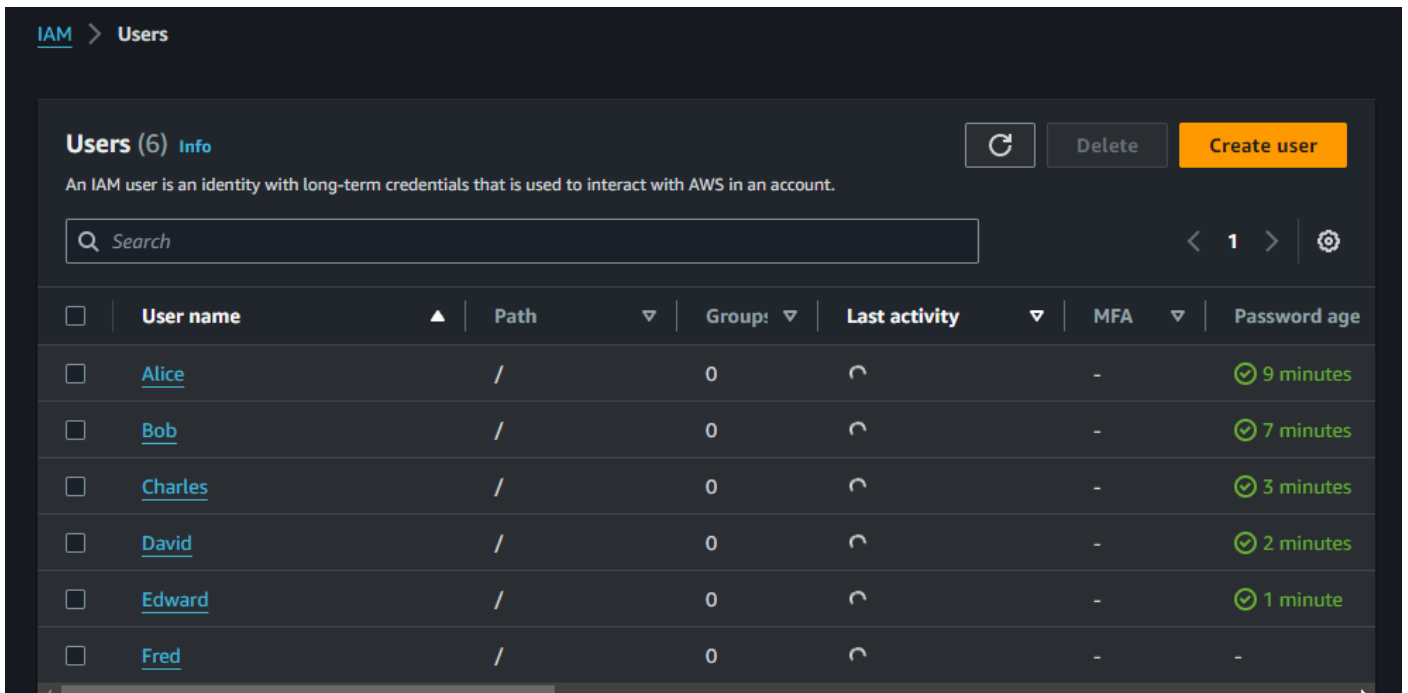


# AWS ASSIGNMENT

**Step 1: created 6 users named as Alice, Bob, Charles, David, Edward and Fred.**



The screenshot shows the AWS IAM console 'Users' page. At the top, there's a breadcrumb 'IAM > Users' and a header 'Users (6) Info'. Below the header is a description: 'An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.' There's a search bar and pagination controls showing '1' of 6 items. The main table lists the users with columns: checkboxes, User name, Path, Group, Last activity, MFA, and Password age.

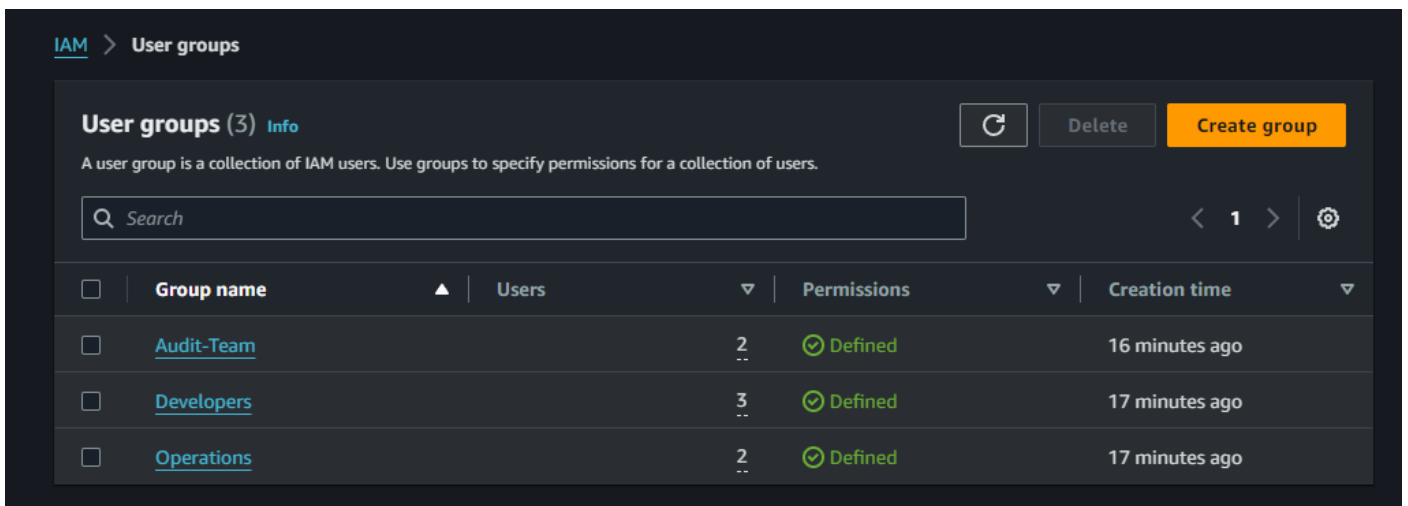
<input type="checkbox"/>	User name	Path	Group	Last activity	MFA	Password age
<input type="checkbox"/>	<a href="#">Alice</a>	/	0	🔄	-	✔ 9 minutes
<input type="checkbox"/>	<a href="#">Bob</a>	/	0	🔄	-	✔ 7 minutes
<input type="checkbox"/>	<a href="#">Charles</a>	/	0	🔄	-	✔ 3 minutes
<input type="checkbox"/>	<a href="#">David</a>	/	0	🔄	-	✔ 2 minutes
<input type="checkbox"/>	<a href="#">Edward</a>	/	0	🔄	-	✔ 1 minute
<input type="checkbox"/>	<a href="#">Fred</a>	/	0	🔄	-	-

**Step 2: Created 3 groups named as Developers, Operations, Audit-Team and assigned policies to every groups individually and the policies are as shown below:**

Assigned the "IAMReadOnlyAccess" policy to the Developers group.

Assigned the "IAMReadOnlyAccess" policy to the Operations group.

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



The screenshot shows the AWS IAM console 'User groups' page. At the top, there's a breadcrumb 'IAM > User groups' and a header 'User groups (3) Info'. Below the header is a description: 'A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.' There's a search bar and pagination controls showing '1' of 3 items. The main table lists the groups with columns: 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>	2	✔ Defined	16 minutes ago
<input type="checkbox"/>	<a href="#">Developers</a>	3	✔ Defined	17 minutes ago
<input type="checkbox"/>	<a href="#">Operations</a>	2	✔ Defined	17 minutes ago

Step 3: now added Charles and David to the Audit-Team group.


User group name

Audit-Team

Creation time

January 10, 2024, 17:12 (UTC+05:30)

ARN


 arn:aws:iam::842313196830:group/Audit-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

< 1 >



<input type="checkbox"/>	User name 	 Groups	Last activity 	Creation time 
<input type="checkbox"/>	<a href="#">Charles</a>	2	None	23 minutes ago
<input type="checkbox"/>	<a href="#">David</a>	2	None	23 minutes ago

Step 4: now added Alice, Bob, and Charles to the Developers group


User group name

Developers

Creation time

January 10, 2024, 17:10 (UTC+05:30)

ARN


 arn:aws:iam::842313196830:group/Developers

Users (3)

Permissions

Access 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 >



<input type="checkbox"/>	User name 	 Groups	Last activity 	Creation time 
<input type="checkbox"/>	<a href="#">Alice</a>	1	None	30 minutes ago
<input type="checkbox"/>	<a href="#">Bob</a>	1	None	28 minutes ago
<input type="checkbox"/>	<a href="#">Charles</a>	2	None	24 minutes ago

### Step 5: now added David and Edward to the Operations group.

User group name  
Operations

Creation time  
January 10, 2024, 17:11 (UTC+05:30)

ARN  
 arn:aws:iam::842313196830:group/Operations

Users (2)

Permissions

Access Advisor

Users in this group (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.

Search

☐

User name

Groups

Last activity

Creation time

☐

[David](#)

2

None

24 minutes ago

☐

[Edward](#)

1

None

23 minutes ago

### Step 6: Assigned an inline policy named as “Kamran\_policy” to Fred.

Fred

Summary

ARN  
 arn:aws:iam::842313196830:user/Fred

Created  
January 10, 2024, 17:07 (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)

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

Search

Filter by Type  
All types

☐

Policy name

Type

Attached via

☐

[Kamran\\_policy](#)

Customer inline

Inline

### Step 7: Configured aws cli in wsl to see iam user on ubuntu server.

aws cli is already installed.

```
root@DESKTOP-Q1VPUEC:~# aws configure
```

```
AWS Access Key ID [*****PAGZ]: AKIA4IHOHMUPE5L5WV5Y
```

```
AWS Secret Access Key [*****cTp+]: 0KGegfKCco85S37sF8ToH7XDbXG4awrALKdrNSXI
```

```
Default region name [ap-south-1]:
```

```
Default output format [json]:
```

```
root@DESKTOP-Q1VPUEC:~# aws sts get-caller-identity
```

```
{
  "UserId": "AIDA4IHOHMUPCCMPKF5GZ",
  "Account": "842313196830",
  "Arn": "arn:aws:iam::842313196830:user/David"
```

```
}
root@DESKTOP-Q1VPUEC:~# aws iam list-users
{
  "Users": [
    {
      "Path": "/",
      "UserName": "Alice",
      "UserId": "AIDA4IHOHMUPKCWSYSQBQ",
      "Arn": "arn:aws:iam::842313196830:user/Alice",
      "CreateDate": "2024-01-10T11:29:50Z"
    },
    {
      "Path": "/",
      "UserName": "Bob",
      "UserId": "AIDA4IHOHMUPDKMM7ACCU",
      "Arn": "arn:aws:iam::842313196830:user/Bob",
      "CreateDate": "2024-01-10T11:31:42Z"
    },
    {
      "Path": "/",
      "UserName": "Charles",
      "UserId": "AIDA4IHOHMUPJEPME5ZL7",
      "Arn": "arn:aws:iam::842313196830:user/Charles",
      "CreateDate": "2024-01-10T11:35:33Z"
    },
    {
      "Path": "/",
      "UserName": "David",
      "UserId": "AIDA4IHOHMUPCCMPKF5GZ",
      "Arn": "arn:aws:iam::842313196830:user/David",
      "CreateDate": "2024-01-10T11:36:28Z",
      "PasswordLastUsed": "2024-01-10T12:10:05Z"
    },
    {
      "Path": "/",
      "UserName": "Edward",
      "UserId": "AIDA4IHOHMUPLAEIFE5EE",
      "Arn": "arn:aws:iam::842313196830:user/Edward",
      "CreateDate": "2024-01-10T11:37:13Z"
    },
    {
      "Path": "/",
      "UserName": "Fred",
      "UserId": "AIDA4IHOHMUPKJ5I7UZLQ",
      "Arn": "arn:aws:iam::842313196830:user/Fred",
      "CreateDate": "2024-01-10T11:37:58Z",
      "PasswordLastUsed": "2024-01-10T12:06:12Z"
    }
  ]
}
```

Step 8: Added MFA to one of the user and tried to sign in .

---



## Multi-factor Authentication

---

Enter an MFA code to complete sign-in.

**MFA Code:**

**Submit**

[Cancel](#)