Topic1.fifo | Topics | Simple Notifi | Queues | Simple Queue Service | a | Function1 | Functions | Lambda

https://ap-south-1.console.aws.amazon.com/sqs/v3/home?region=ap-south-1#/queues

aws | Search [Alt+S] | Asia Pacific (Mumbai) | Abhinav

Amazon SQS > Queues

Queues (1)

Edit | Delete | Send and receive messages | Actions | Create queue

Search queues by prefix

1

Name	Type	Created	Messages available	Messages in flight	Encryption	Content-based deduplication
Queue	Standard	2025-07-18T14:15+05:30	0	0	Amazon SQS key (SSE-SQS)	-

CloudShell | Feedback

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Trigger AWS Lambda function Info

Lambda function

Set incoming messages to trigger a Lambda function.

Region

ap-south-1

Specify an AWS Lambda function available for this queue.

arn:aws:lambda:ap-south-1:073968405036:function:Function1

Cancel Save

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Queues (1)

Edit | Delete | Send and receive messages | Actions | Create queue

Search queues by prefix

1

Name	Type	Created	Messages available	Messages in flight	Encryption	Content-based deduplication
Queue	Standard	2025-07-18T14:15+05:30	2	0	Amazon SQS key (SSE-SQS)	-

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Add trigger

Trigger configuration Info

SQS
aws event-source-mapping polling queue

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

arn:aws:sqs:ap-south-1:073968405036: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

The maximum is 10,000 for standard queues and 10 for FIFO queues.

Batch window - *optional*
The maximum amount of time to gather records before invoking the function, in seconds.

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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Add trigger

Trigger configuration Info

Select a source

Cancel Add

Info Tutorials

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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

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.

- Create a new role with basic Lambda permissions
- Use an existing role
- Create a new role from AWS policy templates

Existing role

Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.

AbhinavRole

View the AbhinavRole role on the IAM console.

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Create function Info

Choose one of the following options to create your function.

- (●) **Author from scratch** — Start with a simple Hello World example.
- ( ) **Use a blueprint** — Build a Lambda application from sample code and configuration presets for common use cases.
- ( ) **Container image** — Select a container image to deploy for your function.

Basic information

Function name

Enter a name that describes the purpose of your function.

Function1

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

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Compute

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

Run | Next: Lambda responds to events

.NET | Java | Node.js | Python | Ruby | Custom runtime

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


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Queues (1)

Edit | Delete | Send and receive messages | Actions | Create queue

Search queues by prefix

1

Name	Type	Created	Messages available	Messages in flight	Encryption	Content-based deduplication
Queue	Standard	2025-07-18T14:15+05:30	2	0	Amazon SQS key (SSE-SQS)	-

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

Message published to topic Topic1.fifo successfully.
Message "ID": de31f99e-3784-5bae-8346-996a3bfe3871
Request "ID": e3e6eca6-1239-5653-ab99-8c521e43c58c

Publish another message

Message published to topic Topic1.fifo successfully.
Message "ID": 3cadba4a-d316-5ed4-ae1b-dabede145cca
Request "ID": 45fac817-c739-5413-81a1-a8e3ca3b760d

Publish another message

Topic1.fifo

Edit | Delete | Publish message

Details

Name Topic1.fifo	**Display name** -	**Retention policy** Inactive
ARN arn:aws:sns:ap-south-1:073968405036:Topic1.fifo	**Topic owner** 073968405036	**Throughput scope** MessageGroup
Type FIFO	**Content-based message deduplication** Disabled	

Subscriptions | Access policy | Archive policy | Delivery status logging | Encryption | Tags | Integrations

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Message group ID Info

The mandatory token that specifies that a message belongs to a specific message group. Messages that belong to the same message group are guaranteed to be processed in a FIFO manner.

102

Maximum 128 characters. Can include alphanumeric characters and punctuation.

Message deduplication ID Info

The token used for deduplication of messages within the deduplication interval.

122

Maximum 128 characters. Can include alphanumeric characters and punctuation.

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

- (selected) **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

```
1 arjfj
```


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Queues (1)

Edit | Delete | Send and receive messages | Actions | Create queue

Search queues by prefix

1

Name	Type	Created	Messages available	Messages in flight	Encryption	Content-based deduplication
Queue	Standard	2025-07-18T14:15+05:30	1	0	Amazon SQS key (SSE-SQS)	-

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Subscribe to Amazon SNS topic Info

Amazon SNS topic

To allow your queue to receive messages from an Amazon SNS topic, subscribe it to an Amazon SNS topic.

Specify an Amazon SNS topic available for this queue.

arn:aws:sns:ap-south-1:073968405036:Topic1.fifo

Cancel Save

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Queues (1)

Edit | Delete | Send and receive messages | Actions | Create queue

- Subscribe to Amazon SNS topic
- Configure Lambda function trigger
- Purge

Search queues by prefix

1

Name	Type	Created	Messages available	Messages in flight	Encryption	eduplication
Queue	Standard	2025-07-18T14:15+05:30	1	0	Amazon SQS key (SSE-SQS)	-

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of their delivery protocol.

their delivery protocol.

Message body to send to the endpoint

```
1 Hi
```

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"]	Remove

Add another attribute

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Message details

Topic ARN
arn:aws:sns:ap-south-1:073968405036:Topic1.fifo

Subject - *optional*

Message to SQS

Maximum 100 printable ASCII characters

Message group ID | Info

The mandatory token that specifies that a message belongs to a specific message group. Messages that belong to the same message group are guaranteed to be processed in a FIFO manner.

101

Maximum 128 characters. Can include alphanumeric characters and punctuation.

Message deduplication ID | Info

The token used for deduplication of messages within the deduplication interval.

120

Maximum 128 characters. Can include alphanumeric characters and punctuation.

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

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Queues (1)

Edit | Delete | Send and receive messages | Actions | Create queue

Search queues by prefix

1

Name	Type	Created	Messages available	Messages in flight	Encryption	Content-based deduplication
Queue	Standard	2025-07-18T14:15+05:30	0	0	Amazon SQS key (SSE-SQS)	-

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You can now send and receive messages.

Queue

Edit | Delete | Purge | Send and receive messages | Start DLQ redrive

Details Info

Name	Type	ARN
Queue	Standard	arn:aws:sqs:ap-south-1:073968405036:Queue
Encryption	**URL**	**Dead-letter queue**
Amazon SQS key (SSE-SQS)	https://sqs.ap-south-1.amazonaws.com/073968405036/Queue	-

More

Queue policies | Monitoring | SNS subscriptions | Lambda triggers | EventBridge Pipes | Dead-letter queue | Tagging | Encryption | Dead-letter queue redr

Access policy Info

Edit

Define who can access your queue.

```
{
  "Version": "2012-10-17",
  "Id": "__default_policy_ID",
  "Statement": [
```


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Select which source queues can use this queue as the dead-letter queue.

- (●) Disabled
- ( ) Enabled

Dead-letter queue - *Optional* Info

Send undeliverable messages to a dead-letter queue.

Set this queue to receive undeliverable messages.

- (●) 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*	
Enter key	Enter value	Remove

Add new tag

You can add 49 more tags.

Cancel Create queue

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Set this queue to receive undeliverable messages.

- ○ Disabled
- ◉ Enabled

Choose queue

Queue ARN

Maximum receives

10

Should be between 1 and 1000

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*	
Enter key	Enter value	Remove

Add new tag

You can add 49 more tags.

Cancel Create queue

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Create queue

Details

Type

Choose the queue type for your application or cloud infrastructure.

- (●) **Standard** Info
  At-least-once delivery, message ordering isn't preserved
  - At-least once delivery
  - Best-effort ordering
- ( ) **FIFO** Info
  First-in-first-out delivery, message ordering is preserved
  - First-in-first-out delivery
  - Exactly-once processing

ⓘ You can't change the queue type after you create a queue.

Name

Queue1

A queue name is case-sensitive and can have up to 80 characters. You can use alphanumeric characters, hyphens (-), and underscores (_).

Configuration Info

Set the maximum message size, visibility to other consumers, and message retention.

Visibility timeout Info

30 Seconds

Should be between 0 seconds and 12 hours.

Message retention period Info

4 Days

Should be between 1 minute and 14 days.

Delivery delay Info

Maximum message size Info

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