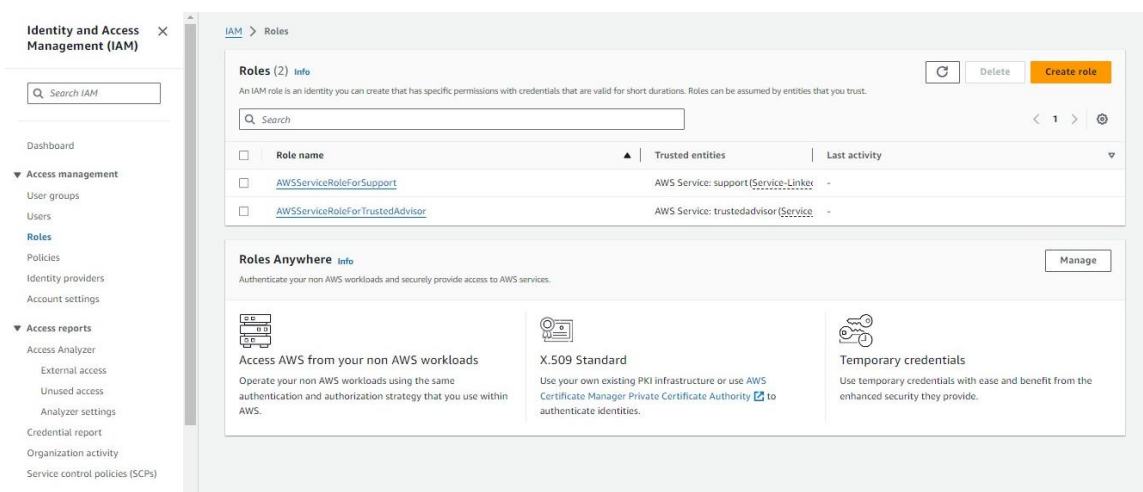


ROLE

Role is the resource of IAM service which is use to communicate between services without user we can create roles with the help of following steps:-

- Go to IAM service select the role from role option.
- Go to role select create role and select service for which we want to create role.
- Then click next and select another service which we want to give permission.
- Your role will be created.
- Go to EC2 service and create one instance (launch instances).
- Give name to instance provide image (aws Linux) & key pair.
- Your instance will be ready.
- Select instance go to action -->security --> modify IAM role.
- Change role with our role.
- Connect the instance & run aws s3 ls and our role play that we can able to see s3 buckets. (Without user login).



IAM > Roles > Create role

Step 1
Select trusted entity

Step 2
Add permissions

Step 3
Name, review, and create

Select trusted entity info

☒ **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:
EC2

Choose a use case for the specified service.

Use case

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

CloudShellFeedback

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IAM > Roles > Create role

Step 1
Select trusted entity

Step 2
Add permissions

Step 3
Name, review, and create

Add permissions info

Permissions policies (1/910) info

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

Filter by Type

9 matches

Search: s3

All types

<input type="checkbox"/>	Policy name	Type	Description
<input type="checkbox"/>	AmazonDMSRedshiftS3Role	AWS managed	Provides access to manage S3 settings...
<input checked="" type="checkbox"/>	AmazonS3FullAccess	AWS managed	Provides full access to all buckets via t...
<input type="checkbox"/>	AmazonS3ObjectLambdaExecutionRolePolicy	AWS managed	Provides AWS Lambda functions permi...
<input type="checkbox"/>	AmazonS3OutpostsFullAccess	AWS managed	Provides full access to Amazon S3 on ...
<input type="checkbox"/>	AmazonS3OutpostsReadOnlyAccess	AWS managed	Provides read only access to Amazon S...
<input type="checkbox"/>	AmazonS3ReadOnlyAccess	AWS managed	Provides read only access to all bucket...
<input type="checkbox"/>	AWSS3BackupServiceRolePolicyforS3Backup	AWS managed	Policy containing permissions necessar...
<input type="checkbox"/>	AWSS3BackupServiceRolePolicyforS3Restore	AWS managed	Policy containing permissions necessar...
<input type="checkbox"/>	QuickSightAccessForS3StorageManagementAnalytic...	AWS managed	Policy used by QuickSight team to acc...

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

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

Access reports

- Access Analyzer
 - External access
 - Unused access
 - Analyzer settings
- Credential report
- Organization activity
- Service control policies (SCPs)

Role perm created.

View role

IAM > Roles

Roles (3) Info

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.

Search

☐

Role name

☐

Trusted entities

☐

Last activity

☐

[AWSServiceRoleForSupport](#)

AWS Service: support([Service-Linker](#))

☐

[AWSServiceRoleForTrustedAdvisor](#)

AWS Service: trustedadvisor([Service](#))

☐

[perm](#)

AWS Service: ec2

Roles Anywhere Info

Authenticate your non AWS workloads and securely provide access to AWS services.

Access AWS from your non AWS workloads

Operate your non AWS workloads using the same authentication and authorization strategy that you use within AWS.

X.509 Standard

Use your own existing PKI infrastructure or use [AWS Certificate Manager Private Certificate Authority](#) to authenticate identities.

Temporary credentials

Use temporary credentials with ease and benefit from the enhanced security they provide.

EC2 Dashboard

EC2 Global View

Events

Console-to-Code

Preview

Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations
- [New](#)

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Resources

EC2 Global view

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Instances (running)

1

Elastic IPs

0

Load balancers

0

Snapshots

0

Auto Scaling Groups

0

Instances

1

Placement groups

0

Volumes

1

Dedicated Hosts

0

Key pairs

4

Security groups

5

Launch instance

Migrate a server

Note: Your instances will launch in the US East (N. Virginia) Region

Instance alarms

View in CloudWatch

0 in alarm

0 OK

0 insufficient data

Service health

AWS Health Dashboard

Region

US East (N. Virginia)

Zones

Zone name

Zone ID

us-east-1a

use1-az1

us-east-1b

use1-az2

us-east-1c

use1-az4

EC2 Free Tier Info

Offers for all AWS Regions.

2 EC2 free tier offers in use

End of month forecast

0 offers forecasted to exceed free tier limit.

Exceeds free tier

0 offers exceeded and is now pay-as-you-go pricing.

View Global EC2 resources

Offer usage (monthly)

Linux EC2 Instances

714.106667 hours remaining

5%

Storage space on EBS

29.69 GB remaining

1%

View all AWS Free Tier offers

Account attributes

Default VPC

EC2 Dashboard

EC2 Global View

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Console-to-Code

Preview

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Instances (1) Info

Connect

Instance state ▼

Actions ▼

Launch instances ▼

Find Instance by attribute or tag (case-sensitive)

Any state ▼

< 1 > ⓘ

<input type="checkbox"/>	Name ↗	Instance ID	Instance state ▼	Instance type ▼	Status check	Alarm status	Availability Zone ▼	Public IPv4 D
<input type="checkbox"/>	kaneki	i-0854c5f826b5f7af4	Running ⓘ ⓘ	t2.micro	2/2 checks passed	View alarms +	us-east-1b	ec2-18-233-1

Select an instance

EC2 > Instances > Launch an instance

Success

Successfully initiated launch of instance (i-04df786e081d864e0)

Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

< 1 2 3 4 5 6 >

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing alerts ⓘ

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance ⓘ

Learn more ⓘ

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database ⓘ

Create a new RDS database ⓘ

Learn more ⓘ

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy ⓘ

EC2 Dashboard

EC2 Global View

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Preview

▼ Instances

Instances

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Reserved Instances

Dedicated Hosts

Capacity Reservations

New

▼ Images

AMIs

AMI Catalog

▼ Elastic Block Store

Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

Any state

	Name	Instance ID	Instance state	Instance type	Status check	Alarm state
<input type="checkbox"/>	kaneki	i-0854c5f826b5f7af4	Running	t2.micro	2/2 checks passed	View alarm
<input checked="" type="checkbox"/>	yum	i-04df786e081d864e0	Running	t2.micro	Initializing	View alarm

Instance: i-04df786e081d864e0 (yum)

Details | Status and alarms New | Monitoring | Security | Networking | Storage | Tags

▼ Instance summary Info

Instance ID

i-04df786e081d864e0 (yum)

Public IPv4 address

44.212.32.102 [open address](#)

Private IPv4 addresses

172.31.84.101

IPv6 address

-

Instance state

Running

Public IPv4 DNS

ec2-44-212-32-102.compute-1.amazonaws.com [open](#)

Actions

Launch instances

Connect

View details

Manage instance state

Instance settings

Networking

Security

Image and templates

Monitor and troubleshoot

EC2 > Instances > i-04df786e081d864e0 > Modify IAM role

Modify IAM role Info

Attach an IAM role to your instance.

Instance ID

i-04df786e081d864e0 (yum)

IAM role

Select an IAM role to attach to your instance or create a new role if you haven't created any. The role you select replaces any roles that are currently attached to your instance.

perm

Create new IAM role

Cancel

Update IAM role

