

IAM-Users-Assignment-1

Problem Statement:

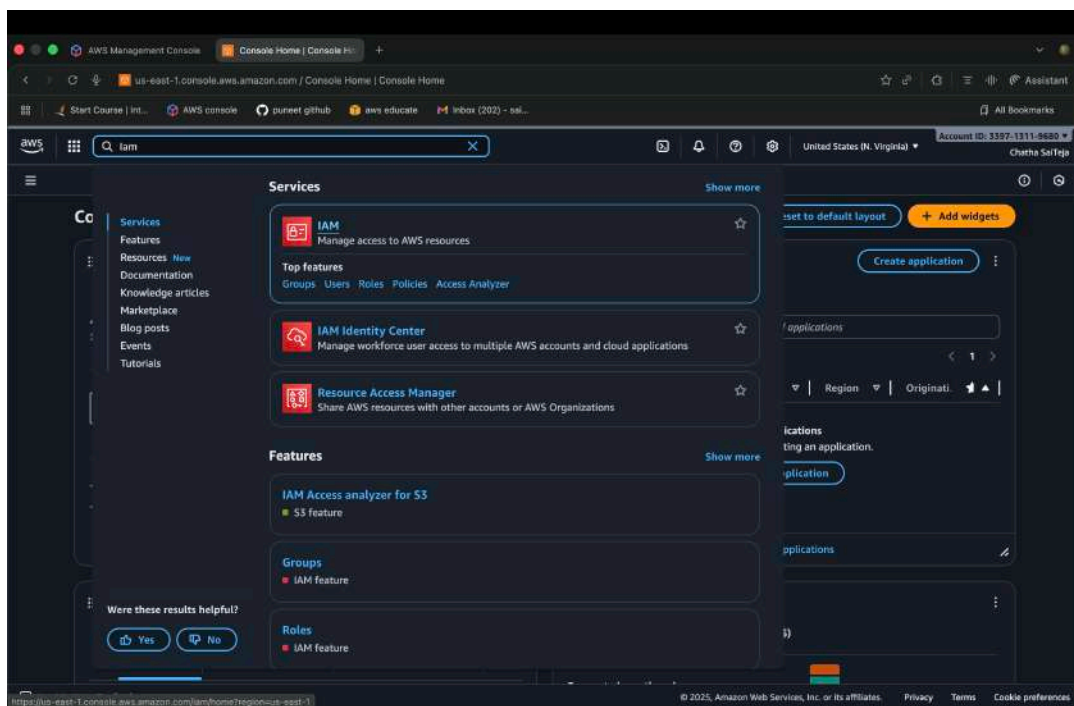
You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users.

Tasks To Be Performed:

1. Create 4 IAM users named “Dev1”, “Dev2”, “Test1” and “Test2”
2. Create 2 groups named “Dev Team” and “Ops Team”
3. Add Dev1 and Dev2 to the Dev Team.
4. Add Dev1, Test1 and Test2 to the Ops Team.

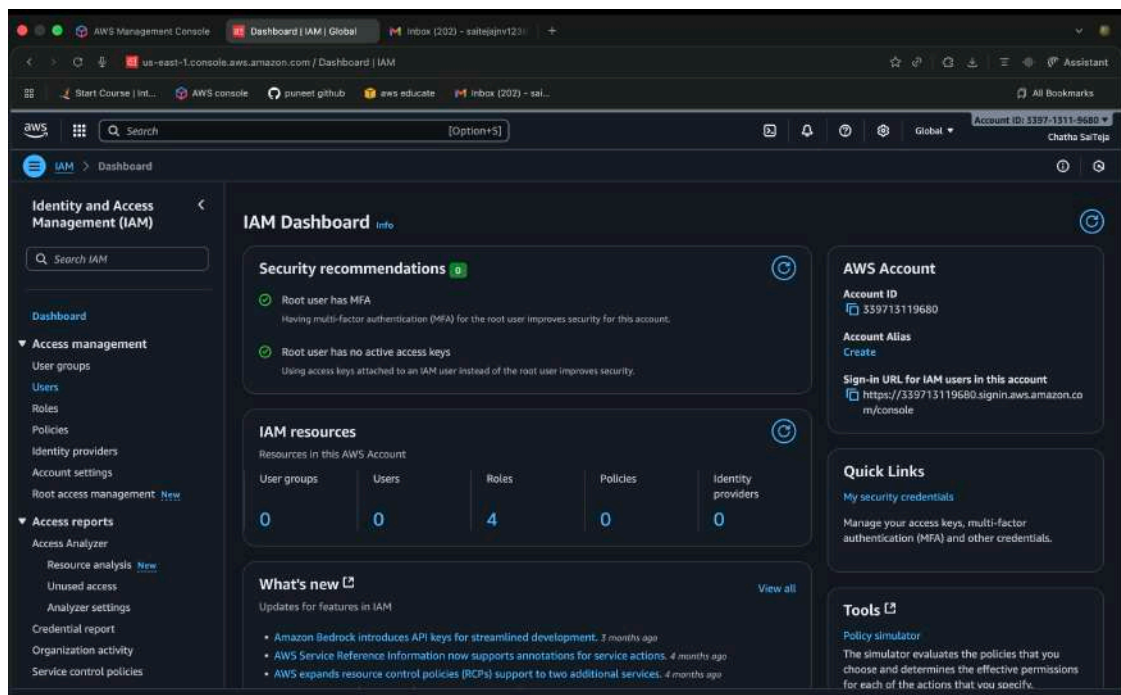
Step-By-Step Procedure:-

Step 1;- Go to AWS, Search for IAM service



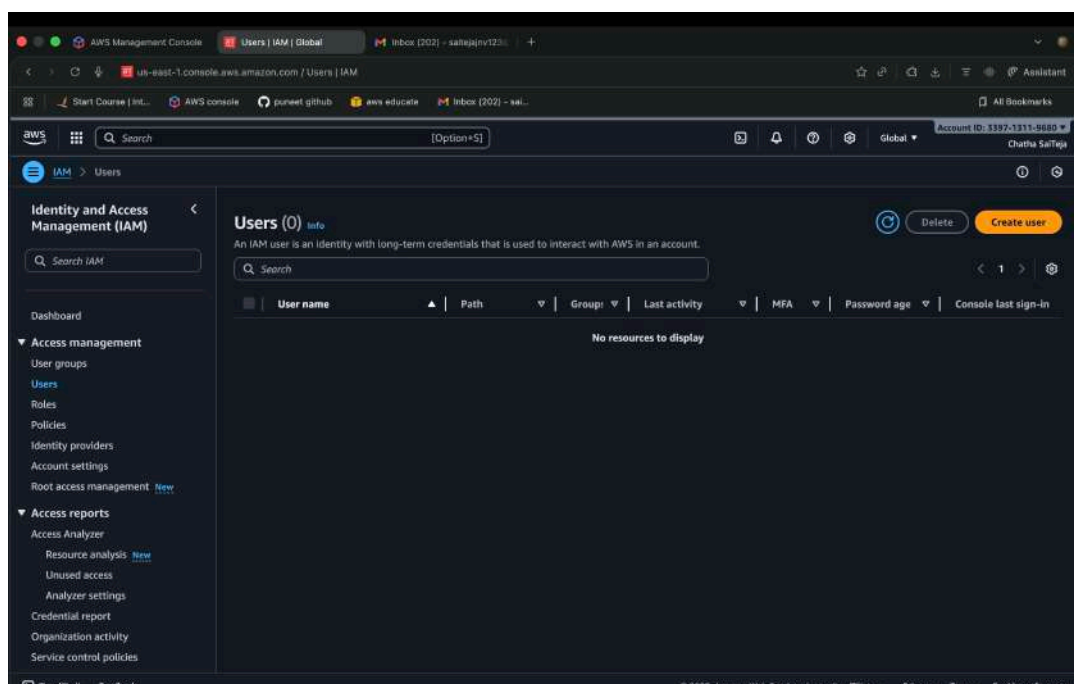
Search For IAM

Step 2;- After opening the IAM we can see users, groups, roles and policies in the Dashboard.



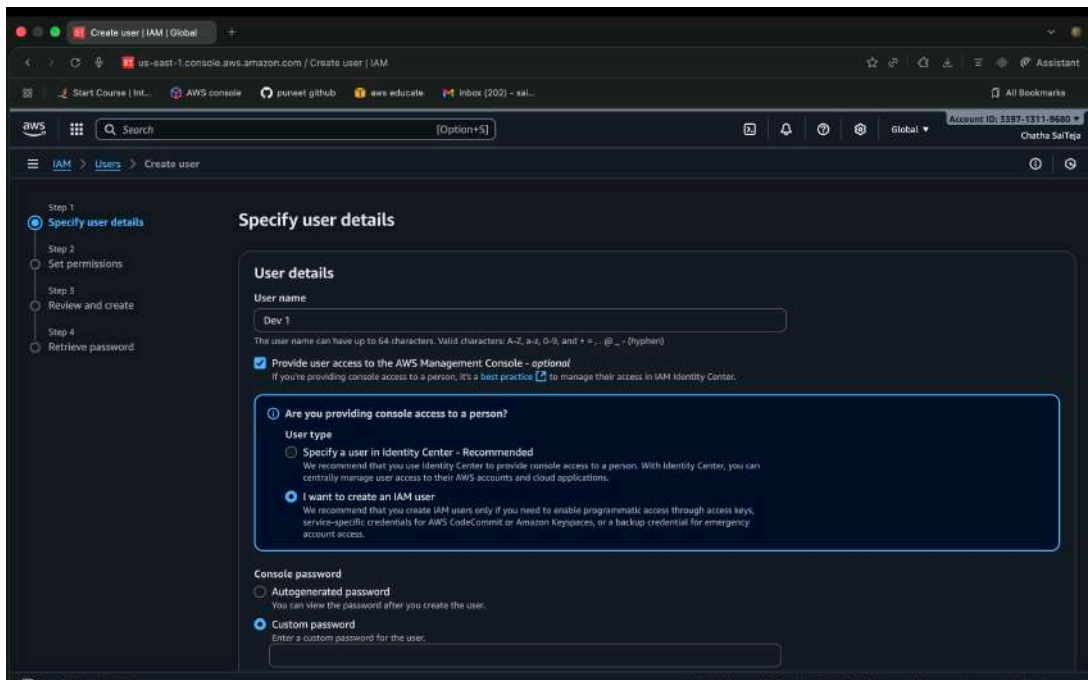
IAM Dashboard

Step 3;- Create 4 IAM Users named “Dev1”, “Dev2”, “Test1” and “Test2”, Now click On Create User.



Click On Create User

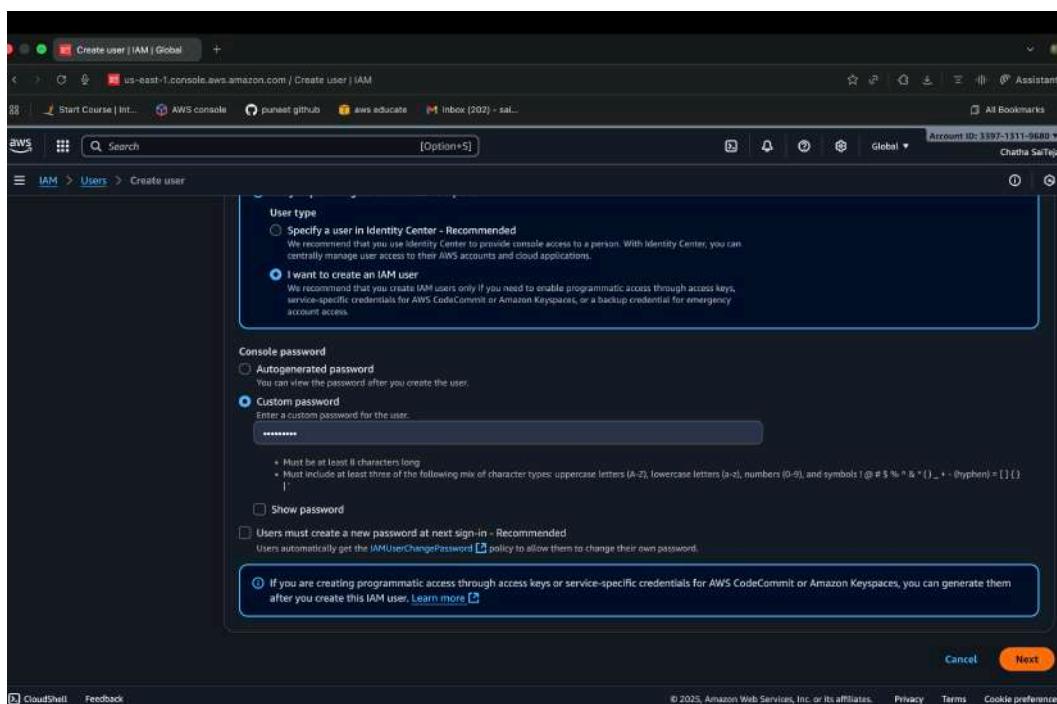
Step 4:- After Clicking on create user Specify the username(Dev 1) ,here we can give access to the Management console this can done by clicking the checkbox.



The screenshot shows the AWS IAM 'Create user' console. On the left, a sidebar lists steps: Step 1: Specify user details (selected), Step 2: Set permissions, Step 3: Review and create, and Step 4: Retrieve password. The main area is titled 'Specify user details'. Under 'User details', the 'User name' field contains 'Dev 1'. Below it, a checkbox labeled 'Provide user access to the AWS Management Console - optional' is checked. A section titled 'Are you providing console access to a person?' contains two options: 'Specify a user in Identity Center - Recommended' (unselected) and 'I want to create an IAM user' (selected). Under 'Console password', 'Autogenerated password' is unselected and 'Custom password' is selected. A text input field for the custom password is visible.

Specify Username

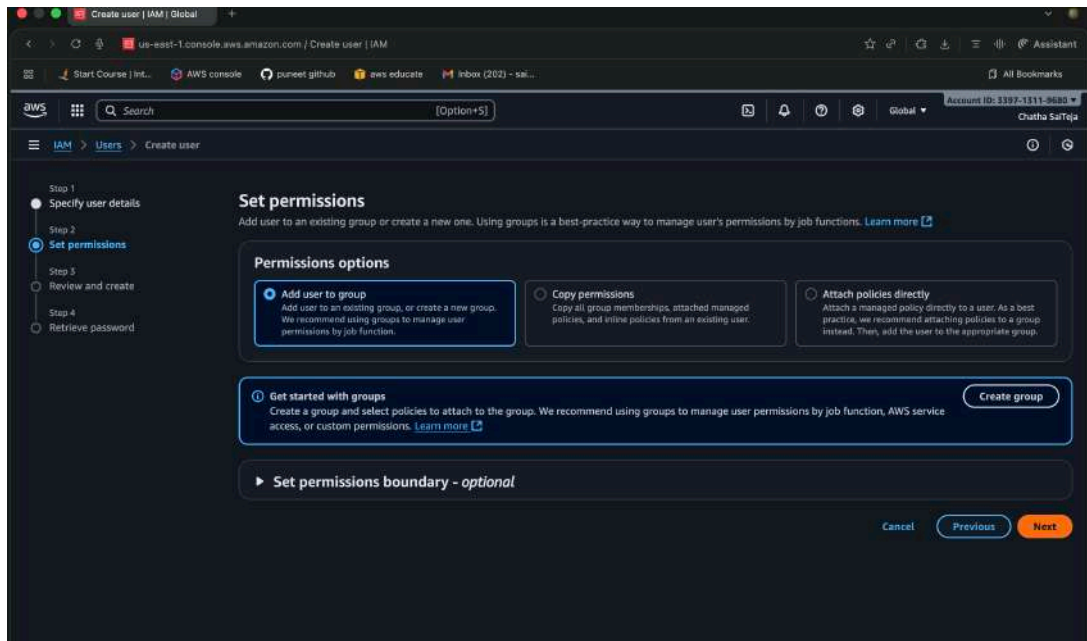
Step 5:- Here we have a option to give a password type ,recommended is custom password then click on “next”.



This screenshot shows the 'Console password' section of the 'Create user' console. The 'User type' section remains the same. In the 'Console password' section, 'Custom password' is selected. Below the selection, there is a password input field and a list of requirements: 'Must be at least 8 characters long' and 'Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols (!@#\$%^&*()_+ - (hyphen) = [] {})'. There are checkboxes for 'Show password' and 'Users must create a new password at next sign-in - Recommended'. At the bottom right, there are 'Cancel' and 'Next' buttons.

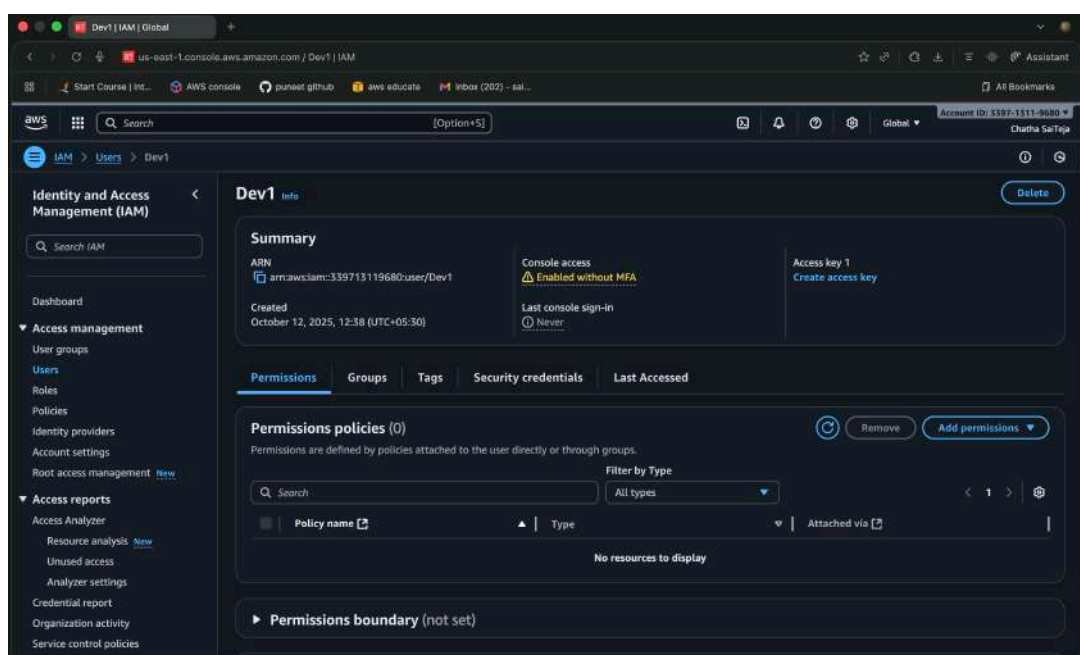
Console Password

Step 6:- Now we have to set the permissions, for setting up we have three options - “Add user to group” , “Copy Permissions” ,”Attach policies directly”,so no we didn’t provide any permissions for now we proceed to next step.



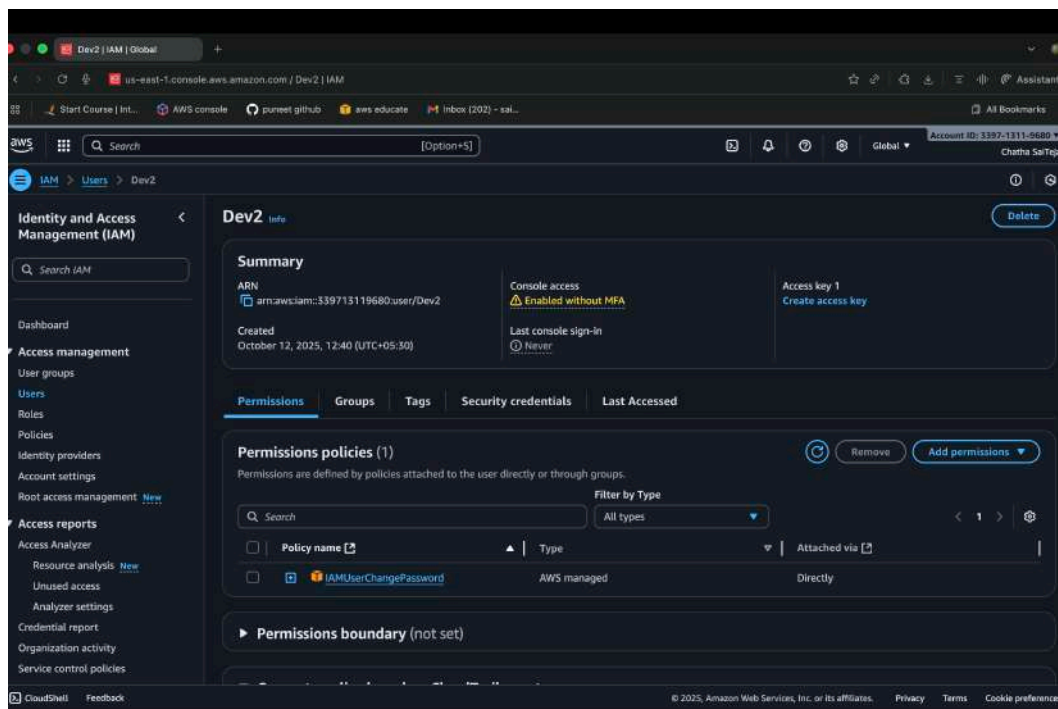
Set permissions

Step 7:- the next step is to review an create then click on “create user”, by clicking user Dev1 will created with no permissions.

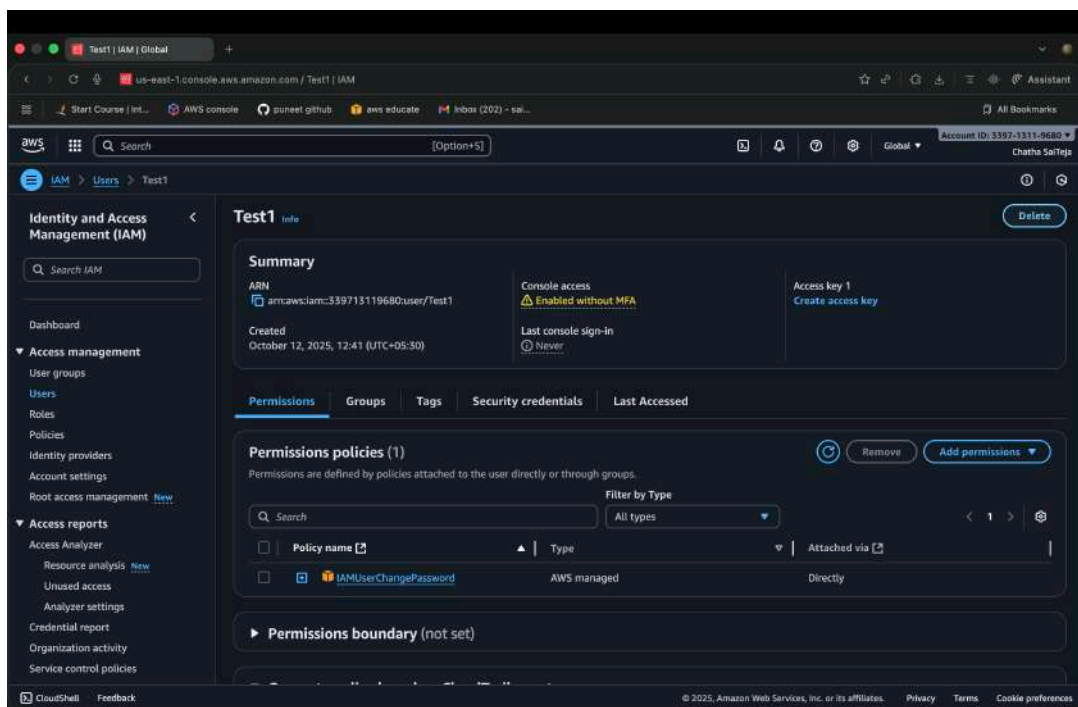


Dev1

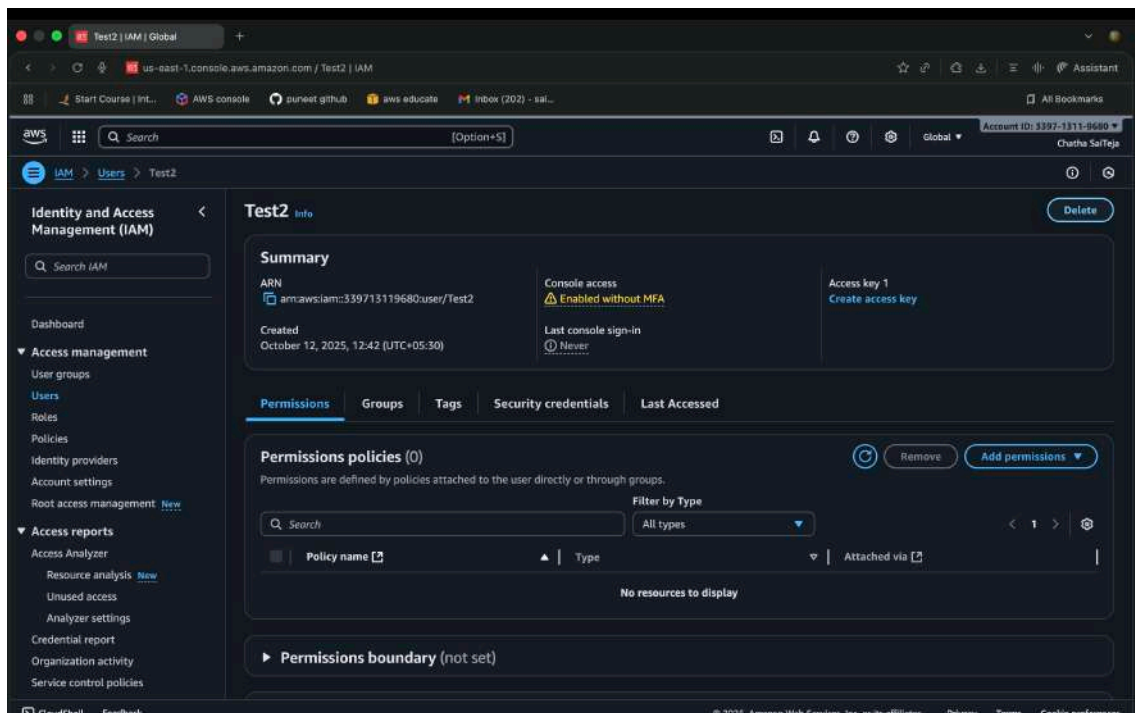
Step 8:- Now we have to create 3 more IAM users-“Dev2”,“Test1” and “Test2” same as “Dev1”



Dev2

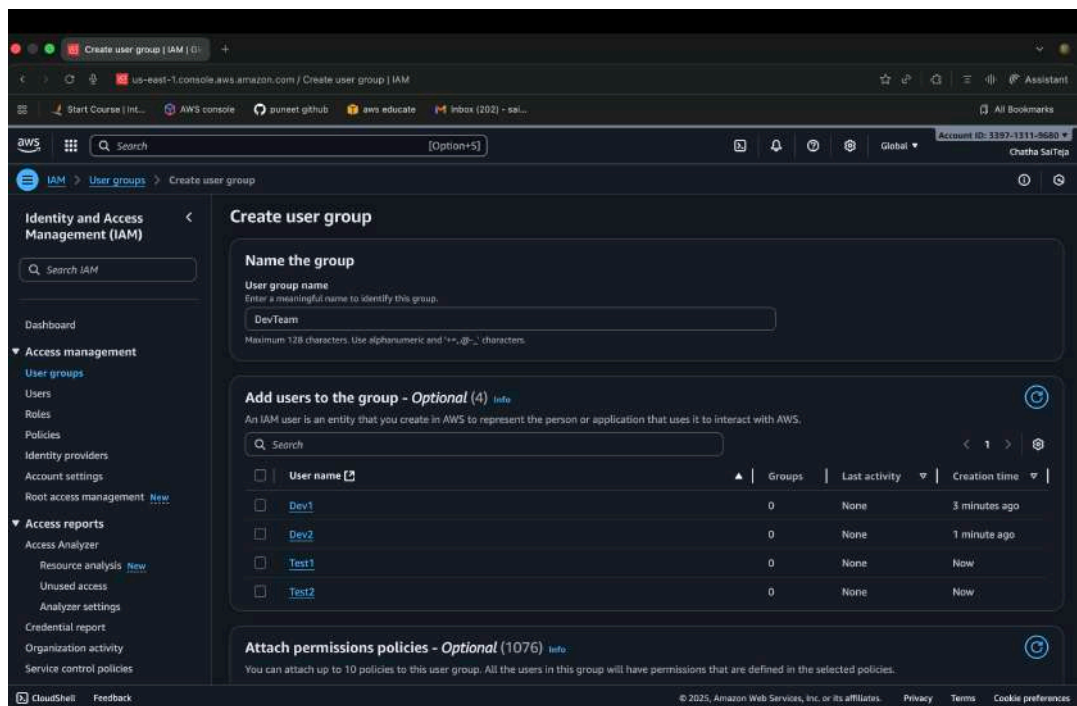


Test1

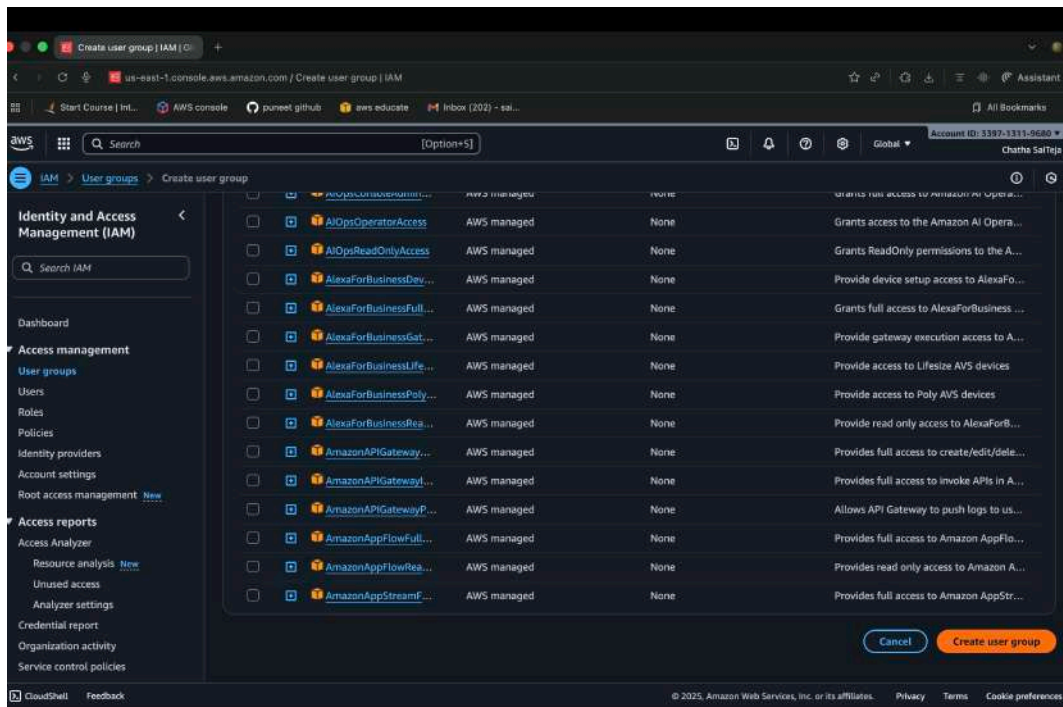


Test2

Step 9:- we have to create two user groups - “DevTeam”, ”OpsTeam” , now we are creating DevTeam by providing the name and other details click on create user group.

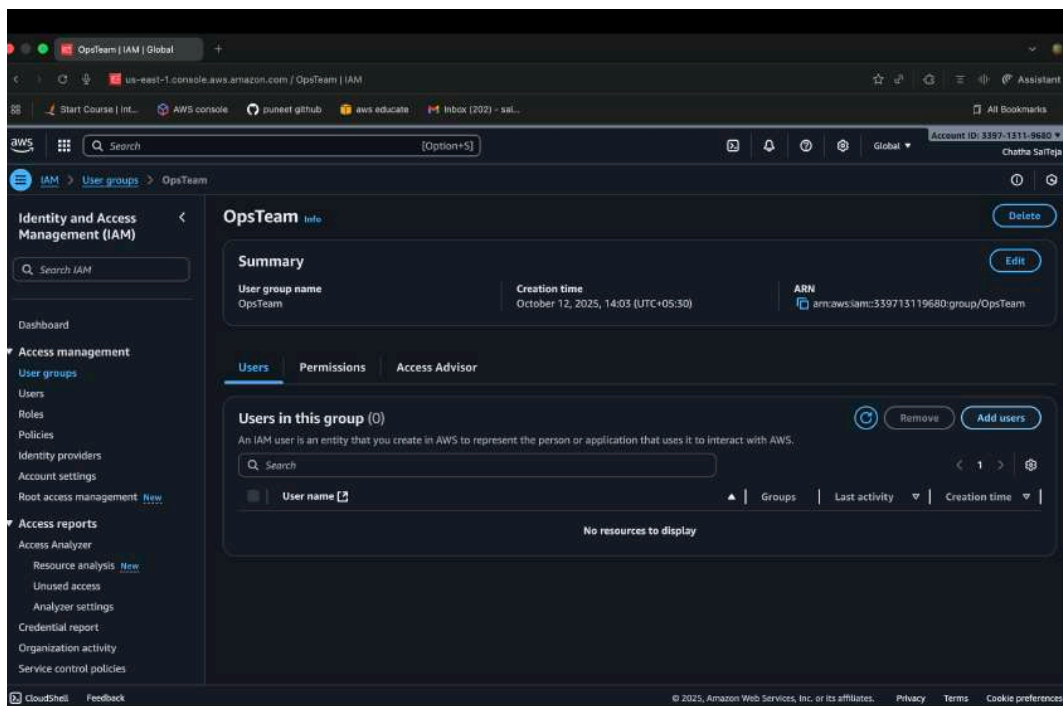


Specify details of User group (DevTeam)



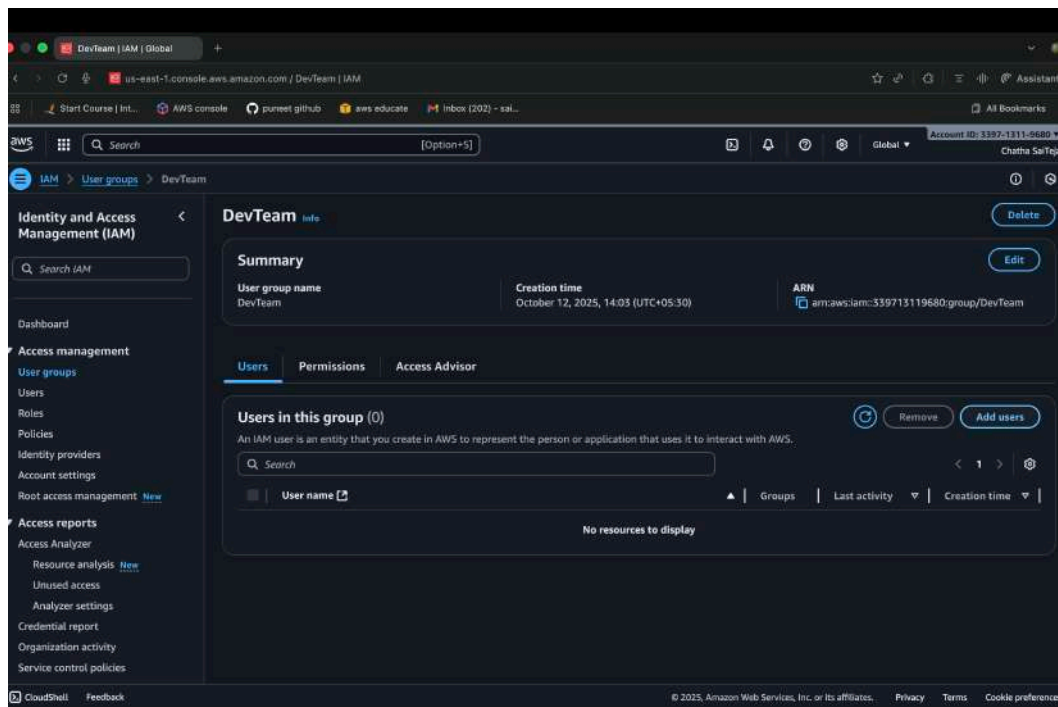
Click on create user group

Step 10:- Create another user group - OpsTeam this is same as above step.

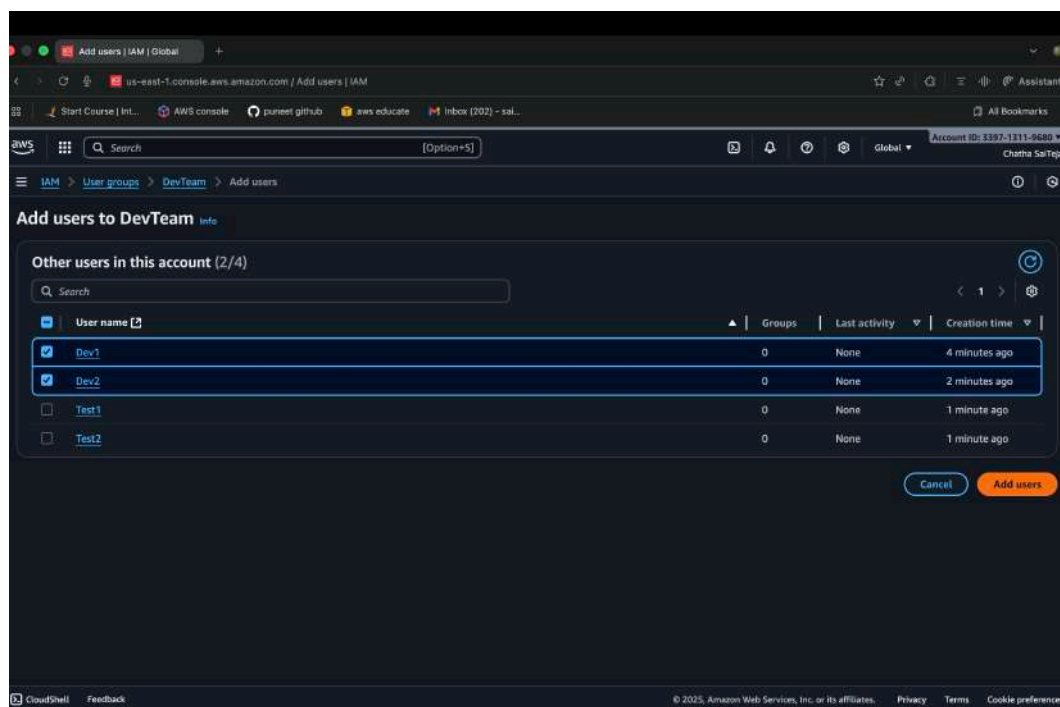


OpsTeam User group

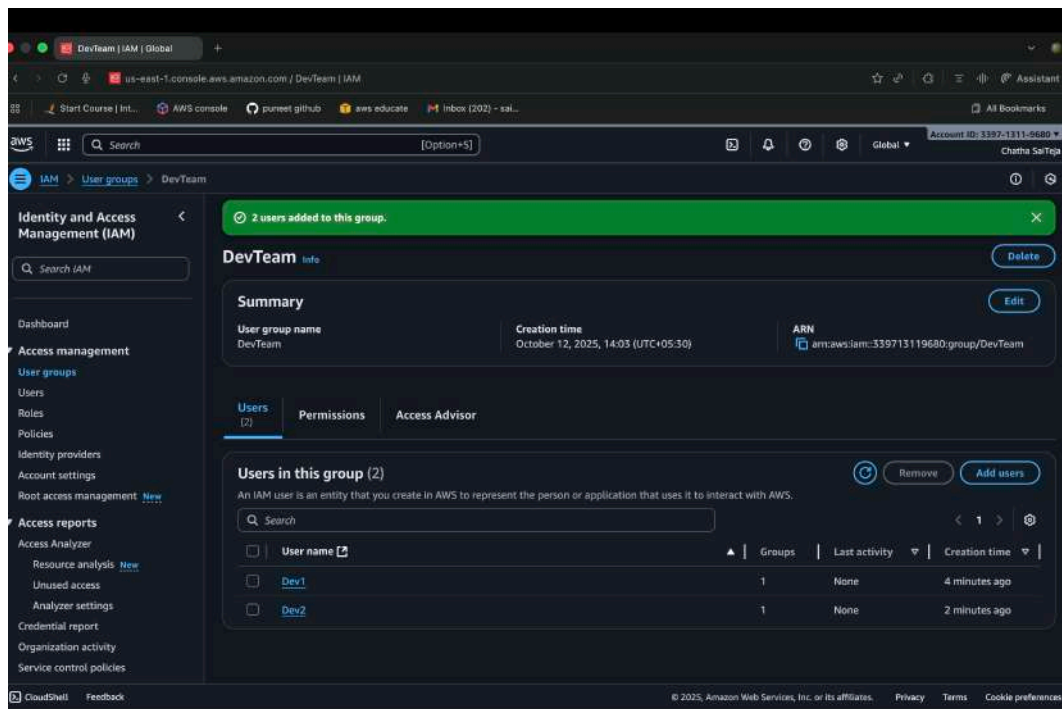
Step 11:- Now we have to add Users to user group (DevTeam) ,first we have to open the DevTeam then we can see the users, permissions on down ,click on "Add users" then we can see all 4 IAM Users we created, from 4 IAM Users select Dev1,Dev2 to DevTeam user group.



Click on Add users

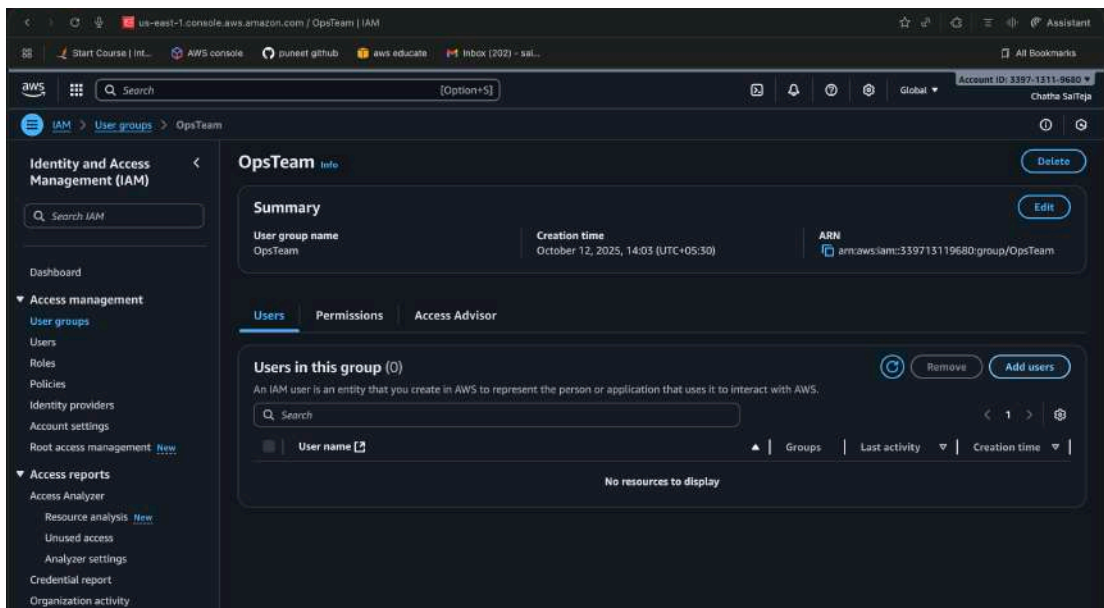


Adding Users (Dev1,Dev2) to DevTeam

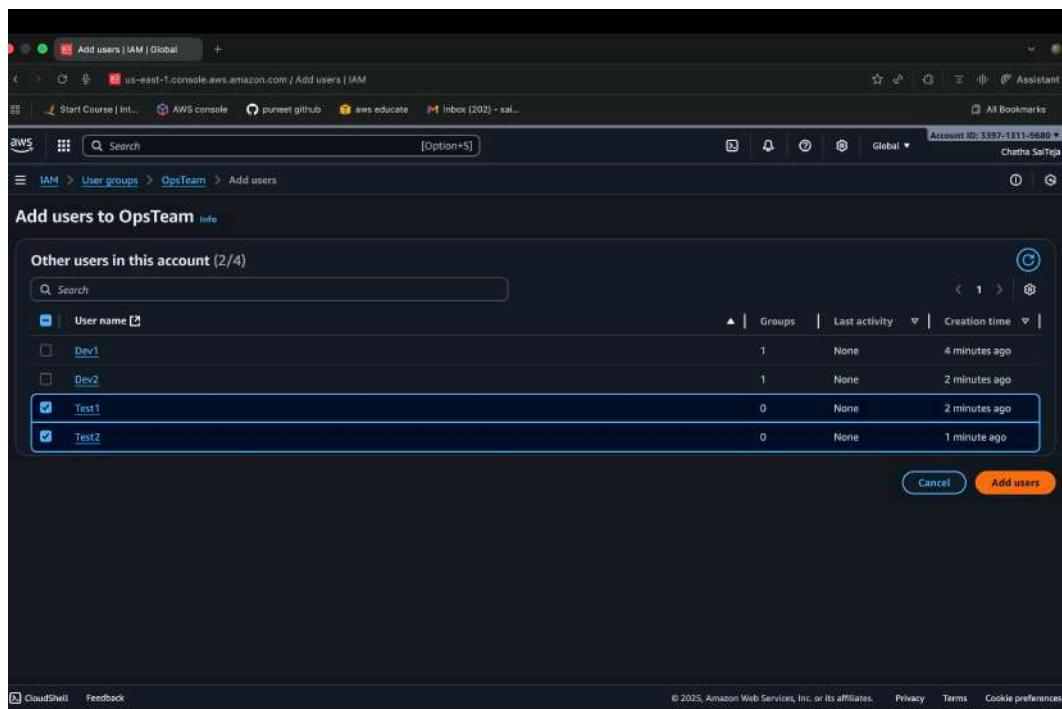


2 users added to the group

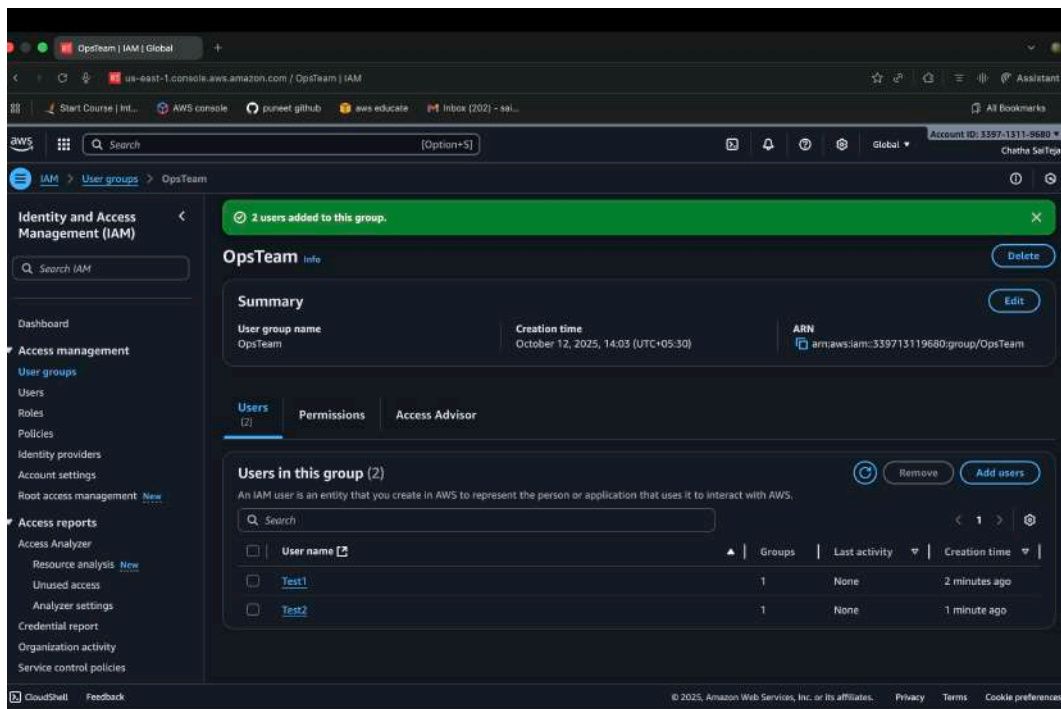
Step 12:- Lets add another two users to OpsTeam user group as same as above step.



Click On Add users



Adding Users(Test1,Test2) to OpsTeam



2 users added to the OpsTeam User group

Step13:- In this Assignment we created 4 IAM users- “Dev1”, “Dev2”, “Test1” and “Test2”, and created 2 User groups- “Dev Team” and “Ops Team” then we added “Dev1”, “Dev2” to DevTeam and “Test1” and “Test2” to OpsTeam