

Module-8: IAM Assignment - 1

You have been asked to:

1. Create a 4 IAM users name “user1”, “user2”, “user3”, and “user4”
 2. Create 2 Groups named “Dev Team” and “Ops Team”
 3. Add user1 and user2 to the Dev Team
 4. Add user1, user3 and user4 to the Ops team
-

Search IAM

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User groups



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Service control policies (SCPs)

Related consoles

IAM Identity Center X New

IAM dashboard

Security recommendations

✓ Root user has MFA

Having multi-factor authentication (MFA) for the root user improves security for this account

✓ Root user has no active access keys

Using access keys attached to an IAM user instead of the root user improves security

IAM resources

User groups

0

Users

0

Roles

13

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Identity providers

0

What's new

Updates for features in IAM

AWS Account

Account ID

111952067877

Account Alias

111952067877 [Create](#)

Sign-in URL for IAM users in this account

[https://111952067877signin.aws.amazon.co
m/console](https://111952067877signin.aws.amazon.com/console)

Quick Links

[My security credentials](#)

Manage your access keys, multi-factor authentication (MFA) and other credentials

Tools

[Policy simulator](#)

The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify

[Web identity federation playground](#)

Authenticate yourself to any of the supported web identity providers - see the requests and

Introducing the new Users list experience

We've redesigned the Users list experience to make it easier to use. [Let us know what you think.](#)



IAM > Users

Users (0) [Info](#)

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.



Delete

Add users

 Find users by username or access key[1](#)

User name	Groups	Last activity	MFA	Password age	Active key age
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No resources to display

Set user details

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

User name*

user1



user2



user3



user4



[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

Console password*

Autogenerated password

Custom password

Show password

Require password reset

Users must create a new password at next sign-in

* Required

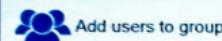
Cancel

Next: Permissions

Add user

1 2 3 4 5

Set permissions



Add users to group



Copy permissions from
existing user



Attach existing policies
directly



Get started with groups

You haven't created any groups yet. Using groups is a best-practice way to manage users' permissions by job functions, AWS service access, or your custom permissions. Get started by creating a group. [Learn more](#)

Create group

Set permissions boundary

Cancel

Previous

Next: Tags

Add user



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
Add new key		

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 users, you can view and download autogenerated passwords and access keys

**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 names	user1, user2, user3, and user4
AWS access type	AWS Management Console access - with a password
Console password type	Custom
Require password reset	No
Permissions boundary	Permissions boundary is not set

Tags

No tags were added

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

Add user

1 2 3 4 5

Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign in at: <https://111952067877.signin.aws.amazon.com/console>

Download .csv

User	Email login instructions
▶ user1	Send email
▶ user2	Send email
▶ user3	Send email
▶ user4	Send email

Close

i Introducing the new Users list experience

We've redesigned the Users list experience to make it easier to use. [Let us know what you think.](#)

✓ The users [user1](#), [user2](#), [user3](#), [user4](#) have been created.

IAM > Users

Users (Selected 4/4) [Info](#)

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account

 [Delete](#) [Add users](#)



< 1 > 

<input checked="" type="checkbox"/>	User name	Groups	Last activity	MFA	Password age	Active key age
<input checked="" type="checkbox"/>	user1	None	Never	None	 1 minute ago	-
<input checked="" type="checkbox"/>	user2	None	Never	None	 1 minute ago	-
<input checked="" type="checkbox"/>	user3	None	Never	None	 1 minute ago	-
<input checked="" type="checkbox"/>	user4	None	Never	None	 1 minute ago	-



https://us-east-

aws



Services



Identity and Access Management (IAM)



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IAM Identity Center

New

User groups (0) Info

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



Delete

Create group Filter User groups by property or group name and press enter

< 1 > |

Group name	Users	Permissions	Creation time
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No resources to display

Create user group

Name the group

User group name

Enter a meaningful name to identify this group.

 DevTeam

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

Add users to the group - *Optional* (Selected 2/4) Info

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.



<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/>	user1	0	None	2 hours ago
<input checked="" type="checkbox"/>	user2	0	None	2 hours ago
<input type="checkbox"/>	user3	0	None	2 hours ago
<input type="checkbox"/>	user4	0	None	2 hours ago

<input type="checkbox"/>	AWSLambdaS3ExecutionRole-001a46c5-b958-43b9-afa7-ea8d84e1c841	Customer managed
<input type="checkbox"/>	AWSLambdaS3ExecutionRole-3f26e61f-eb14-4a3d-8797-03ffb145aca9	Customer managed
<input type="checkbox"/>	AWSLambdaS3ExecutionRole-ad25c62f-8e68-4edf-a7fb-391de8f6fd3d	Customer managed
<input type="checkbox"/>	AWSDirectConnectReadOnlyAccess	AWS managed Provides read only ac
<input type="checkbox"/>	AmazonGlacierReadOnlyAccess	AWS managed Provides read only ac
<input type="checkbox"/>	AWSMarketplaceFullAccess	AWS managed Provides the ability to
<input type="checkbox"/>	AWSSSOAdministrator	AWS managed Administrator access
<input type="checkbox"/>	AWSIoT1ClickReadOnlyAccess	AWS managed Provides read only ac
<input type="checkbox"/>	AutoScalingConsoleReadOnlyAccess	AWS managed Provides read-only ac
<input type="checkbox"/>	AmazonDMSRedshiftS3Role	AWS managed Provides access to m
<input type="checkbox"/>	AWSQuickSightListIAM	AWS managed Allow QuickSight to li
<input type="checkbox"/>	AWSHealthFullAccess	AWS managed Allows full access to t
<input type="checkbox"/>	AlexaForBusinessGatewayExecution	AWS managed Provide gateway exec
<input type="checkbox"/>	AmazonElasticTranscoder_ReadOnlyAccess	AWS managed Grants users read-onl
<input type="checkbox"/>	AmazonRDSFullAccess	AWS managed Provides full access to
<input type="checkbox"/>	SupportUser	AWS managed - job function This policy grants per
<input type="checkbox"/>	AmazonEC2FullAccess	AWS managed Provides full access to

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

✓ DevTeam user group created.

[View group](#)

IAM > User groups

User groups (Selected 1/1) [Info](#)

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

[Edit](#) [Delete](#) [Create group](#)

Filter User groups by property or group name and press enter

1 [<](#) [>](#) [Reset](#)

<input checked="" type="checkbox"/> Group name	<input type="checkbox"/> Users	<input type="checkbox"/> Permissions	<input type="checkbox"/> Creation time
<input checked="" type="checkbox"/> DevTeam	2	⚠ Not defined	1 minute ago

Create user group

Name the group

User group name

Enter a meaningful name to identify this group.

 OpsTeam

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

Add users to the group - *Optional* (Selected 3/4) Info

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS. A user can belong to up to 10 groups.

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/>	user1	1	None	2 hours ago
<input type="checkbox"/>	user2	1	None	2 hours ago
<input checked="" type="checkbox"/>	user3	0	None	2 hours ago
<input checked="" type="checkbox"/>	user4	0	None	2 hours ago

<input type="checkbox"/>	 AWSLambdaS3ExecutionRole-001a46c5-b958-43b9-afa7-ea8d84e1c841	Customer managed
<input type="checkbox"/>	 AWSLambdaS3ExecutionRole-3f26e61f-eb14-4a3d-8797-03ffb145aca9	Customer managed
<input type="checkbox"/>	 AWSLambdaS3ExecutionRole-ad25c62f-8e68-4edf-a7fb-391de8f6fd3d	Customer managed
<input type="checkbox"/>	 AWSDirectConnectReadOnlyAccess	AWS managed Provides read only access to AWS Direct Connect via the AWS Direct Connect interface.
<input type="checkbox"/>	 AmazonGlacierReadOnlyAccess	AWS managed Provides read only access to Amazon Glacier via the AWS Management Console.
<input type="checkbox"/>	 AWSMarketplaceFullAccess	AWS managed Provides the ability to subscribe and unsubscribe to AWS Marketplace products.
<input type="checkbox"/>	 AWSSODirectoryAdministrator	AWS managed Administrator access for SSO Directory
<input type="checkbox"/>	 AWSIoT1ClickReadOnlyAccess	AWS managed Provides read only access to AWS IoT 1-Click
<input type="checkbox"/>	 AutoScalingConsoleReadOnlyAccess	AWS managed Provides read-only access to Auto Scaling via the AWS Management Console.
<input type="checkbox"/>	 AmazonDMSRedshiftS3Role	AWS managed Provides access to manage S3 settings for Redshift
<input type="checkbox"/>	 AWSQuickSightListIAM	AWS managed Allow QuickSight to list IAM entities
<input type="checkbox"/>	 AWSHealthFullAccess	AWS managed Allows full access to the AWS Health APIs and Notifications
<input type="checkbox"/>	 AlexaForBusinessGatewayExecution	AWS managed Provide gateway execution access to AlexaForBusinessGateway
<input type="checkbox"/>	 AmazonElasticTranscoder_ReadOnlyAccess	AWS managed Grants users read-only access to Elastic Transcoder
<input type="checkbox"/>	 AmazonRDSFullAccess	AWS managed Provides full access to Amazon RDS via the AWS Management Console.
<input type="checkbox"/>	 SupportUser	AWS managed - job function This policy grants permissions to troubleshoot and resolve support issues.
<input type="checkbox"/>	 AmazonEC2FullAccess	AWS managed Provides full access to Amazon EC2 via the AWS Management Console.

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

✓ OpsTeam user group created.

[View group](#)

IAM > User groups

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

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

[Delete](#)[Create group](#)[«](#) 1 [»](#)

<input checked="" type="checkbox"/> Group name	Users	Permissions	Creation time
<input checked="" type="checkbox"/> DevTeam	2	⚠ Not defined	6 minutes ago
<input checked="" type="checkbox"/> OpsTeam	3	⚠ Not defined	Now

DevTeam

[Delete](#)[Edit](#)

Summary

User group name

DevTeam

Creation time

October 19, 2022, 17:03 (UTC+05:30)

ARN

arn:aws:iam::111952067877:group/DevTeam

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

Users in this group (Selected 2/2)

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

[Remove users](#)[Add users](#)

<input checked="" type="checkbox"/> User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/> user1	2	None	2 hours ago
<input checked="" type="checkbox"/> user2	1	None	2 hours ago

[IAM](#) > [User groups](#) > [OpsTeam](#)

OpsTeam

[Delete](#)[Edit](#)

Summary

User group name

OpsTeam

Creation time

October 19, 2022, 17:09 (UTC+05:30)

ARN

arn:aws:iam::111952067877:group/OpsTeam

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

Users in this group (Selected 3/3)

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

[Remove users](#)[Add users](#)

1

>

[Search](#) [User name](#) user1[Groups](#)[Last activity](#)[Creation time](#) user32
None

4 hours ago

 user41
None

4 hours ago