

Assignment: IAM Users and Groups Setup

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Course: AWS DevOps

Problem Statement

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

Tasks to Be Performed

- 1 Create 4 IAM users named Dev1, Dev2, Test1, and Test2.
- 2 Create 2 IAM 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.

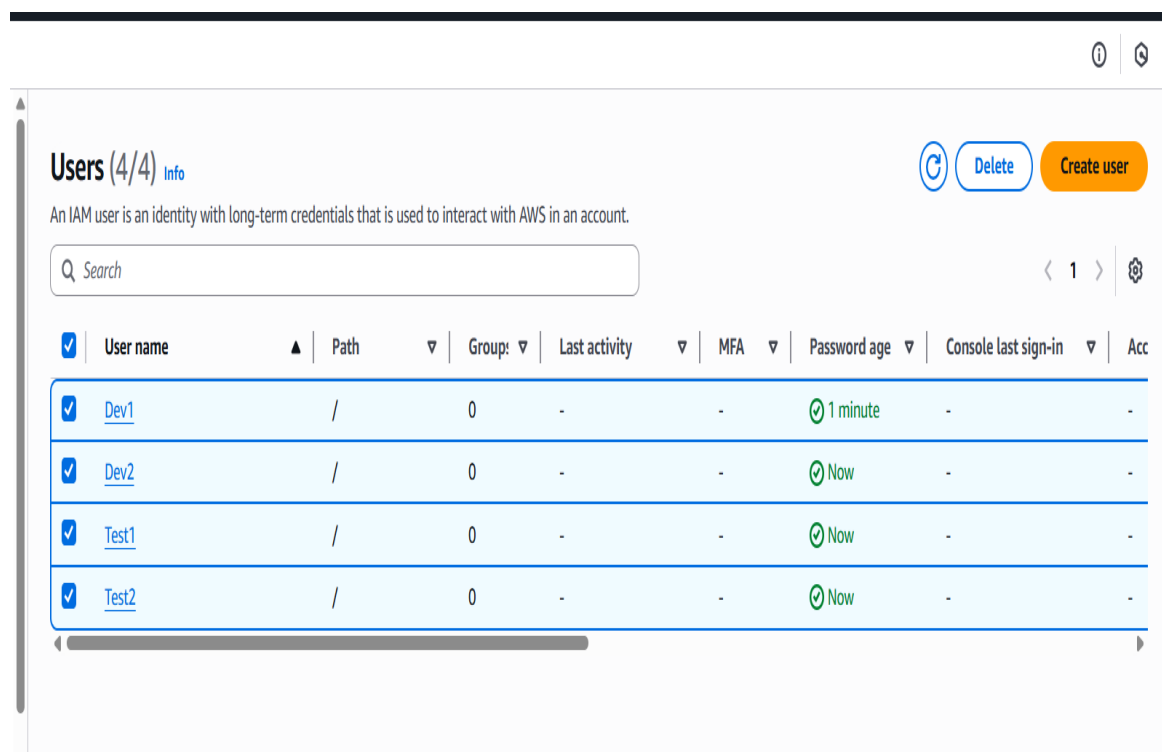
Implementation Steps (Using AWS Management Console)

Step 1 — Open IAM

Sign in to the AWS Management Console. Search for IAM and open it. You will be directed to the IAM Dashboard.

Step 2 — Create 4 IAM Users

In the IAM console, go to Users → Create user. Enter user names as Dev1, Dev2, Test1, and Test2. Keep default settings and create users.

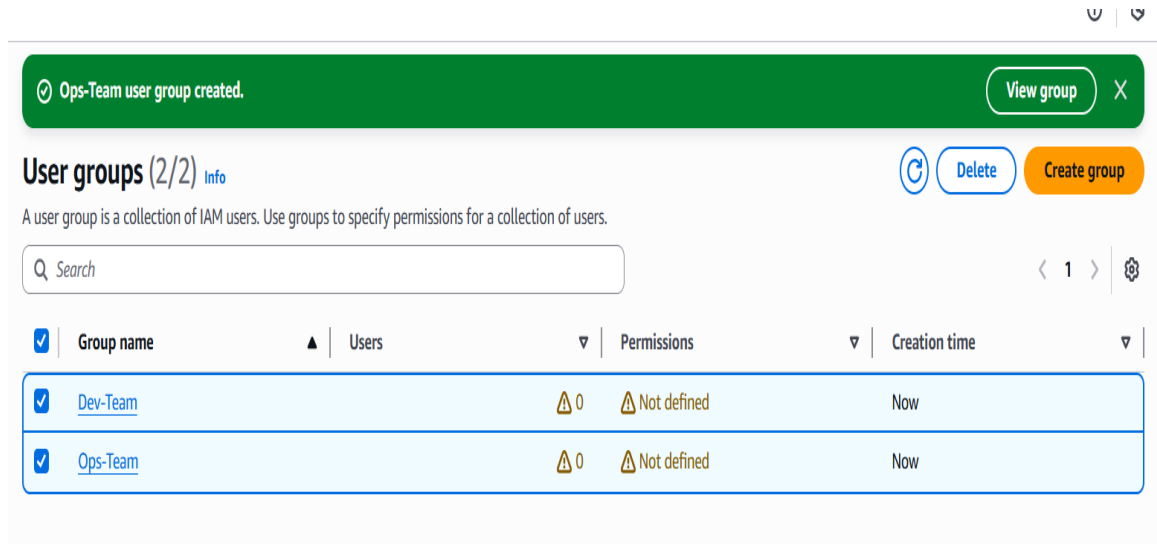


The screenshot shows the AWS IAM console 'Users' page. At the top, it says 'Users (4/4)' with an 'Info' link. There are 'Delete' and 'Create user' buttons. Below is a search bar and a table of users. The table has columns: User name, Path, Group, Last activity, MFA, Password age, Console last sign-in, and Acc. There are four users listed: Dev1, Dev2, Test1, and Test2. Each user has a checkmark in the 'User name' column, a path of '/', a group of '0', and a password age of '1 minute' or 'Now'.

<input checked="" type="checkbox"/>	User name	Path	Group	Last activity	MFA	Password age	Console last sign-in	Acc
<input checked="" type="checkbox"/>	Dev1	/	0	-	-	✓ 1 minute	-	-
<input checked="" type="checkbox"/>	Dev2	/	0	-	-	✓ Now	-	-
<input checked="" type="checkbox"/>	Test1	/	0	-	-	✓ Now	-	-
<input checked="" type="checkbox"/>	Test2	/	0	-	-	✓ Now	-	-

Step 3 — Create 2 IAM Groups

In the IAM console, go to User groups → Create group. Create Dev-Team and Ops-Team (without spaces).



Ops-Team user group created. [View group](#)

User groups (2/2) [Info](#)

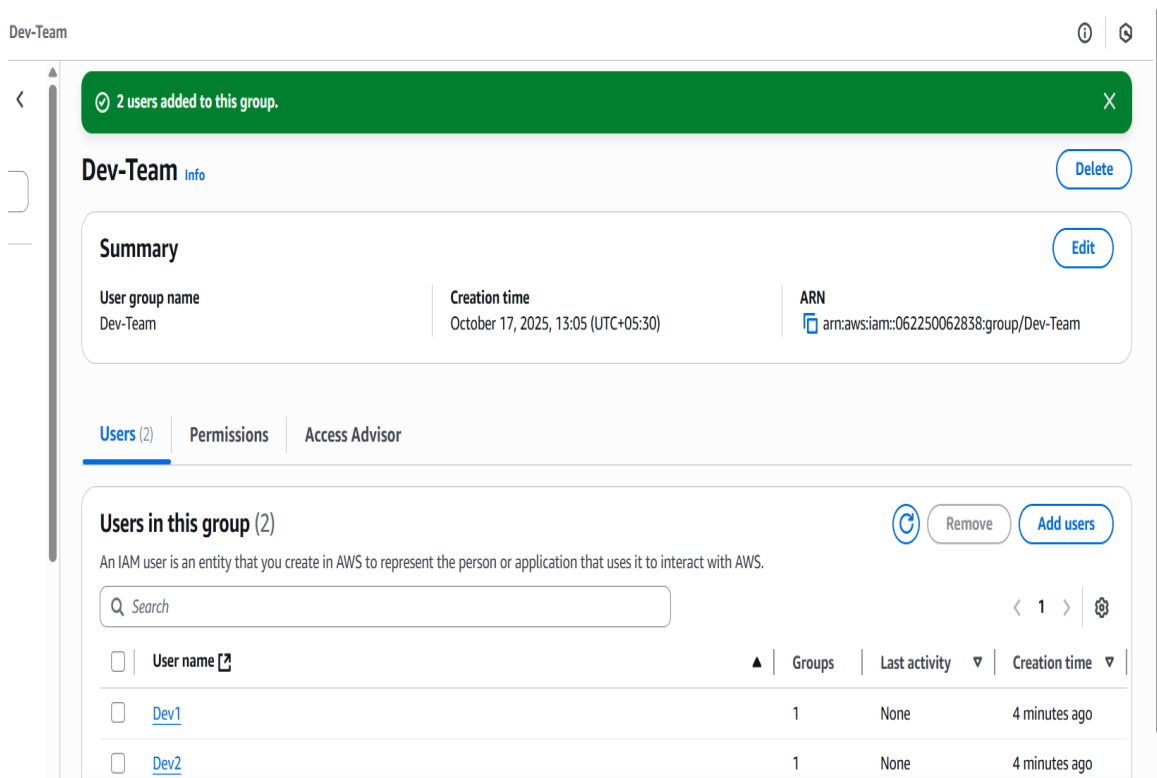
A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Search

<input checked="" type="checkbox"/>	Group name	Users	Permissions	Creation time
<input checked="" type="checkbox"/>	Dev-Team	0	Not defined	Now
<input checked="" type="checkbox"/>	Ops-Team	0	Not defined	Now

Step 4 — Add Users to Dev Team

Go to User groups → Dev-Team → Add users → select Dev1 and Dev2 → Add users.



Dev-Team

2 users added to this group.

Dev-Team [Info](#)

[Delete](#)

Summary [Edit](#)

User group name	Creation time	ARN
Dev-Team	October 17, 2025, 13:05 (UTC+05:30)	arn:aws:iam::062250062838:group/Dev-Team

[Users \(2\)](#) [Permissions](#) [Access Advisor](#)

Users in this group (2) [Remove](#) [Add users](#)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	Dev1	1	None	4 minutes ago
<input type="checkbox"/>	Dev2	1	None	4 minutes ago

Step 5 — Add Users to Ops Team

Go to User groups → Ops-Team → Add users → select Dev1, Test1, and Test2 → Add users.

The screenshot shows the AWS IAM console interface for the 'Ops-Team' user group. The top navigation bar includes 'Ops-Team' and a 'Delete' button. The main content area has a 'Summary' section with fields for 'User group name' (Ops-Team), 'Creation time' (October 17, 2025, 13:06 (UTC+05:30)), and 'ARN' (arn:aws:iam::062250062838:group/Ops-Team). Below the summary are tabs for 'Users (3)', 'Permissions', and 'Access Advisor'. The 'Users (3)' tab is active, showing a list of users in the group. The list has columns for 'User name', 'Groups', 'Last activity', and 'Creation time'. Three users are listed: 'Dev1', 'Test1', and 'Test2'. Each user has a checkbox, a link to the user's details, and a 'Remove' button. The 'Add users' button is also visible.

User name	Groups	Last activity	Creation time
Dev1	2	None	5 minutes ago
Test1	1	None	4 minutes ago
Test2	1	None	3 minutes ago

Step 6 — Verify the Setup

Go to Users → select each user → Groups tab. Verify group memberships as per requirements.

The screenshot shows the AWS IAM console interface for the 'Dev1' user. The top navigation bar includes 'Dev1' and a 'Delete' button. The main content area has a 'Summary' section with fields for 'ARN' (arn:aws:iam::062250062838:user/Dev1), 'Console access' (Enabled without MFA), 'Access key 1' (Create access key), 'Created' (October 17, 2025, 13:03 (UTC+05:30)), and 'Last console sign-in' (Never). Below the summary are tabs for 'Permissions', 'Groups (2)', 'Tags', 'Security credentials', and 'Last Accessed'. The 'Groups (2)' tab is active, showing a list of user group memberships. The list has columns for 'Group name' and 'Attached policies'. Two groups are listed: 'Dev-Team' and 'Ops-Team'. Each group has a checkbox, a link to the group's details, and a 'Remove' button. The 'Add user to groups' button is also visible.

Group name	Attached policies
Dev-Team	-
Ops-Team	-

Dev2

Info

Delete

Summary

ARN
arn:aws:iam::062250062838:user/Dev2

Console access
Enabled without MFA

Access key 1
Create access key

Created
October 17, 2025, 13:04 (UTC+05:30)

Last console sign-in
Never

Permissions

Groups (1)

Tags

Security credentials

Last Accessed

User groups membership

Remove

Add user to groups

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users. A user can be a member of up to 10 groups at a time.

☐ Group name

▲

Attached policies

▼

☐ Dev-Team

-

st1

Test1

Info

Delete

Summary

ARN
arn:aws:iam::062250062838:user/Test1

Console access
Enabled without MFA

Access key 1
Create access key

Created
October 17, 2025, 13:04 (UTC+05:30)

Last console sign-in
Never

Permissions

Groups (1)

Tags

Security credentials

Last Accessed

User groups membership

Remove

Add user to groups

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users. A user can be a member of up to 10 groups at a time.

☐ Group name

▲

Attached policies

▼

☐ Ops-Team

-

Test2

Info

Delete

Summary

ARN
arn:aws:iam::062250062838:user/Test2

Console access
Enabled without MFA

Access key 1
Create access key

Created
October 17, 2025, 13:04 (UTC+05:30)

Last console sign-in
Never

Permissions

Groups (1)

Tags

Security credentials

Last Accessed

User groups membership

Remove

Add user to groups

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users. A user can be a member of up to 10 groups at a time.

☐ Group name

▲

Attached policies

▼

☐ Ops-Team

-

Final Output

Successfully created and organized IAM users and groups as per the given requirements. This setup enhances AWS account security and provides clear user-role segregation for better management.