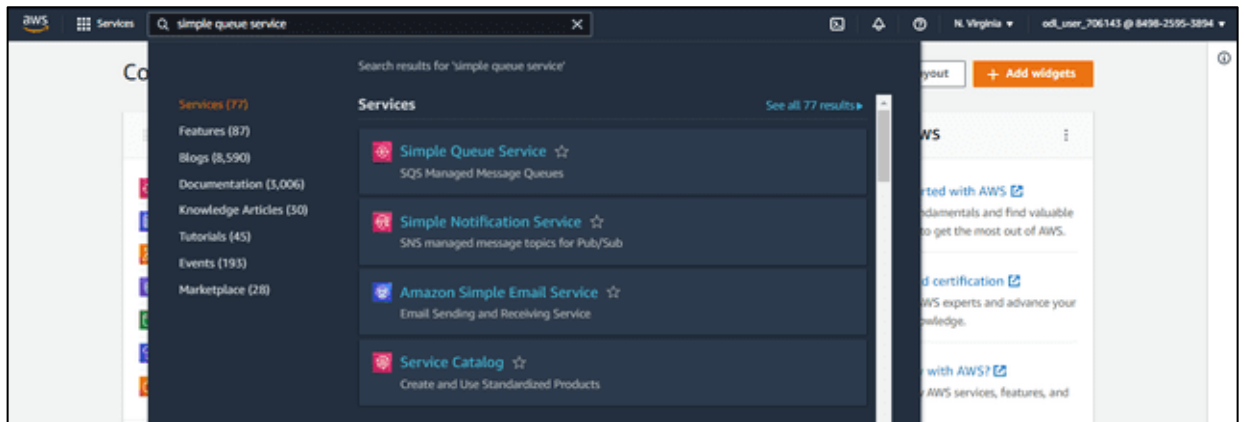


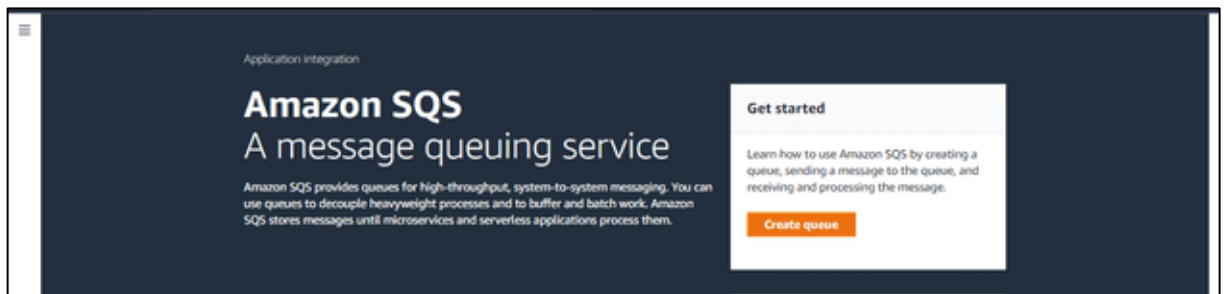
SQS FIFO Queue, Deduplication ID, Message Group

Step 1: Create a Queue

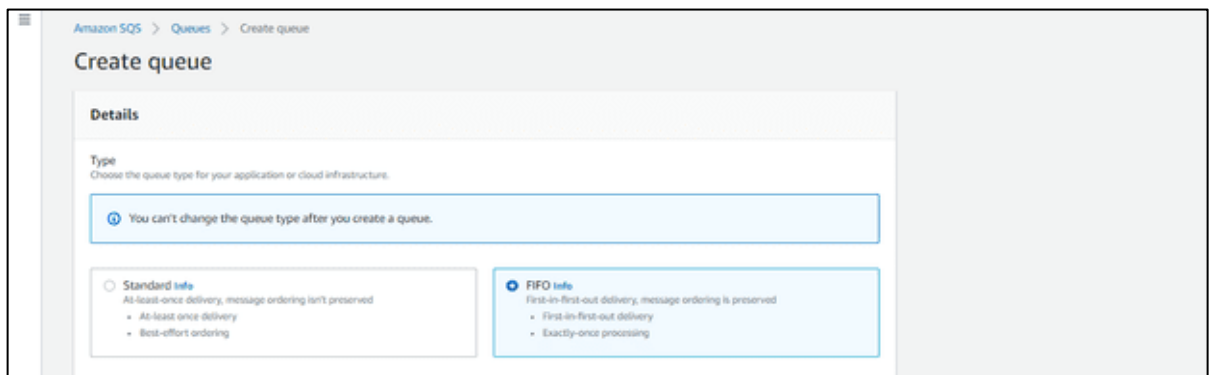
1.1 Open the AWS dashboard, search and select the **Simple Queue Service**.



1.2 Click on the **Create queue**.

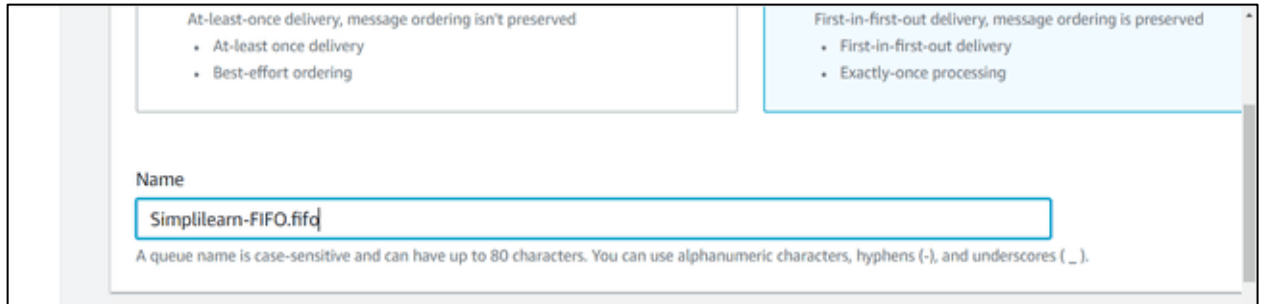


1.3 In the **Details** section, select **FIFO**.



1.4 Enter the name **Simplilearn-FIFO.fifo** in the **Name** field.

Note: While entering the name don't forget to add the **.fifo** suffix.



At-least-once delivery, message ordering isn't preserved

- At-least once delivery
- Best-effort ordering

First-in-first-out delivery, message ordering is preserved

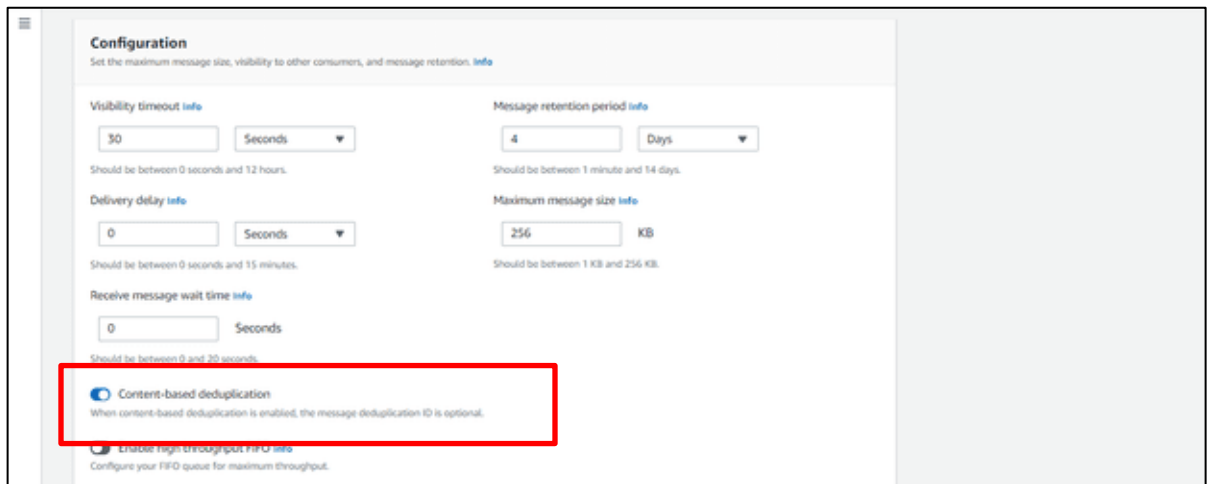
- First-in-first-out delivery
- Exactly-once processing

Name

Simplilearn-FIFO.fifo

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

1.5 In the **Configuration** section, enable the **Content-based deduplication** option.



Configuration

Set the maximum message size, visibility to other consumers, and message retention. [Info](#)

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.

Receive message wait time [Info](#)

0 Seconds

Should be between 0 and 30 seconds.

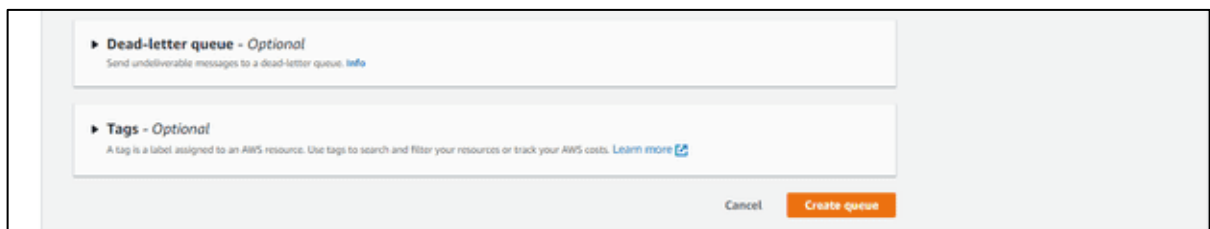
☒ **Content-based deduplication**

When content-based deduplication is enabled, the message deduplication ID is optional.

☐ **Enable high-throughput FIFO** [Info](#)

Configure your FIFO queue for maximum throughput.

1.6 Click on the **Create queue**.



► **Dead-letter queue - Optional**

Send undeliverable messages to a dead-letter queue. [Info](#)

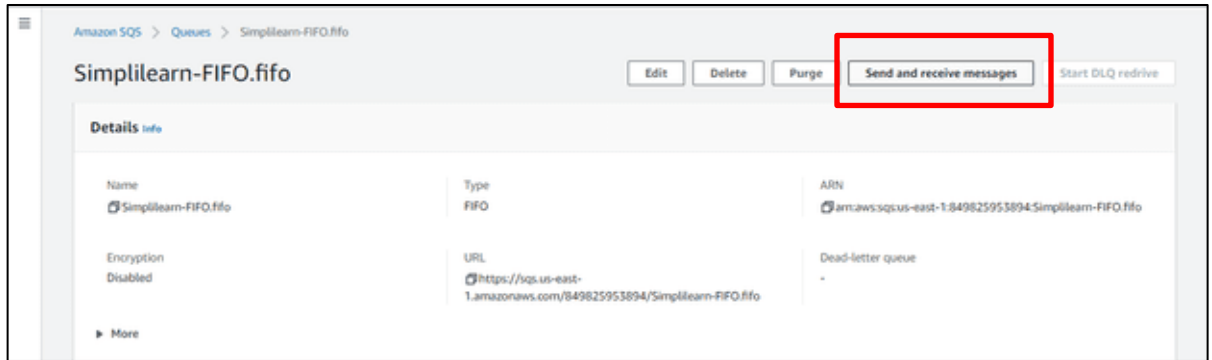
► **Tags - Optional**

A tag is a label assigned to an AWS resource. Use tags to search and filter your resources or track your AWS costs. [Learn more](#)

Cancel **Create queue**

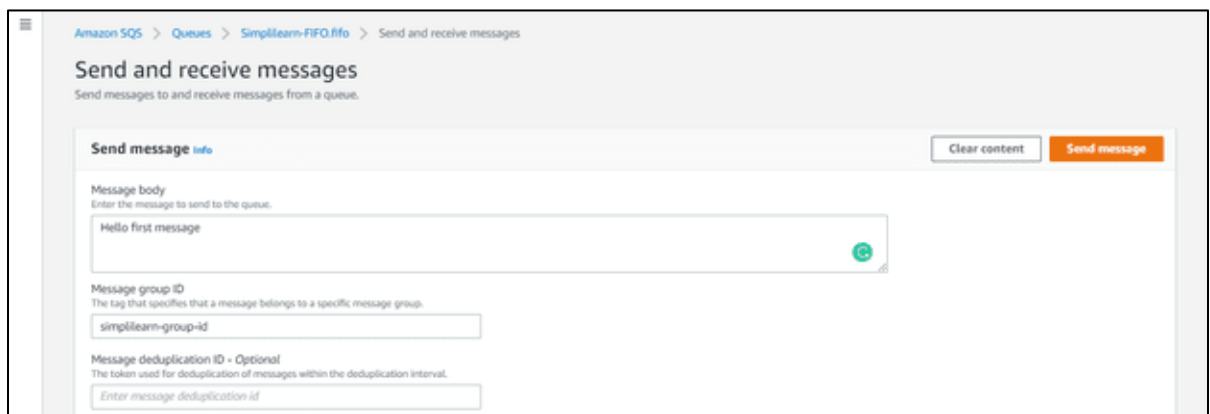
Step 2: Send Messages Including Message Group ID and Duplication ID

2.1 Click on the **Send and receive messages**.



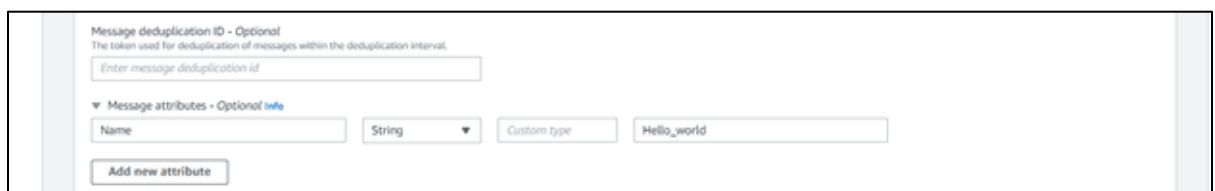
2.2 In the **Send message** section, enter the following values:

1. Message body: Hello first message
2. Message group ID: simplelearn-group-id

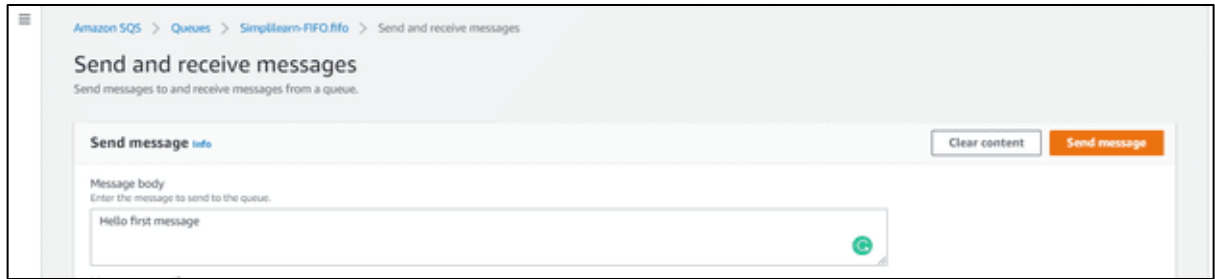


2.3 In the **Message attributes**, specify the following values:

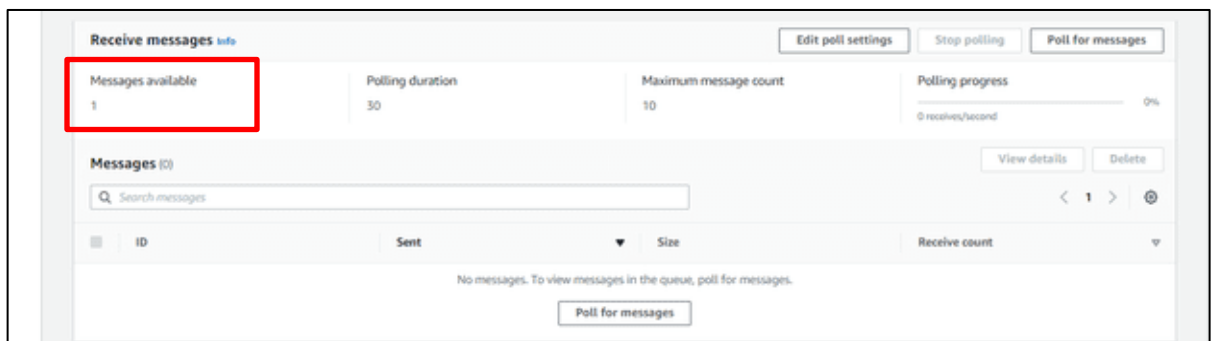
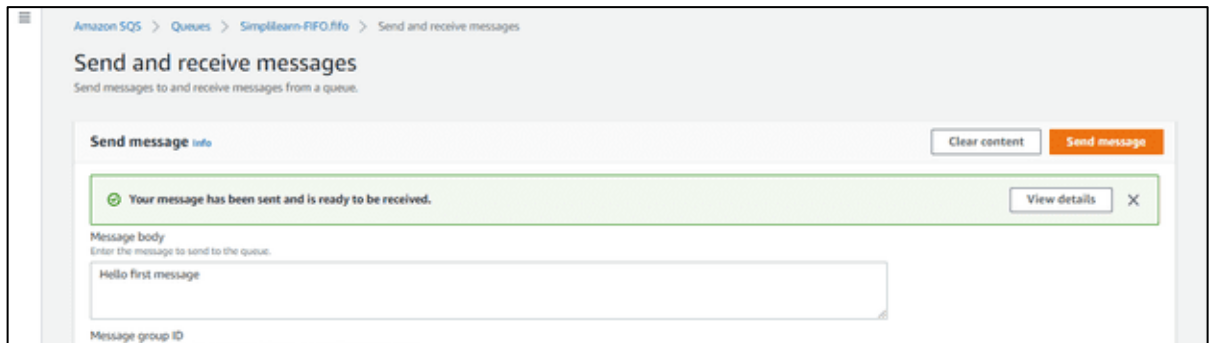
1. Name: Name
2. Enter value: Hello_world



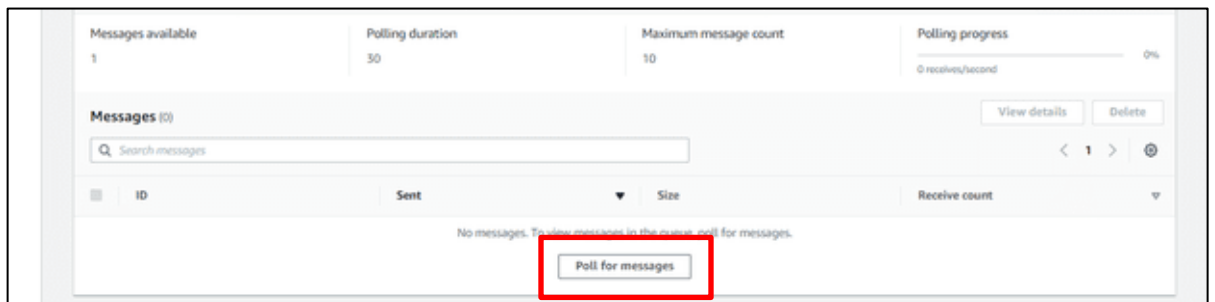
2.4 Click on the **Send message**.



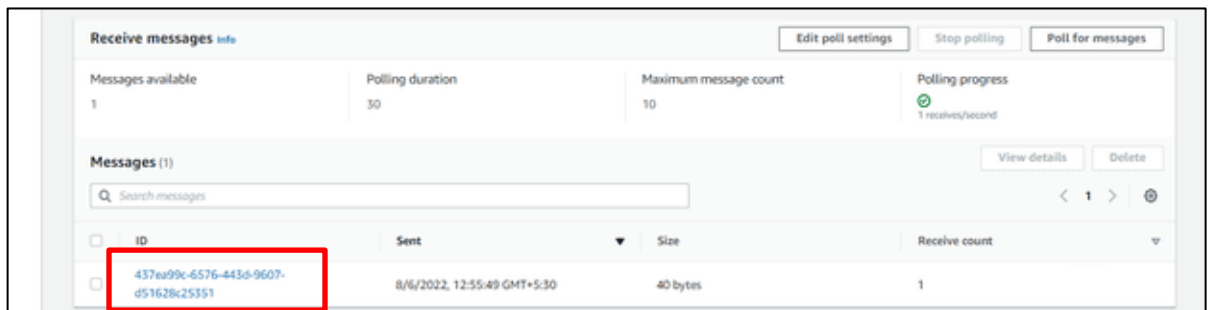
2.5 In the **Receive messages** section, you can see the received message.



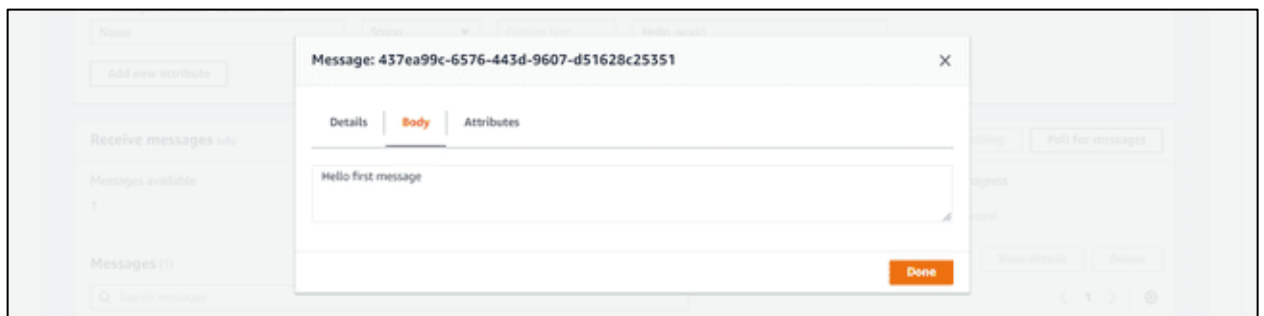
2.6 Click on the **Poll for messages**.



2.7 Message ID will appear here.



2.8 Click on the ID, in the **Body** tab you can see the message you have sent.



2.9 If you click on the **Send message** using the same **Message body** and **Message group ID**, it will not create any duplicate ID.

2.10 Go back to the Message body again and edit the message. Keep the Message group ID the same.

Amazon SQS > Queues > SimpleQueue-1F01FO > Send and receive messages

Send and receive messages

Send messages to and receive messages from a queue.

Send message Info

Clear content Send message

Message body
Enter the message to send to the queue.

Welcome to the SimpleQueue

Message group ID
The tag that specifies that a message belongs to a specific message group.

simplequeue-group-id

Message deduplication ID - Optional
The token used for deduplication of messages within the deduplication interval.

Enter message deduplication id

▼ **Message attributes - Optional** Info

Name String Custom type Hello_world

Add new attribute

2.11 Click on the **Send messages**.

2.12 In the **Receive messages** section, you can see 2 messages available.

Receive messages Info

Edit poll settings Stop polling Poll for messages

Messages available	Polling duration	Maximum message count	Polling progress
2	30	10	1 receives/second

2.13 Click on the **Poll for messages**.

2.14 In the **Messages**, you can see 2 different ID.

Message deduplication ID - Optional
The token used for deduplication of messages within the deduplication interval.

Enter message deduplication id

▼ **Message attributes - Optional** Info

Name String Custom type Hello_world

Add new attribute

Receive messages Info

Edit poll settings Stop polling Poll for messages

Messages available	Polling duration	Maximum message count	Polling progress
2	30	10	2 receives/second

Messages (2)

Search messages

ID	Sent	Size	Receive count
5e0a4228-07ef-489f-849a-e55d2f50d1a	8/6/2022, 13:16:56 GMT+5:30	47 bytes	1
437e099c-6576-443d-9607-d51628c25351	8/6/2022, 12:55:49 GMT+5:30	40 bytes	2

2.15 Click on the new created id, you can see the message you have sent.

