

Queue details | Simple Queue Service

us-east-1.console.aws.amazon.com/sqs/v3/home

AI Apps

aws Search [Alt+S]

United States (N. Virginia) Rudrash%20Shah

Amazon SQS > Queues > QUEUE1

Queue QUEUE1 created successfully. You can now send and receive messages.

**QUEUE1**

**Details** Info

<b>Name</b> QUEUE1	<b>Type</b> Standard	<b>ARN</b> arn:aws:sqs:us-east-1:429367298217:QUEUE1
<b>Encryption</b> Amazon SQS key (SSE-SQS)	<b>URL</b> <a href="https://sqs.us-east-1.amazonaws.com/429367298217/QUEUE1">https://sqs.us-east-1.amazonaws.com/429367298217/QUEUE1</a>	<b>Dead-letter queue</b> -

**More**

**Queue policies** Info **Edit**

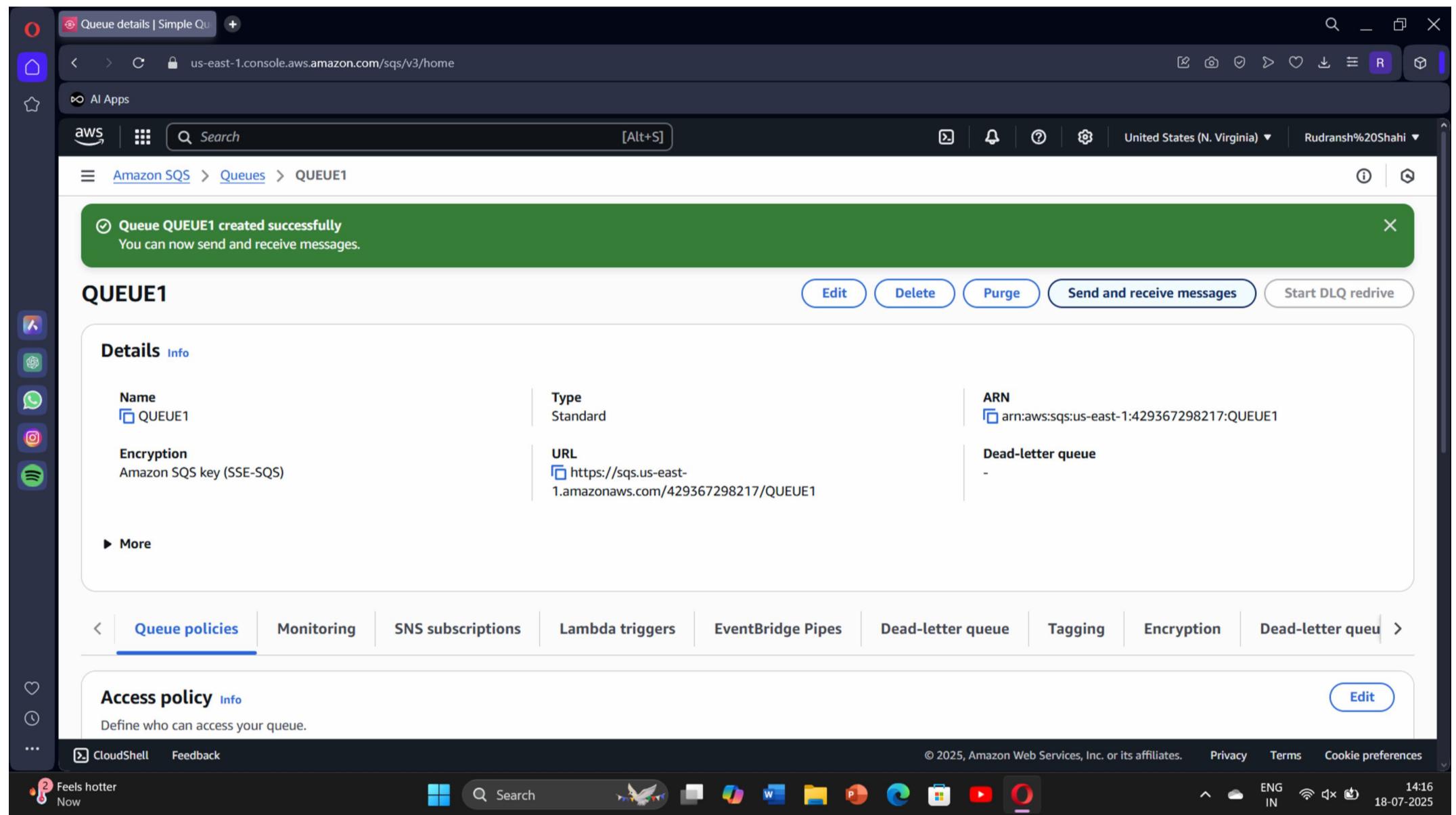
Monitoring SNS subscriptions Lambda triggers EventBridge Pipes Dead-letter queue Tagging Encryption Dead-letter queue

**Access policy** Info **Edit**

Define who can access your queue.

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Feels hotter Now ENG IN 14:16 18-07-2025



Queues | Simple Queue Svc AWS Lambda | Lambda

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Amazon SQS > Queues

Queues (1)

Search queues by prefix

Name Type Created Messages available Messages in flight Encryption

Name	Type	Created	Messages available	Messages in flight	Encryption
QUEUE1	Standard	2025-07-18T14:16+05:30	1	0	Amazon SQS key (SSE-SQS)

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NIFTY -0.64%

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14:17 18-07-2025

ENG IN

Queues | Simple Queue Service   Dashboard | IAM | Global   +

us-east-1.console.aws.amazon.com/iam/home

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IAM > Dashboard

**Identity and Access Management (IAM)**

Search IAM

**Dashboard**

**Access management**

- User groups
- Users
- Roles
- Policies
- Identity providers
- Account settings
- Root access management [New](#)

**Access reports**

- Access Analyzer
- Resource analysis [New](#)
- Unused access
- Analyzer settings

**New access analyzers available**  
Access Analyzer now analyzes internal access patterns to your critical resources within a single account or across your entire organization.

[Create new analyzer](#)

**IAM Dashboard** [Info](#)

**IAM resources**

User groups	Users	Roles	Policies	Identity providers
0	0	4	1	0

**AWS Account**

Account ID [429367298217](#)

Account Alias [Create](#)

Sign-in URL for IAM users in this account  
<https://429367298217.signin.aws.amazon.com/console>

**What's new** [View all](#)

Updates for features in IAM

- AWS IAM announces support for encrypted SAML assertions. [5 months ago](#)
- AWS CodeBuild announces support for project ARN and build ARN IAM condition keys. [6 months ago](#)
- IAM Roles Anywhere credential helper now supports TPM 2.0. [7 months ago](#)
- Announcing AWS STS support for ECDSA-based signatures of OIDC tokens. [8 months ago](#)

[more](#)

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Queues | Simple Queue Service | Create role | IAM | Global

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IAM > Roles > Create role

Step 1: Select trusted entity

Step 2: Add permissions

Step 3: Name, review, and create

Filter service or use case

Commonly used services

- EC2
- Lambda

Other services

- Amazon Aurora DSQL
- Amazon EMR Serverless
- Amazon OpenSearch Service
- Amazon Q Business
- AmazonGrafana
- Amplify
- API Gateway
- AppFabric
- Application Auto Scaling
- Application Discovery Service
- Application Migration Service

Choose a service or use case

Web identity

Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

Cancel Next

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AI Apps

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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 (1066) Info

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

Filter by Type

Policy name	Type	Description
<input type="checkbox"/> <a href="#">AmazonSQSFullAccess</a>	AWS managed	Provides full access to Amazon SQS via...
<input type="checkbox"/> <a href="#">AmazonSQSReadOnlyAccess</a>	AWS managed	Provides read only access to Amazon S...
<input type="checkbox"/> <a href="#">AWSLambdaSQSQueueExecutionRole</a>	AWS managed	Provides receive message, delete mess...
<input type="checkbox"/> <a href="#">SQSUnlockQueuePolicy</a>	AWS managed	Provides access required to unlock a S...

▶ Set permissions boundary - optional

Cancel Previous Next

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The screenshot shows the AWS IAM 'Create role' wizard at Step 2: 'Add permissions'. The user has typed 'SQS' into the search bar, which filters the available policies. The results show four AWS-managed policies related to Amazon SQS:

Policy name	Type	Description
<a href="#">AmazonSQSFullAccess</a>	AWS managed	Provides full access to Amazon SQS via...
<a href="#">AmazonSQSReadOnlyAccess</a>	AWS managed	Provides read only access to Amazon S...
<a href="#">AWSLambdaSQSQueueExecutionRole</a>	AWS managed	Provides receive message, delete mess...
<a href="#">SQSUnlockQueuePolicy</a>	AWS managed	Provides access required to unlock a S...

Queues | Simple Queue Se Create role | IAM | Global +

us-east-1.console.aws.amazon.com/iam/home

AI Apps

aws Search [Alt+S]

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

#### Trust policy

```
1  [
2    "Version": "2012-10-17",
3    "Statement": [
4      {
5        "Effect": "Allow",
6        "Action": [

```

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Queues | Simple Queue Se Create role | IAM | Global +

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IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

## Name, review, and create

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### Step 1: Select trusted entities

#### Trust policy

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1  [
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3    "Statement": [
4      {
5        "Effect": "Allow",
6        "Action": [

```

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The screenshot shows the AWS IAM Roles page. A green success message at the top states "Role ROLE2 created." The main table lists one role, "ROLE2", which is associated with the "AWS Service: lambda". Below the table, there are three cards: "Roles Anywhere", "Access AWS from your non AWS workloads", "X.509 Standard", and "Temporary credentials". The "Temporary credentials" card includes a note about using AWS Certificate Manager Private Certificate Authority. The left sidebar shows navigation options like Dashboard, Access management, and Access reports.

Queues | Simple Queue Se Roles | IAM | Global AWS Lambda | Lambda +

us-east-1.console.aws.amazon.com/lambda/home

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# AWS Lambda

lets you run code without thinking about servers.

You pay only for the compute time that you consume — there is no charge when your code is not running. With Lambda, you can run code for virtually any type of application or backend service, all with zero administration.

## Get started

Author a Lambda function from scratch, or choose from one of many preconfigured examples.

Create a function

### How it works

.NET Java Node.js Python Ruby Custom runtime

```
1 exports.handler = async (event) => {  
2   console.log(event);  
3   return 'Hello from Lambda!';  
4 };  
5
```

Run Next: Lambda responds to events

https://us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function?firstrun=true

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Air: Moderate Today ENG IN 14:22 18-07-2025

Queues | Simple Queue Se Roles | IAM | Global Create function | Function +

us-east-1.console.aws.amazon.com/lambda/home

AI Apps

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Lambda > Functions > Create function

FUNCTION2

Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (\_).

Runtime | Info Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Node.js 22.x

Architecture | Info Choose the instruction set architecture you want for your function code.

arm64  x86\_64

Permissions | Info By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▶ Change default execution role

▶ Additional configurations Use additional configurations to set up code signing, function URL, tags, and Amazon VPC access for your function.

Cancel Create function

Info Tutorials

Learn how to implement common use cases in AWS Lambda.

Create a simple web app ^

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

Learn more ↗ Start tutorial

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This screenshot shows the 'Create function' wizard in the AWS Lambda console. The main form has a function name 'FUNCTION2'. Under 'Runtime', 'Node.js 22.x' is selected. Under 'Architecture', 'x86\_64' is chosen. In the 'Permissions' section, it's noted that a default execution role is created for CloudWatch Logs. There are sections for 'Change default execution role' and 'Additional configurations'. On the right, a 'Tutorials' sidebar is open, showing a 'Create a simple web app' tutorial with steps to build and invoke a Lambda function. The bottom navigation bar includes CloudShell, Feedback, and links for privacy, terms, and cookie preferences. A system tray at the bottom shows battery status, network connection, and system time.

Queues | Simple Queue Se Roles | IAM | Global Add triggers | Lambda

us-east-1.console.aws.amazon.com/lambda/home

AI Apps

aws Search [Alt+S]

Lambda > Add triggers

Successfully deleted function: FUNCTION2

## Add trigger

### Trigger configuration Info

SQS

aws event-source-mapping polling queue

**SQS queue**  
Choose or enter the ARN of an SQS queue.

**Event poller configuration**

**Activate trigger**  
Select to activate the trigger now. Keep unchecked to create the trigger in a deactivated state for testing (recommended).

**Enable metrics**  
Monitor your event source with metrics. You can view those metrics in CloudWatch console. Enabling this feature incurs additional costs. [Learn more](#)

**Batch size - optional**  
The maximum number of records in each batch to send to the function.

10

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[Learn more](#)

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Queues | Simple Queue Se Roles | IAM | Global FUNCTION2 | Functions | +

us-east-1.console.aws.amazon.com/lambda/home

AI Apps

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Lambda > Functions > FUNCTION2

Successfully deleted function: FUNCTION2

FUNCTION2

The trigger QUEUE1 was successfully added to function FUNCTION2. The trigger is in a disabled state.

Function overview Info

Diagram | Template

FUNCTION2

Layers (0)

SQS

+ Add destination

+ Add trigger

Export to Infrastructure Composer Download ▾

Description

Last modified 49 seconds ago

Function ARN arn:aws:lambda:us-east-1:429367298217:function:FUNCTION2

Function URL Info

Tutorials

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