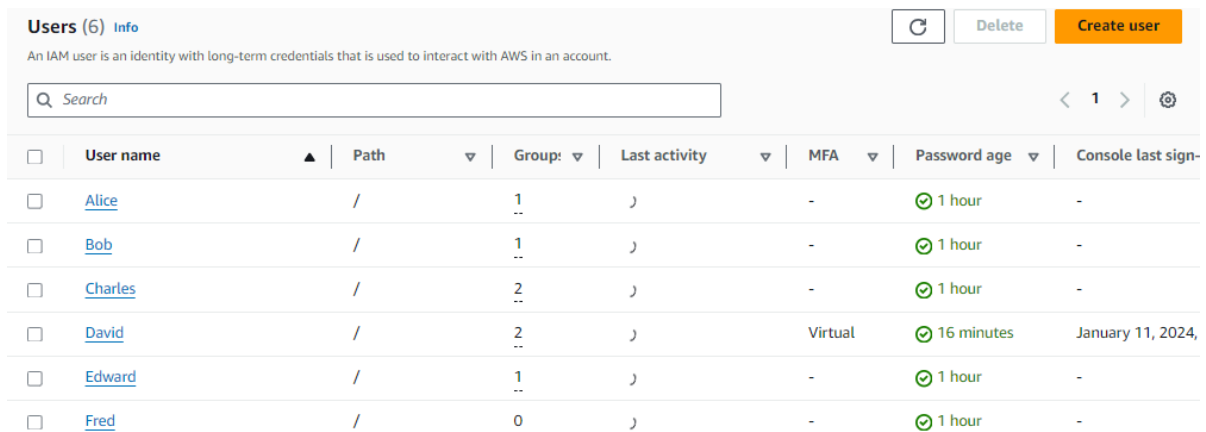


## AWS ASSIGNMENT: -01

### ➤ Create 6 IAM Users:

1. Alice
2. Bob
3. Charles
4. David
5. Edward
6. Fred

### SOLUTION: -



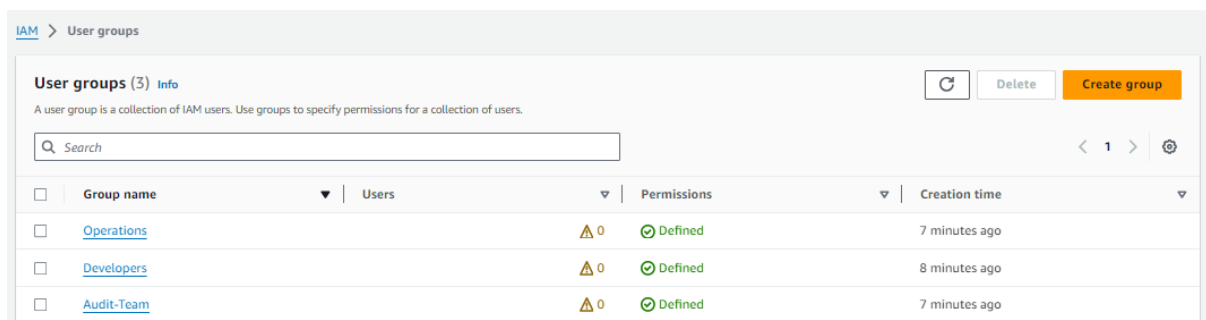
The screenshot shows the AWS IAM console 'Users' page. At the top, there are buttons for 'Refresh', 'Delete', and 'Create user'. Below the header, a search bar is present. The main table lists 6 users with columns for selection, user name, path, group, last activity, MFA, password age, and console last sign-in.

<input type="checkbox"/>	User name	Path	Group	Last activity	MFA	Password age	Console last sign-in
<input type="checkbox"/>	<a href="#">Alice</a>	/	1	⌵	-	✔ 1 hour	-
<input type="checkbox"/>	<a href="#">Bob</a>	/	1	⌵	-	✔ 1 hour	-
<input type="checkbox"/>	<a href="#">Charles</a>	/	2	⌵	-	✔ 1 hour	-
<input type="checkbox"/>	<a href="#">David</a>	/	2	⌵	Virtual	✔ 16 minutes	January 11, 2024,
<input type="checkbox"/>	<a href="#">Edward</a>	/	1	⌵	-	✔ 1 hour	-
<input type="checkbox"/>	<a href="#">Fred</a>	/	0	⌵	-	✔ 1 hour	-

### ➤ Create 3 groups:

1. Developers
2. Operations
3. Audit-Team

### SOLUTION: -



The screenshot shows the AWS IAM console 'User groups' page. At the top, there are buttons for 'Refresh', 'Delete', and 'Create group'. Below the header, a search bar is present. The main table lists 3 groups with columns for selection, group name, users, permissions, and creation time.

<input type="checkbox"/>	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	<a href="#">Operations</a>		⚠ 0 ✔ Defined	7 minutes ago
<input type="checkbox"/>	<a href="#">Developers</a>		⚠ 0 ✔ Defined	8 minutes ago
<input type="checkbox"/>	<a href="#">Audit-Team</a>		⚠ 0 ✔ Defined	7 minutes ago

### ➤ Developers group

Assign the "IAMReadOnlyAccess" policy to the Developers group.

SOLUTION: -

Developers

Info

Delete

Summary

Edit

User group name

Creation time

ARN

Developers

January 11, 2024, 11:06 (UTC+05:30)

arn:aws:iam::313897473255:group/Developers

Users

Permissions

Access Advisor

Permissions policies (1)

Info

Refresh

Simulate

Remove

Add permissions

You can attach up to 10 managed policies.

Search

Filter by Type

All types

< 1 >

Settings

Policy name

Type

Attached entities

☐

IAMReadOnlyAccess

AWS managed

2

➤ Operations group.

Assign the "IAMReadOnlyAccess" policy to the Operations group.

SOLUTION: -

Operations

Info

Delete

Summary

Edit

User group name

Creation time

ARN

Operations

January 11, 2024, 11:07 (UTC+05:30)

arn:aws:iam::313897473255:group/Operations

Users

Permissions

Access Advisor

Permissions policies (1)

Info

Refresh

Simulate

Remove

Add permissions

You can attach up to 10 managed policies.

Search

Filter by Type

All types

< 1 >

Settings

Policy name

Type

Attached entities

☐

IAMReadOnlyAccess

AWS managed

2

➤ Audit-Team

Assign the "IAMFullAccess" policy to the Audit-Team group.

SOLUTION: -

Audit-TeamInfoDelete

SummaryEdit

User group name

Audit-Team

Creation time

January 11, 2024, 11:08 (UTC+05:30)

ARN

arn:aws:iam::313897473255:group/Audit-Team

UsersPermissionsAccess Advisor

Permissions policies (1) Info

Simulate

Remove

Add permissions

You can attach up to 10 managed policies.

Search

Filter by Type

All types

< 1 >

Policy name

Type

Attached entities

IAMFullAccess

AWS managed

1

➤ **Developers group**

Add Alice, Bob, and Charles to the Developers group.

**SOLUTION: -**

DevelopersInfoDelete

SummaryEdit

User group name

Developers

Creation time

January 11, 2024, 11:06 (UTC+05:30)

ARN

arn:aws:iam::313897473255:group/Developers

Users (3)PermissionsAccess Advisor

Users in this group (3)

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

< 1 >

User name

Groups

Last activity

Creation time

[Alice](#)

1

None

15 minutes ago

[Bob](#)

1

None

14 minutes ago

[Charles](#)

1

None

13 minutes ago

➤ **Operations group.**

Add David and Edward to the Operations group.

**SOLUTION: -**

Operations

Info

Delete

Summary

Edit

User group name

Operations

Creation time

January 11, 2024, 11:07 (UTC+05:30)

ARN

arn:aws:iam::313897473255:group/Operations

Users (2)

Permissions

Access Advisor

Users in this group (2)

Refresh

Remove

Add users

Q Search

< 1 >

ⓘ

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	<a href="#">David</a>	1	None	14 minutes ago
<input type="checkbox"/>	<a href="#">Edward</a>	1	None	14 minutes ago

➤ **Audit-Team**

Add Charles and David to the Audit-Team group.

**SOLUTION: -**

Audit-Team

Info

Delete

Summary

Edit

User group name

Audit-Team

Creation time

January 11, 2024, 11:08 (UTC+05:30)

ARN

arn:aws:iam::313897473255:group/Audit-Team

Users (2)

Permissions

Access Advisor

Users in this group (2)

Refresh

Remove

Add users

Q Search

< 1 >

ⓘ

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	<a href="#">Charles</a>	2	None	15 minutes ago
<input type="checkbox"/>	<a href="#">David</a>	2	None	15 minutes ago

➤ **Assign an inline policy to Fred.**

**SOLUTION: -**

Fred

Info

Delete

Summary

ARN

arn:aws:iam::313897473255:user/Fred

Created

January 11, 2024, 11:05 (UTC+05:30)

Console access

Enabled without MFA

Last console sign-in

Never

Access key 1

[Create access key](#)

Permissions

Groups

Tags

Security credentials

Access Advisor

Permissions policies (1)

Refresh

Remove

Add permissions

Q Search

Filter by Type

All types

< 1 >

ⓘ

<input type="checkbox"/>	Policy name	Type	Attached via
<input type="checkbox"/>	<a href="#">policy</a>	Customer inline	Inline

=====

Log into the AWS account as an IAM user, add MFA, install AWS CLI, configure it in the terminal, and list IAM user actions using CLI command.

SOLUTION: -



### Sign in as IAM user

Account ID (12 digits) or account alias

313897473255

IAM user name

David

Password

.....|

☐ Remember this account

Sign in

[Sign in using root user email](#)

[Forgot password?](#)

### Select MFA device [Info](#)

#### MFA device name

Device name

Enter a meaningful name to identify this device.

David

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

#### MFA device

Select an MFA device to use, in addition to your username and password, whenever you need to authenticate.



#### Authenticator app

Authenticate using a code generated by an app installed on your mobile device or computer.

```
* configure
root@DESKTOP-800G2HF:~# aws configure
AWS Access Key ID [*****3J05]: AKIAUSFN7KTTYEIGUFKJ
AWS Secret Access Key [*****MjW]: mn5Ff/zU1anEXcdYuK7LYdE0icYLPelnr50aikb
Default region name [ap-south-1]:
Default output format [json]:
root@DESKTOP-800G2HF:~# aws sts get-caller-identity
{
  "UserId": "AIDAUSFN7KTTQ36TFLPOK",
  "Account": "313897473255",
  "Arn": "arn:aws:iam::313897473255:user/David"
}
```