

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.

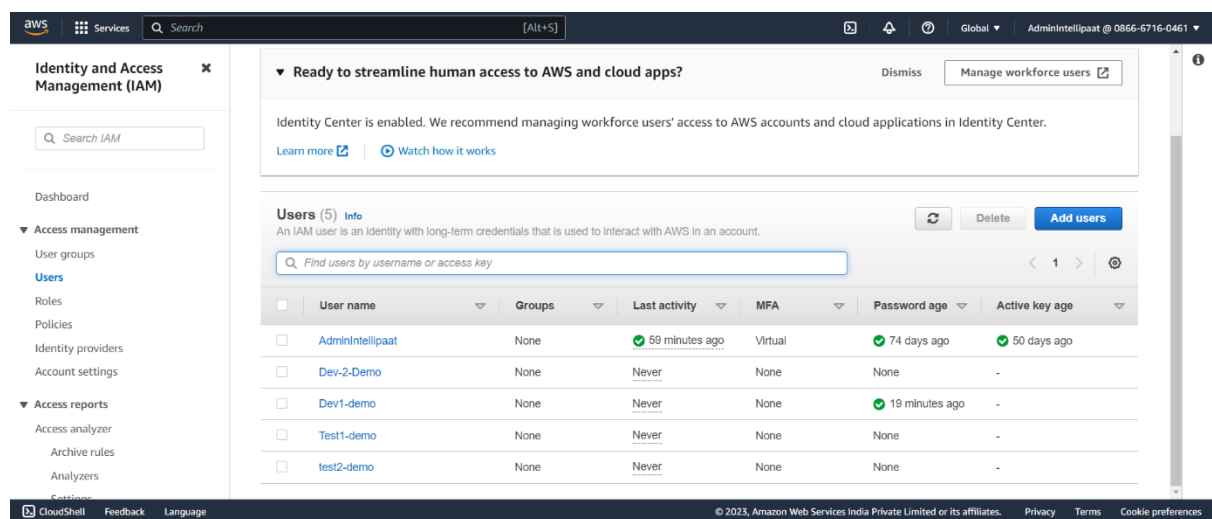
Tasks To Be Performed:

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.

Solution

Creation of users

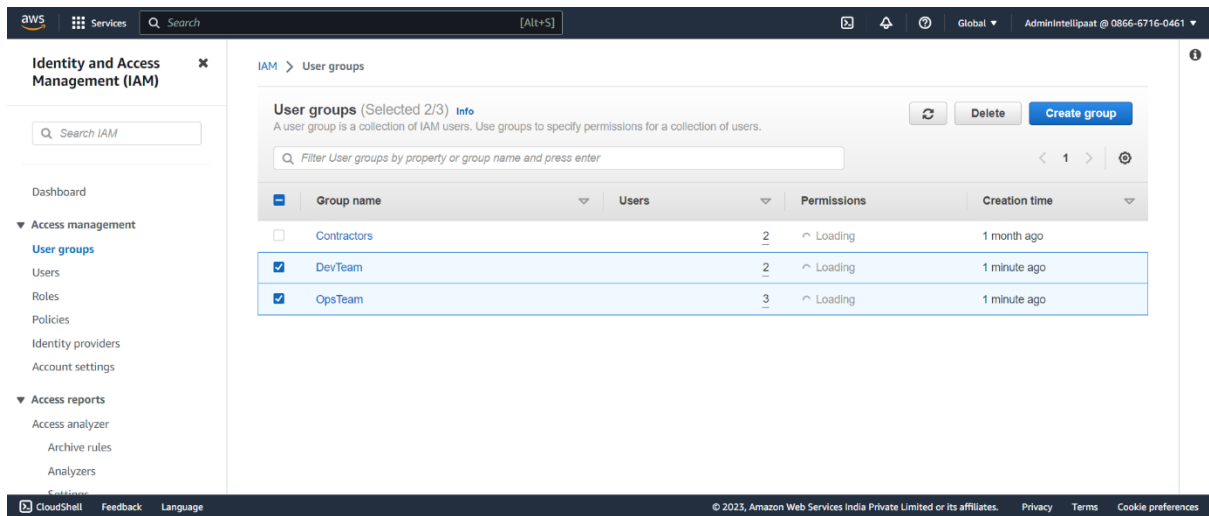
Go to Management Console → Search IAM → User → Add user → Give the username → Tick the option 'Provide user access to the AWS Management Console' → select the option "I want to create an IAM user" → Console password (here we will get two options, select the option which you want) → Next → Permission option (optional) → Add tags → Create user.



Creation of Groups

Click on user groups → Create Group → Named the group → Add users to the group as per requirement → Attach permission (optional) → Create Group

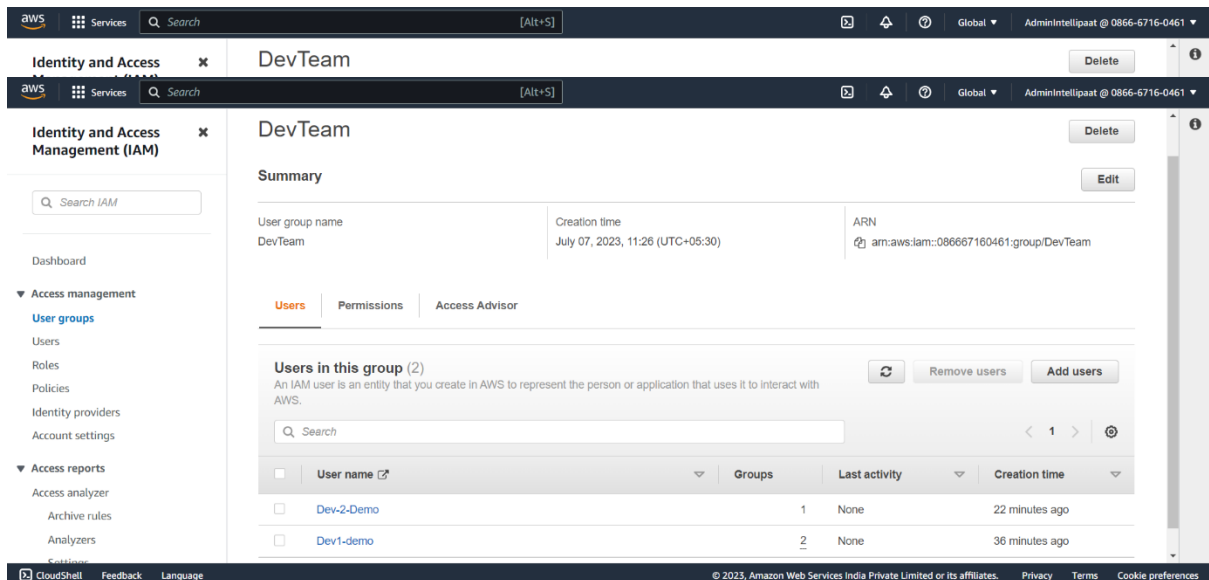
RESULTS



The screenshot shows the AWS IAM console's 'User groups' page. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, User groups, Users, Roles, Policies, Identity providers, Account settings, Access reports, Access analyzer, Archive rules, and Analyzers. The main content area shows a list of user groups. The 'DevTeam' and 'OpsTeam' groups are selected, indicated by blue checkboxes. The table below shows the details of these groups.

Group name	Users	Permissions	Creation time
Contractors	2	Loading	1 month ago
DevTeam	2	Loading	1 minute ago
OpsTeam	3	Loading	1 minute ago

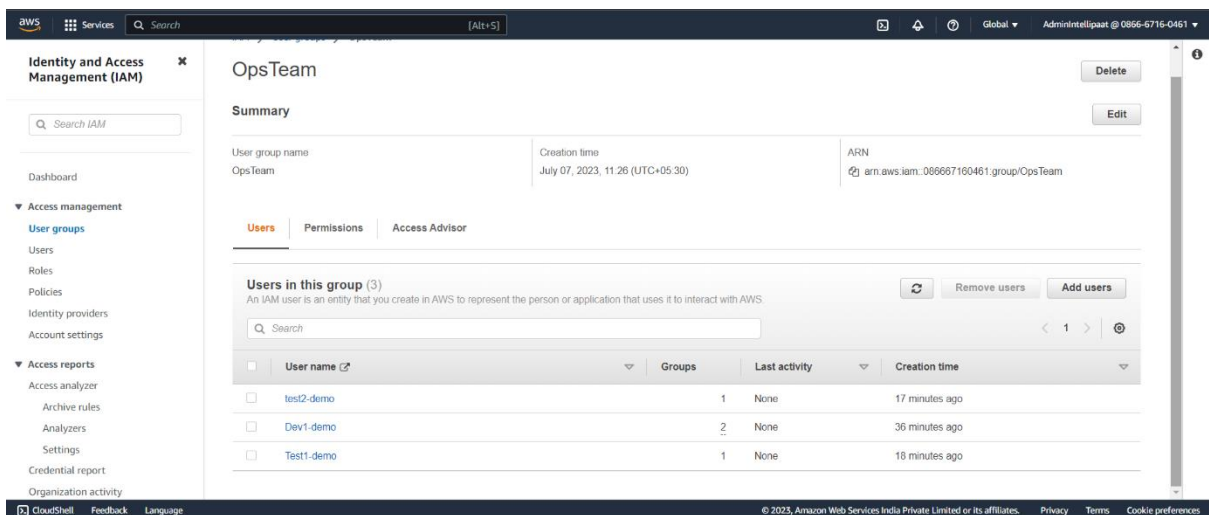
Fig- Creation of groups



The screenshot shows the AWS IAM console's 'DevTeam' group details page. The left sidebar is the same as the previous screenshot. The main content area shows the 'Summary' tab for the 'DevTeam' group. The 'Users' tab is selected, showing a list of users in the group. The table below shows the details of these users.

User name	Groups	Last activity	Creation time
Dev-2-Demo	1	None	22 minutes ago
Dev1-demo	2	None	36 minutes ago

Fig- Users in DevTeam



The screenshot shows the AWS IAM console's 'OpsTeam' group details page. The left sidebar is the same as the previous screenshot. The main content area shows the 'Summary' tab for the 'OpsTeam' group. The 'Users' tab is selected, showing a list of users in the group. The table below shows the details of these users.

User name	Groups	Last activity	Creation time
test2-demo	1	None	17 minutes ago
Dev1-demo	2	None	36 minutes ago
Test1-demo	1	None	18 minutes ago