

# Phase5-16 Create an IAM Role

## Creating an IAM role

- In the IAM panel, click on *Roles* -> *Create role*

The top screenshot shows the AWS IAM dashboard. The left sidebar contains the 'Identity and Access Management (IAM)' section with a search bar and a list of links: Dashboard, Access management (User groups, Users, Roles, Policies, Identity providers, Account settings), and Access reports (Access analyzer, Archive rules). The main content area displays the 'IAM dashboard' with 'Security recommendations' (Add MFA for root user, Root user has no active access keys), 'IAM resources' (User groups: 1, Users: 1, Roles: 4, Policies: 0, Identity providers: 0), and 'What's new'. The right sidebar shows 'AWS Account' information and 'Quick Links'.

The bottom screenshot shows the 'IAM > Roles' page. It features a 'Roles (4) Info' section with a description and a 'Create role' button. Below this is a table of roles:

<input type="checkbox"/>	Role name	Trusted entities	Last activity
<input type="checkbox"/>	AWSServiceRoleForOrganizations	AWS Service: organizations (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForSSO	AWS Service: sso (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForSupport	AWS Service: support (Service-Linked Role)	-
<input type="checkbox"/>	AWSServiceRoleForTrustedAdvisor	AWS Service: trustedadvisor (Service-Linked Role)	-

At the bottom, there is a 'Roles Anywhere' section with a 'Manage' button.

- Select the service  
Aws service

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/create?step=selectEntities

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Services Search [Alt+S]

IAM > Roles > Create role

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.

Common use cases

- ☐ **EC2**  
Allows EC2 instances to call AWS services on your behalf.

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us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/create?step=selectEntities

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Services Search [Alt+S]

Name, review, and create

- ☒ **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.
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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.

Common use cases

- ☒ **EC2**  
Allows EC2 instances to call AWS services on your behalf.
- ☐ **Lambda**  
Allows Lambda functions to call AWS services on your behalf.

Use cases for other AWS services:

Choose a service to view use case

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Click Next button

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/create?commonUseCase=EC2&step=addPermission&trustedEntityType=AWS\_SERVICE

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Services Search [Alt+S]

Global Akshatha

IAM > Roles > Create role

Step 1  
Select trusted entity

Step 2  
Add permissions

Step 3  
Name, review, and create

### Add permissions [Info](#)

Permissions policies (865) [Info](#)

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

Filter policies by property or policy name and press enter.

<input type="checkbox"/>	Policy name <a href="#">↗</a>	Type <a href="#">▼</a>	Description
<input type="checkbox"/>	AdministratorAccess	AWS m...	Provides full access to AWS services and resources.
<input type="checkbox"/>	PowerUserAccess	AWS m...	Provides full access to AWS services and resources, but does not allow m...
<input type="checkbox"/>	ReadOnlyAccess	AWS m...	Provides read-only access to AWS services and resources.
<input type="checkbox"/>	AWSCloudFormatio...	AWS m...	Provides access to AWS CloudFormation via the AWS Management Cons...
<input type="checkbox"/>	CloudFrontFullAccess	AWS m...	Provides full access to the CloudFront console plus the ability to list Amaz...
<input type="checkbox"/>	AWSCloudHSMFull...	AWS m...	Provides full access to all CloudHSM resources.

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us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/create?commonUseCase=EC2&step=addPermission&trustedEntityType=AWS\_SERVICE

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Services Search [Alt+S]

Global Akshatha

Step 2  
Add permissions

Step 3  
Name, review, and create

### Permissions policies (Selected 1/865) [Info](#)

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

s3 9 matches

s3 Clear filters

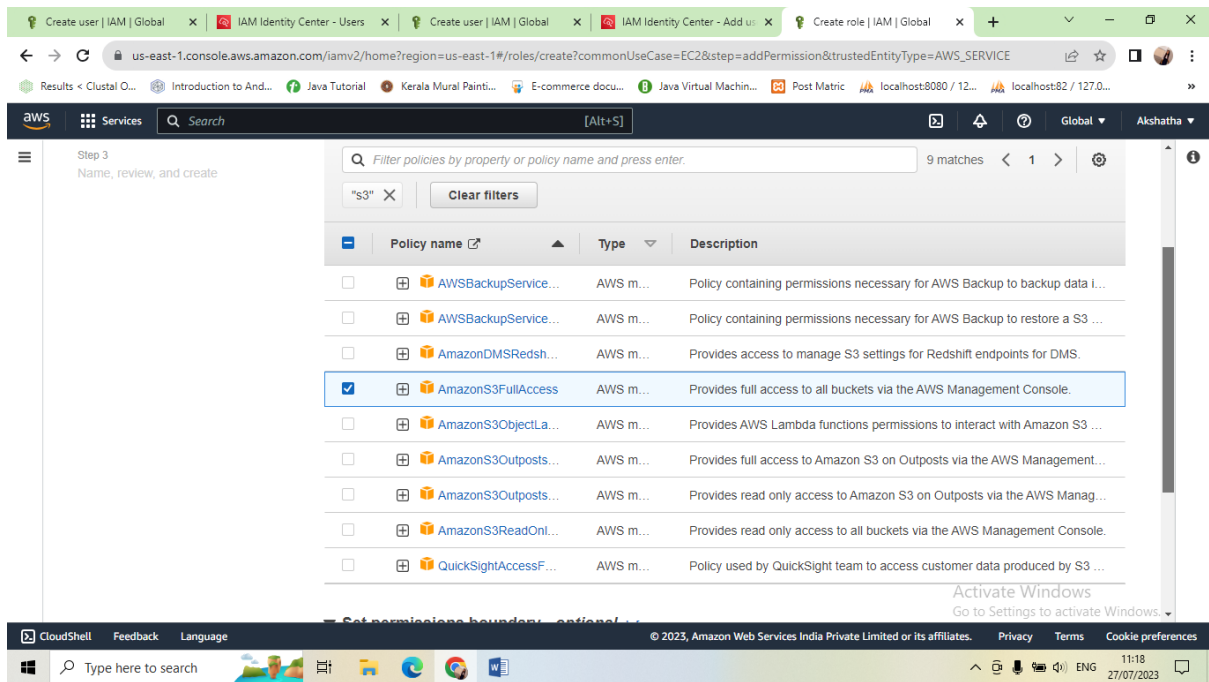
<input checked="" type="checkbox"/>	Policy name <a href="#">↗</a>	Type <a href="#">▼</a>	Description
<input type="checkbox"/>	AWSBackupService...	AWS m...	Policy containing permissions necessary for AWS Backup to backup data I...
<input type="checkbox"/>	AWSBackupService...	AWS m...	Policy containing permissions necessary for AWS Backup to restore a S3 ...
<input type="checkbox"/>	AmazonDMSRedsh...	AWS m...	Provides access to manage S3 settings for Redshift endpoints for DMS.
<input type="checkbox"/>	AmazonS3FullAccess	AWS m...	Provides full access to all buckets via the AWS Management Console.
<input type="checkbox"/>	AmazonS3ObjectLa...	AWS m...	Provides AWS Lambda functions permissions to interact with Amazon S3 ...
<input type="checkbox"/>	AmazonS3Outposts...	AWS m...	Provides full access to Amazon S3 on Outposts via the AWS Management...
<input type="checkbox"/>	AmazonS3Outposts...	AWS m...	Provides read only access to Amazon S3 on Outposts via the AWS Manag...
<input type="checkbox"/>	AmazonS3ReadOnl...	AWS m...	Provides read only access to all buckets via the AWS Management Console

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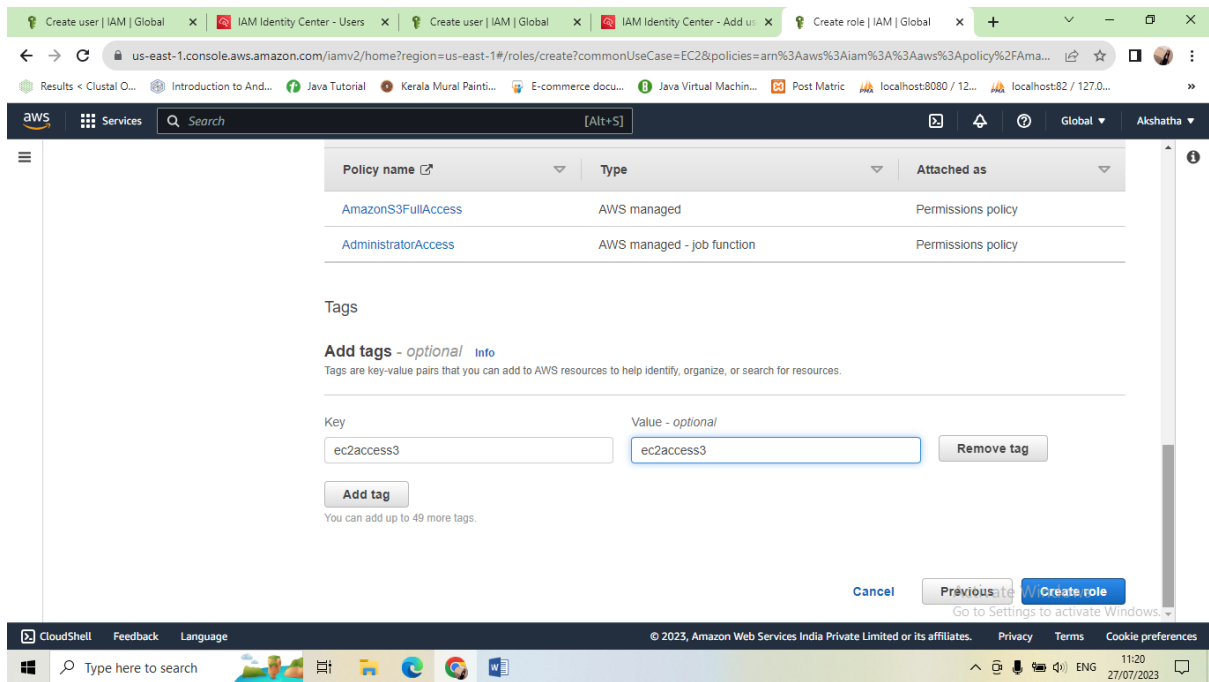
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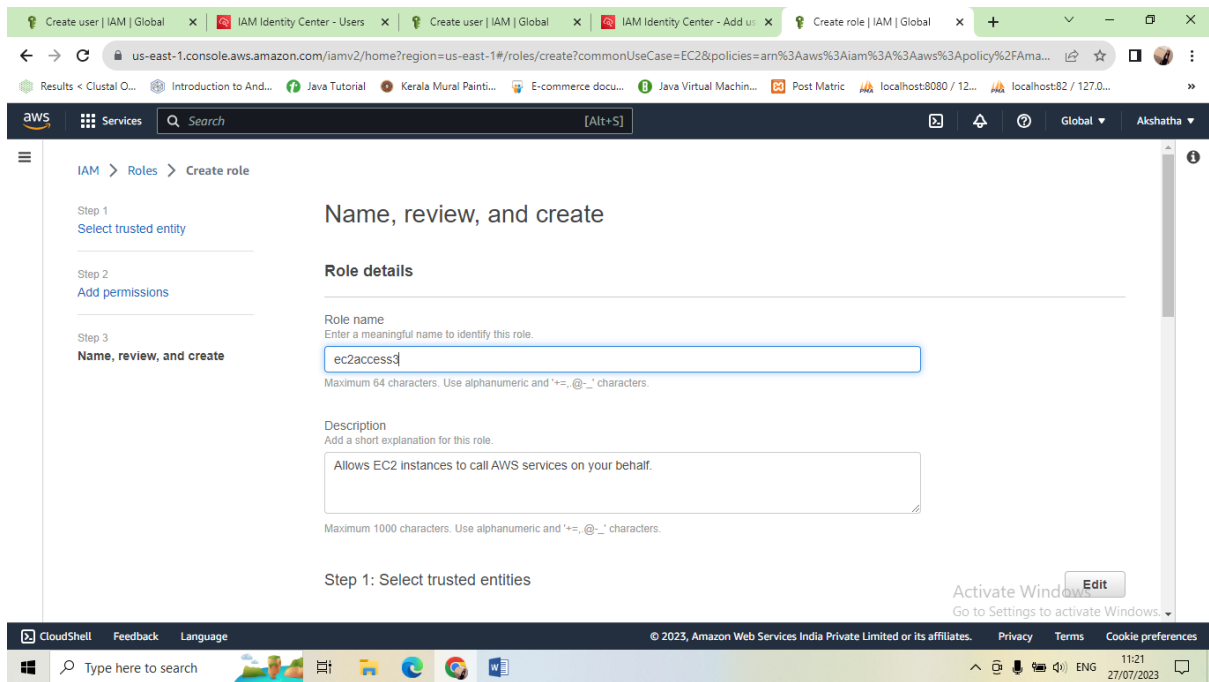
Type here to search



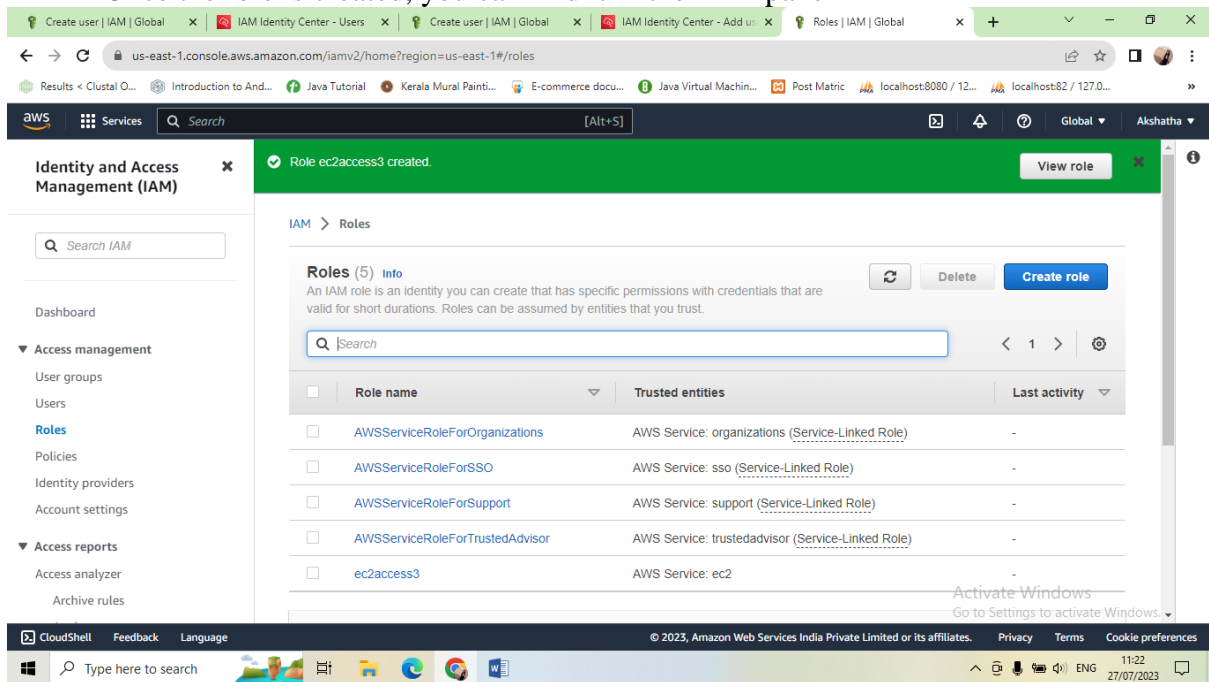
## Providing a key and a value for the role

- Add a key and a value to the role





- Once the role is created, you can find it in the IAM panel



Create user | IAM | GlobalIAM Identity Center - UsersCreate user | IAM | GlobalIAM Identity Center - Add usRoles | IAM | Global

us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/home

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Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules

IAM dashboard

Security recommendations1

Add MFA for root user

Add MFA for root user - Enable multi-factor authentication (MFA) for the root user to improve security for this account.

Add MFA

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	Users	Roles	Policies	Identity providers
1	1	5	0	0

What's new

Updates for features in IAM

View all

AWS Account

Account ID

065338297267

Account Alias

065338297267Create

Sign-in URL for IAM users in this account

https://065338297267.signin.aws.amazon.com/console

Quick Links

My security credentials

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

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