

SQS

I go to SQS Dashboard and create Queue. I chose standard type named my-first-Queue. In the configuration settings, visibility timeout 30 second, message retention period 4 days, delivery delay 0, max message time 256kb, receive message wait time 0 seconds.

Access policy basic, dead-letter queue disabled, retrieve allow policy disabled and I clicked create.

The screenshot shows the Amazon SQS console interface for a queue named 'my-first-Queue'. At the top, there are navigation links for 'Amazon SQS', 'Queues', and 'my-first-Queue'. Below the queue name, there are several action buttons: 'Edit', 'Delete', 'Purge', 'Send and receive messages', and 'Start DLQ redrive'. The 'Details' tab is selected, showing a table with the following information:

Name	Type	ARN
my-first-Queue	Standard	arn:aws:sqs:us-east-1:680053490140:my-first-Queue
Encryption	URL	Dead-letter queue
Disabled	https://sqs.us-east-1.amazonaws.com/680053490140/my-first-Queue	-

At the bottom of the details section, there is a 'More' link.

Then, I clicked send and receive messages. Message body, I typed 'first message', and send message.

The screenshot shows a green notification box with a checkmark icon. The text inside the box reads: 'Your message has been sent and is ready to be received.' To the right of the text is a close button (X). Below the text is a button labeled 'View details'.

Under the receive messages, poll for messages.

The screenshot shows the Amazon SQS console interface for a received message. At the top, there is a header bar with the message ID '27e485c3-7bc8-4521-b060-fe383a54382d' and a close button (X). Below the header bar, there are three tabs: 'Body', 'Attributes', and 'Details'. The 'Body' tab is selected, showing the message body 'first message'. At the bottom of the console, there is an orange button labeled 'Done'.

For second message; message body, I typed 'second message', and send message.

Message: 27e485c3-7bc8-4521-b060-fe383a54382d ✕

Body

Attributes

Details

first message

Done

Create Lambda Function

I created function. I selected use a blueprint. Blueprint name 'Process Messages in an SQS queue. Function named sqs-poller, role named sqs-role-for-lambda. SQS queue selected under my-first-queue. I clicked on create functions.

You can see sqs; my-first-que got enabled.


Triggers (1) [Info](#) ↻ Fix errors Edit Delete Add trigger

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Trigger

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 **SQS: my-first-Queue**
arn:aws:sqs:us-east-1:680053490140:my-first-Queue
state: **Enabled**
[▶ Details](#)

Once you get back to SQS again, I sent a new message from my-first-queue and typed 'This is my first lambda message.' Sent and poll the message. The message doesn't appear on SQS because Lambda took the message.

Messages (0) View details Delete

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ID

▼

Sent

▲

Size

▼

Receive count

▼

No messages. To view messages in the queue, poll for messages.

Poll for messages

Where can we see the message ?

Cloudwatch> Logs>Log Groups> /aws/lambda-sqs-poller

▼

2023-06-30T10:21:32.577-04:002023-06-30T14:21:32.577Z 4193dd3c-5

2023-06-30T14:21:32.577Z4193dd3c-5f51-5c84-977b-8024b876d3a5INFOSQS message7ebbc914-b510-4ba8-bb07-e2565f779af1: "This is my first lambda message."

Copy

SNS

Part 1

Creating Topic, Subscription and Publishing Message

Create Topic

I go to SNS service and clicked Topics, create topic.

Type: standard, name: demo-topic, display name: My-First_topic under the Details section.I clicked create.

Create Subscription

I clicked to create subscription. Topic ARN is default, Protocol: email, endpoint I put my personal email address. I hit on the create subscription.

Confirm subscription

I opened my email address, confirmed subscription and status changed to confirmed.

Details

ARN
arn:aws:sns:us-east-1:680053490140:Demo-topic:e84511d6-510e-460d-9fe7-0334f0557800

Endpoint
soylemez93@hotmail.com

Topic
Demo-topic

Subscription Principal
arn:aws:iam::680053490140:user/Umit

Status
✔ Confirmed

Protocol
EMAIL

Publish Message

I selected Topics and clicked on Demo-topic. I clicked Publish message; subject: sns-test, time to live(TTL): -.

Message structure: Identical payload for all delivery protocols, I typed : "This is a test message for sns inclass session". I clicked Publish message. In my email notification, I received this:

