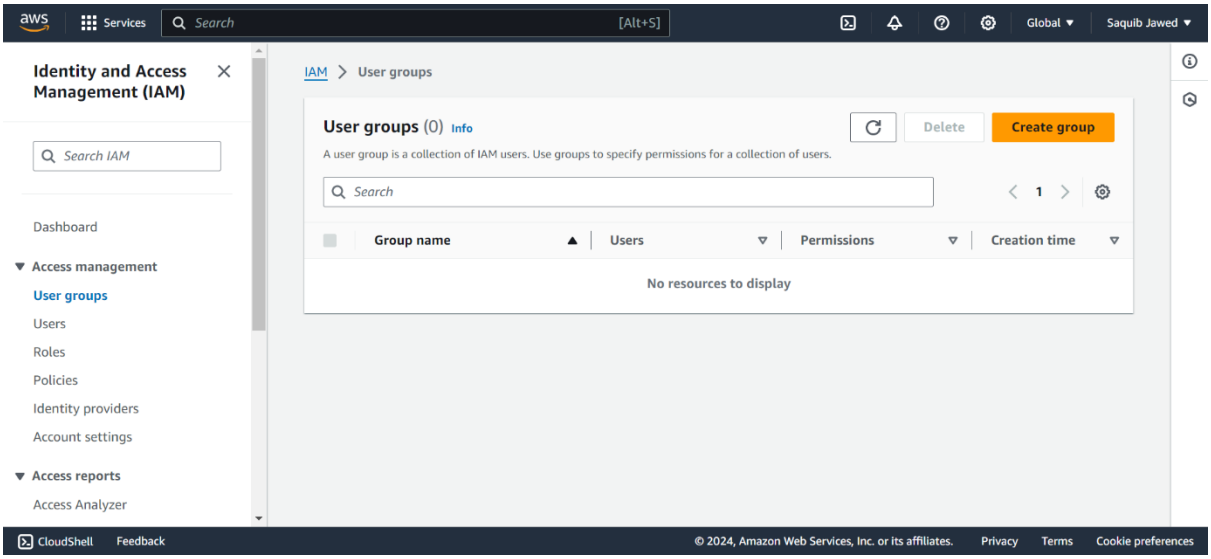
AWS IAM (Identity and Access Management)

IAM, which stands for Identity and Access Management, is a service provided by Amazon Web Services (AWS) that allows you to manage access to AWS resources securely. IAM enables you to control and configure permissions for users, groups, and roles within your AWS environment. It helps you set up and manage authentication and authorization, ensuring that only authorized entities have access to specific resources and actions.

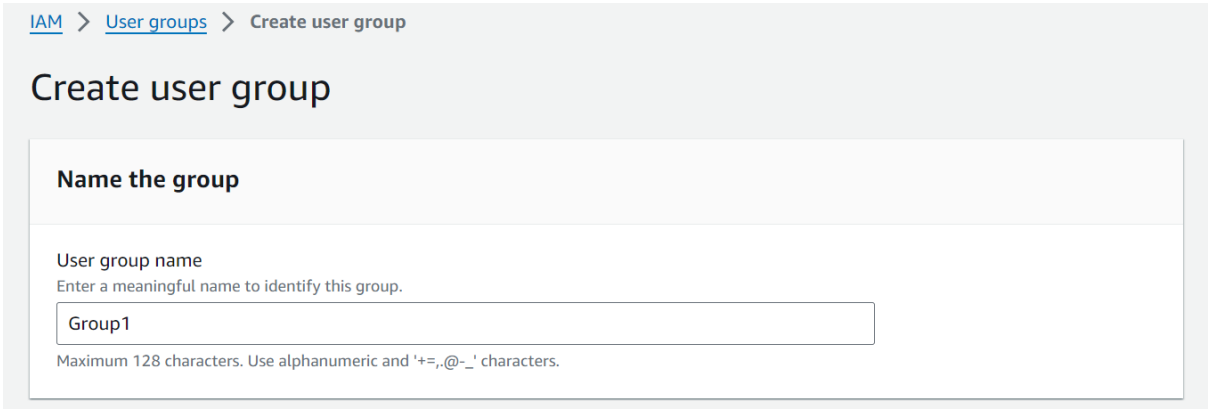
Objectives

- Create a User Group in IAM with Permissions policies.
- Create the Users.
- Add User in the Group.

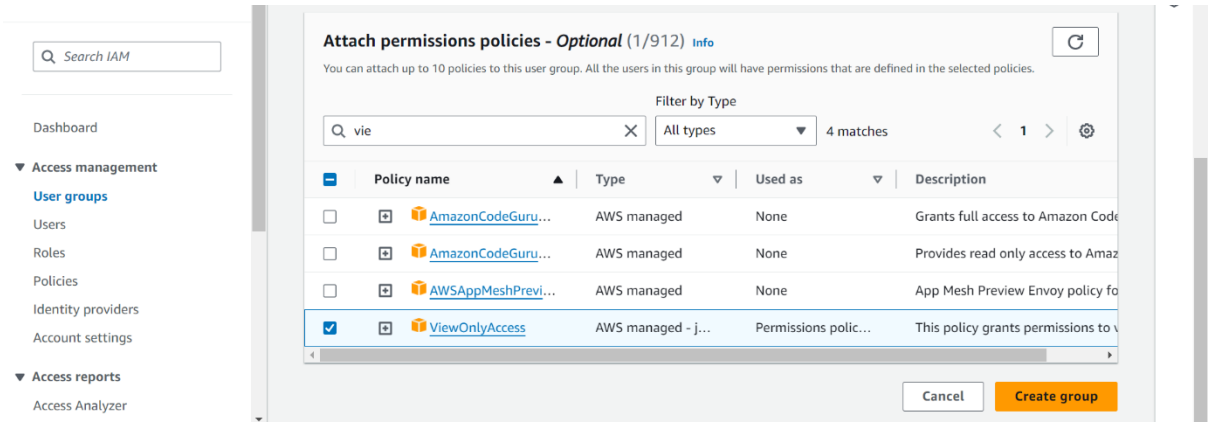
Task 1: Create a User Group in IAM with Permissions policies



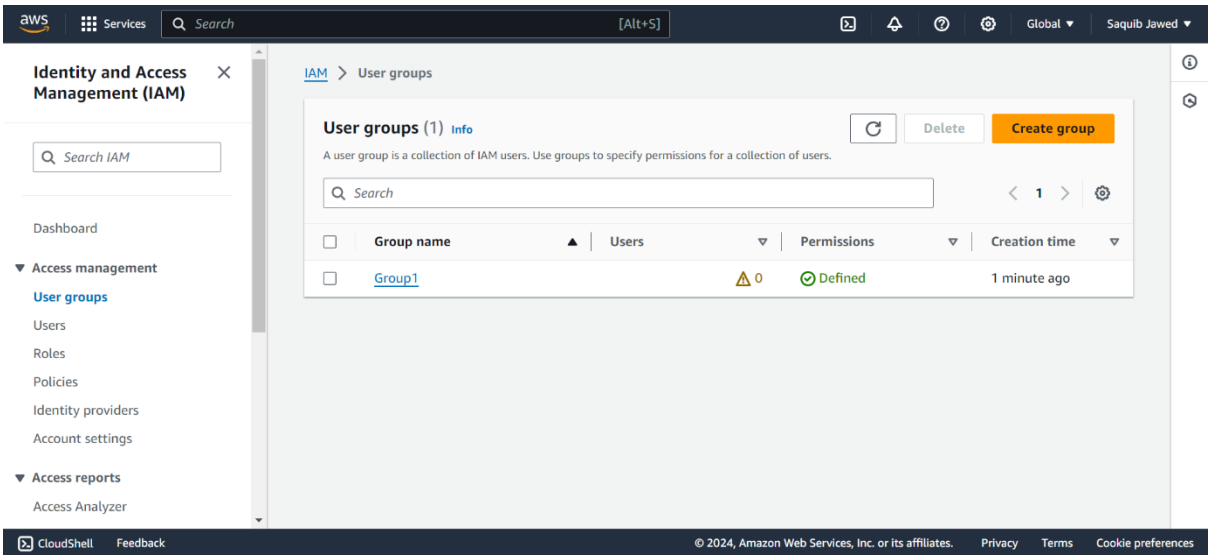
1. We will first go to the User Group page from the left navigation penal and click to **Create Group button** for creating a new group.



2. Give a **name** to the group.

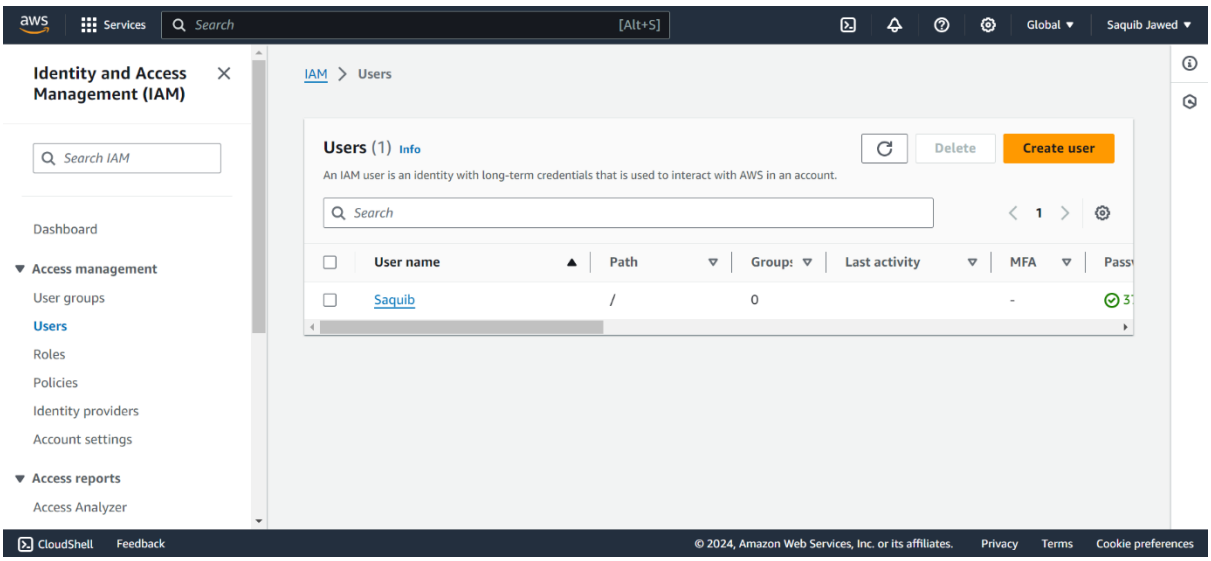


3. After that enter the name of the group and Attached the Permissions policies and then click **Create Group Button**.
   For Ex:- Select **ViewOnlyAccess** for only giving the read access.

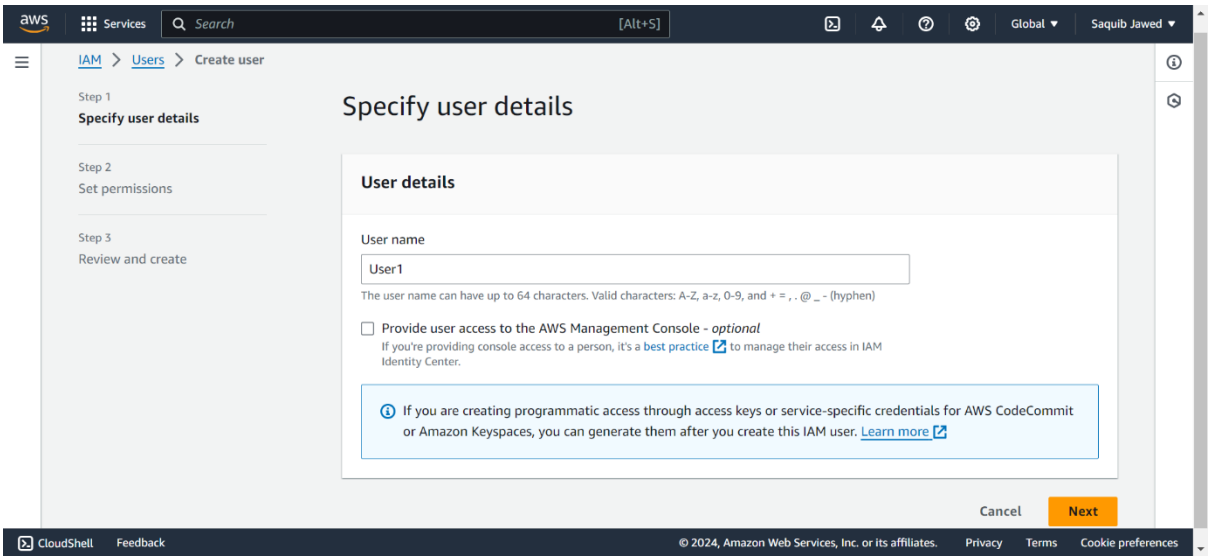


4. Now you can see your group name in the User Group Table, which means the group is created.

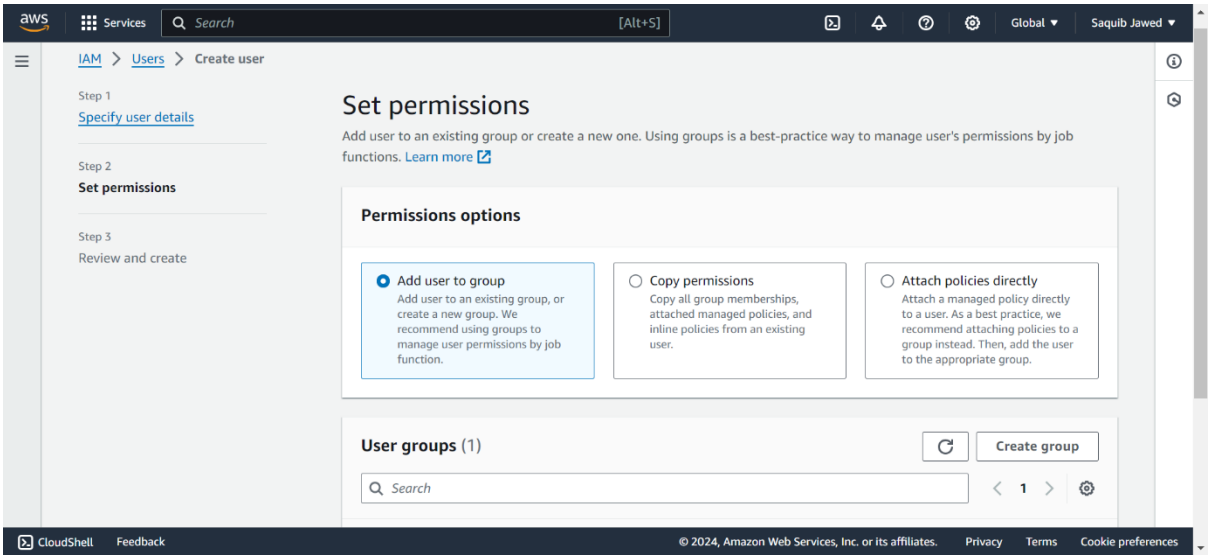
Task 2: Create the Users and Add the User to the Created Group



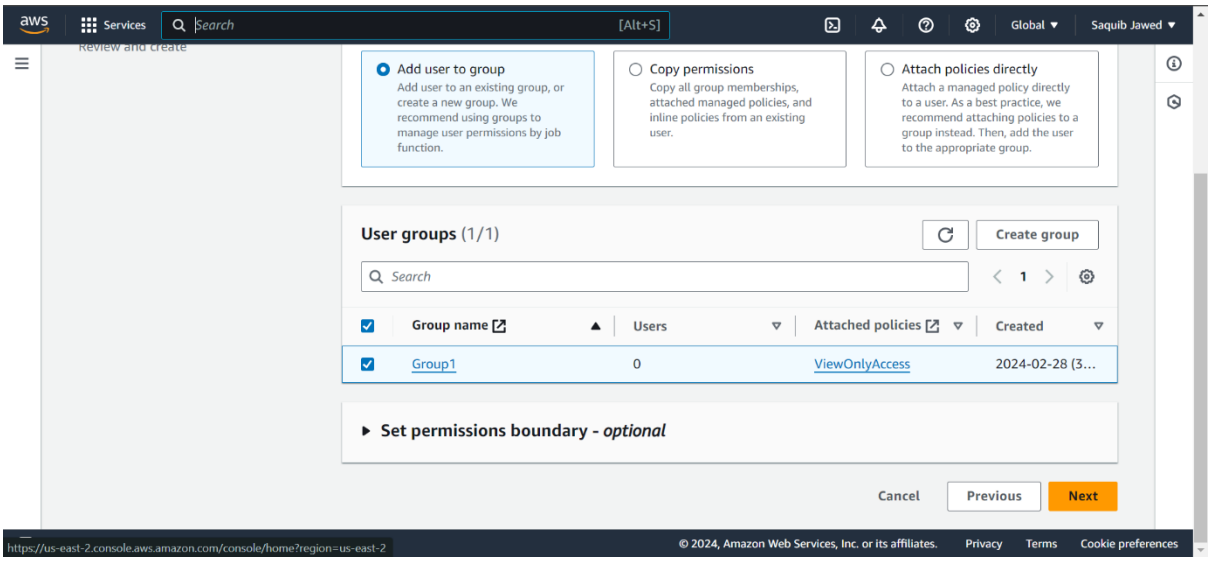
1. For creating an User we first go to the **User Interface** from the left navigation penal and click to **Create User button**.



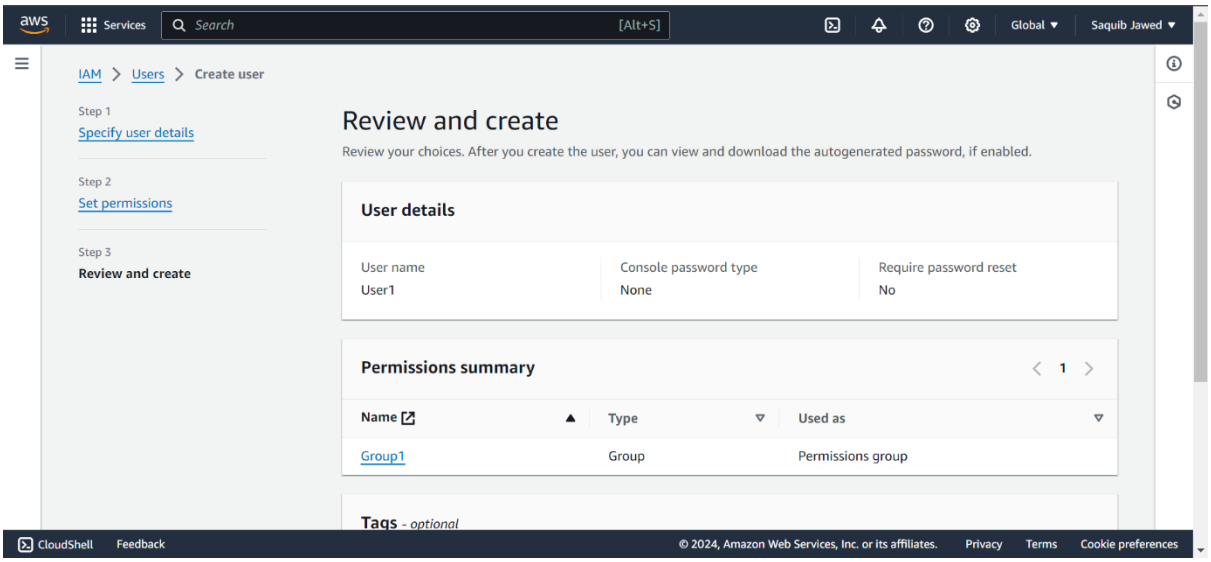
2. Give a **name** to the User and click Next Button.



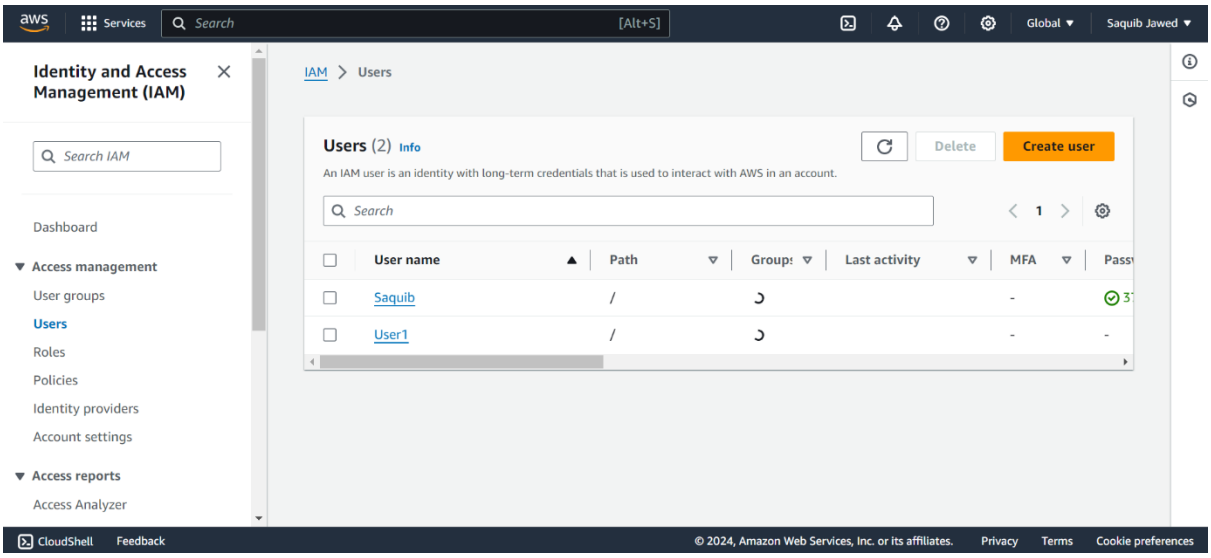
3. Select the Permission Option. As I am selecting **Add User To Group**.



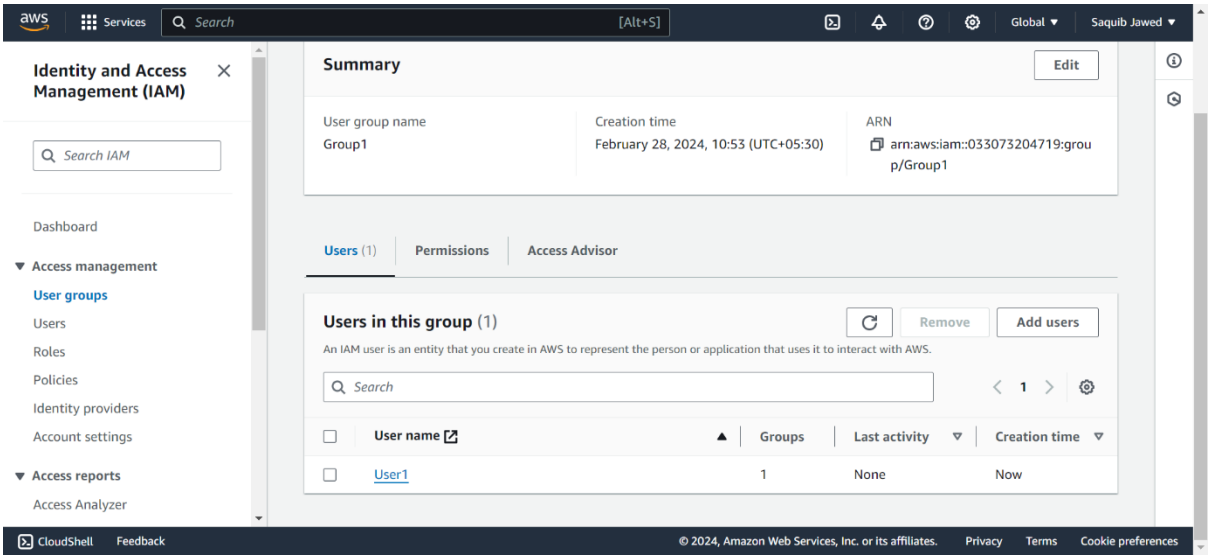
4. After selecting the Permission Option as Add User To Group, we have a option to **select the group** which we created earlier with a Attached Policy. After selection the group click on Next Button.



5. At this step just review the user details which we given and click on **Create User Button**.



6. Now, navigate to the Users Interface and check the User which created in the Users table. As, you can see that the user is created by the name **User1**.



7. After creating and adding the user to the group, you can check the user inside the group. As we have added the user in Group1, because of it **all the permissions which Group1 have will also assigned to User1.**