

S Q Roles | IAM | Global FUNCTION2 | Functions | +

Queues | Simple Queue S 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

Amazon SQS Queues (1)

Search queues by prefix

QUEUE1 Standard 2025-07-18T14:16+05:30 0 1 Amazon SQS key (SSE-SQS)

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Breaking news Bhupesh Baghel... ENG IN 14:27 18-07-2025

The screenshot shows the AWS SQS (Simple Queue Service) console. In the top navigation bar, there are tabs for 'Queues | Simple Queue S' (selected), 'Roles | IAM | Global', 'FUNCTION2 | Functions', and a '+' button. Below the tabs, the URL is 'us-east-1.console.aws.amazon.com/sqs/v3/home'. On the left sidebar, there are icons for various services like Lambda, CloudWatch Metrics, and CloudWatch Logs. The main content area has a dark header with the AWS logo and a search bar. The header also includes buttons for 'Edit', 'Delete', 'Send and receive messages', 'Actions', and 'Create queue'. Below the header, a table lists one queue: 'QUEUE1' (Standard type, created 2025-07-18T14:16+05:30, 0 messages available, 1 message in flight, using Amazon SQS key (SSE-SQS)). There is a search bar above the table with the placeholder 'Search queues by prefix'. At the bottom of the page, there are links for 'CloudShell', 'Feedback', and copyright information ('© 2025, Amazon Web Services, Inc. or its affiliates.'), along with links for 'Privacy', 'Terms', and 'Cookie preferences'. The bottom right corner shows system status: 'ENG IN', signal strength, battery level, and the date/time '18-07-2025'.

INDIA | Topics | Simple No

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

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Amazon SNS > Topics > INDIA

**Amazon SNS**

- Dashboard
- Topics**
- Subscriptions

**Mobile**

- Push notifications
- Text messaging (SMS)

**Details**

Name	INDIA	Display name	LUCKNOW
ARN	arn:aws:sns:us-east-1:429367298217:INDIA	Topic owner	429367298217
Type	Standard		

**Subscriptions** (2)

ID	Endpoint	Status	Protocol
9a655787-e797-4076-b5ee-390...	task2.1122@gmail.com	Confirmed	EMAIL
c6d3db57-73d5-4895-8a07-0ec...	rudrashindia45@gmail.com	Confirmed	EMAIL

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SA - NZ In 1 hour

Search

15:36 16-07-2025

Topics | Simple Notifications

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

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Amazon SNS > Topics

New Feature  
Amazon SNS now supports High Throughput FIFO topics. Learn more

Topics (1)

Search

Edit Delete Publish message Create topic

Name	Type	ARN
INDIA	Standard	arn:aws:sns:us-east-1:429367298217:INDIA

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SA - NZ In 1 hour

Cloud Shell Search User profile Microsoft Edge Microsoft Word Microsoft Excel Microsoft Powerpoint Microsoft OneDrive Microsoft Teams YouTube Microsoft To Do

15:36 ENG IN 16-07-2025

Publish message | INDIA

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

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Amazon SNS > Topics > INDIA > Publish message

## Publish message to topic

### Message details

**Topic ARN**  
arn:aws:sns:us-east-1:429367298217:INDIA

**Subject - optional**  
JUST TELLING  
Maximum 100 printable ASCII characters

**Time to Live (TTL) - optional** | Info  
This setting applies only to mobile application endpoints. The number of seconds that the push notification service has to deliver the message to the endpoint.

### Message body

**Message structure**

Identical payload for all delivery protocols.  
The same payload is sent to endpoints subscribed to the topic, regardless of their delivery protocol.

Custom payload for each delivery protocol.  
Different payloads are sent to endpoints subscribed to the topic, based on their delivery protocol.

**Message body to send to the endpoint**

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Air: Satisfactory Tomorrow ENG IN 15:38 16-07-2025

Publish message | INDIA

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

AI Apps

aws Search [Alt+S]

Amazon SNS > Topics > INDIA > Publish message

Message attributes Info

Message attributes let you provide structured metadata items (such as timestamps, geospatial data, signatures, and identifiers) for the message.

Type	Name	Value
Select attribute type	Enter attribute name	value or ["value1", "value2"]

Add another attribute

Remove

Cancel Publish message

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Air: Moderate Now

Search

15:38 16-07-2025

Create topic | Topics | Sim +

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

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Amazon SNS > Topics > Create topic

**New Feature**  
Amazon SNS now supports High Throughput FIFO topics. [Learn more](#)

## Create topic

### Details

Type | [Info](#)  
Topic type cannot be modified after topic is created

FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- Subscription protocols: SQS

Standard

- Best-effort message ordering
- At-least once message delivery
- Subscription protocols: SQS, Lambda, Data Firehose, HTTP, SMS, email, mobile application endpoints

**Name**  
CRICKET  
Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (\_).

**Display name - optional** | [Info](#)  
To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.  
ROHIT SHARMA  
Maximum 100 characters.

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Trending videos ENG IN 15:41  
Funny Golde... 16-07-2025

Create topic | Topics | Sim +

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

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ROHIT SHARMA Maximum 100 characters.

▼ Encryption - optional

Amazon SNS provides in-transit encryption by default. Enabling server-side encryption adds at-rest encryption to your topic.

Encryption [Learn more](#)

Enabling server side encryption adds at-rest encryption to your topic. Amazon SNS encrypts your message as soon as it is received. The message is decrypted immediately prior to delivery.

AWS KMS key

Select a custom KMS key or enter an existing KMS key ARN.

(Default) alias/aws/sns

Description

Default key that protects my SNS data when no other key is defined

Account

429367298217

KMS key ARN

arn:aws:kms:us-east-1:429367298217:key/8c13931c-638f-41fd-8570-ac081234e845

► Access policy - optional [Info](#)

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Trending videos Funny Golde...

Search

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Create topic | Topics | Sim +

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

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Amazon SNS > Topics > Create topic

Encryption Learn more [?]  
Enabling server side encryption adds at-rest encryption to your topic. Amazon SNS encrypts your message as soon as it is received. The message is decrypted immediately prior to delivery.

▼ Access policy - optional [Info]  
This policy defines who can access your topic. By default, only the topic owner can publish or subscribe to the topic.

Choose method

Basic  
Use simple criteria to define a basic access policy.

Advanced  
Use a JSON object to define an advanced access policy.

**Publishers**  
Specify who can publish messages to the topic.  
Only the topic owner  
Only the owner of the topic can publish to the topic

**Subscribers**  
Specify who can subscribe to this topic.  
Only the topic owner  
Only the owner of the topic can subscribe to the topic

JSON preview

```
{  
    "Version": "2008-10-17",  
    "Id": "__default_policy_ID",  
    "Statement": [  
        {  
            "Sid": "__default_statement_ID",  
            "Effect": "Allow",  
            "Principal": {  
                "AWS": "*"  
            },  
            "Action": [  
                "SNS:Publish",  
                "SNS:RemovePermission",  
                "SNS:SetTopicAttributes",  
                "SNS:DeleteTopic"  
            ]  
        }  
    ]  
}
```

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Search

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Create topic | Topics | Sim +

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Amazon SNS > Topics > Create topic

▶ Access policy - optional Info

This policy defines who can access your topic. By default, only the topic owner can publish or subscribe to the topic.

▼ Data protection policy - optional Info

This policy defines which sensitive data to monitor and to prevent from being exchanged via your topic.

**Configuration mode**

Basic  
Define a data protection policy using a simple menu.

Advanced  
Define a custom data protection policy using JSON.

**Custom data identifier configuration - new Info**

Define Custom Data identifiers that can be used in data protection policy.

Add custom data identifier

**Deny configuration**

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The screenshot shows the AWS SNS 'Create topic' interface. The top navigation bar includes links for 'Create topic', 'Topics', and 'SIM'. The URL is 'us-east-1.console.aws.amazon.com/sns/v3/home'. The search bar contains 'Search' and an 'Alt+S' keyboard shortcut. The top right shows 'United States (N. Virginia)' and the user 'Rudransh Shahi'. On the left, there's a sidebar with icons for various AWS services like Lambda, CloudWatch, and S3. The main content area shows the 'Delivery policy (HTTP/S) - optional' section, which is expanded. It contains several configuration options with their current values:

- Use the default delivery policy**: Checked.
- Number of retries**: 3.
- Retries without delay**: 0.
- Minimum delay**: 20 seconds.
- Maximum delay**: 20 seconds.
- Minimum delay retries**: 0.
- Maximum delay retries**: 0.
- Maximum receive rate**: -.
- Content-Type**: (empty).

To the right of these settings is a 'JSON preview' window displaying the following JSON code:

```
{  
  "http": {  
    "defaultHealthyRetryPolicy": {  
      "numRetries": 3,  
      "numNoDelayRetries": 0,  
      "minDelayTarget": 20,  
      "maxDelayTarget": 20,  
      "numMinDelayRetries": 0,  
      "numMaxDelayRetries": 0,  
      "backoffFunction": "linear"  
    },  
    "disableSubscriptionOverrides": false,  
    "defaultRequestPolicy": {  
      "headerContentType": "text/plain; charset=UTF-8"  
    }  
  }  
}
```

Create topic | Topics | Sim +

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

AI Apps

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Amazon SNS > Topics > Create topic

▼ Delivery status logging - optional Info

These settings configure the logging of message delivery status to CloudWatch Logs.

**Log delivery status for these protocols**

AWS Lambda  
 Amazon SQS  
 HTTP/S  
 Platform application endpoint  
 Amazon Kinesis Data Firehose

**Success sample rate**

The percentage of successful message deliveries to log.

100 %

**IAM roles**

Amazon SNS requires permission to write logs to CloudWatch Logs. You can use separate roles for successful and failed message deliveries.

Service role Info

Use existing service role  
Choose an existing service role from your account

Create new service role  
Create a new service role in your account

**IAM role for successful deliveries**

Enter a role ARN

**IAM role for failed deliveries**

Enter a role ARN

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Create topic | Topics | Sim +

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

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Amazon SNS > Topics > Create topic

Enter a role ARN

▼ Tags - optional

A tag is a metadata label that you can assign to an Amazon SNS topic. Each tag consists of a key and an optional value. You can use tags to search and filter your topics and track your costs. [Learn more](#)

Key  Value  Remove tag

Add tag

▼ Active tracing - optional [Info](#)

Use AWS X-Ray active tracing for this topic to view its traces and service map in Amazon CloudWatch. Additional costs apply.

Use active tracing [Learn more](#)  
AWS X-Ray active tracing helps you analyze and debug the end-to-end request paths of your application. When you activate active tracing on this topic, the Amazon SNS console verifies your AWS X-Ray resource policies. If your policies do not have the required permissions, the Amazon SNS console attempts to automatically create a policy that allows the Amazon SNS service to send data to AWS X-Ray. Additional costs apply, check AWS X-Ray pricing for more information.

Don't use active tracing

Cancel Create topic

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Dashboard | Simple Notifi +

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

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Amazon SNS > Dashboard

New Feature  
Amazon SNS now supports High Throughput FIFO topics. Learn more ↗

Amazon SNS

Dashboard

Topics

Subscriptions

Mobile

Push notifications

Text messaging (SMS)

Dashboard

Resources for us-east-1

Topics 0

Platform applications 0

Subscriptions 1

Overview of Amazon SNS

Application-to-application (A2A)  
Amazon SNS is a managed messaging service that lets you decouple publishers from subscribers. This is useful for application-to-application messaging for microservices, distributed systems, and serverless applications. Learn more ↗

Read letters queue

AWS Lambda

Amazon SOS

CloudShell Feedback

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Search

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Topics | Simple Notifications

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

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Amazon SNS > Topics

New Feature  
Amazon SNS now supports High Throughput FIFO topics. Learn more ↗

Topics (0)

Search

Edit Delete Publish message Create topic

Name Type ARN

No topics  
To get started, create a topic.

Create topic

Amazon SNS

Dashboard Topics Subscriptions

Mobile

Push notifications Text messaging (SMS)

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33°C Partly sunny ENG IN 14:10 18-07-2025

This screenshot shows the AWS SNS Topics page. On the left, there's a sidebar with links for Dashboard, Topics (which is selected), Subscriptions, and Mobile (Push notifications and Text messaging). A blue banner at the top right says 'New Feature' about High Throughput FIFO topics. The main area has a table header for 'Topics (0)' with columns for Name, Type, and ARN. Below the table, it says 'No topics' and 'To get started, create a topic.' with a 'Create topic' button. At the bottom, there's a navigation bar with CloudShell, Feedback, and copyright information, along with system status icons like weather and battery level.

Simple Queue Service | us

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

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Application integration

# Amazon SQS

## A message queuing service

Amazon SQS provides queues for high-throughput, system-to-system messaging. You can use queues to decouple heavyweight processes and to buffer and batch work. Amazon SQS stores messages until microservices and serverless applications process them.

### How it works

```
graph LR; Producers[Producers: Messages sent from applications, microservices, and other AWS services] --> SQS[Amazon SQS]; SQS --> Queue[SQS Queue: Queues store messages and wait for consumers to poll]; Queue --> Consumers[Consumers: Messages are processed by applications, Lambda functions, EC2 Instances, and other AWS services]
```

**Get started**

Learn how to use Amazon SQS by creating a queue, sending a message to the queue, and receiving and processing the message.

[Create queue](#)

**Pricing (US)**

You can get started with Amazon SQS for free. All customers can make 1 million Amazon SQS requests for free each month. Some applications might be able to operate within this Free Tier limit.

[Cost calculator](#)

**Documentation**

[Developer guide](#)

https://us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/create-queue

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Create queue | Simple Queue Service

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

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Amazon SQS > Queues > Create queue

Disabled  
 Enabled

**Dead-letter queue** - Optional Info  
Send undeliverable messages to a dead-letter queue.  
 Disabled  
 Enabled

**Tags** - Optional Info  
A tag is a label assigned to an AWS resource. Use tags to search and filter your resources or track your AWS costs.

**Key**   
**Value - optional**   
  
  
You can add 49 more tags.

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