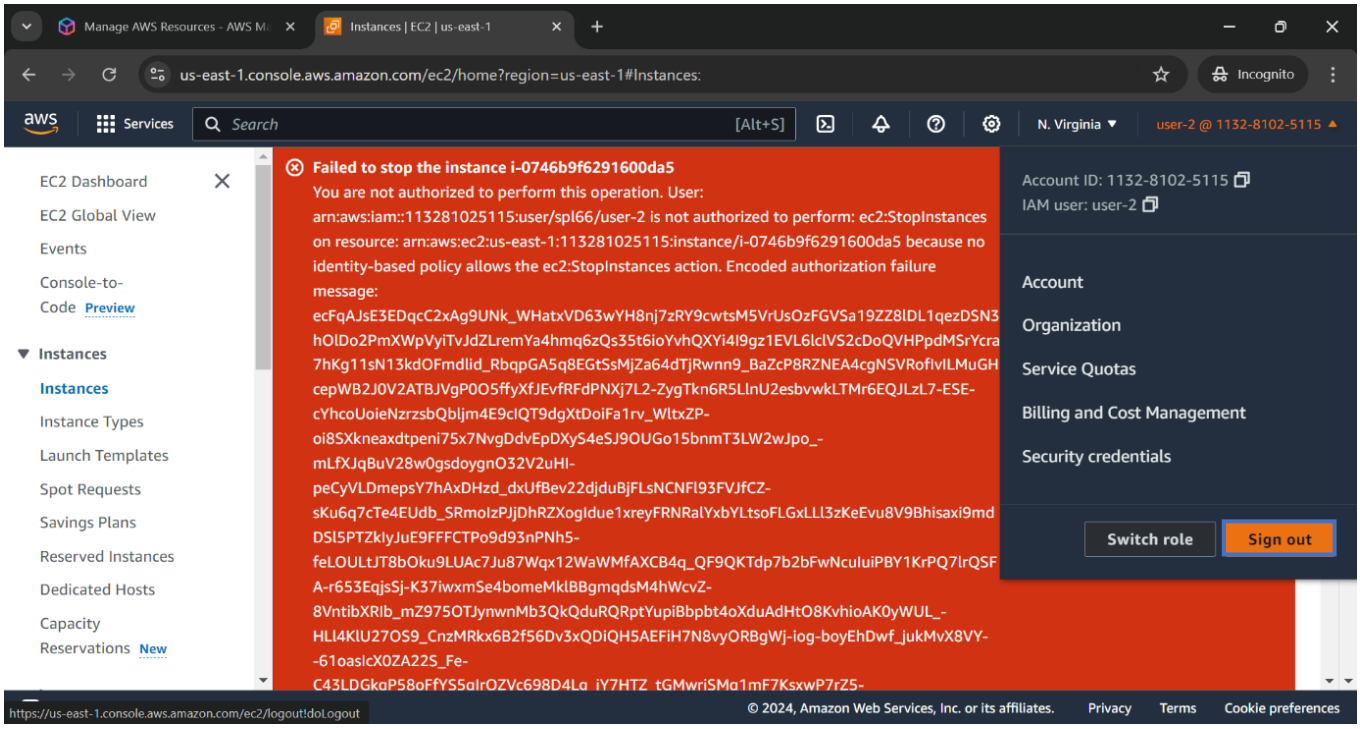




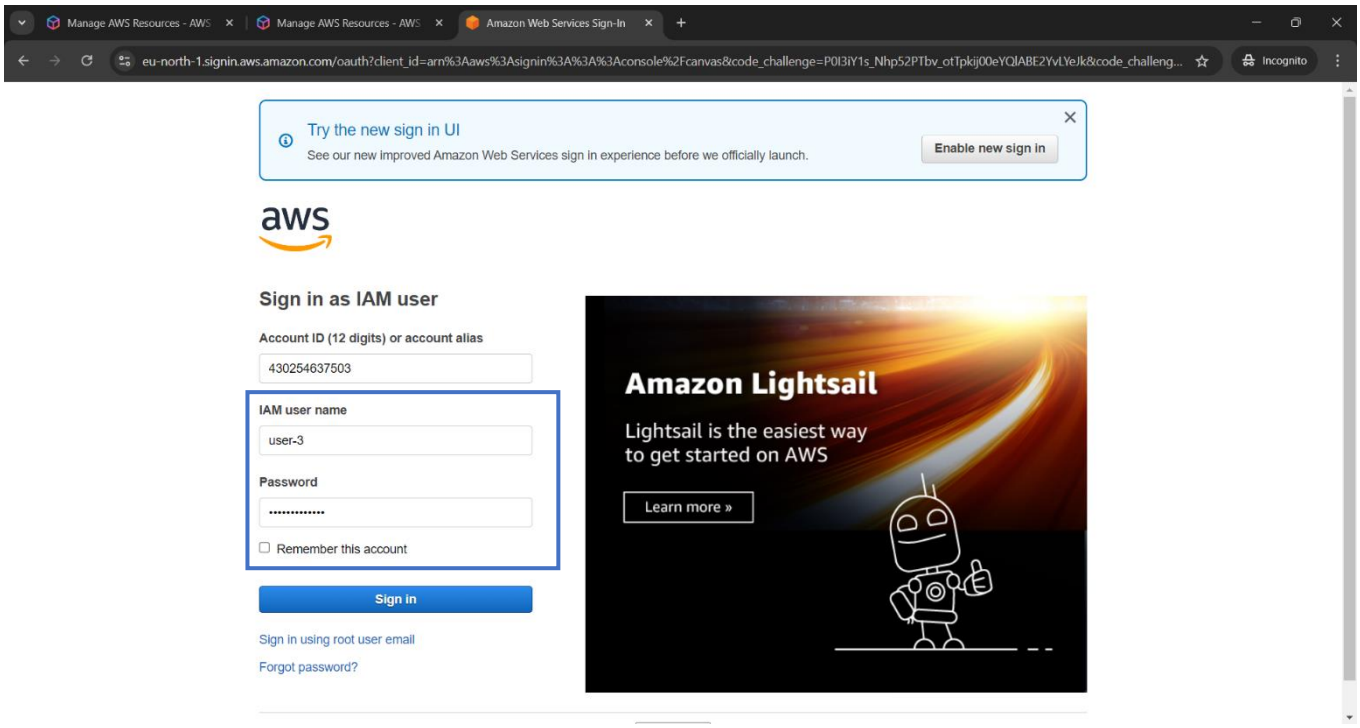
Step 30: Now go to instances and select the instance as Labhost and stop that instance. It will give error message as user-2 only has read only permission.

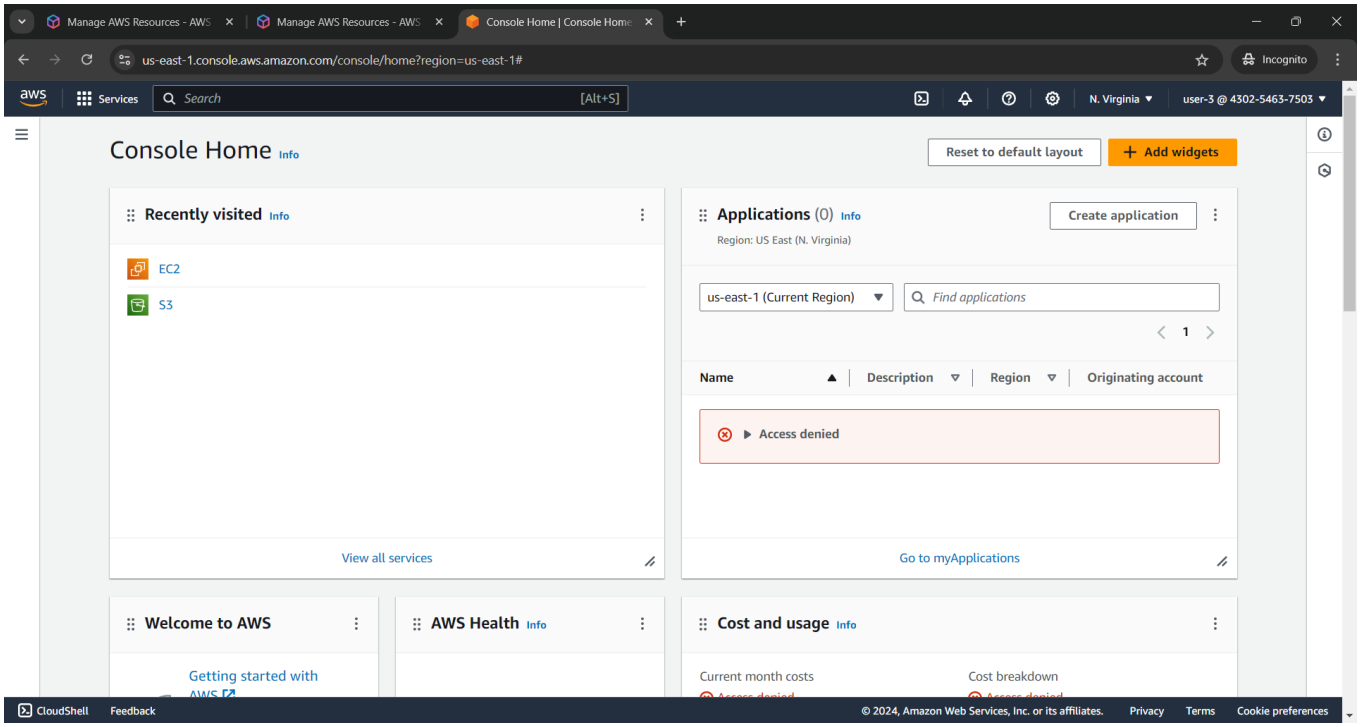


Step 31: Now sign out of user-2.

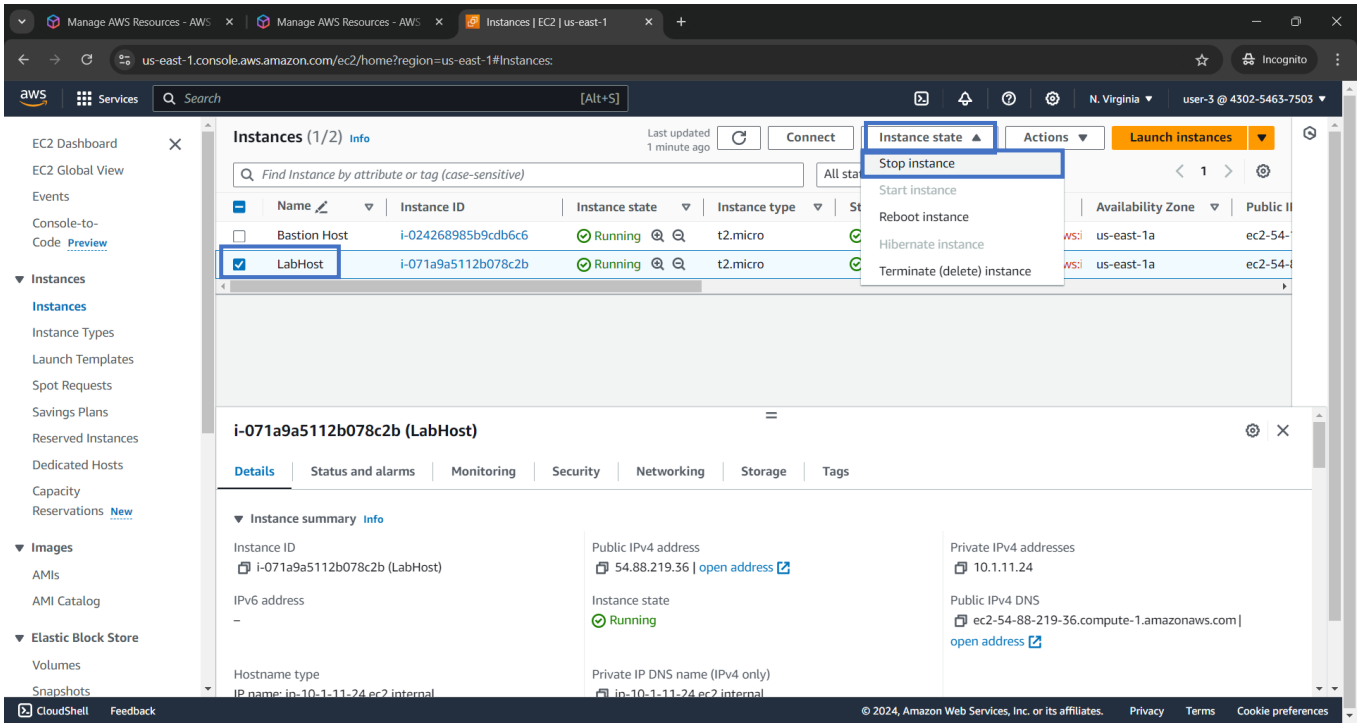


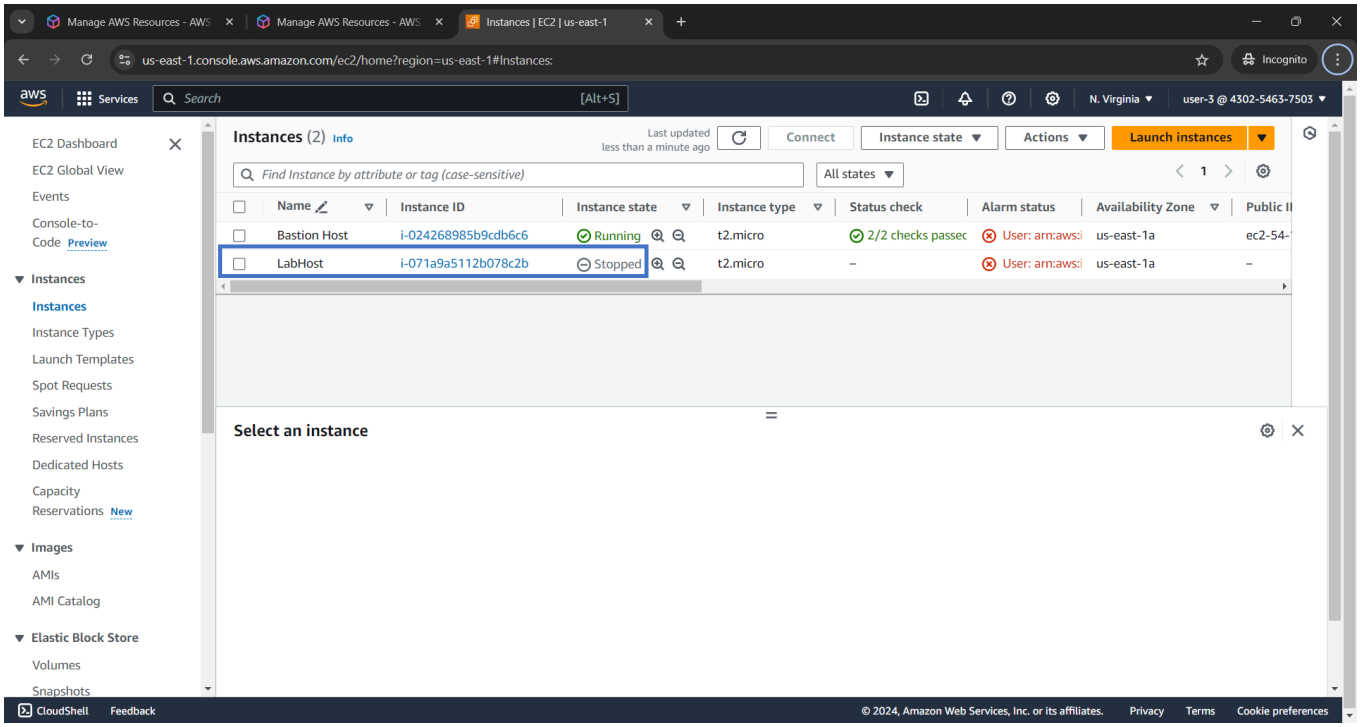
Step 32: Now sign in again as user-3 from the link that was earlier copied and choose instances and select the instance as Labhost.



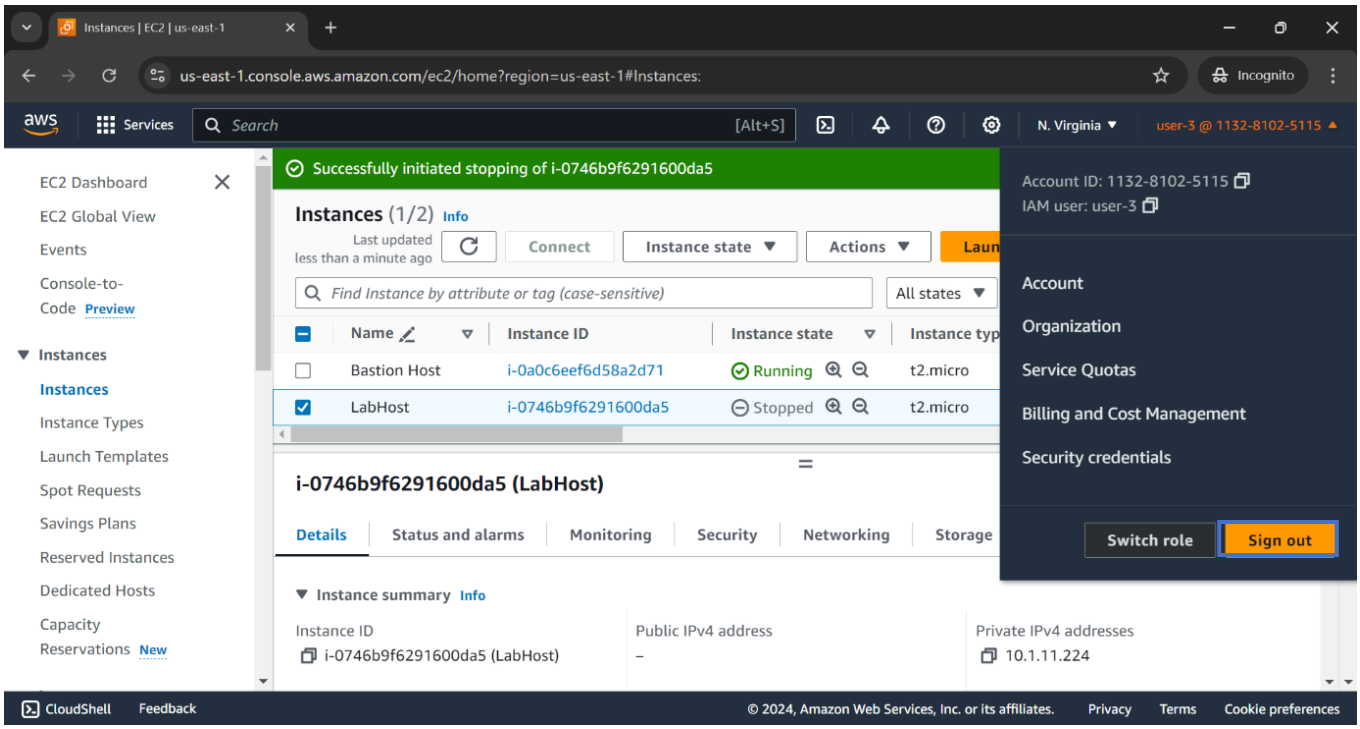


Step 33: Now say stop instance, the instance will stop as user-3 is an EC2 Administrator, so you now have permissions to Stop the Amazon EC2 instance.





Step 34: Now sign out of user-3 and close the private window tab.



Step 35: Now sign out of your account and end the lab.