

Attach S3 to EC2

# Create role

1

2

3

4

## Select type of trusted entity



**AWS service**  
EC2, Lambda and others



**Another AWS account**  
Belonging to you or 3rd party



**Web identity**  
Cognito or any OpenID provider



**SAML 2.0 federation**  
Your corporate directory

Allows AWS services to perform actions on your behalf. [Learn more](#)

## Choose a use case

### 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.

### Or select a service to view its use cases

<a href="#">API Gateway</a>	<a href="#">CloudWatch Events</a>	<a href="#">EKS</a>	<a href="#">IoT Things Graph</a>	<a href="#">Redshift</a>
<a href="#">AWS Backup</a>	<a href="#">CodeBuild</a>	<a href="#">EMR</a>	<a href="#">KMS</a>	<a href="#">Rekognition</a>
<a href="#">AWS Chatbot</a>	<a href="#">CodeDeploy</a>	<a href="#">ElastiCache</a>	<a href="#">Kinesis</a>	<a href="#">RoboMaker</a>
<a href="#">AWS Marketplace</a>	<a href="#">CodeGuru</a>	<a href="#">Elastic Beanstalk</a>	<a href="#">Lake Formation</a>	<a href="#">S3</a>
<a href="#">AWS Support</a>	<a href="#">CodeStar Notifications</a>	<a href="#">Elastic Container Registry</a>	<a href="#">Lambda</a>	<a href="#">SMS</a>
<a href="#">Amplify</a>	<a href="#">Comprehend</a>	<a href="#">Elastic Container Service</a>	<a href="#">Lex</a>	<a href="#">SNS</a>

\* Required

Cancel

Next: Permissions

# Create role

## ▼ Attach permissions policies

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



Create policy



Filter policies ▼

Search

Showing 796 results

		Policy name ▼	Used as
<input type="checkbox"/>	▶	 AccessAnalyzerServiceRolePolicy	Permissions policy (1)
<input type="checkbox"/>	▶	 AdministratorAccess	Permissions policy (3)
<input type="checkbox"/>	▶	 AdministratorAccess-Amplify	None
<input type="checkbox"/>	▶	 AlexaForBusinessDeviceSetup	None
<input type="checkbox"/>	▶	 AlexaForBusinessFullAccess	None
<input type="checkbox"/>	▶	 AlexaForBusinessGatewayExecution	None
<input type="checkbox"/>	▶	 AlexaForBusinessLifesizeDelegatedAccessPolicy	None
<input type="checkbox"/>	▶	 AlexaForBusinessNetworkProfileServicePolicy	None

## ▶ Set permissions boundary

[Create policy](#)

Policy actions ▾

Snipping Tool



Filter policies ▾

Showing 796 results

Policy name ▾

Type

Used as

Description

<input type="radio"/>	▶	<a href="#">AccessAnalyzerServiceRolePolicy</a>	AWS managed	Permissions policy (1)	Allow Access Analyzer to analyze resource metadata
<input type="radio"/>	▶	<a href="#">AdministratorAccess</a>	Job function	Permissions policy (3)	Provides full access to AWS services and resources.
<input type="radio"/>	▶	<a href="#">AdministratorAccess-Amplify</a>	AWS managed	None	Grants account administrative permissions while explicitly allowing direct access to resources ne...
<input type="radio"/>	▶	<a href="#">AlexaForBusinessDeviceSetup</a>	AWS managed	None	Provide device setup access to AlexaForBusiness services
<input type="radio"/>	▶	<a href="#">AlexaForBusinessFullAccess</a>	AWS managed	None	Grants full access to AlexaForBusiness resources and access to related AWS Services
<input type="radio"/>	▶	<a href="#">AlexaForBusinessGatewayExecution</a>	AWS managed	None	Provide gateway execution access to AlexaForBusiness services
<input type="radio"/>	▶	<a href="#">AlexaForBusinessLifeseizeDelegatedAcces...</a>	AWS managed	None	Provide access to Lifesize AVS devices
<input type="radio"/>	▶	<a href="#">AlexaForBusinessNetworkProfileServiceP...</a>	AWS managed	None	This policy enables Alexa for Business to perform automated tasks scheduled by your network p...
<input type="radio"/>	▶	<a href="#">AlexaForBusinessPolyDelegatedAccessPo...</a>	AWS managed	None	Provide access to Poly AVS devices
<input type="radio"/>	▶	<a href="#">AlexaForBusinessReadOnlyAccess</a>	AWS managed	None	Provide read only access to AlexaForBusiness services
<input type="radio"/>	▶	<a href="#">AmazonAPIGatewayAdministrator</a>	AWS managed	Permissions policy (2)	Provides full access to create/edit/delete APIs in Amazon API Gateway via the AWS Manageme...
<input type="radio"/>	▶	<a href="#">AmazonAPIGatewayInvokeFullAccess</a>	AWS managed	Permissions policy (1)	Provides full access to invoke APIs in Amazon API Gateway.
<input type="radio"/>	▶	<a href="#">AmazonAPIGatewayPushToCloudWatchL...</a>	AWS managed	Permissions policy (1)	Allows API Gateway to push logs to user's account.
<input type="radio"/>	▶	<a href="#">AmazonAppFlowFullAccess</a>	AWS managed	None	Provides full access to Amazon AppFlow and access to AWS services supported as flow source ...
<input type="radio"/>	▶	<a href="#">AmazonAppFlowReadOnlyAccess</a>	AWS managed	None	Provides read only access to Amazon Appflow flows
<input type="radio"/>	▶	<a href="#">AmazonAnnStreamFullAccess</a>	AWS managed	None	Provides full access to Amazon AnnStream via the AWS Management Console

# Create policy

1

2

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

Visual editor

JSON

[Import managed policy](#)

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": [
7         "s3:GetBucketLocation",
8         "s3:ListAllMyBuckets"
9       ],
10      "Resource": "*"
11    },
12    {
13      "Effect": "Allow",
14      "Action": ["s3:ListBucket"],
15      "Resource": ["arn:aws:s3:::test"]
16    },
17    {
18      "Effect": "Allow",
19      "Action": [
20        "s3:PutObject",
21        "s3:GetObject",
22        "s3:DeleteObject"
23      ],
24      "Resource": ["arn:aws:s3:::test/*"]
25    }
26  ]
27 }
```

## Review policy

Name\*

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

Description

Maximum 1000 characters. Use alphanumeric and '+=, @-\_' characters.

Summary

Service ▼

Access level

Resource

Request condition

Allow (1 of 265 services) [Show remaining 264](#)

S3

Limited: List, Read, Write

Multiple

None

# Create role

- 1
- 2
- 3
- 4

## ▼ Attach permissions policies

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

Create policy

↺

Filter policies ▼

Q AttachEC2ToS3Policy

Showing 1 result

	Policy name ▼	Used as
<input type="checkbox"/>	▶ AttachEC2ToS3Policy	None

## Create role

1

2

3

4

### Review

Provide the required information below and review this role before you create it.

Role name\*

EC2S3ROLE|

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

Role description

Allows EC2 instances to call AWS services on your behalf.

Maximum 1000 characters. Use alphanumeric and '+,=, @, \_' characters.

Trusted entities

AWS service: ec2.amazonaws.com

Policies

[AttachEC2ToS3Policy](#) 

Permissions boundary

Permissions boundary is not set

No tags were added.





The role **EC2S3ROLE** has been created.

Create role

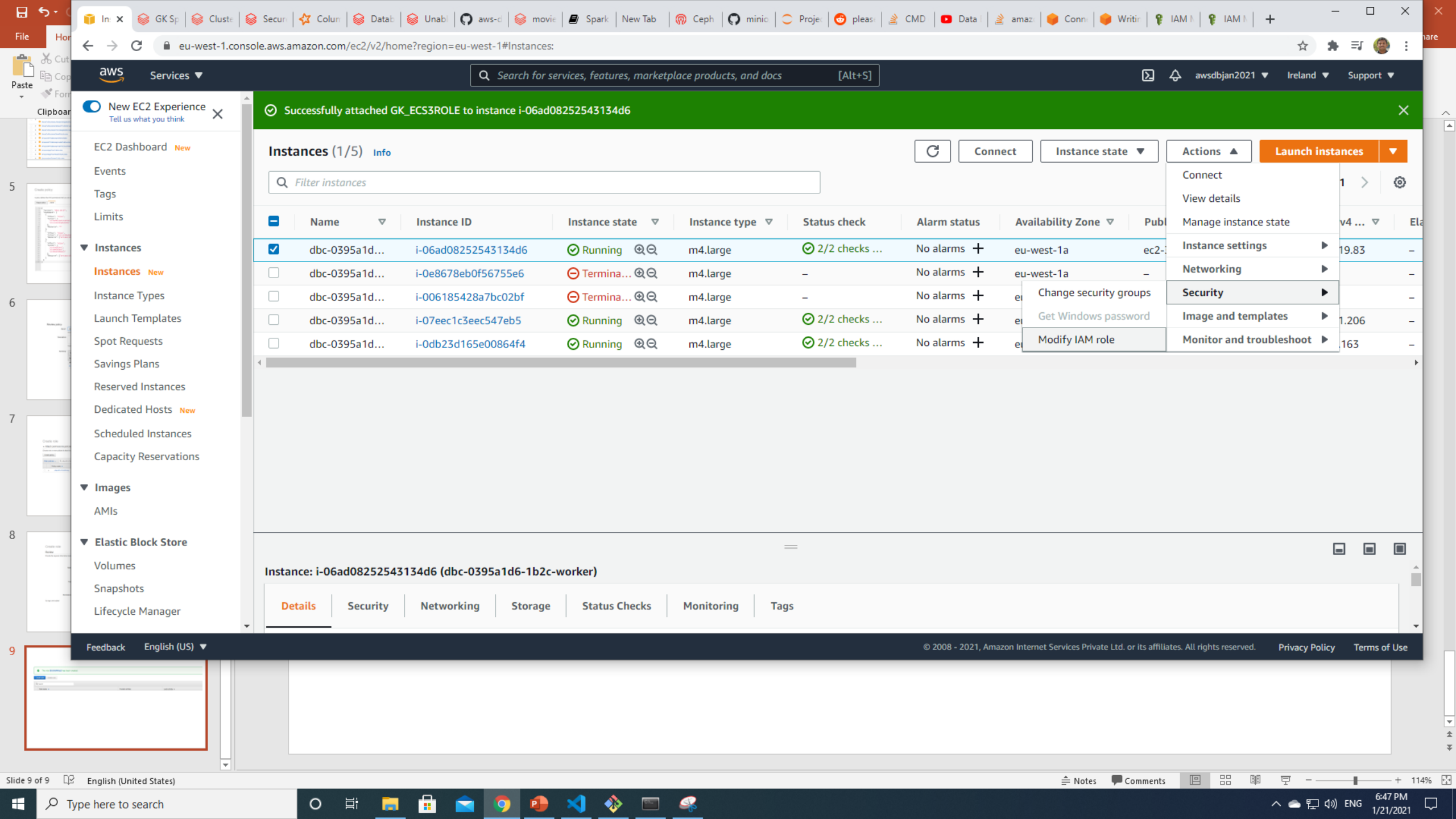
Delete role

 Search

Role name ▼

Trusted entities

Last activity ▼



Successfully attached GK\_ECS3ROLE to instance i-06ad08252543134d6

## Instances (1/5) Info

Filter instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP	Actions
<input checked="" type="checkbox"/>	dbc-0395a1d...	i-06ad08252543134d6	Running	m4.large	2/2 checks ...	No alarms +	eu-west-1a	ec2-	<div>Connect</div> <div>View details</div> <div>Manage instance state</div> <div>Instance settings</div> <div>Networking</div> <div>Security</div> <div>Image and templates</div> <div>Monitor and troubleshoot</div>
<input type="checkbox"/>	dbc-0395a1d...	i-0e8678eb0f56755e6	Termina...	m4.large	-	No alarms +	eu-west-1a	-	
<input type="checkbox"/>	dbc-0395a1d...	i-006185428a7bc02bf	Termina...	m4.large	-	No alarms +	eu-west-1a	-	
<input type="checkbox"/>	dbc-0395a1d...	i-07eec1c3eec547eb5	Running	m4.large	2/2 checks ...	No alarms +	eu-west-1a	-	
<input type="checkbox"/>	dbc-0395a1d...	i-0db23d165e00864f4	Running	m4.large	2/2 checks ...	No alarms +	eu-west-1a	-	

Instance: i-06ad08252543134d6 (dbc-0395a1d6-1b2c-worker)

Details Security Networking Storage Status Checks Monitoring Tags

Feedback English (US)


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EC2 > Instances > i-06ad08252543134d6 > Modify IAM role

## Modify IAM role [Info](#)

Attach an IAM role to your instance.

Instance ID

 i-06ad08252543134d6 (dbc-0395a1d6-1b2c-worker)

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.

EC2S3ROLE



[Create new IAM role](#) 

Cancel


Save

```
avgRatingMoviesDF.write.format("csv").save("s3a://movie-lens-  
ds/gk-results/avg-rating2.csv")
```

```
ratingsDF = spark.read.option("header",  
"true").option("inferSchema", "true").csv("s3a://movie-lens-  
ds/100k/ratings.csv")
```

# From DataBricks

## Create New Table

Data source 

Upload File

S3


DBFS

Other Data Sources

Partner Integrations

For security reasons, if you need to specify AWS keys to create a table, please create the table in a notebook.

Create Table with UI

Create Table in Notebook 

## Select a Cluster to Preview the Table

Choose a cluster with which you will read and preview the data.

Cluster 

18\_it\_cluster

S3 Bucket Name 

movie-lens-ds

Browse Bucket

Select file from S3 Bucket

100k/  
1m-raw/  
1m/  
25m-raw/  
25m/  
gk-results/

## Create New Table

## Select a Cluster to Preview the Table

Choose a cluster with which you will read and preview the data.

Cluster 

18\_it\_cluster

S3 Bucket Name 

movie-lens-ds

Browse Bucket

Select file from S3 Bucket

100k/  
1m-raw/  
1m/  
25m-raw/  
25m/  
gk-results/

README.txt  
links.csv  
movies.csv  
ratings.csv  
tags.csv

Preview Table

## Specify Table Attributes

Specify the Table Name, Database and Schema to add this to the data UI for other users to access

Table Name 

Create in Database 

File Type 

Column Delimiter 

☒ First row is header 

☒ Infer schema 

☐ Multi-line 

 Create Table


 Create Table in  
Notebook

Table Preview

movieId	imdbId	tmdbId
INT	INT	INT
1	114709	862
2	113497	8844
3	113228	15602
4	114885	31357
5	113041	11862
6	113277	949
7	114319	11860

# Mounting

```
dbutils.fs.mount("s3a://movie-lens-ds", "/mnt/movies")  
display(dbutils.fs.ls("/mnt/%s" % "movies"))
```

cmd 10

```
1 display(dbutils.fs.ls("/mnt/%s" % "movies"))
```

► (2) Spark Jobs

	path ▲	name ▲	size ▲
1	dbfs:/mnt/movies/100k/	100k/	0
2	dbfs:/mnt/movies/1m/	1m/	0
3	dbfs:/mnt/movies/1m-row/	1m-row/	0
4	dbfs:/mnt/movies/25m/	25m/	0
5	dbfs:/mnt/movies/25m-row/	25m-row/	0
6	dbfs:/mnt/movies/rk_results/	rk_results/	0