

IAM-Users-Assignment-1

Problem Statement:

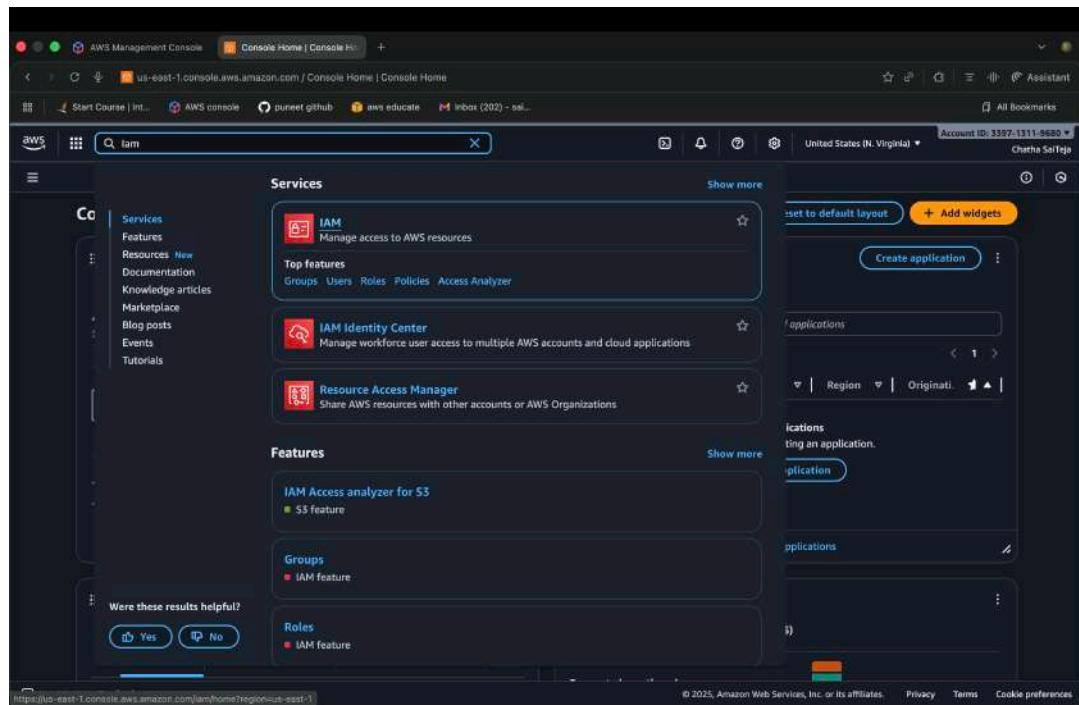
You work for XYZ Corporation. To maintain the security of the AWS account and the resources you have been asked to implement a solution that can help easily recognize and monitor the different users.

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.

The screenshot shows the AWS Management Console IAM Dashboard. On the left, a sidebar lists various IAM management options like User groups, Users, Roles, Policies, and Access reports. The main area is titled 'IAM Dashboard' and contains three main sections: 'Security recommendations' (with two green checkmarks), 'IAM resources' (showing 0 user groups, 0 users, 4 roles, 0 policies, and 0 identity providers), and 'What's new' (listing recent AWS updates). To the right, there are boxes for 'AWS Account' (Account ID: 539715119680, Account Alias: Create, Sign-in URL: https://339715119680.signin.aws.amazon.com/console), 'Quick Links' (My security credentials, Policy simulator), and 'Tools' (Policy simulator).

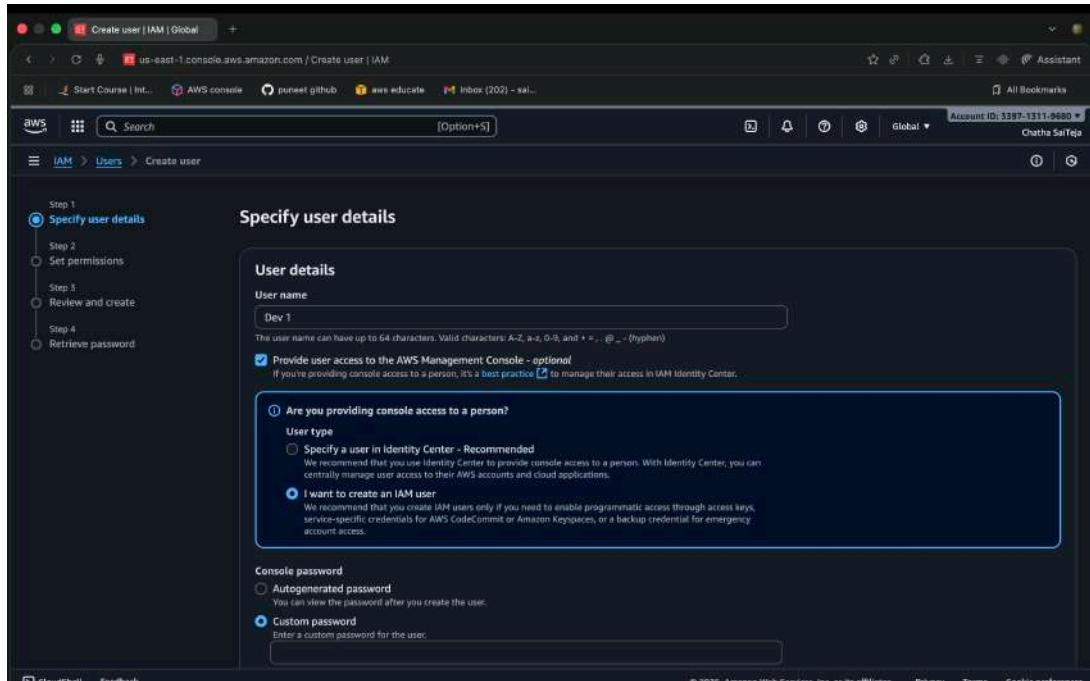
IAM Dashboard

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

The screenshot shows the 'Users' page in the AWS IAM console. The sidebar is identical to the previous dashboard. The main area is titled 'Users (0) Info' and states 'An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.' Below this is a search bar and a table header with columns: User name, Path, Group, Last activity, MFA, Password age, and Console last sign-in. A message 'No resources to display' is shown below the table. At the top right of the main area, there are 'Create user' and 'Delete' buttons.

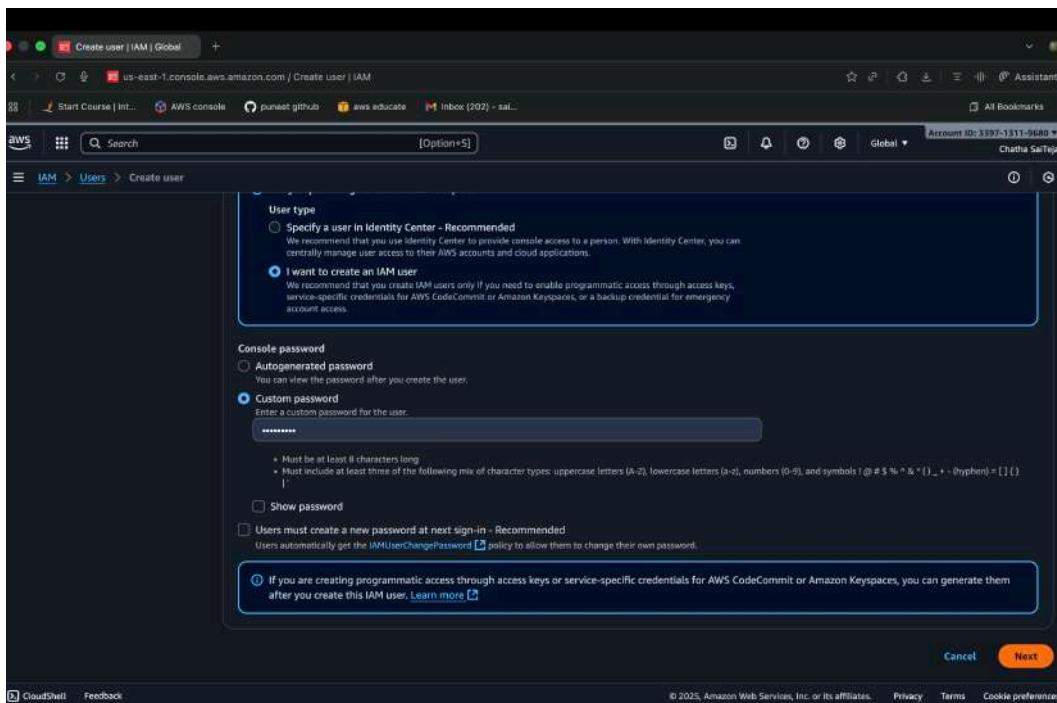
Click On Create User

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.



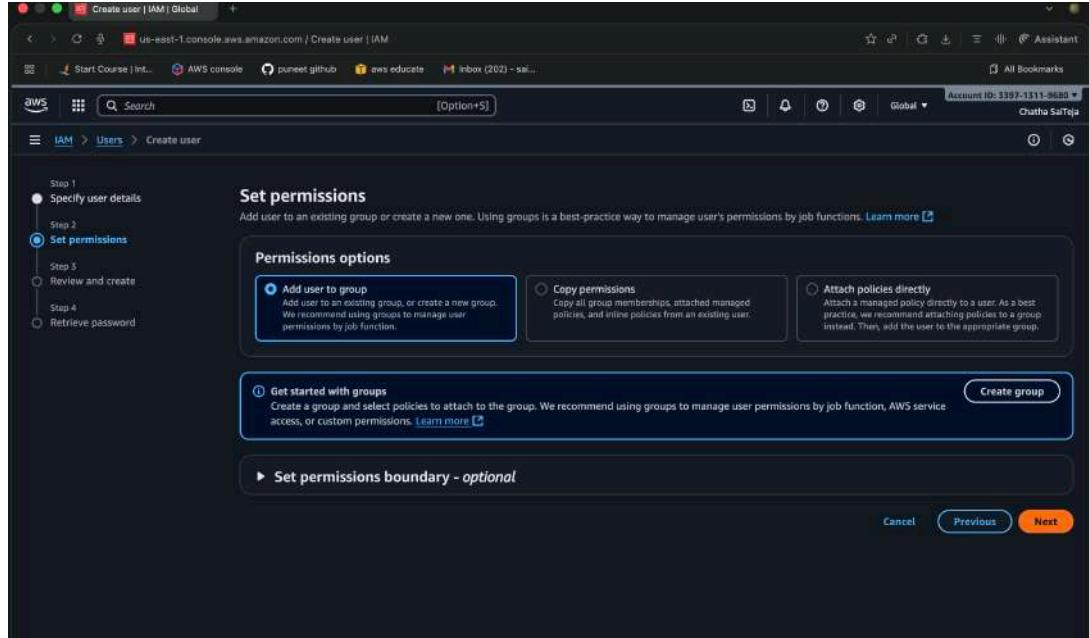
Specify Username

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



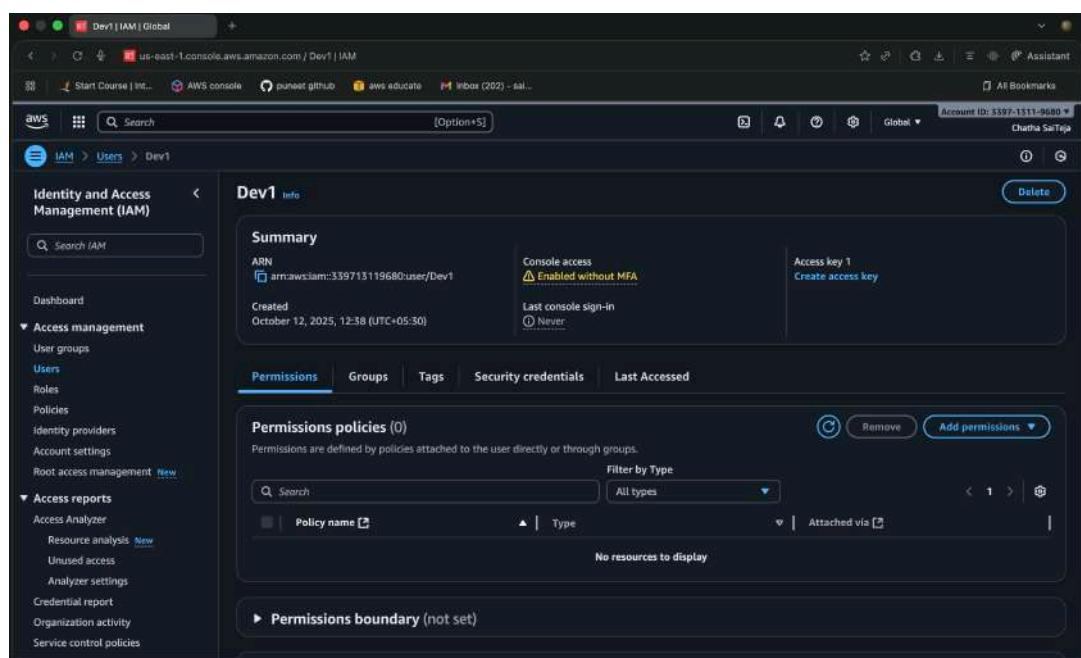
Console Password

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"

The screenshot shows the AWS IAM User Dev2 details page. The user was created on October 12, 2025, at 12:40 (UTC+05:30). It has console access enabled without MFA and one access key. The Permissions tab is selected, showing one policy attached: IAMUserChangePassword, which is an AWS managed policy attached directly. The page also includes sections for Groups, Tags, Security credentials, and Last Accessed.

Dev2

The screenshot shows the AWS IAM User Test1 details page. The user was created on October 12, 2025, at 12:41 (UTC+05:30). It has console access enabled without MFA and one access key. The Permissions tab is selected, showing one policy attached: IAMUserChangePassword, which is an AWS managed policy attached directly. The page also includes sections for Groups, Tags, Security credentials, and Last Accessed.

Test1

The screenshot shows the AWS IAM User Test2 details page. The user was created on October 12, 2025, at 12:42 (UTC+05:30). It has console access enabled without MFA and one access key. The Permissions tab is selected, showing no attached policies or boundary conditions.

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.

The screenshot shows the Create user group page. A new group named "DevTeam" is being created. Under the "Add users to the group" section, four users (Dev1, Dev2, Test1, Test2) are listed. In the "Attach permissions policies" section, there is an optional link to attach up to 1076 policies.

Specify details of User group (DevTeam)

The screenshot shows the 'Create user group' interface in the AWS IAM console. The left sidebar has a search bar and navigation links for 'Identity and Access Management (IAM)', 'Dashboard', 'Access management' (with 'User groups' selected), 'Users', 'Roles', 'Policies', 'Identity providers', 'Account settings', and 'Root access management'. The main area displays a table of existing user groups, each with a checkbox, name, type, and ARN. The table includes rows for 'AIOpsOperatorAccess', 'AIOpsReadOnlyAccess', 'AlexaForBusinessDevice...', 'AlexaForBusinessFull...', 'AlexaForBusinessGate...', 'AlexaForBusinessLife...', 'AlexaForBusinessPoly...', 'AlexaForBusinessRea...', 'AmazonAPIGateway...', 'AmazonAPIGateway...', 'AmazonAPIGatewayP...', 'AmazonAppFlowFull...', 'AmazonAppFlowRea...', and 'AmazonAppStreamF...'. At the bottom right is a blue 'Create user group' button.

Click on create user group

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

The screenshot shows the 'OpsTeam' user group info page in the AWS IAM console. The left sidebar has a search bar and navigation links for 'Identity and Access Management (IAM)', 'Dashboard', 'Access management' (with 'User groups' selected), 'Users', 'Roles', 'Policies', 'Identity providers', 'Account settings', and 'Root access management'. The main area shows the 'OpsTeam' group details, including its name, creation time (October 12, 2025, 14:03 UTC+05:30), and ARN (arn:aws:iam::339713119680:group/OpsTeam). Below this, the 'Users' tab is selected, showing a table with columns for 'User name', 'Groups', 'Last activity', and 'Creation time'. The table is currently empty, indicating no users are assigned to this group. There are 'Edit' and 'Delete' buttons at the top right of the main area.

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.

The screenshot shows the AWS IAM User Groups page for a group named 'DevTeam'. The 'Summary' section displays the user group name 'DevTeam', creation time 'October 12, 2025, 14:03 (UTC+05:30)', and ARN 'arn:aws:iam::339713119680:group/DevTeam'. Below this, the 'Users' tab is selected, showing a table with the heading 'Users in this group (0)'. A note states: 'An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.' There is a search bar and a table with columns: User name, Groups, Last activity, and Creation time. The table is empty, displaying 'No resources to display'. On the left sidebar, under 'Access management', 'User groups' is selected, along with 'Users', 'Roles', 'Policies', 'Identity providers', and 'Root access management'. Other sections like 'Access reports' and 'Access Analyzer' are also listed.

Click on Add users

The screenshot shows the 'Add users to DevTeam' dialog. It lists 'Other users in this account (2/4)' with two users selected: 'Dev1' and 'Dev2'. Both users have 0 groups, last activity at 'None', and were created 4 minutes ago. Below the list are buttons for 'Cancel' and 'Add users'. At the bottom of the dialog, there is a note: '© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

Adding Users (Dev1,Dev2) to DevTeam

The screenshot shows the AWS IAM User Groups page. The left sidebar has 'Identity and Access Management (IAM)' selected. Under 'Access management', 'User groups' is also selected. The main area shows a summary for the 'DevTeam' user group, which was created on October 12, 2025, at 14:03 UTC+05:30. The ARN is arn:aws:iam::339713119680:group/DevTeam. A green banner at the top says '2 users added to this group.' Below the summary, there are tabs for 'Users [2]', 'Permissions', and 'Access Advisor'. The 'Users [2]' tab is active, showing a table with two entries: 'Dev_1' and 'Dev_2'. Both users have a status of 'None' and were last active 4 minutes ago and 2 minutes ago respectively.

2 users added to the group

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

The screenshot shows the AWS IAM User Groups page for the 'OpsTeam' group. The left sidebar includes sections for Identity and Access Management (IAM), Access management (User groups, Users, Roles, Policies, Identity providers, Account settings, Root access management), and Access reports (Resource analysis, Unused access, Analyzer settings, Credential report, Organization activity). The main content area displays the 'OpsTeam' info card with a creation time of October 12, 2025, at 14:03 (UTC+05:30) and an ARN of arn:aws:iam::339713119680:group/OpsTeam. Below this is a 'Summary' section showing 'Users in this group (0)' and a table with no resources displayed. A 'Remove' button is available for the group.

Click On Add users

The screenshot shows the 'Add users to OpsTeam' dialog box. It lists 'Other users in this account (2/4)' with two users selected: 'Test1' and 'Test2'. The table includes columns for Groups, Last activity, and Creation time. At the bottom right are 'Cancel' and 'Add users' buttons.

User Name	Groups	Last Activity	Creation Time
Dev1	1	None	4 minutes ago
Dev2	1	None	2 minutes ago
Test1	0	None	2 minutes ago
Test2	0	None	1 minute ago

Adding Users(Test1,Test2) to OpsTeam

The screenshot shows the AWS IAM console with the 'OpsTeam' user group selected. A green banner at the top indicates '2 users added to this group.' The 'Summary' section shows the user group name 'OpsTeam' and creation time 'October 12, 2025, 14:03 (UTC+05:30)'. The ARN is listed as 'arn:aws:iam::339713119680:group/OpsTeam'. The 'Users' tab is selected, showing two users: 'Test1' and 'Test2'. Both users have 1 group assigned and last activity set to 'None'. The creation time for both is listed as '2 minutes ago' and '1 minute ago' respectively.

User Name	Groups	Last Activity	Creation Time
Test1	1	None	2 minutes ago
Test2	1	None	1 minute ago

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