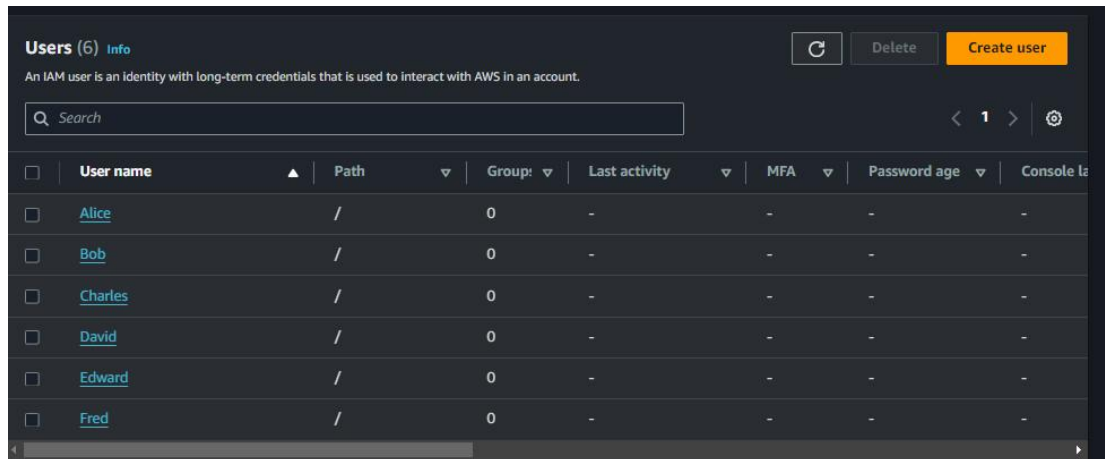


Create 6 IAM Users:

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

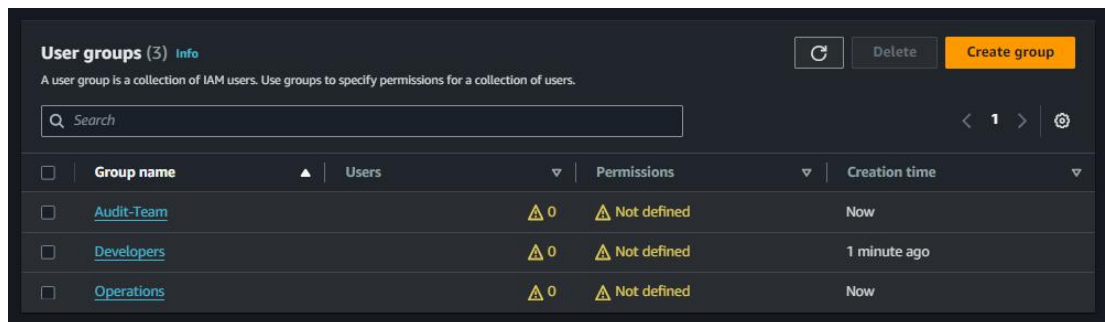


The screenshot shows the 'Users' page in the AWS IAM console. At the top, there's a header 'Users (6)' with an 'Info' link. Below it, a description states: 'An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.' There are buttons for 'Refresh', 'Delete', and 'Create user'. A search bar is present. The main table lists the users with columns for checkboxes, User name, Path, Group, Last activity, MFA, Password age, and Console login status.

<input type="checkbox"/>	User name	Path	Group	Last activity	MFA	Password age	Console login
<input type="checkbox"/>	<a href="#">Alice</a>	/	0	-	-	-	-
<input type="checkbox"/>	<a href="#">Bob</a>	/	0	-	-	-	-
<input type="checkbox"/>	<a href="#">Charles</a>	/	0	-	-	-	-
<input type="checkbox"/>	<a href="#">David</a>	/	0	-	-	-	-
<input type="checkbox"/>	<a href="#">Edward</a>	/	0	-	-	-	-
<input type="checkbox"/>	<a href="#">Fred</a>	/	0	-	-	-	-

Create 3 groups:

1. Developers
2. Operations
3. Audit-Team



The screenshot shows the 'User groups' page in the AWS IAM console. At the top, there's a header 'User groups (3)' with an 'Info' link. Below it, a description states: 'A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.' There are buttons for 'Refresh', 'Delete', and 'Create group'. A search bar is present. The main table lists the groups with columns for checkboxes, Group name, Users, Permissions, and Creation time.

<input type="checkbox"/>	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	<a href="#">Audit-Team</a>	0	Not defined	Now
<input type="checkbox"/>	<a href="#">Developers</a>	0	Not defined	1 minute ago
<input type="checkbox"/>	<a href="#">Operations</a>	0	Not defined	Now

Assign the "IAMReadOnlyAccess" policy to the Developers group.

Developers

Info

Delete

Summary

Edit

User group name

Creation time

ARN

Developers

January 11, 2024, 12:18 (UTC+05:30)

am:aws:iam::715621822765:group/Developers

Users

Permissions

Access 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

☐

IAMReadOnlyAccess

AWS managed

1

Assign the "IAMReadOnlyAccess" policy to the Operations group.

Attach permission policies to Operations

Current permissions policies (0)

Other permission policies (1/907)

Info

You can attach up to 10 managed policies to this user group. All of the users in this group inherit the attached permissions.

Search IAMRE

Filter by Type

All types

1 match

< 1 >

☒

Policy name

Type

Used as

Description

☒

IAMReadOnlyAccess

AWS managed

Permissions policy (1)

Provides read only access to IAM via the A...

Cancel

Attach policies

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

Attach permission policies to Audit-Team

Current permissions policies (0)

Other permission policies (1/907)

Info

You can attach up to 10 managed policies to this user group. All of the users in this group inherit the attached permissions.

Search IAMFull

Filter by Type

All types

1 match

< 1 >

☒

Policy name

Type

Used as

Description

☒

IAMFullAccess

AWS managed

None

Provides full access to IAM via the AWS M...

Cancel

Attach policies

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

Add users to Developers

Other users in this account (3/6)

Search

< 1 >

User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/> Alice	0	None	15 minutes ago
<input checked="" type="checkbox"/> Bob	0	None	13 minutes ago
<input checked="" type="checkbox"/> Charles	0	None	12 minutes ago
<input type="checkbox"/> David	0	None	11 minutes ago
<input type="checkbox"/> Edward	0	None	11 minutes ago
<input type="checkbox"/> Fred	0	None	10 minutes ago

Cancel

Add users

Add David and Edward to the Operations group.

Add users to Operations

Other users in this account (2/6)

Search

< 1 >

User name	Groups	Last activity	Creation time
<input type="checkbox"/> Alice	1	None	16 minutes ago
<input type="checkbox"/> Bob	1	None	14 minutes ago
<input type="checkbox"/> Charles	1	None	13 minutes ago
<input checked="" type="checkbox"/> David	0	None	12 minutes ago
<input checked="" type="checkbox"/> Edward	0	None	12 minutes ago
<input type="checkbox"/> Fred	0	None	11 minutes ago

Cancel

Add users

Add Charles and David to the Audit-Team group.

Add users to Audit-Team

Other users in this account (2/6)

Search

< 1 >

User name	Groups	Last activity	Creation time
<input type="checkbox"/> Alice	1	None	17 minutes ago
<input type="checkbox"/> Bob	1	None	15 minutes ago
<input checked="" type="checkbox"/> Charles	1	None	14 minutes ago
<input checked="" type="checkbox"/> David	1	None	13 minutes ago
<input type="checkbox"/> Edward	1	None	12 minutes ago
<input type="checkbox"/> Fred	0	None	12 minutes ago

Cancel

Add users

Assign an inline policy to Fred.

Fred

Info

Delete

Summary

ARN  
arn:aws:iam::715621822765:user/Fred

Console access  
Enabled without MFA

Access key 1  
Create access key

Created  
January 11, 2024, 12:17 (UTC+05:30)

Last console sign-in  
Never

Permissions

Groups

Tags

Security credentials

Access Advisor

Permissions

Groups

Tags

Security credentials

Access Advisor

Permissions policies (1)

Remove

Add permissions

Permissions are defined by policies attached to the user directly or through groups.

Search

Filter by Type  
All types

< 1 >

Policy name

Type

Attached via

IAMPOLICY

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.

Set up device

Info


Authenticator app

A virtual MFA device is an application running on your device that you can configure by scanning a QR code.

1

Install a compatible application such as Google Authenticator, Duo Mobile, or Authy app on your mobile device or computer.  
See a list of compatible applications

2



Open your authenticator app, choose **Show QR code** on this page, then use the app to scan the code. Alternatively, you can type a secret key. [Show secret key](#)

Alice

Info

Delete

Summary

<div>ARN</div> <div> arn:aws:iam::715621822765:user/Alice</div>	<div>Console access</div> <div>Enabled with MFA</div>	<div>Access key 1</div> <div>AKIA2NHTCOEWTZHK2EF - Active</div> <div> Never used. Created today.</div>
<div>Created</div> <div>January 11, 2024, 12:12 (UTC+05:30)</div>	<div>Last console sign-in</div> <div> Never</div>	<div>Access key 2</div> <div><a href="#">Create access key</a></div>

```
Nilam# aws iam list-users
{
  "Users": [
    {
      "Path": "/",
      "UserName": "Alice",
      "UserId": "AIDA2NHTCOEW3FPCHYN4E",
      "Arn": "arn:aws:iam::715621822765:user/Alice",
      "CreateDate": "2024-01-11T06:42:51+00:00"
    },
    {
      "Path": "/",
      "UserName": "Bob",
      "UserId": "AIDA2NHTCOEWUKE3HNKHY",
      "Arn": "arn:aws:iam::715621822765:user/Bob",
      "CreateDate": "2024-01-11T06:44:53+00:00"
    },
    {
      "Path": "/",
      "UserName": "Charles",
      "UserId": "AIDA2NHTCOEW4TI50YCJC",
      "Arn": "arn:aws:iam::715621822765:user/Charles",
      "CreateDate": "2024-01-11T06:45:35+00:00"
    },
    {
      "Path": "/",
      "UserName": "David",
      "UserId": "AIDA2NHTCOEWRTCYSZDT",
      "Arn": "arn:aws:iam::715621822765:user/David",
      "CreateDate": "2024-01-11T06:46:20+00:00"
    },
    {
      "Path": "/",
```