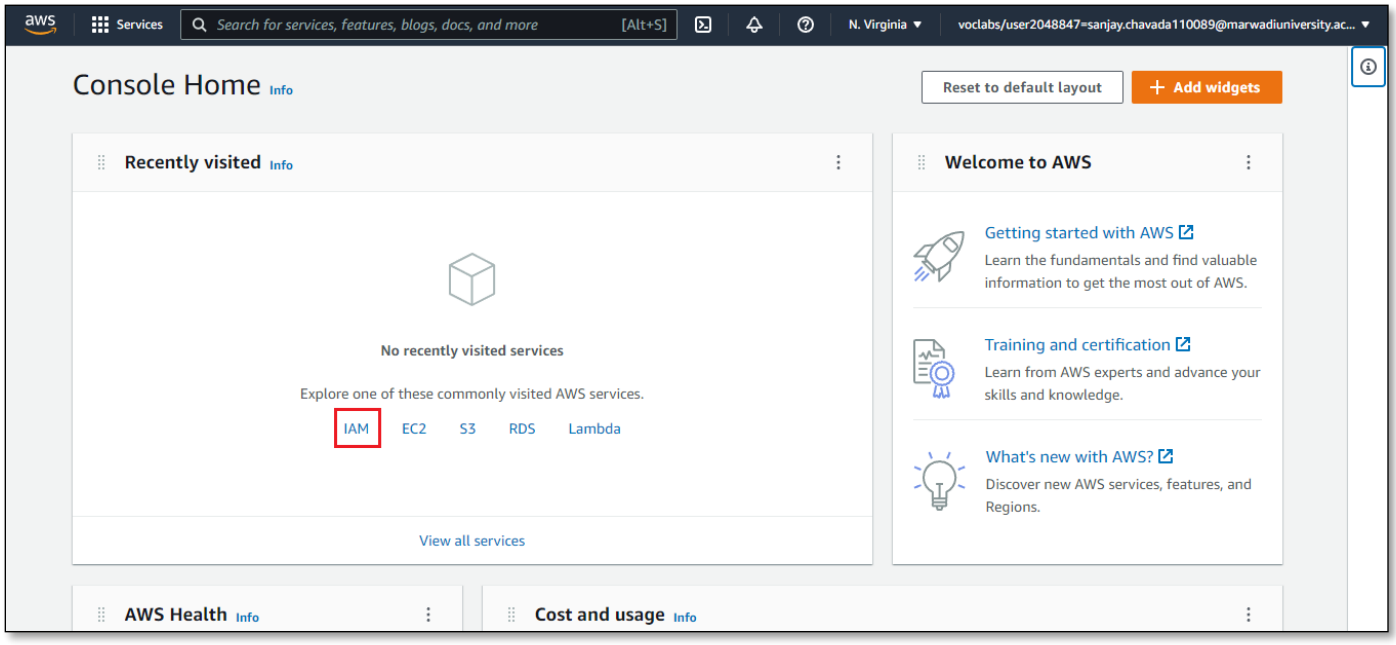
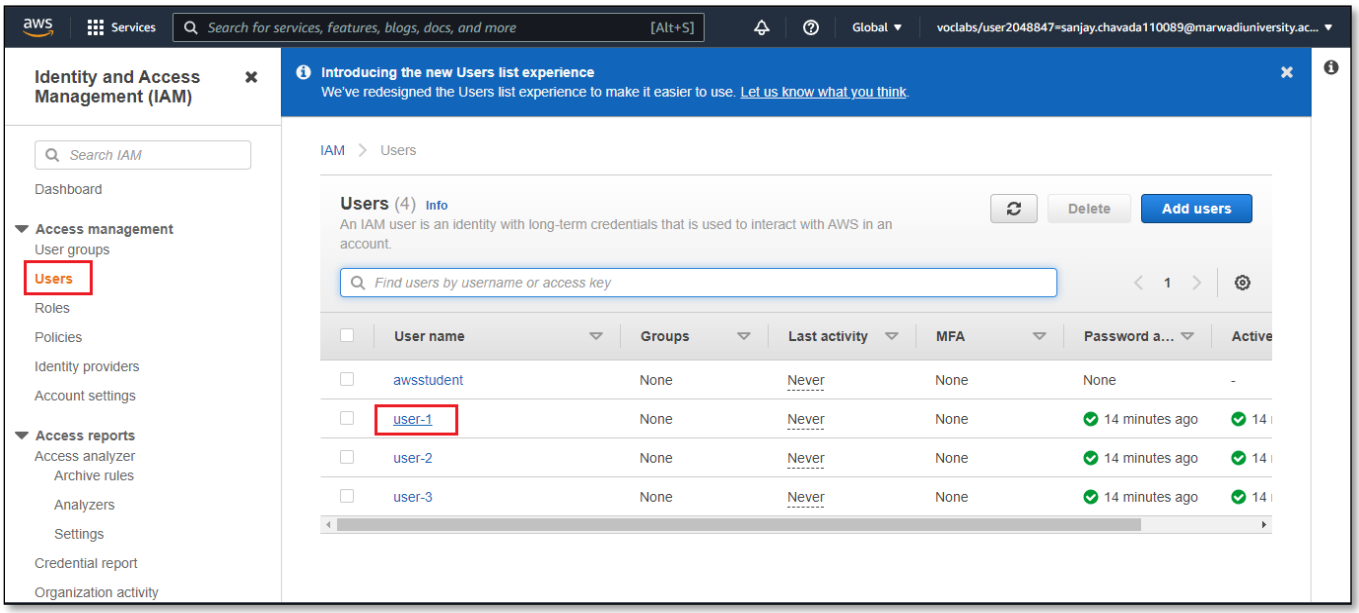
Practical 6 : Introduction to AWS Identity and Access Management(IAM)

Task 1: Explore the Users and Groups

1. In the **AWS Management Console**, on the **Services** menu, select **IAM**.

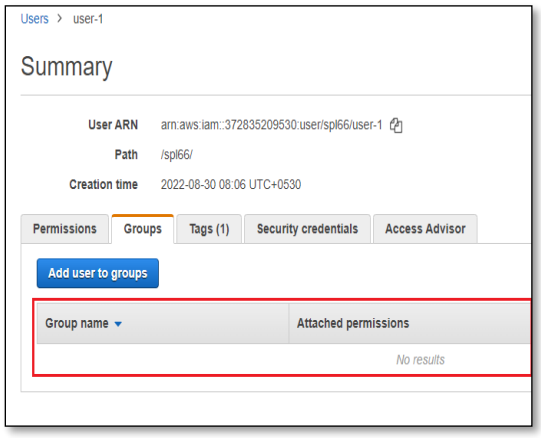


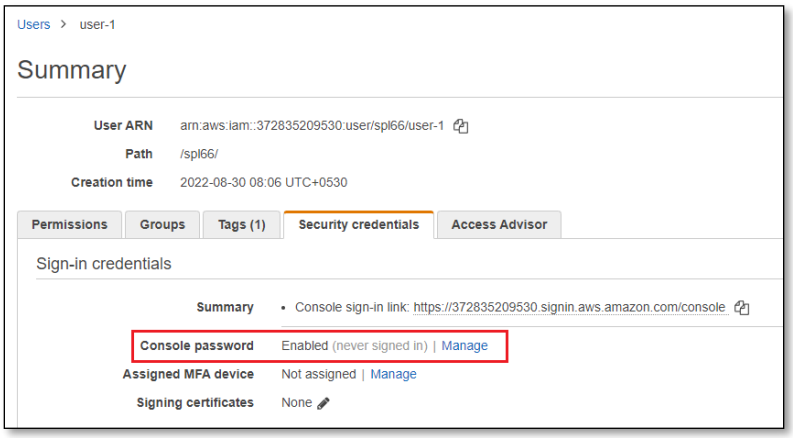
2. In the navigation pane on the left, choose **Users**.
3. Choose **user-1**.



4. Choose the **Groups** tab.
5. Choose the **Security credentials** tab.

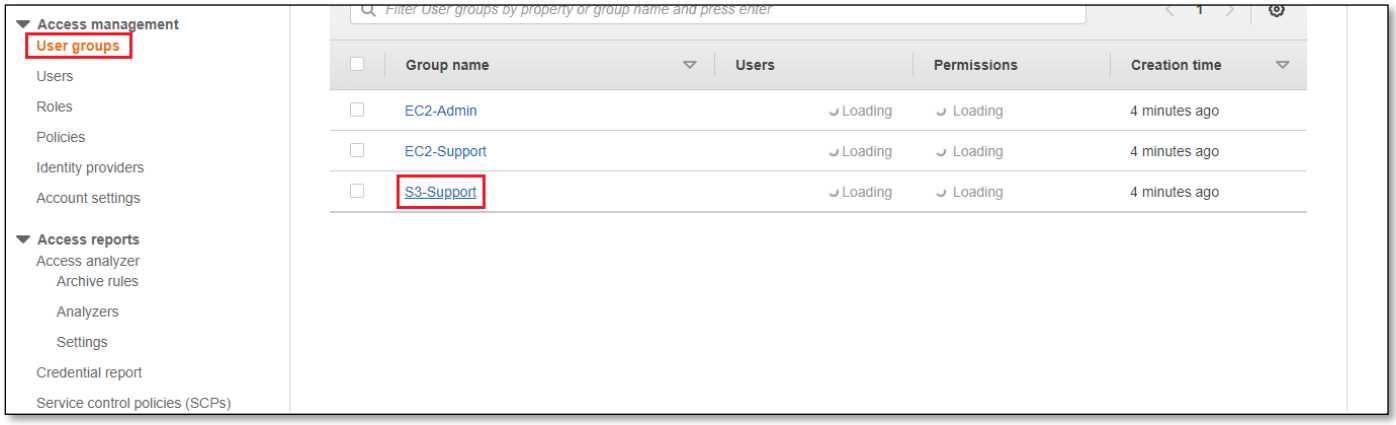
   user-1 is assigned a **Console password**

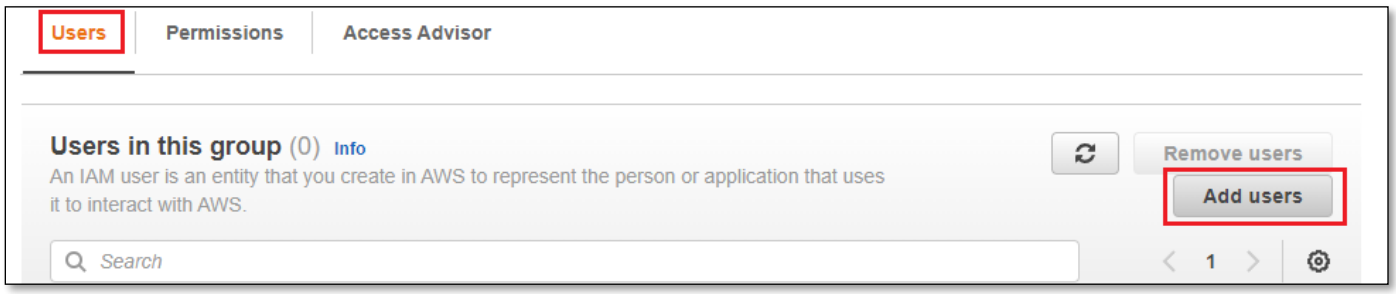


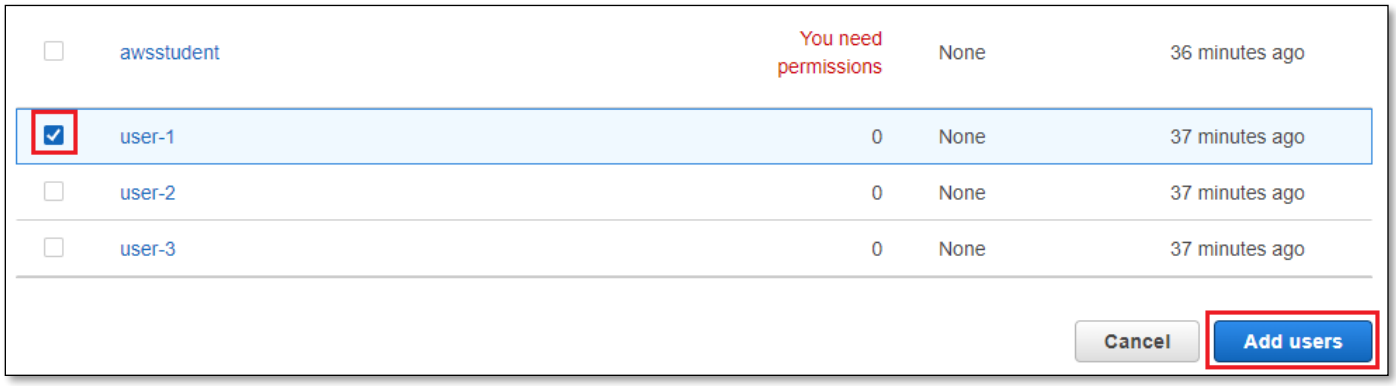


Task 2: Add Users to Groups
Add user-1 to the S3-Support Group

6. In the left navigation pane, choose **User groups**.
7. Choose the **S3-Support** group.
8. Choose the **Users** tab.
9. In the **Users** tab, choose **Add users**.
10. In the **Add Users to S3-Support** window, configure the following:
    - Select **user-1**.
    - At the bottom of the screen, choose **Add Users**.





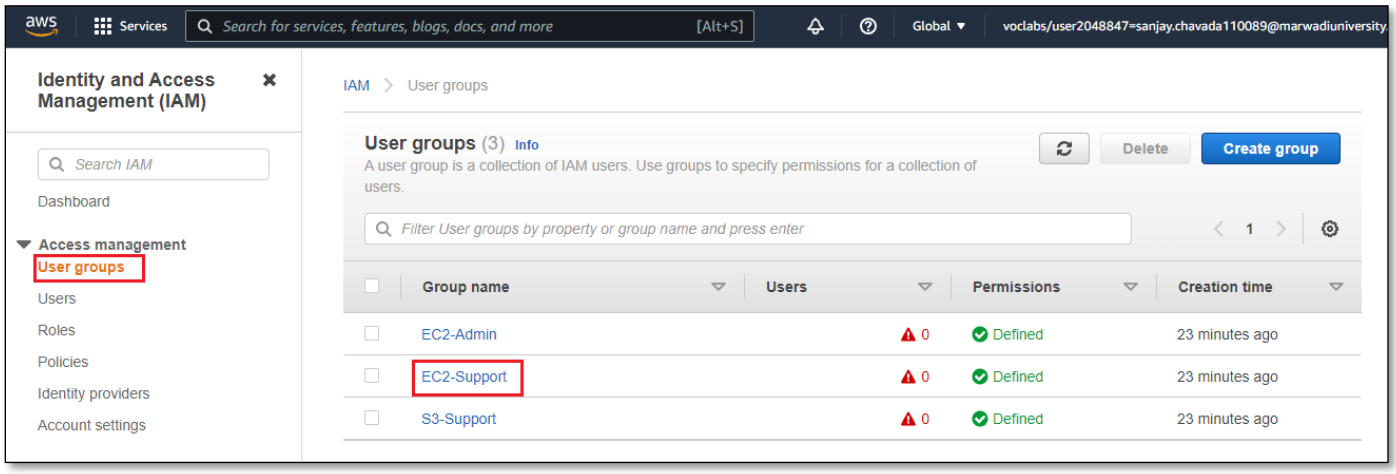


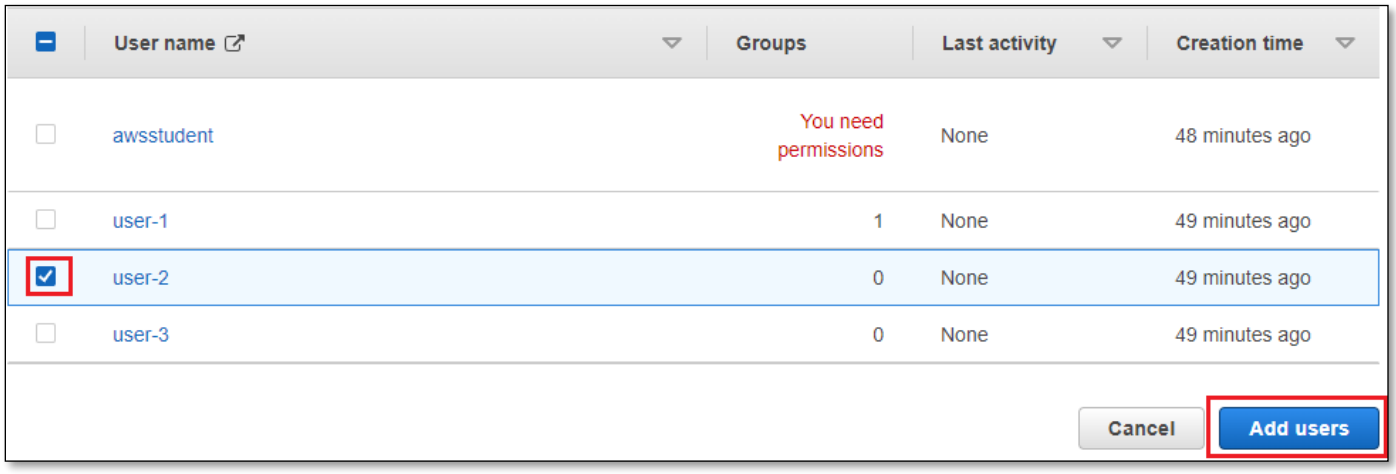
Add user-2 to the EC2-Support Group

You have hired **user-2** into a role where they will provide support for Amazon EC2.

11. Using similar steps to the ones above, add **user-2** to the **EC2-Support** group.

    user-2 should now be part of the **EC2-Support** group.





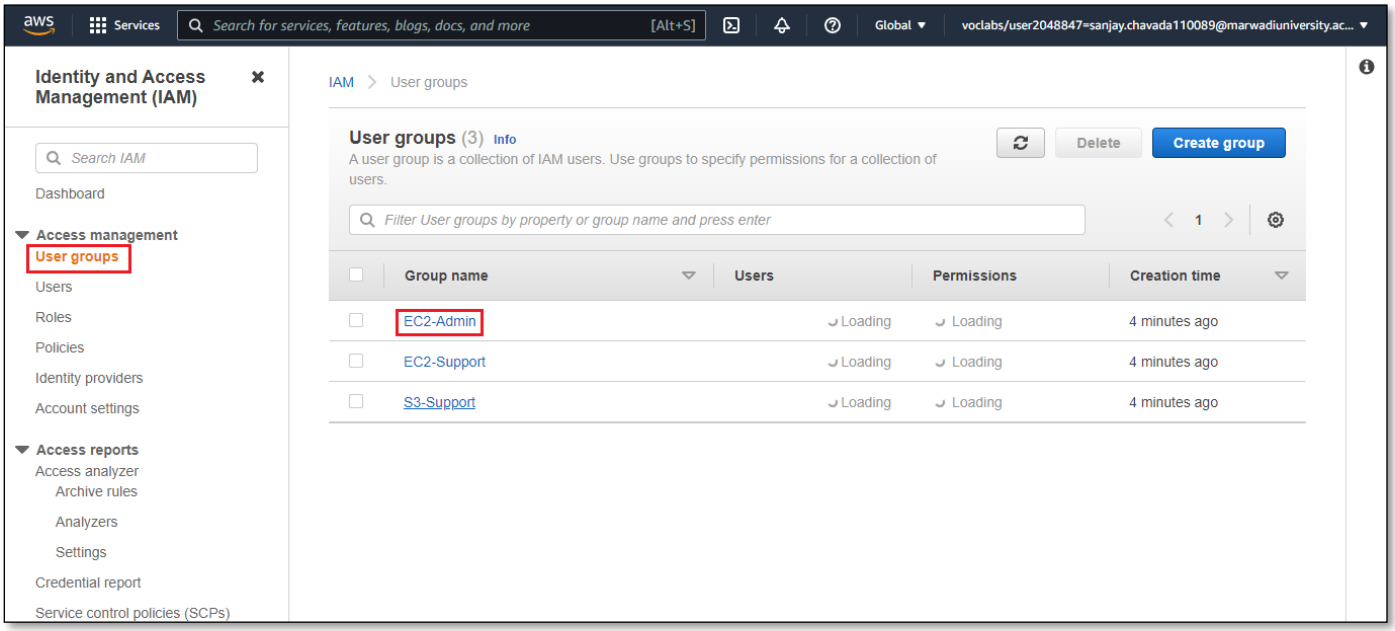
Add user-3 to the EC2-Admin Group

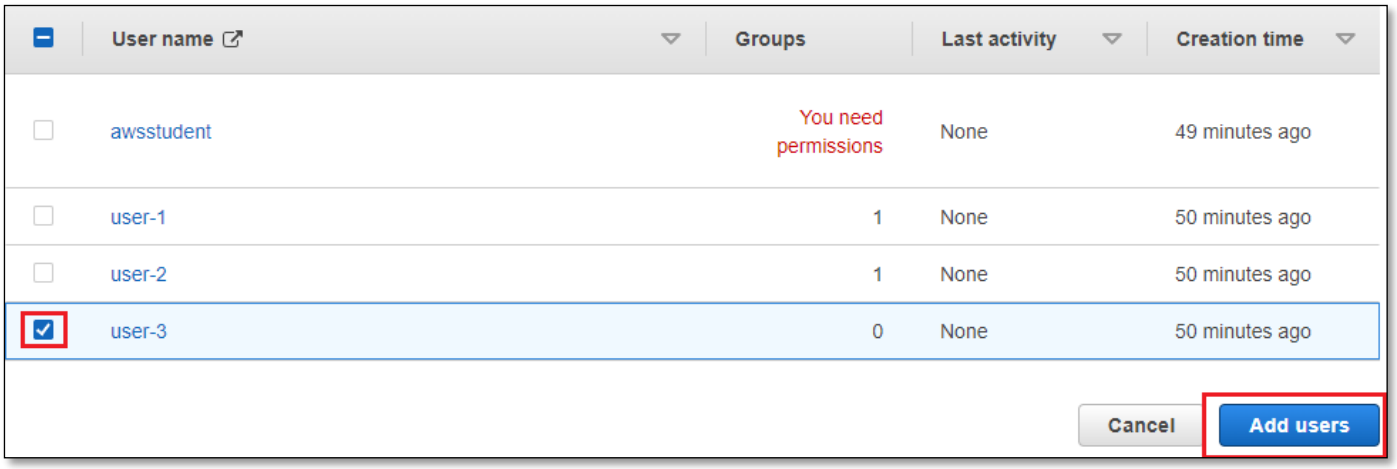
You have hired **user-3** as your Amazon EC2 administrator, who manage your EC2 instances.

12. Using similar steps to the ones above, add **user-3** to the **EC2-Admin** group.

    user-3 should now be part of the **EC2-Admin** group.

13. In the navigation pane on the left, choose **User groups**.

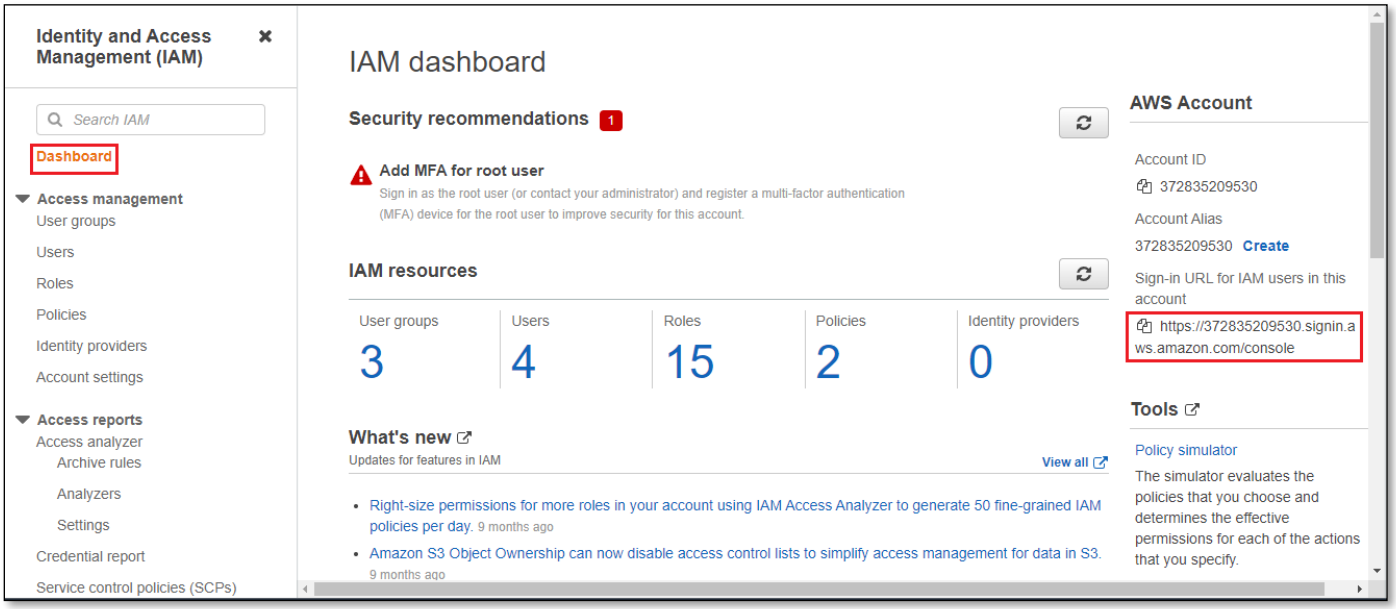




Task 3: Sign-In and Test Users

In this task, you will test the permissions of each IAM User.

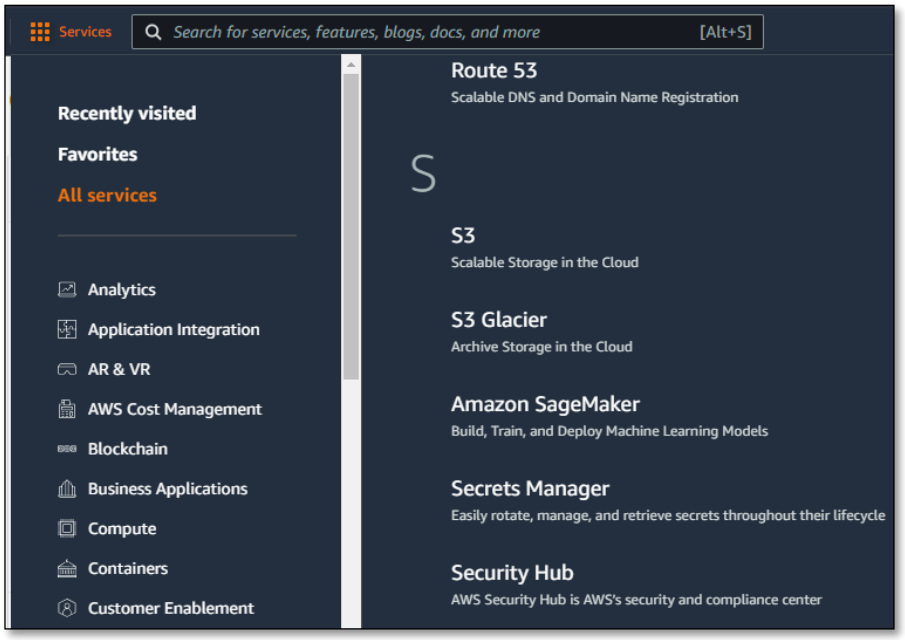
14. In the navigation pane on the left, choose **Dashboard**.
15. Copy the **Sign-in URL for IAM users in this account** to a text editor.



16. Open a private (Incognito) window.
17. Paste the **IAM users sign-in** link into the address bar of your private browser session and press **Enter**.

18. Sign-in with:
    - **IAM user name:** user-1
    - **Password:** Lab-Password1

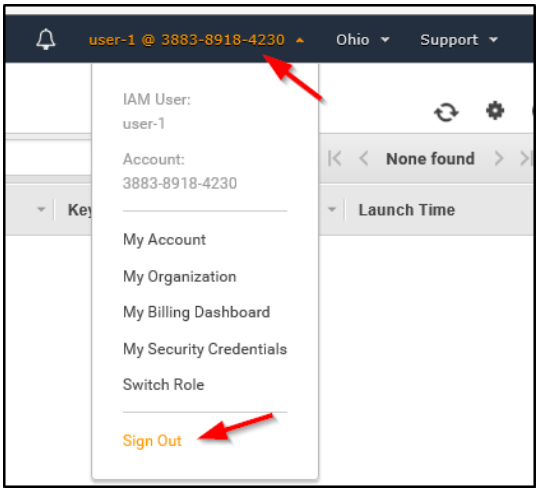
19. In the **Services** menu, choose **S3**.



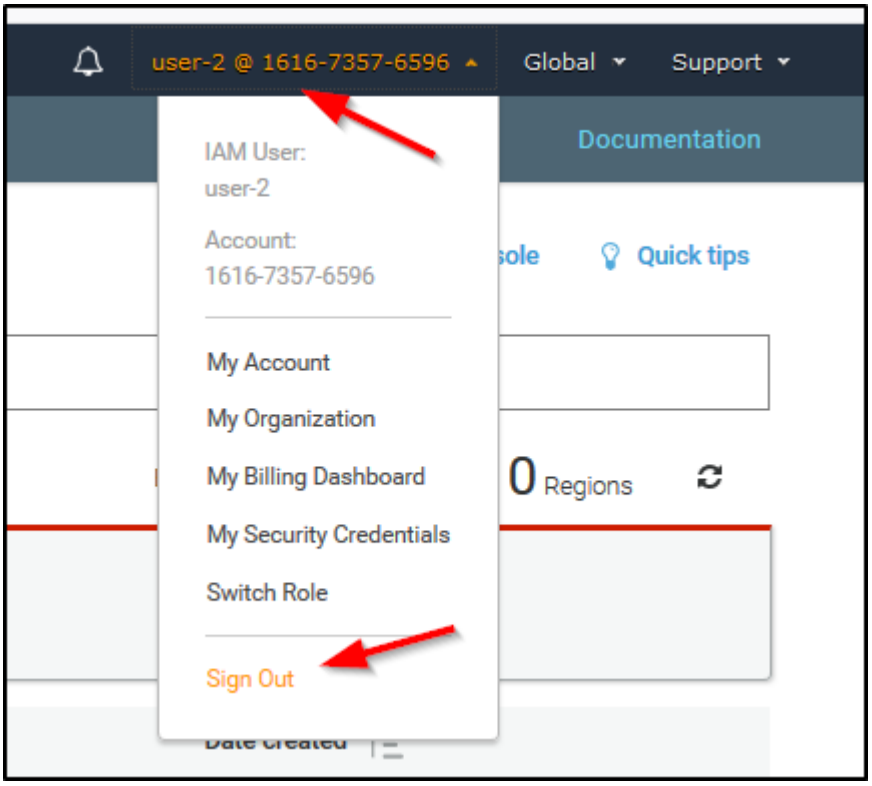
20. Choose the name of the bucket that exists in the account and browse the contents.

    Since your user is part of the **S3-Support** Group in IAM, they have permission to view a list of Amazon S3 buckets and the contents.

21. In the **Services** menu, choose **EC2**.
22. In the left navigation pane, choose **Instances**.
23. Sign user-1 out of the **AWS Management Console** by completing the following actions:
    - At the top of the screen, choose **user-1**
    - Choose **Sign Out**



24. Paste the **IAM users sign-in** link into your private browser tab's address bar and press **Enter**.
25. Sign-in with:
    - **IAM user name:** `user-2`
    - **Password:** `Lab-Password2`
26. In the **Services** menu, choose **EC2**.
27. In the navigation pane on the left, choose **Instances**.
28. In the **Instance state** menu above, select **Stop instance**.
29. In the **Stop Instance** window, select **Stop**.
30. Choose the X to close the *Failed to stop the instance* message.
31. In the **Services**, choose **S3**.
32. Sign user-2 out of the **AWS Management Console** by completing the following actions:
    - At the top of the screen, choose **user-2**
    - Choose **Sign Out**



33. Paste the **IAM users sign-in** link into your private window and press **Enter**.
34. Paste the sign-in link into the address bar of your private web browser tab again. If it is not in your clipboard, retrieve it from the text editor where you stored it earlier.
35. Sign-in with:
    - **IAM user name:** `user-3`
    - **Password:** `Lab-Password3`
36. In the **Services** menu, choose **EC2**.
37. In the navigation pane on the left, choose **Instances**.
38. In the **Instance state** menu, choose **Stop instance**.
39. In the **Stop instance** window, choose **Stop**.
40. Close your private browser window.