

Lesson 8 Demo 1

Create an IAM Group

Objective: To create and add IAM Users to IAM Group

Tools required: AWS account with administrator access

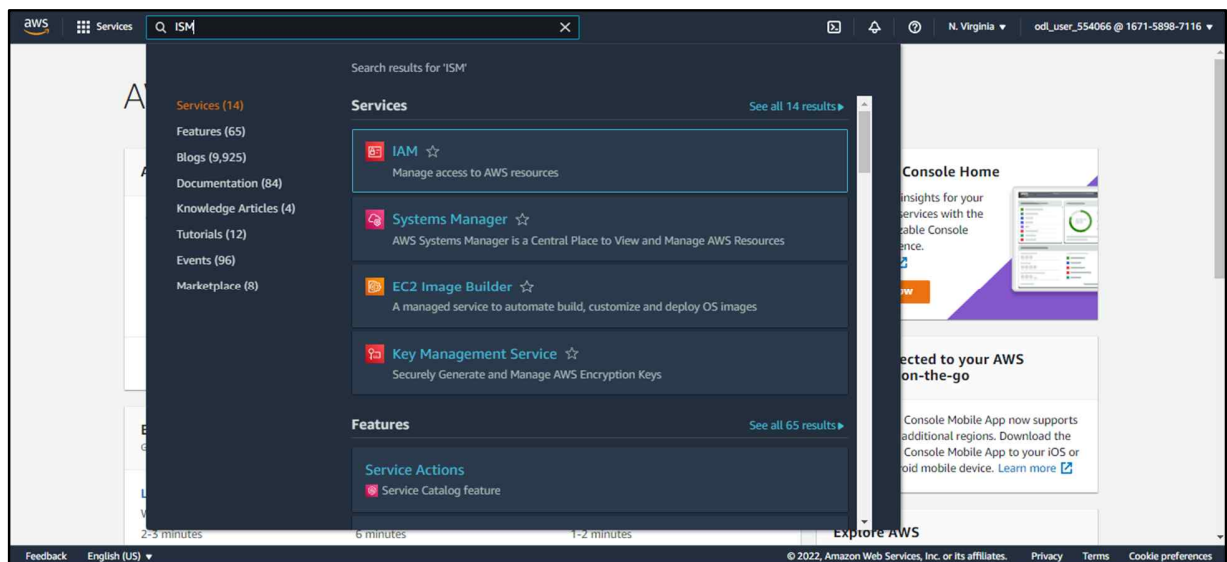
Prerequisites: None

Steps to be followed:

1. Creating IAM user and IAM group
2. Adding IAM users to the IAM group

Step 1: Creating IAM user and IAM group

1.1 Login to your AWS console and search and select **IAM** from the search bar



1.2 In the IAM dashboard click on **Users** and create at least two users

The screenshot shows the AWS IAM console. The top navigation bar includes the AWS logo, 'Services', and a search bar. The left sidebar is titled 'Identity and Access Management (IAM)' and contains a search bar, a 'Dashboard' link, and a list of 'Access management' items: 'User groups', 'Users' (highlighted with a red box), and 'Roles'. The main content area has a blue banner announcing the new IAM dashboard. Below this, the 'IAM dashboard' title is followed by 'Security recommendations', which includes a red warning icon and the text 'Add MFA for root user' with a subtext 'Enable multi-factor authentication (MFA)'.

1.3 In the Users dashboard, click on **Add users**

The screenshot shows the 'Users' page in the AWS IAM console. The left sidebar is the same as in the previous image. The main content area is titled 'IAM > Users'. It includes a 'Users (1) Info' section with a description of an IAM user. Below this is a search bar and a table of users. The 'Add users' button is highlighted with a red box. The table has columns for 'User name', 'Groups', 'Last activity', 'MFA', 'Password a...', and 'Active'. The first user listed is 'corestack-54b84'.

	User name	Groups	Last activity	MFA	Password a...	Active
<input type="checkbox"/>	corestack-54b84	None	Never	None	486 days ago	-

1.4 Enter the name for the user, select the **Access** key, and click on **Next: Permissions**

Add user

1 2 3 4 5

Set user details

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name*

[+ Add another user](#)

Select AWS access type

Select how these users will primarily access AWS. If you choose only programmatic access, it does NOT prevent users from accessing the console using an assumed role. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

- Select AWS credential type* ☒ **Access key - Programmatic access**
Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.
- ☐ **Password - AWS Management Console access**
Enables a **password** that allows users to sign-in to the AWS Management Console.

* Required

[Cancel](#)

[Next: Permissions](#)

1.5 Now, for the next four pages click on **Next: Tags**, **Next: Review**, **Create user**, and **Close**

Add user

1 2 3 4 5

Set permissions

Add user to group

Copy permissions from existing user

Attach existing policies directly

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Add user to group

[Create group](#)
[Refresh](#)

Showing 7 results

Group	Attached policies
<input type="checkbox"/> admin	AdministratorAccess
<input type="checkbox"/> Admin_dep	AmazonEC2FullAccess and 1 more

[Cancel](#)
[Previous](#)
[Next: Tags](#)

Add user

1 2 3 4 5

Add tags (optional)

IAM tags are key-value pairs you can add to your user. Tags can include user information, such as an email address, or can be descriptive, such as a job title. You can use the tags to organize, track, or control access for this user. [Learn more](#)

Key	Value (optional)	Remove
<input type="text" value="Add new key"/>	<input type="text"/>	

You can add 50 more tags.

[Cancel](#)
[Previous](#)
[Next: Review](#)

Add user

1 2 3 4 5

Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

⚠ This user has no permissions

You haven't given this user any permissions. This means that the user has no access to any AWS service or resource. Consider returning to the previous step and adding some type of permissions.

User details

User name	demo2
AWS access type	Programmatic access - with an access key
Permissions boundary	Permissions boundary is not set

Tags

No tags were added.

[Cancel](#)
[Previous](#)
[Create user](#)

1.6 Click on the **User groups** option in the left panel of the IAM dashboard, then click on the **Create group** button

1.7 Fill the name for the group in the given text field, then scroll down and click on **Create group**

IAM > User groups > Create user group

Create user group

Name the group

User group name
Enter a meaningful name to identify this group.

Maximum 128 characters. Use alphanumeric and '+=,.,@-_' characters.

<input type="checkbox"/>	AmazonEC2FullAccess	AWS managed	Provides full access to Ar
<input type="checkbox"/>	SecretsManagerReadWrite	AWS managed	Provides read/write acces
<input type="checkbox"/>	AWSIoTThingsRegistration	AWS managed	This policy allows users t
<input type="checkbox"/>	AmazonDocDBReadOnlyAccess	AWS managed	Provides read-only acces
<input type="checkbox"/>	AmazonMQApiFullAccess	AWS managed	Provides full access to Ar

[Cancel](#)
[Create group](#)

1.8 Navigate back to the IAM Create group dashboard and you will be able to see the newly created group.

IAM > User groups

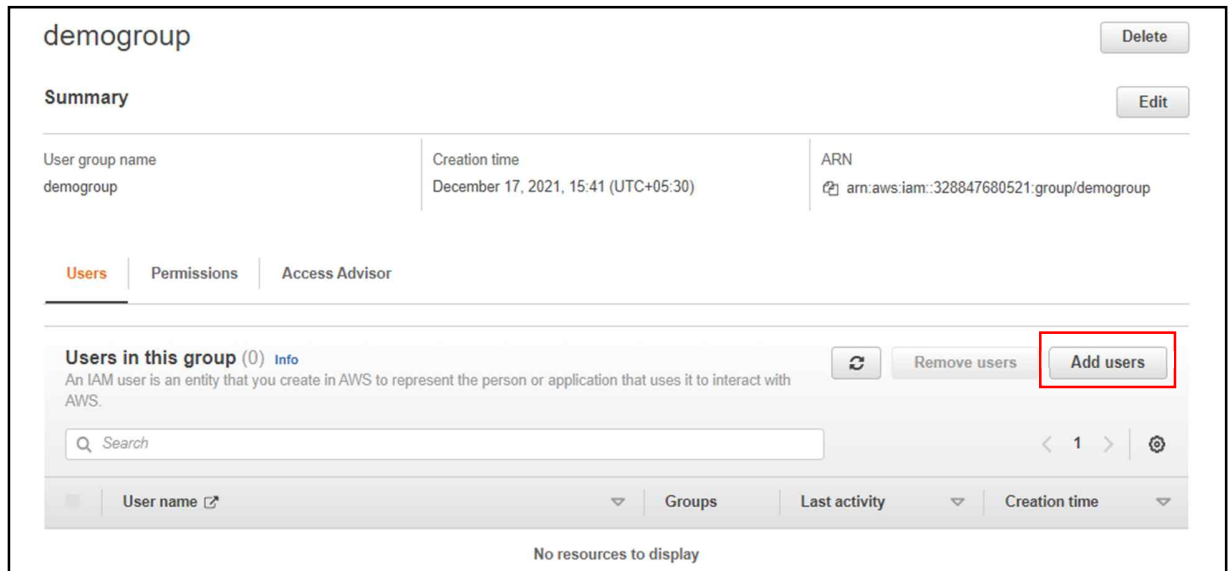
User groups (8) [Info](#)

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

<input type="checkbox"/>	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	admin	0	Defined	1 year ago
<input type="checkbox"/>	Admin_dep	0	Defined	7 months ago
<input type="checkbox"/>	Architects	0	Defined	1 year ago
<input type="checkbox"/>	demogroup	0	Not defined	1 minute ago

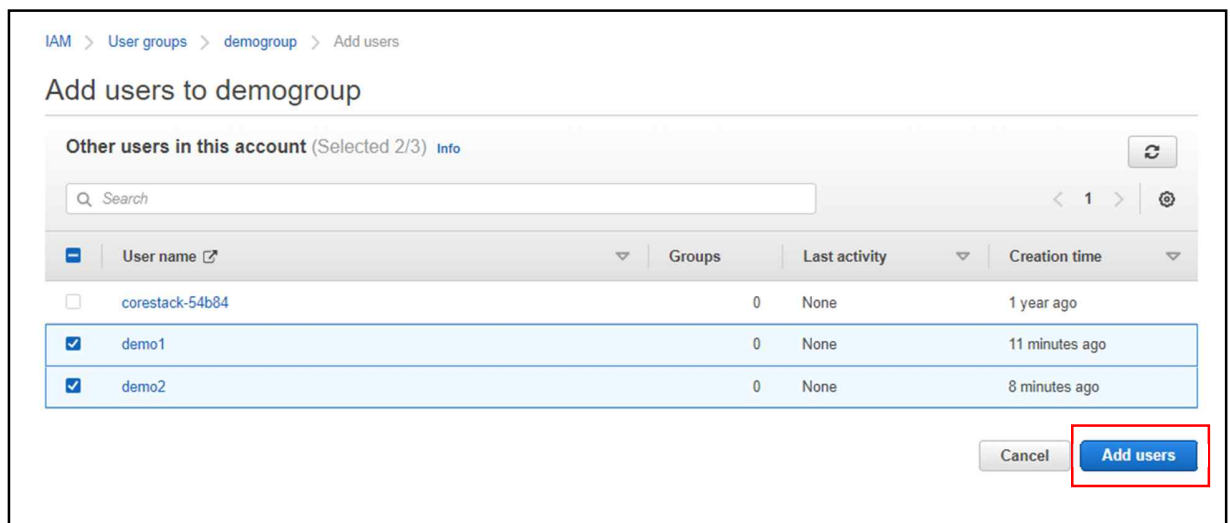
Step 2: Adding IAM users to the IAM group

2.1 Click on the newly created group in the IAM dashboard, and then click on the **Add users** button



The screenshot shows the AWS IAM console for a group named 'demogroup'. At the top right are 'Delete' and 'Edit' buttons. Below is a 'Summary' section with details: User group name (demogroup), Creation time (December 17, 2021, 15:41 (UTC+05:30)), and ARN (arn:aws:iam::328847680521:group/demogroup). Below the summary are tabs for 'Users', 'Permissions', and 'Access Advisor'. The 'Users' tab is active, showing 'Users in this group (0)' with an 'Info' link. Below this 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'. To the right of the search bar are buttons for 'Remove users' and 'Add users', with the 'Add users' button highlighted by a red rectangle.

2.2 Select the users that you want to add to the group from the list of users, and then click on the **Add users** button



The screenshot shows the 'Add users to demogroup' page in the AWS IAM console. The breadcrumb trail at the top is 'IAM > User groups > demogroup > Add users'. The main heading is 'Add users to demogroup'. Below this is a section 'Other users in this account (Selected 2/3)' with an 'Info' link and a refresh button. There is a search bar and a table with columns: User name, Groups, Last activity, and Creation time. The table lists three users: 'corestack-54b84' (not selected), 'demo1' (selected), and 'demo2' (selected). At the bottom right are 'Cancel' and 'Add users' buttons, with the 'Add users' button highlighted by a red rectangle.

demogroup

Delete

Summary

Edit

User group name

demogroup

Creation time

December 17, 2021, 15:41 (UTC+05:30)

ARN

arn:aws:iam::328847680521:group/demogroup

Users

Permissions

Access Advisor

Users in this group (2) Info

Remove users

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

< 1 >

⚙

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	demo1	1	None	11 minutes ago
<input type="checkbox"/>	demo2	1	None	9 minutes ago

2.3 Navigate back to the IAM dashboard. The user count in the newly created group will show the total number of users that you have added to the group.

IAM > User groups

User groups (8) Info

Create group

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

Filter User groups by property or group name and press enter

< 1 >

⚙

<input type="checkbox"/>	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	admin	0	Defined	1 year ago
<input type="checkbox"/>	Admin_dep	0	Defined	7 months ago
<input type="checkbox"/>	Architects	0	Defined	1 year ago
<input type="checkbox"/>	demogroup	2	Not defined	3 minutes ago