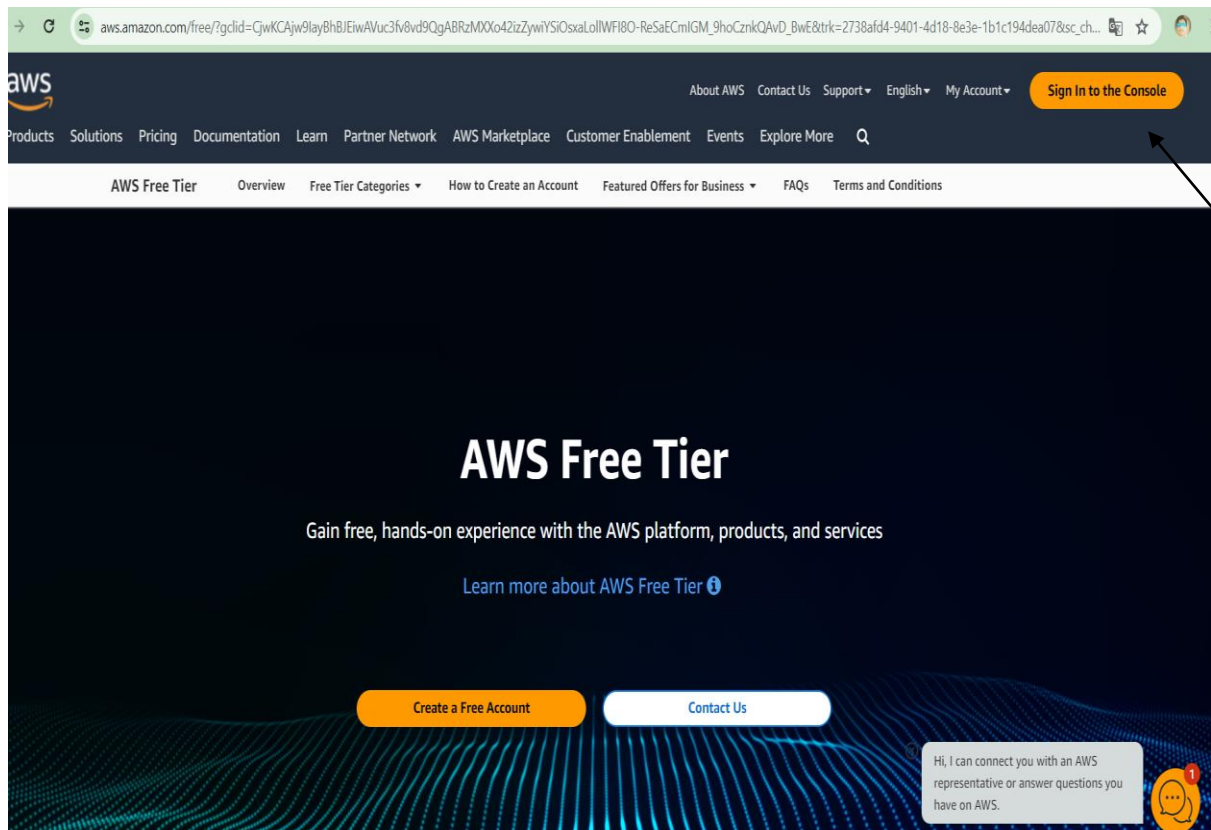
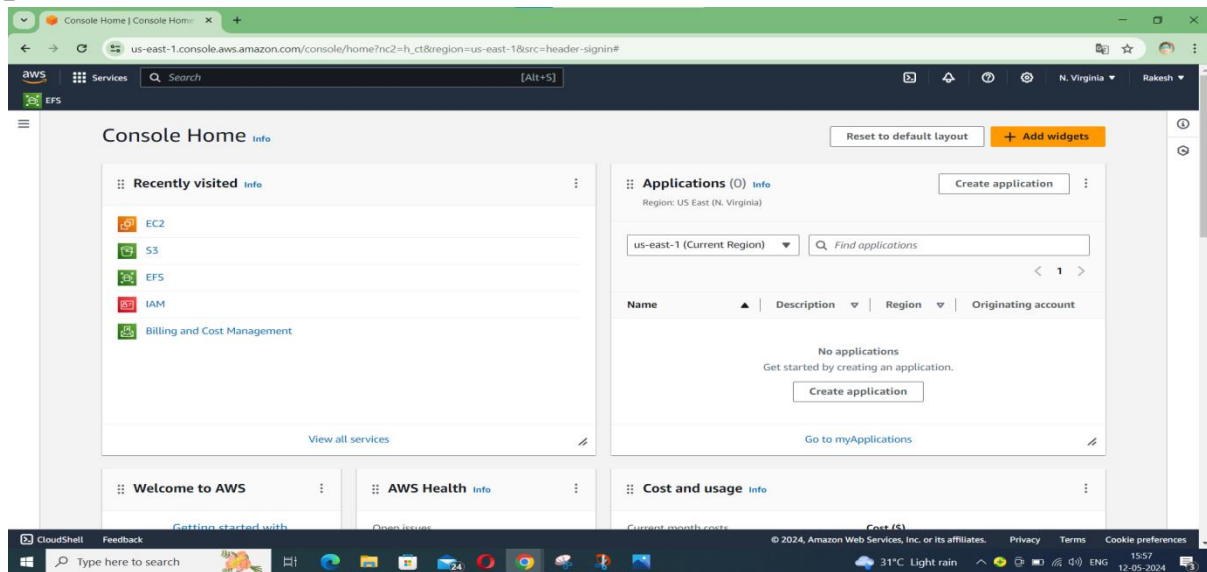


L2 - Login to AWS Console and Create IAM User, Role, and Group

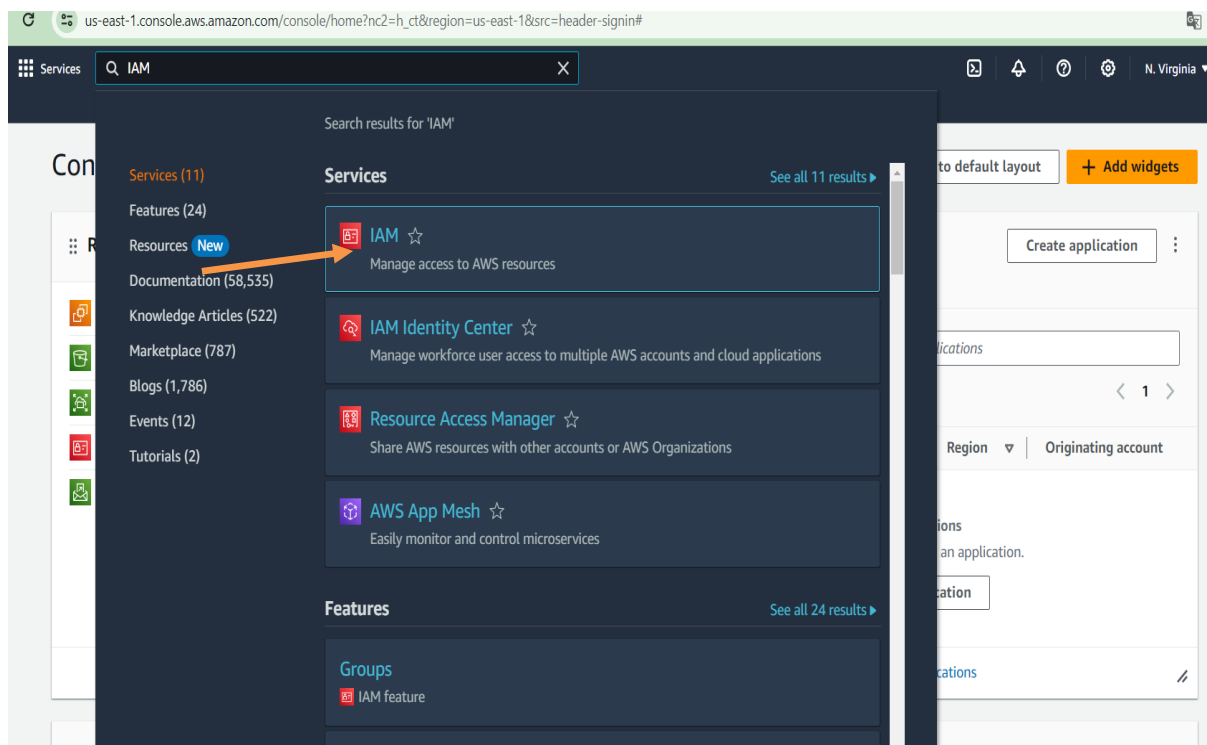
STEP-1 : Login to AWS console using **Root account credentials**.



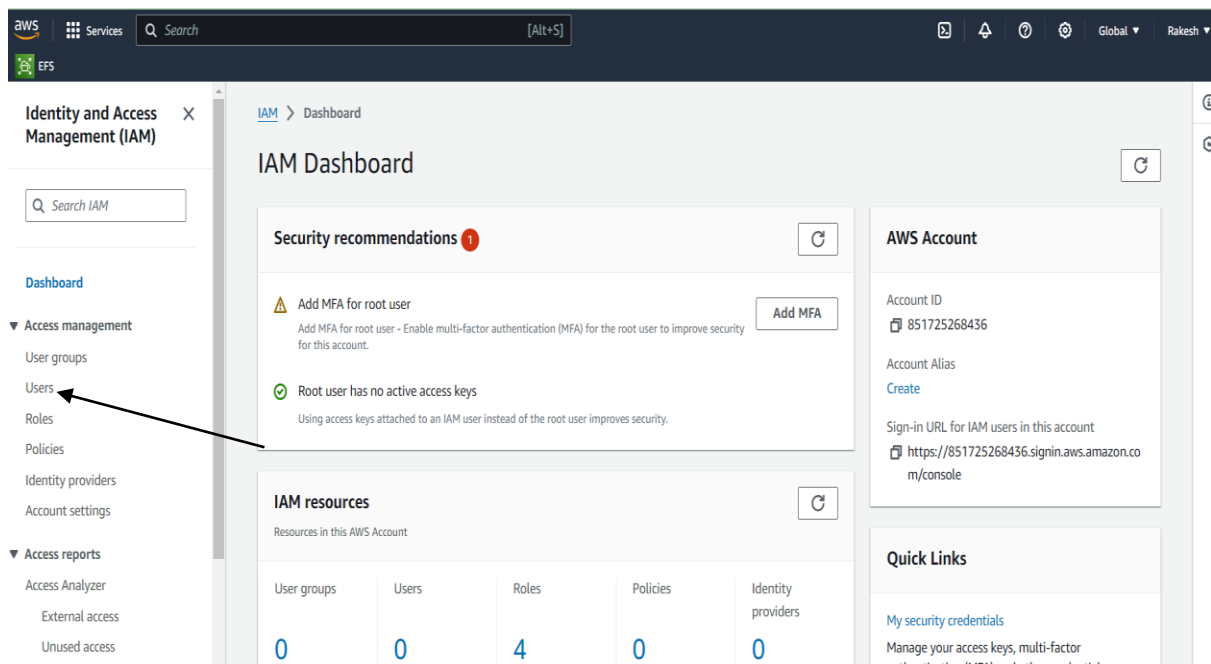
STEP 2: Then you will see **console home page** as shown in below picture.



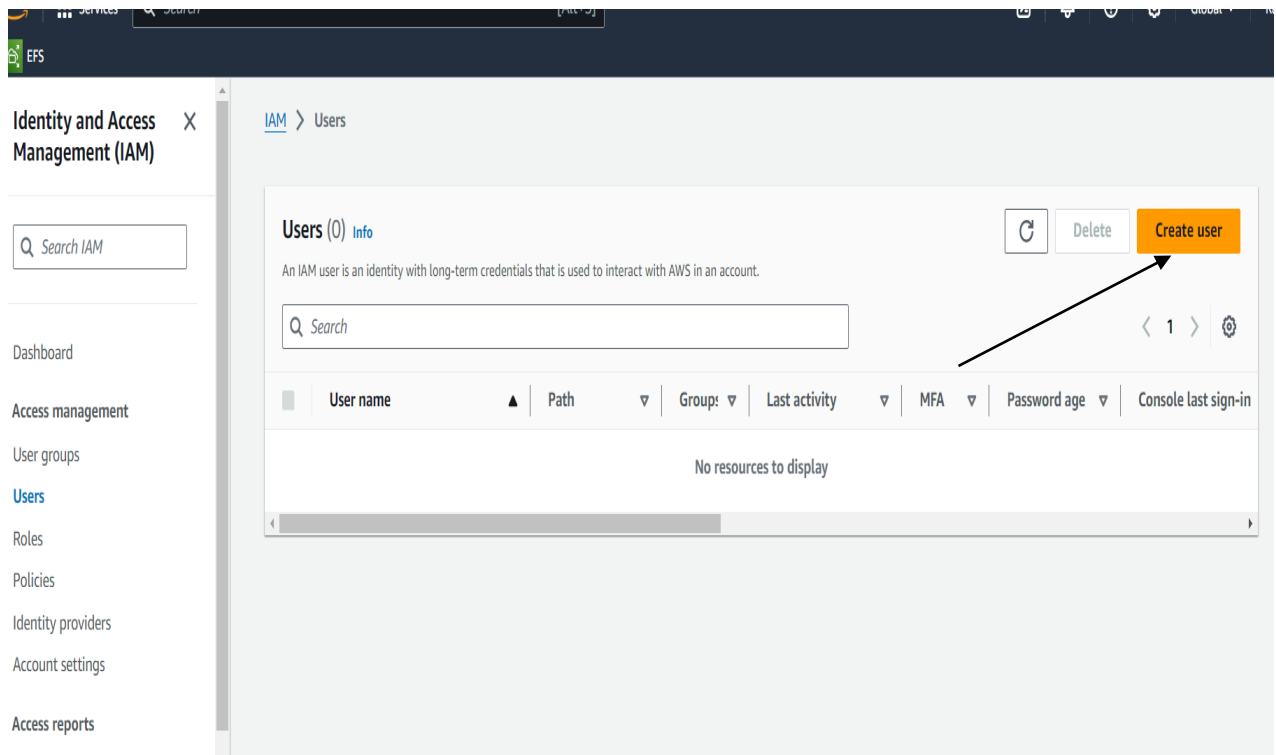
STEP -3: In console home page in search box search for **IAM Service** And **click** on IAM service as shown below.



STEP 4: In IAM Dashboard under **Access management** click on **Users**.



STEP 5: In Right side of the picture click on **Create user**



STEP 6: In user details fill **User name** .

Enable AWS management console.

In **User type** enable 2nd box as shown in picture.

Step 1
Specify user details

Step 2
Set permissions

Step 3
Review and create

Step 4
Retrieve password

Specify user details

User details

User name

rakesh

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☒ Provide user access to the AWS Management Console - *optional*
If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

Are you providing console access to a person?

User type

☐ Specify a user in Identity Center - Recommended
We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.

☒ I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password

☐ Autogenerated password

STEP 7 : In same page in **console password** .

Click on custom password and create password .

Then Click on Next.

☒ I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password

☐ Autogenerated password
You can view the password after you create the user.

☒ Custom password
Enter a custom password for the user.

- Must be at least 8 characters long
- Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols ! @ # \$ % ^ & * () _ + - (hyphen) = [] { } | ' "

☐ Show password

☒ Users must create a new password at next sign-in - Recommended
Users automatically get the [IAMUserChangePassword](#) policy to allow them to change their own password.

If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

Cancel Next

STEP 8: In Set Permission Option Select 1st one And **Click** on Next.

IAM > Users > Create user

Step 1
[Specify user details](#)

Step 2
Set permissions

Step 3
Review and create

Step 4
Retrieve password

Set permissions

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](#)

Permissions options

- ☒ **Add user to group**
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.
- ☐ **Copy permissions**
Copy all group memberships, attached managed policies, and inline policies from an existing user.
- ☐ **Attach policies directly**
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Get started with groups
Create a group and select policies to attach to the group. We recommend using groups to manage user permissions by job function, AWS service access, or custom permissions. [Learn more](#)

Create group

► **Set permissions boundary - optional**

Cancel Previous **Next**

STEP 9: Here **click** on Create user.

Step 2
[Set permissions](#)

Step 3
Review and create

Step 4
Retrieve password

User details

User name rakesh	Console password type Custom password	Require password reset Yes
---------------------	--	-------------------------------

Permissions summary

< 1 >

Name	Type	Used as
IAMUserChangePassword	AWS managed	Permissions policy

Tags - optional

Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

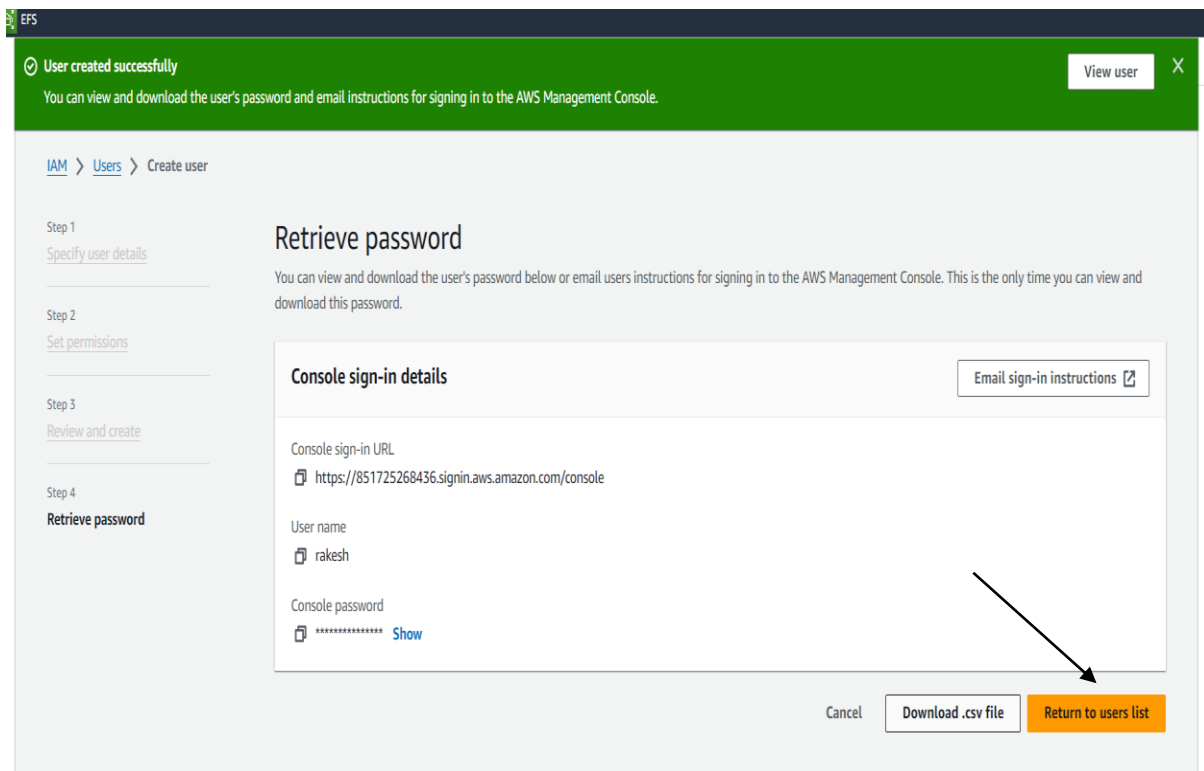
No tags associated with the resource.

Add new tag

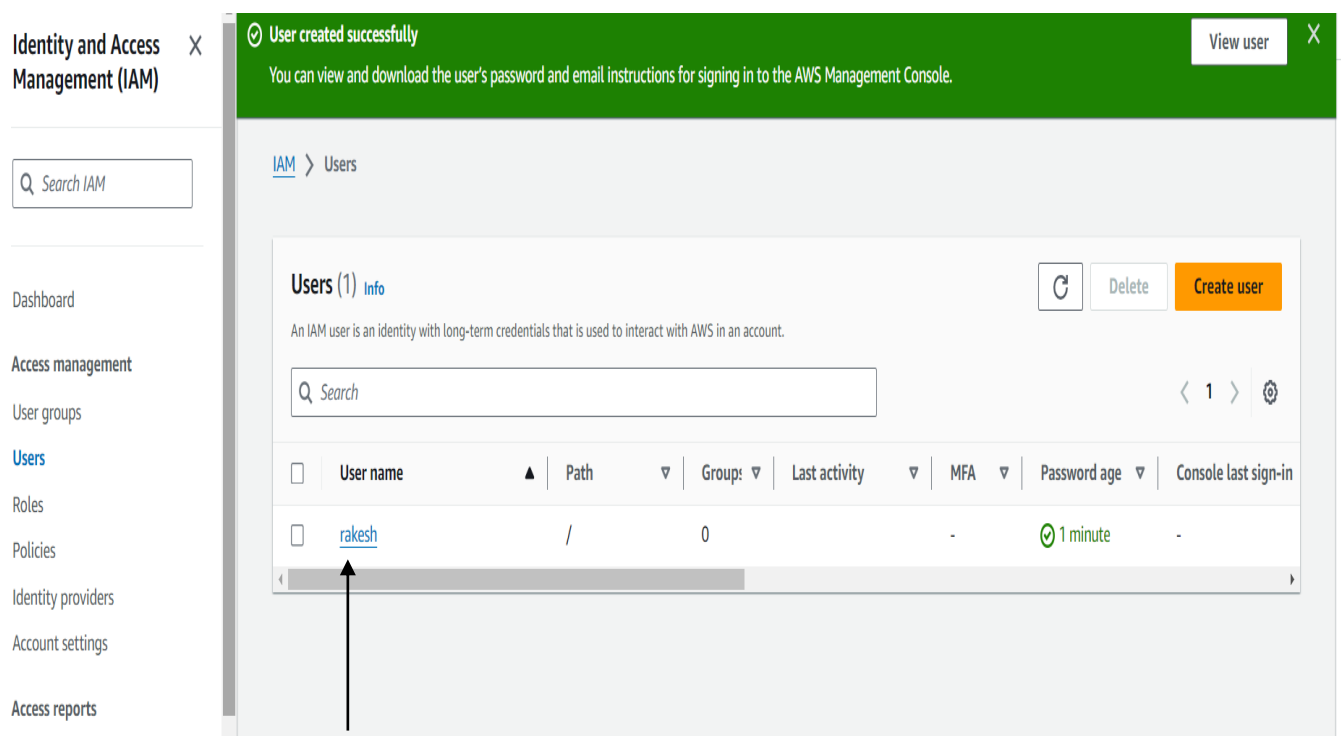
You can add up to 50 more tags.

Cancel Previous **Create user**

STEP 10: In below picture you will see **User created successfully**.
To view user **click on Return to user list**.

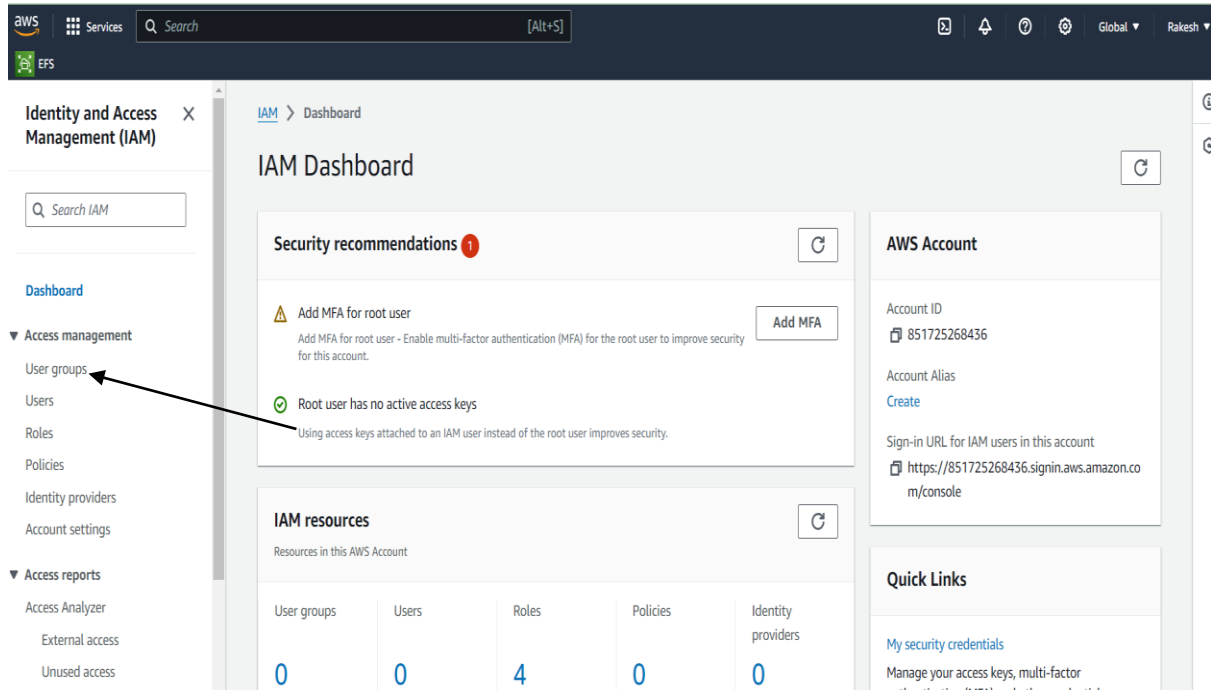


STEP 11: In below picture you will find User **rakesh** got created in the **User List**.

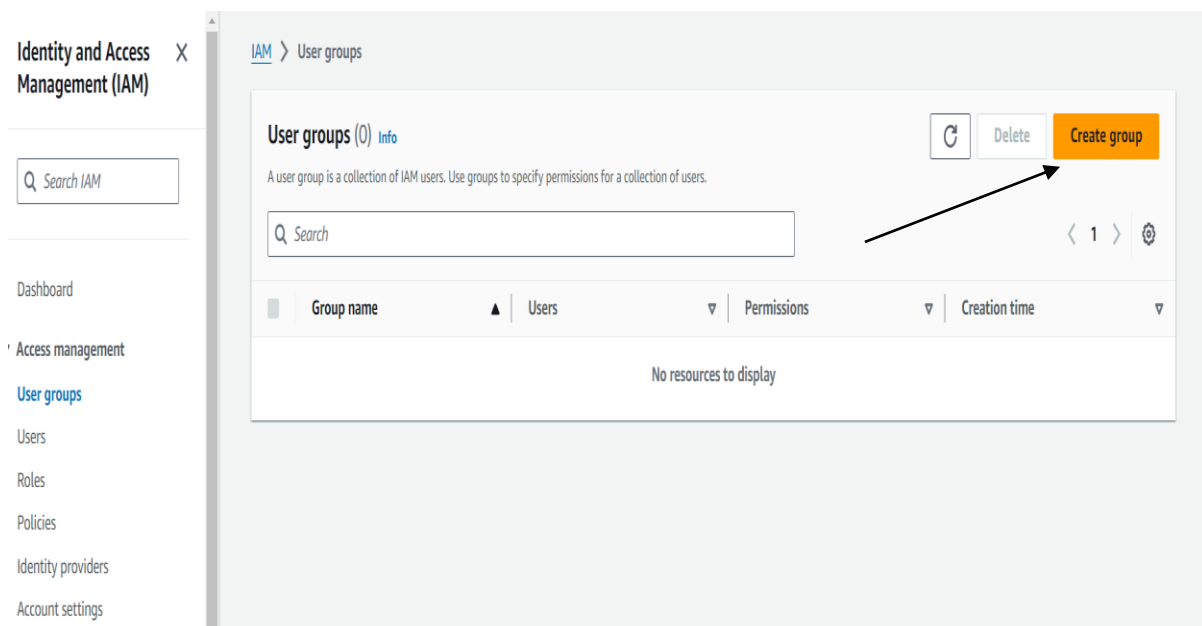


CREATION OF IAM GROUP

STEP 1: In IAM Dashboard under **Access management** click on **User Group**.



STEP 2: Click on **Create group**.



STEP 3: 1st Give Group name { staragile}.
And add User {rakesh} as shown as below.

Create user group

Name the group

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

staragile

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

Add users to the group - Optional (1/1) [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.

Search

<input checked="" type="checkbox"/>	User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/>	rakesh	0	None	5 minutes ago

Attach permissions policies - Optional (925) [Info](#)

STEP 4: In same page **Attach any Permissions Policies [optional].**

Attach permissions policies - Optional (1/925) [Info](#)

You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.

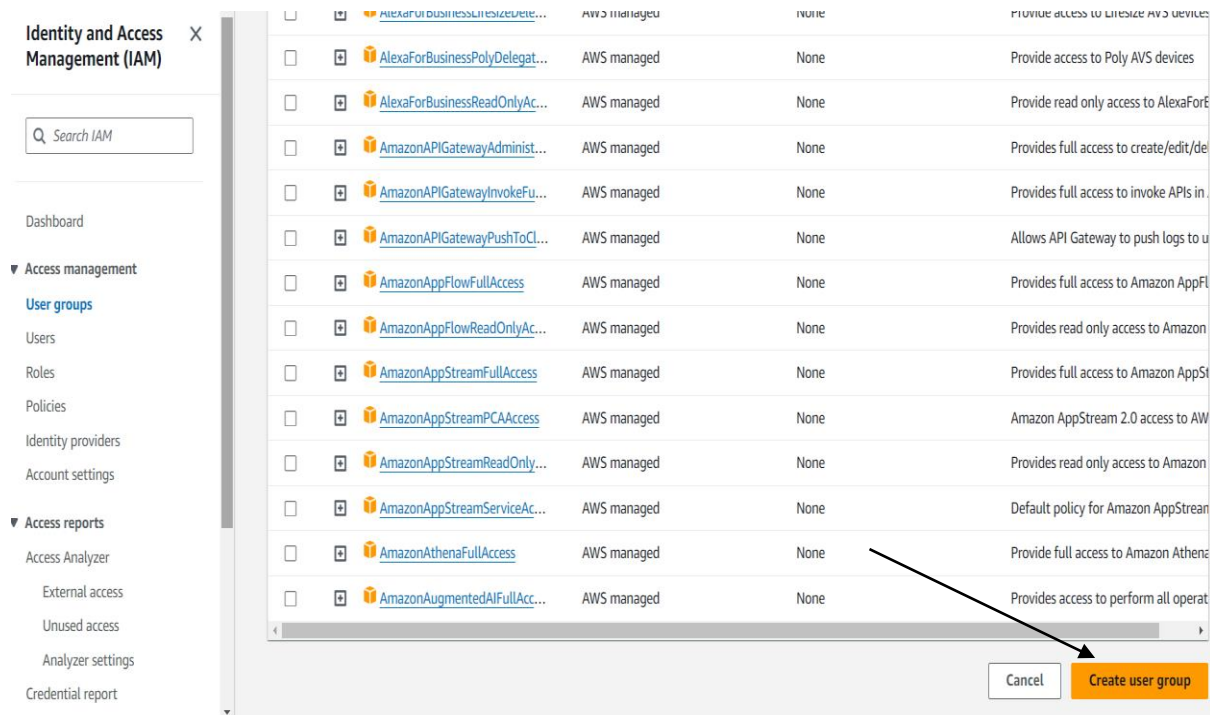
Filter by Type

Search

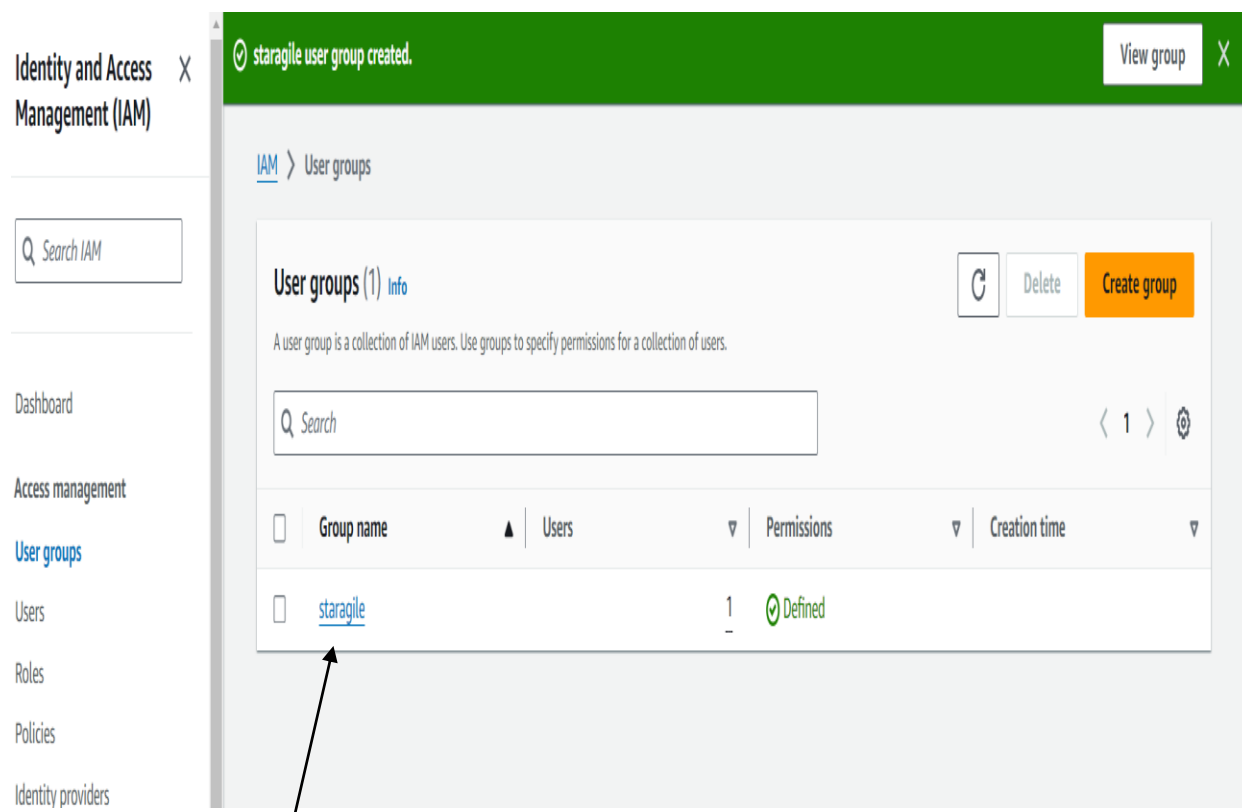
All types

<input checked="" type="checkbox"/>	Policy name	Type	Used as	Description
<input checked="" type="checkbox"/>	AdministratorAccess	AWS managed - job function	None	Provides full access to AWS services a
<input type="checkbox"/>	AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permis
<input type="checkbox"/>	AdministratorAccess-AWSela...	AWS managed	None	Grants account administrative permis
<input type="checkbox"/>	AlexaForBusinessDeviceSetup	AWS managed	None	Provide device setup access to AlexaF
<input type="checkbox"/>	AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBusines
<input type="checkbox"/>	AlexaForBusinessGatewayExe...	AWS managed	None	Provide gateway execution access to
<input type="checkbox"/>	AlexaForBusinessLifesizeDele...	AWS managed	None	Provide access to Lifesize AVS devices
<input type="checkbox"/>	AlexaForBusinessPolyDelegat...	AWS managed	None	Provide access to Poly AVS devices
<input type="checkbox"/>	AlexaForBusinessReadOnlyAc...	AWS managed	None	Provide read only access to AlexaFor

STEP 5: After attaching policies **Click** on create Group.

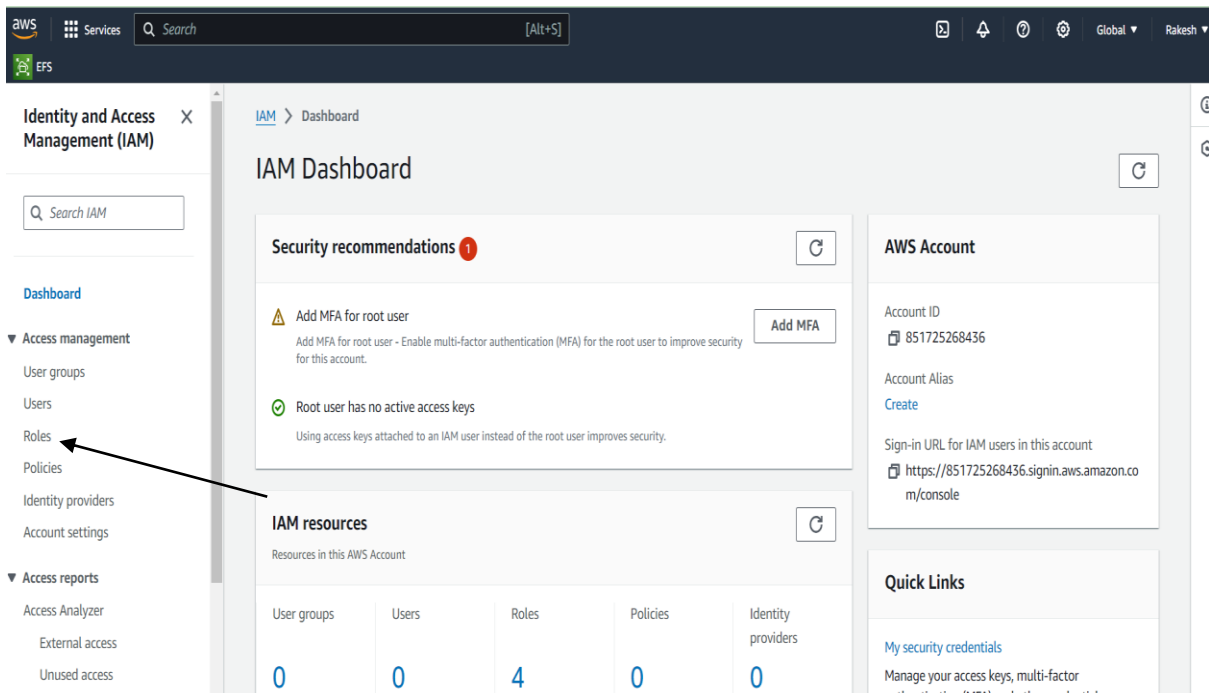


STEP 6: Group [staragile] got **Created**.

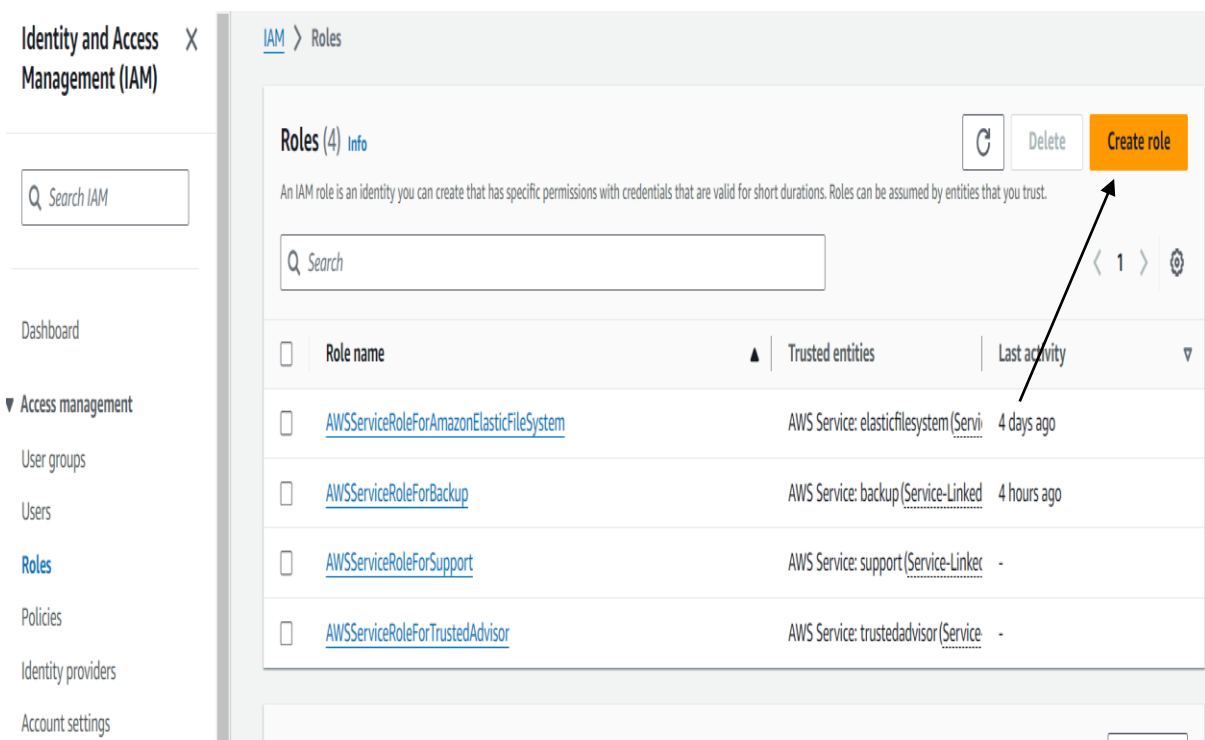


CREATION OF IAM ROLE

STEP 1: In IAM Dashboard under **Access management** click on **ROLES**.



STEP 2: Click on **Create Role**.



STEP 3: In Trusted entity type Select AWS service as shown below.

Step 1
Select trusted entity

Step 2
Add permissions

Step 3
Name, review, and create

Select trusted entity [Info](#)

Trusted entity type

- ☒ **AWS service**
Allow AWS services like EC2, Lambda, or others to perform actions in this account.
- ☐ **AWS account**
Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.
- ☐ **Web identity**
Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.
- ☐ **SAML 2.0 federation**
Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.
- ☐ **Custom trust policy**
Create a custom trust policy to enable others to perform actions in this account.

Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Service or use case

STEP 4: In use case search any AWS service [EC2] and select. And click on Next.

Step 1
Select trusted entity

Step 2
Add permissions

Step 3
Name, review, and create

Select trusted entity

Commonly used services

- EC2
- Lambda

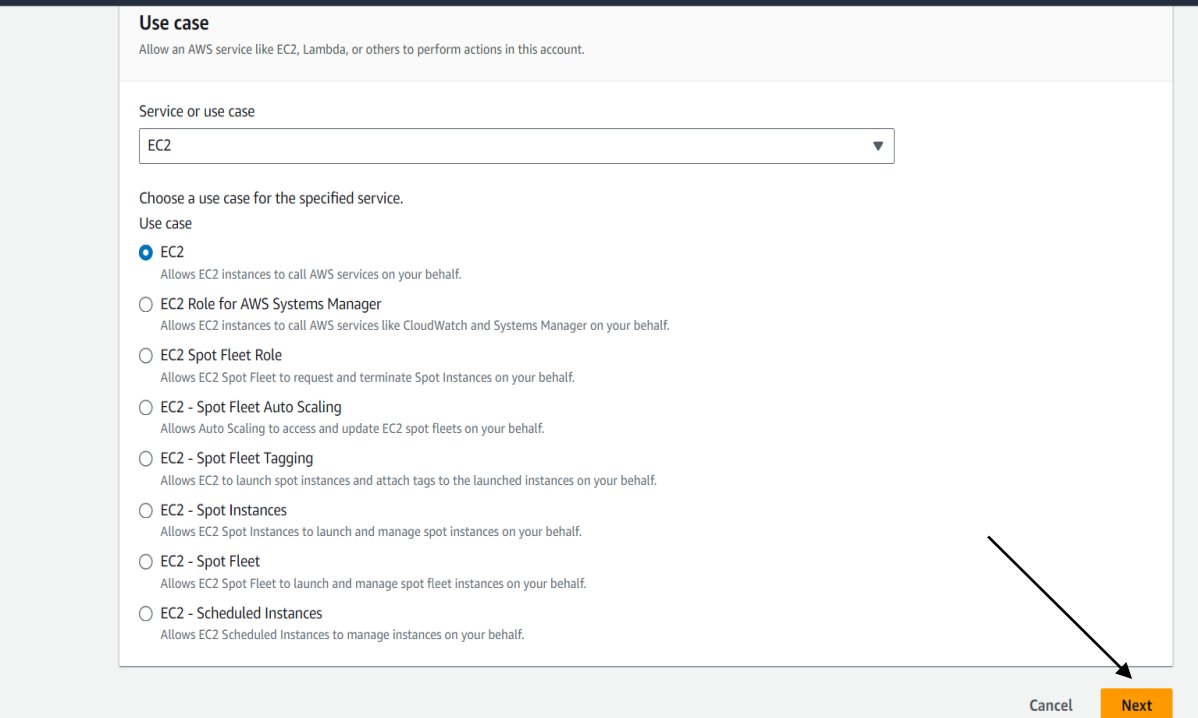
Other services

- Amazon EMR Serverless
- Amazon OpenSearch Service
- Amazon Q Business
- AmazonGrafana
- Amplify
- API Gateway
- AppFabric
- Application Auto Scaling
- Application Discovery Service
- Application Migration Service
- AppStream 2.0
- AppSync

Choose a service or use case

Cancel Next

STEP 5: Choose for specified service as shown below . And Click on Next.



Use case
Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

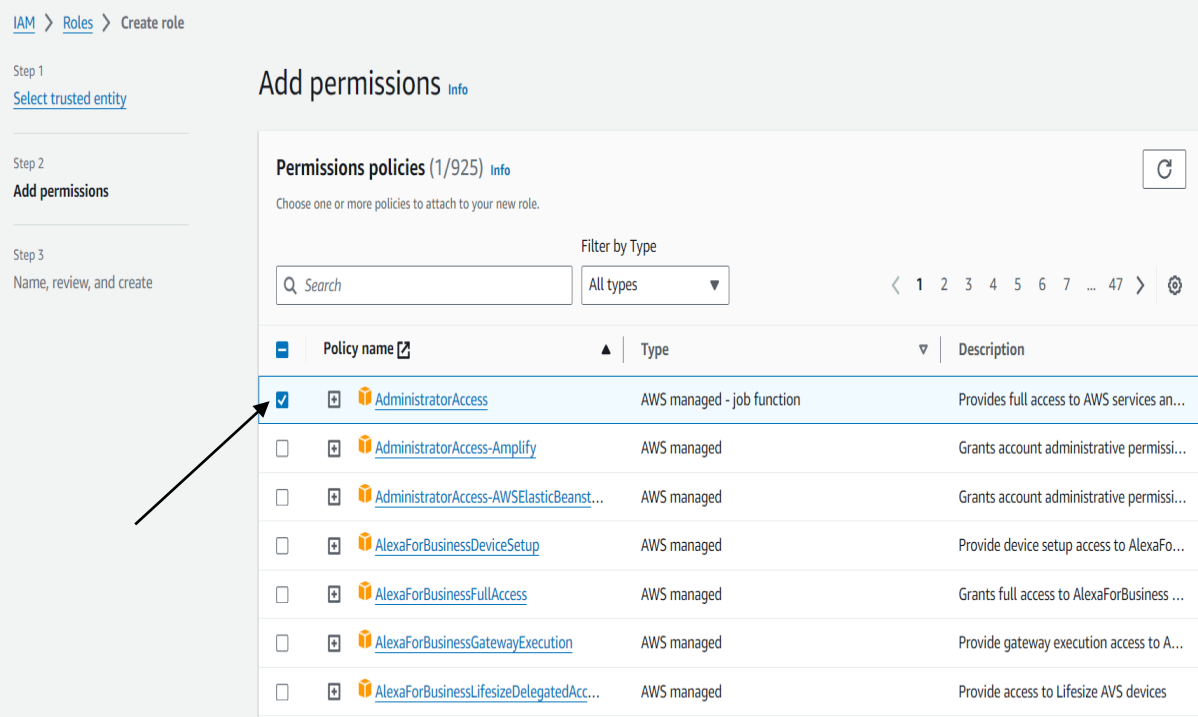
Service or use case
EC2 ▼

Choose a use case for the specified service.
Use case

- ☒ **EC2**
Allows EC2 instances to call AWS services on your behalf.
- ☐ **EC2 Role for AWS Systems Manager**
Allows EC2 instances to call AWS services like CloudWatch and Systems Manager on your behalf.
- ☐ **EC2 Spot Fleet Role**
Allows EC2 Spot Fleet to request and terminate Spot Instances on your behalf.
- ☐ **EC2 - Spot Fleet Auto Scaling**
Allows Auto Scaling to access and update EC2 spot fleets on your behalf.
- ☐ **EC2 - Spot Fleet Tagging**
Allows EC2 to launch spot instances and attach tags to the launched instances on your behalf.
- ☐ **EC2 - Spot Instances**
Allows EC2 Spot Instances to launch and manage spot instances on your behalf.
- ☐ **EC2 - Spot Fleet**
Allows EC2 Spot Fleet to launch and manage spot fleet instances on your behalf.
- ☐ **EC2 - Scheduled Instances**
Allows EC2 Scheduled Instances to manage instances on your behalf.

Cancel **Next**

STEP 6: In Add Permission attach any policies.



IAM > Roles > Create role

Step 1
[Select trusted entity](#)

Step 2
Add permissions

Step 3
Name, review, and create

Add permissions Info













Permissions policies (1/925) Info

Choose one or more policies to attach to your new role.

Filter by Type
Search All types < 1 2 3 4 5 6 7 ... 47 > ⚙

<input checked="" type="checkbox"/>	Policy name <small>🔗</small>	Type	Description
<input checked="" type="checkbox"/>	AdministratorAccess	AWS managed - job function	Provides full access to AWS services an...
<input type="checkbox"/>	AdministratorAccess-Amplify	AWS managed	Grants account administrative permissi...
<input type="checkbox"/>	AdministratorAccess-AWSElasticBeanst...	AWS managed	Grants account administrative permissi...
<input type="checkbox"/>	AlexaForBusinessDeviceSetup	AWS managed	Provide device setup access to AlexaFo...
<input type="checkbox"/>	AlexaForBusinessFullAccess	AWS managed	Grants full access to AlexaForBusiness ...
<input type="checkbox"/>	AlexaForBusinessGatewayExecution	AWS managed	Provide gateway execution access to A...
<input type="checkbox"/>	AlexaForBusinessLifsizeDelegatedAcc...	AWS managed	Provide access to Lifesize AVS devices

STEP 7: Click on Next.

<input type="checkbox"/>		AlexaForBusinessReadOnlyAccess	AWS managed	Provide read only access to AlexaForB...
<input type="checkbox"/>		AmazonAPIGatewayAdministrator	AWS managed	Provides full access to create/edit/dele...
<input type="checkbox"/>		AmazonAPIGatewayInvokeFullAccess	AWS managed	Provides full access to invoke APIs in A...
<input type="checkbox"/>		AmazonAPIGatewayPushToCloudWatc...	AWS managed	Allows API Gateway to push logs to us...
<input type="checkbox"/>		AmazonAppFlowFullAccess	AWS managed	Provides full access to Amazon AppFlo...
<input type="checkbox"/>		AmazonAppFlowReadOnlyAccess	AWS managed	Provides read only access to Amazon A...
<input type="checkbox"/>		AmazonAppStreamFullAccess	AWS managed	Provides full access to Amazon AppStr...
<input type="checkbox"/>		AmazonAppStreamPCAAccess	AWS managed	Amazon AppStream 2.0 access to AWS...
<input type="checkbox"/>		AmazonAppStreamReadOnlyAccess	AWS managed	Provides read only access to Amazon A...
<input type="checkbox"/>		AmazonAppStreamServiceAccess	AWS managed	Default policy for Amazon AppStream ...
<input type="checkbox"/>		AmazonAthenaFullAccess	AWS managed	Provide full access to Amazon Athena ...
<input type="checkbox"/>		AmazonAugmentedAIFullAccess	AWS managed	Provides access to perform all operati...

► Set permissions boundary - optional

Cancel Previous **Next**

STEP 8: In Role details type Role name [staragile].

IAM > Roles > Create role

Step 1
[Select trusted entity](#)

Step 2
[Add permissions](#)

Step 3
Name, review, and create

Name, review, and create

Role details

Role name
Enter a meaningful name to identify this role.

Maximum 64 characters. Use alphanumeric and '+', '@', '-', '_' characters.

Description
Add a short explanation for this role.

Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: '_', '+', '@', '-', '/', '[', ']', '#', '\$', '%', '^', '&', '*', '=', '<', '>', '<-', '>-'

Step 1: Select trusted entities Edit

Trust policy

```
1 {  
2   "Version": "2012-10-17",  
3   "Statement": [  
4     {  
5       "Effect": "Allow",  
6       "Principal": {  
7         "AWS": "arn:aws:iam::123456789012:role/Staragile"   
8     },  
9     "Action": "sts:AssumeRole"  
10  ]  
11 }
```

STEP 9: Click on Create Role.

Step 2: Add permissions Edit

Permissions policy summary

Policy name	Type	Attached as
AdministratorAccess	AWS managed - job function	Permissions policy

Step 3: Add tags

Add tags - optional [Info](#)

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

[Add new tag](#)

You can add up to 50 more tags.

Cancel Previous Create role

STEP 10: Role [staragile] got created.

Identity and Access Management (IAM)

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Role staragile created. View role

Roles (5) [Info](#) Refresh Delete Create role

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

<input type="checkbox"/>	Role name	Trusted entities	Last activity
<input type="checkbox"/>	AWSServiceRoleForAmazonElasticFileSystem	AWS Service: elasticfilesystem(Servi	4 days ago
<input type="checkbox"/>	AWSServiceRoleForBackup	AWS Service: backup(Service-Linker	5 hours ago
<input type="checkbox"/>	AWSServiceRoleForSupport	AWS Service: support(Service-Linker	-
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor(Service	-
<input type="checkbox"/>	staragile	AWS Service: ec2	-