

# SQS Purge, Lambda Trigger

The image shows two screenshots of the AWS Management Console. The top screenshot displays the 'Console Home' dashboard for the 'us-east-1' region. It includes sections for 'Recently visited' services (Simple Notification Service, S3, EC2, VPC, EFS, Lambda, DynamoDB), 'Applications' (0), 'Welcome to AWS', 'AWS Health' (0 open issues, 0 scheduled changes), and 'Cost and usage' (Current month costs: \$0.25, 19% decrease compared to last month). The bottom screenshot shows a search overlay for 'Simple Queue Service'. The search results are categorized into 'Services' (Simple Queue Service, Simple Notification Service, Amazon Simple Email Service), 'Features' (Dashboard, AWS Private CA Connector for SCEP, Replays), and 'Resources'. A footer banner states: 'Amazon SQS allows producers to send messages to a queue. Messages are then...'.

# SQS Purge, Lambda Trigger

The screenshot shows the AWS Management Console 'Create queue' page. The browser address bar indicates the URL is `us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/create-queue`. The page title is 'Create queue | Simple Queue S...'. The breadcrumb navigation shows 'Amazon SQS' > 'Queues' > 'Create queue'. The main heading is 'Create queue'. The 'Details' section has a 'Type' dropdown set to 'Standard'. Below it, a message states 'You can't change the queue type after you create a queue.' The 'Name' field contains 'MyQueue'. The 'Configuration' section includes 'Visibility timeout' (30 seconds), 'Message retention period' (4 days), 'Delivery delay' (0 seconds), and 'Maximum message size' (256 KB). The footer shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services, Inc.

Create queue | Simple Queue S... +

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

Amazon SQS > Queues > Create queue

### 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**  
MyQueue  
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](#)  
0 Seconds  
Should be between 0 seconds and 15 minutes.

**Maximum message size** [Info](#)  
256 KB  
Should be between 1 KB and 256 KB.

CloudShell Feedback

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# SQS Purge, Lambda Trigger

Queue details | Simple Queue | x +

us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue

Search [Alt+S] United States (N. Virginia) voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SQS > Queues > MyQueue

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

MyQueue Edit Delete Purge Send and receive messages Start DLQ redrive

Details Info

Name  
MyQueue

Type  
Standard

ARN  
arn:aws:sqs:us-east-1:826918265081:MyQueue

Encryption  
Amazon SQS key (SSE-SQS)

URL  
https://sqs.us-east-1.amazonaws.com/826918265081/MyQueue

Dead-letter queue  
-

More

SNS subscriptions

Lambda triggersEventBridge PipesDead-letter queueMonitoringTaggingQueue policiesEncryptionDead-letter

Subscription region  
us-east-1

SNS subscriptions (0) Info

Search subscriptions

View in SNS Delete Subscribe to Amazon SNS topic

Subscription ARN Topic ARN

Send and receive messages | x +

us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue/send-receive

Search [Alt+S] United States (N. Virginia) voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SQS > Queues > MyQueue > Send and receive messages

Send and receive messages  
Send messages to and receive messages from a queue.

Send message Info

Clear content Send message

Your message has been sent and is ready to be received.  
View details

Message body  
Enter the message to send to the queue.  
Hello kmit tankbund

Delivery delay Info  
0 Seconds  
Should be between 0 seconds and 15 minutes.

Message attributes - Optional Info

Receive messages Info

Edit poll settings Stop polling Poll for messages

Messages available  
0

Polling duration  
30

Maximum message count  
10

Polling progress  
0 receives/second 0%

Messages (0)  
Search messages  
View details Delete

# SQS Purge, Lambda Trigger

The image displays two screenshots of the AWS Management Console, specifically the 'Send and receive messages' page for an Amazon SQS queue. The browser address bar shows the URL: `us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue/send-receive`.

**Top Screenshot:**

- Send message:** A green status bar indicates 'Your message has been sent and is ready to be received.' The message body is 'Hello kmit tankbund 2'. The delivery delay is set to 0 seconds.
- Receive messages:** The 'Messages available' count is 2. The 'Polling duration' is 30 seconds. The 'Maximum message count' is 10. The 'Polling progress' is 0% (0 receives/second).

**Bottom Screenshot:**

- Send message:** The message body is 'Hello kmit tankbund 3'. The delivery delay is set to 0 seconds.
- Receive messages:** The 'Messages available' count has increased to 3. The 'Polling duration' remains 30 seconds. The 'Maximum message count' remains 10. The 'Polling progress' remains 0% (0 receives/second).

# SQS Purge, Lambda Trigger

The screenshot displays the AWS Management Console interface for an Amazon SQS queue named 'MyQueue'. The console is in the 'us-east-1' region. The 'Purge queue' dialog box is open, asking for confirmation to permanently delete the queue and its messages. The dialog box contains the following text:

**Purge queue**

Are you sure you want to purge the following queue permanently? This action cannot be undone.

- MyQueue - contains 3 messages

Type **purge** to agree.

The dialog box has a text input field containing the word 'purge' and two buttons: 'Cancel' and 'Purge'.

The background shows the 'MyQueue' details page with the following information:

- Name: MyQueue
- Type: Standard
- ARN: arn:aws:sqs:us-east-1:826918265081:MyQueue
- Encryption: Amazon SQS key (SSE-SQS)
- URL: https://sqs.us-east-1.amazonaws.com/826918265081/MyQueue
- Dead-letter queue: -

The 'SNS subscriptions' section shows no subscriptions.

# SQS Purge, Lambda Trigger

The image displays two screenshots of the AWS Management Console. The top screenshot shows the 'MyQueue' details page for a Simple Queue Service (SQS) queue. A green notification banner at the top states 'Queue MyQueue has been purged successfully.' The queue details include: Name: MyQueue, Type: Standard, ARN: arn:aws:sqs:us-east-1:826918265081:MyQueue, Encryption: Amazon SQS key (SSE-SQS), URL: https://sqs.us-east-1.amazonaws.com/826918265081/MyQueue, and Dead-letter queue: -. Below the details, there are tabs for 'SNS subscriptions', 'Lambda triggers', 'EventBridge Pipes', 'Dead-letter queue', 'Monitoring', 'Tagging', 'Queue policies', 'Encryption', and 'Dead-letter queue'. The 'SNS subscriptions' tab is selected, showing a table with columns 'Subscription ARN' and 'Topic ARN'. The bottom screenshot shows the 'Console Home' dashboard. It features a 'Recently visited' list with links to Simple Queue Service, Simple Notification Service, S3, EC2, VPC, EFS, Lambda, and DynamoDB. There are also sections for 'Applications' (Region: US East (N. Virginia)), 'Welcome to AWS' (Getting started with AWS), 'AWS Health', and 'Cost and usage'.

Queue details | Simple Queue | x +

us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue

Queue MyQueue has been purged successfully.

MyQueue

Edit Delete Purge Send and receive messages Start DLQ redrive

Details Info

Name	Type	ARN
MyQueue	Standard	arn:aws:sqs:us-east-1:826918265081:MyQueue
Encryption	URL	Dead-letter queue
Amazon SQS key (SSE-SQS)	https://sqs.us-east-1.amazonaws.com/826918265081/MyQueue	-

► More

< SNS subscriptions Lambda triggers EventBridge Pipes Dead-letter queue Monitoring Tagging Queue policies Encryption Dead-letter queue >

Subscription region

us-east-1

SNS subscriptions (0) Info

Search subscriptions

View in SNS Delete Subscribe to Amazon SNS topic

Subscription ARN Topic ARN

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Console Home | Console Home | x +

us-east-1.console.aws.amazon.com/console/home?region=us-east-1

Console Home Info

Reset to default layout + Add widgets

Recently visited Info

- Simple Queue Service
- Simple Notification Service
- S3
- EC2
- VPC
- EFS
- Lambda
- DynamoDB

View all services

Applications Info

Region: US East (N. Virginia)

Create application

Go to myApplications

Welcome to AWS

Getting started with AWS

Learn the fundamentals and find valuable information to get the most out of AWS.

AWS Health Info

Cost and usage Info

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# SQS Purge, Lambda Trigger

The image shows two screenshots of the AWS Lambda console. The top screenshot displays a list of five existing Lambda functions. The bottom screenshot shows the 'Create function' wizard with the 'Use a blueprint' option selected.

### Functions (5)

Filter by attributes or search by keyword

<input type="checkbox"/>	Function name	Description	Package type	Runtime	Last modified
<input type="checkbox"/>	<a href="#">MainMonitoringFunction</a>	-	Zip	Python 3.9	2 months ago
<input type="checkbox"/>	<a href="#">RoleCreationFunction</a>	Create SLR if absent	Zip	Python 3.9	2 months ago
<input type="checkbox"/>	<a href="#">ModLabRole</a>	updates LabRole to allow it to assume itself	Zip	Python 3.9	2 months ago
<input type="checkbox"/>	<a href="#">RedshiftOverwatch</a>	Deletes Redshift Cluster if the count is more than 2.	Zip	Python 3.9	2 months ago
<input type="checkbox"/>	<a href="#">RedshiftEventSubscription</a>	Create Redshift event subscription to SNS Topic.	Zip	Python 3.9	2 months ago

### Create function

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

**Blueprint name**  
Hello world function  
A starter AWS Lambda function.

**Function name**  
Enter a name that describes the purpose of your function.  
TheSQLAMBDA  
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**  
nodejs18.x

**Architecture**  
x86\_64

**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.

# SQS Purge, Lambda Trigger

Create function | Functions | List

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function?intent=blueprints

Search [Alt+S] United States (N. Virginia) voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Lambda > Functions > Create function

**Function name**  
Enter a name that describes the purpose of your function.  
  
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**  
nodejs18.x

**Architecture**  
x86\_64

**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.  
  
[View the LabRole role](#) on the IAM console.

**Lambda function code**  
Code is preconfigured by the chosen blueprint. You can configure it after you create the function. [Learn more](#) about deploying Lambda functions.

```
1 console.log('Loading function');
2
3 export const handler = async (event, context) => {
4   //console.log('Received event:', JSON.stringify(event, null, 2));
5   console.log('value1 =', event.key1);
6   console.log('value2 =', event.key2);
7   console.log('value3 =', event.key3);
8   return event.key1; // Echo back the first key value
9 }
10
11
```

Create function | Functions | List

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function?intent=blueprints

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Lambda > Functions > Create function

**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.  
  
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```
1 console.log('Loading function');
2
3 export const handler = async (event, context) => {
4   //console.log('Received event:', JSON.stringify(event, null, 2));
5   console.log('value1 =', event.key1);
6   console.log('value2 =', event.key2);
7   console.log('value3 =', event.key3);
8   return event.key1; // Echo back the first key value
9   // throw new Error('Something went wrong');
10 };
11
```



# SQS Purge, Lambda Trigger

TheSQLAMBDA | Functions | +

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/TheSQLAMBDA?newFunction=true&tab=code

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Lambda > Functions > TheSQLAMBDA

Successfully created the function TheSQLAMBDA. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

TheSQLAMBDA

Throttle Copy ARN Actions

Export to Infrastructure Composer Download

Function overview Info

Diagram Template

TheSQLAMBDA

Layers (0)

+ Add trigger

+ Add destination

Description

A starter AWS Lambda function.

Last modified

3 seconds ago

Function ARN

arn:aws:lambda:us-east-1:826918265081:function:TheSQLAMBDA

Function URL

Info

Code Test Monitor Configuration Aliases Versions

Code source Info

Upload from

CloudShell Feedback

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Queue details | Simple Queue | +

us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue

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Amazon SQS > Queues > MyQueue

MyQueue

Edit Delete Purge Send and receive messages Start DLQ redrive

Details Info

Name

MyQueue

Type

Standard

ARN

arn:aws:sqs:us-east-1:826918265081:MyQueue

Encryption

Amazon SQS key (SSE-SQS)

URL

https://sqs.us-east-1.amazonaws.com/826918265081/MyQueue

Dead-letter queue

-

More

SNS subscriptions

Lambda triggers

EventBridge Pipes

Dead-letter queue

Monitoring

Tagging

Queue policies

Encryption

Dead-letter queue

Lambda triggers (0) Info

View in Lambda Delete Configure Lambda function trigger

Search triggers

UUID

ARN

Status

Last modified

No AWS Lambda triggers

Set incoming messages to trigger a Lambda function.

Configure Lambda function trigger

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# SQS Purge, Lambda Trigger

Configure Lambda function trigger

us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue/configure-trig...

Amazon SQS > Queues > MyQueue > Trigger AWS Lambda function

### Trigger AWS Lambda function

**Lambda function**  
Set incoming messages to trigger a Lambda function.

**Region**  
us-east-1

Specify an AWS Lambda function available for this queue.

arn:aws:lambda:us-east-1:826918265081:function:TheSQLAMBDA

Cancel Save

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Queue details | Simple Queue

us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue

Amazon SQS > Queues > MyQueue

### MyQueue

Edit Delete Purge Send and receive messages Start DLQ redrive

**Details**

<b>Name</b> MyQueue	<b>Type</b> Standard	<b>ARN</b> arn:aws:sqs:us-east-1:826918265081:MyQueue
<b>Encryption</b> Amazon SQS key (SSE-SQS)	<b>URL</b> https://sqs.us-east-1.amazonaws.com/826918265081/MyQueue	<b>Dead-letter queue</b> -

More

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

**Lambda triggers (1)**

Search triggers

UUID	ARN	Status	Last modified
6a5c74e4-83f5-48c8-aa8a-808ff9a1dce9	arn:aws:lambda:us-east-1:826918265081:function:TheSQLAMBDA	Enabled	5/9/2025, 10:19:34 AM

View in Lambda Delete Configure Lambda function trigger

# SQS Purge, Lambda Trigger

The screenshot displays the AWS Lambda console interface for a function named 'TheSQLAMBDA'. The top navigation bar shows the function name and a search bar. The main content area is divided into two sections: 'Function overview' and 'Code source'.

**Function overview:** This section shows the function's name, 'TheSQLAMBDA', and its layers (0). It includes a 'Diagram' tab and a 'Template' tab. A trigger is shown as 'SQS' with a '+ Add trigger' button. The right sidebar provides details: 'Description' (A starter AWS Lambda function), 'Last modified' (2 minutes ago), 'Function ARN' (arn:aws:lambda:us-east-1:826918265081:function:TheSQLAMBDA), and 'Function URL' (Info).

**Code source:** This section shows the code source for the function. It includes a 'Code source' tab and an 'Upload from' button. The code is displayed in a text editor with a file explorer on the left showing 'index.mjs'.

**Configuration:** The bottom section shows the 'Configuration' tab, which includes a 'Triggers' section. The 'Triggers' section shows a list of triggers, with one trigger named 'SQS: MyQueue' selected. The trigger details show the ARN (arn:aws:sqs:us-east-1:826918265081:MyQueue) and the state (Enabled).

# SQS Purge, Lambda Trigger

Edit trigger | TheSQSLambda

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/TheSQSLambda/edit/relation?subtab=triggers&tab=configure

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Lambda > Functions > TheSQSLambda > Edit trigger

## Edit trigger

Trigger configuration

SQS

aws event-source-mapping polling queue

SQS queue

Choose or enter the ARN of an SQS queue.

arn:aws:sqs:us-east-1:826918265081:MyQueue

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.

0

When the batch size is greater than 10, set the batch window to at least 1 second.

Maximum concurrency - optional

The maximum number of concurrent function instances that the SQS event source can invoke.

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Send and receive messages | MyQueue

us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/queues/https%3A%2F%2Fsqs.us-east-1.amazonaws.com%2F826918265081%2FMyQueue/send-receive

Search [Alt+S] United States (N. Virginia) voclabs/user3879096=reddyprasad.kmit@gmail.com @ 8269-1826-5081

Amazon SQS > Queues > MyQueue > Send and receive messages

## Send and receive messages

Send messages to and receive messages from a queue.

Send message

Clear content Send message

✓ Your message has been sent and is ready to be received.

View details

Message body

Enter the message to send to the queue.

Hello i am noob

Delivery delay

0 Seconds

Should be between 0 seconds and 15 minutes.

▶ Message attributes - Optional

Receive messages

Edit poll settings Stop polling Poll for messages

Messages available

0

Polling duration

30

Maximum message count

10

Polling progress

0 receives/second 0%

Messages (0)

Search messages

View details Delete

CloudShell Feedback

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