Lesson 08 Demo 05

Creating SQS Queue, Deduplication ID, and Message Group

Objective: To provide a practical understanding of creating and utilizing a FIFO (First-In, First-Out) queue in the Amazon Simple Queue Service (SQS)

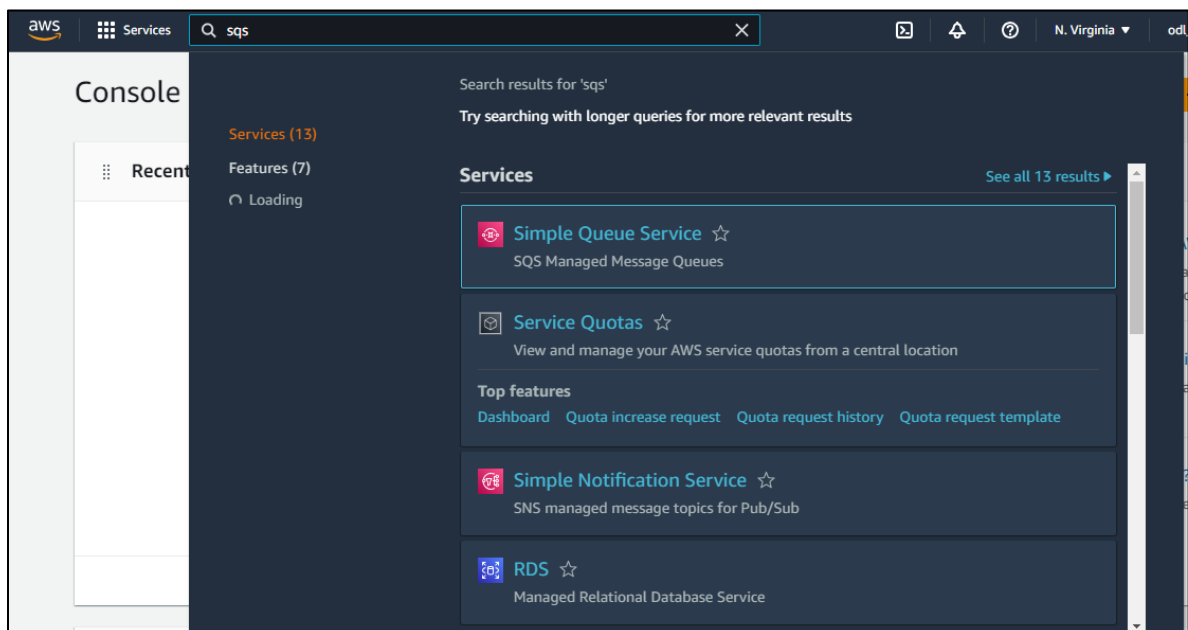**Tools required:** AWS Management Console
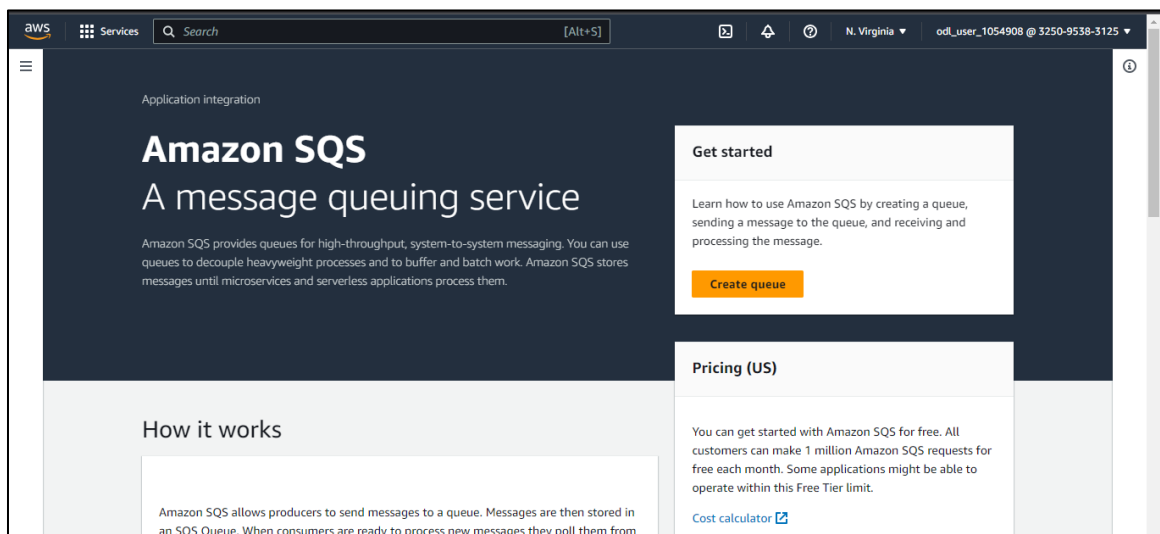
Prerequisites: None

Steps to be followed:
1. Create a Queue
2. Send a message with Group ID and Duplication ID
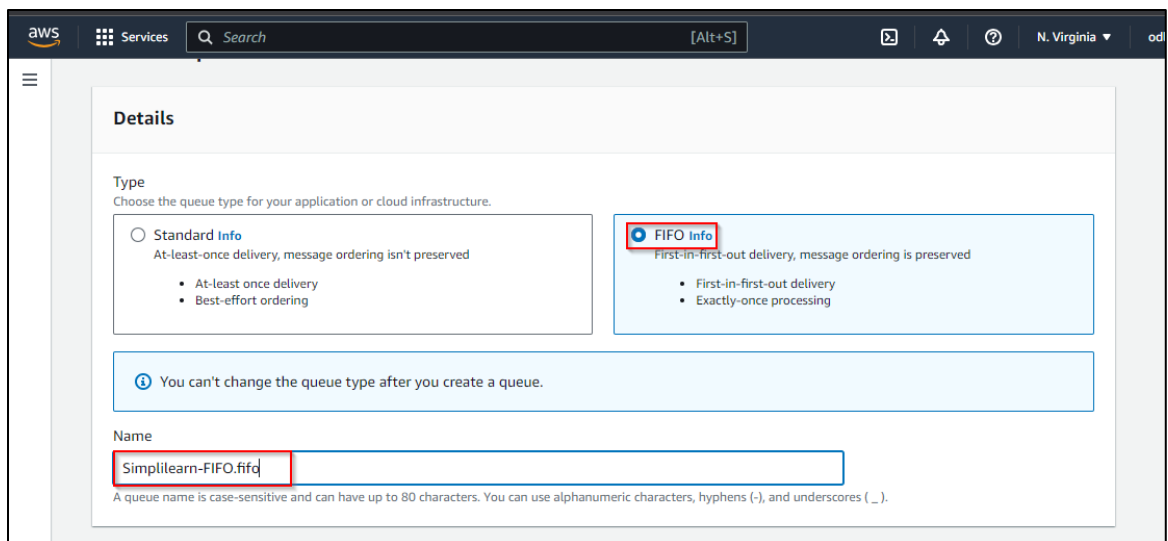
Step 1: Create a Queue

1.1 Navigate to the portal, and search for and select **Simple Queue Service**

1.2 Click on the **Create queue** button

1.3 Choose the queue type as **FIFO** and name it **Simplilearn-FIFO.fifo**

Note: While entering the name, do not forget to add the **.fifo** suffix

1.4 Under the **Configuration** section, enable the **Content-based deduplication** option

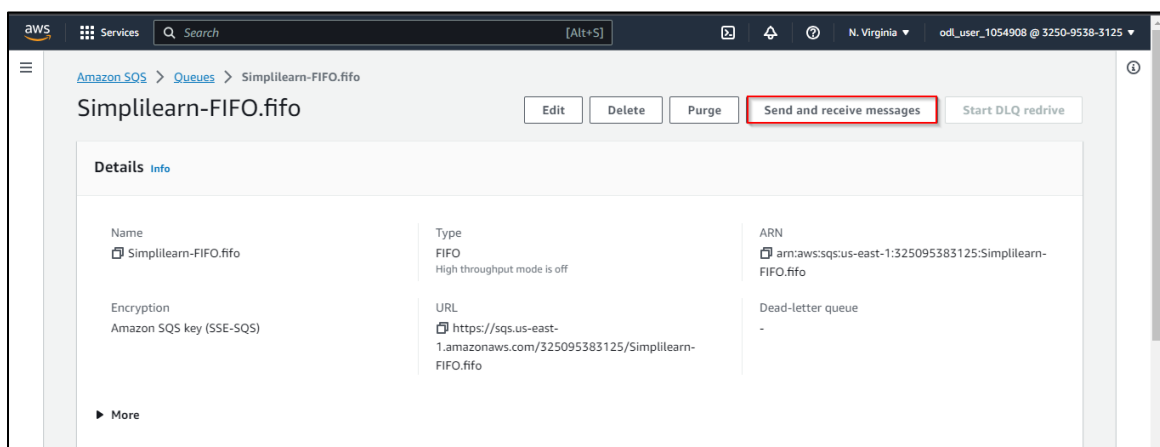1.5 Click on the **Create queue** button
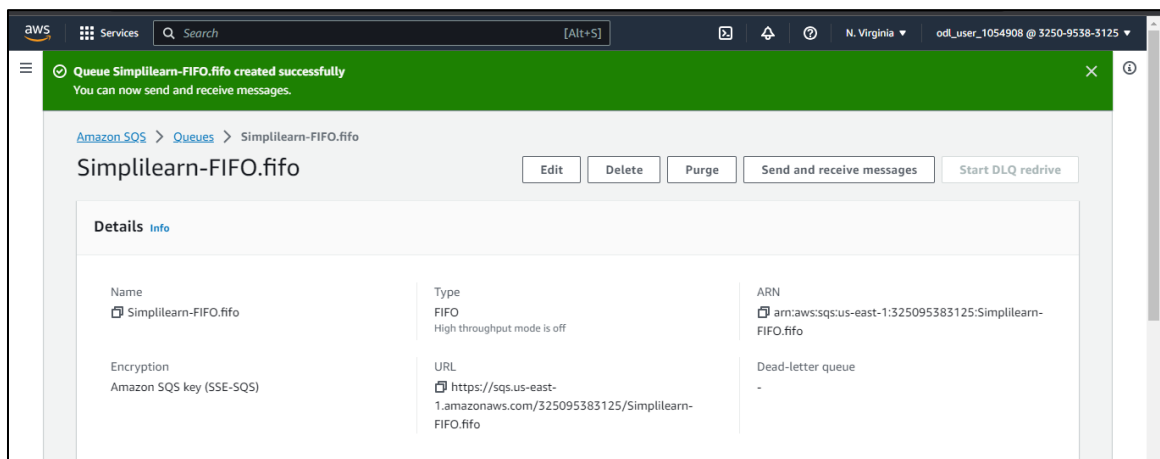
The queue **Simplilearn-FIFO.fifo** has been successfully created.

Step 2: Send a message with Group ID and Duplication ID

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

2.2 In the **Send message** area, input the following values:

- **Message body:** Hello first message
- **Message group ID:** simplilearn-group-id

2.3 Specify the following values in the **Message attributes**:

- **Name:** Name
- **Enter value:** Hello_world

2.4 Click on the **Send message** button
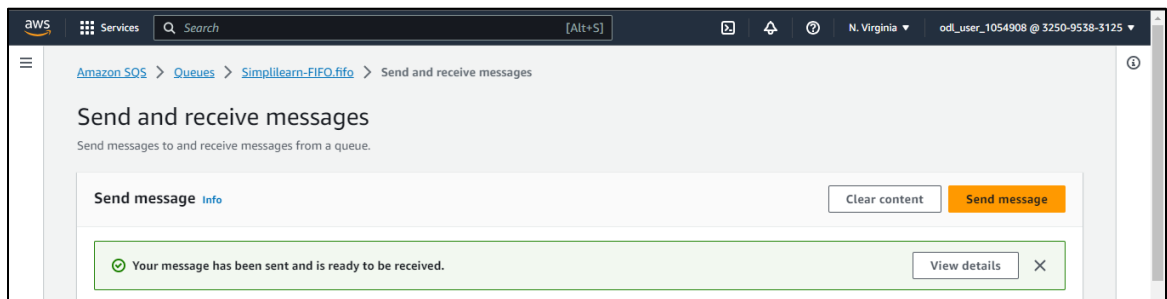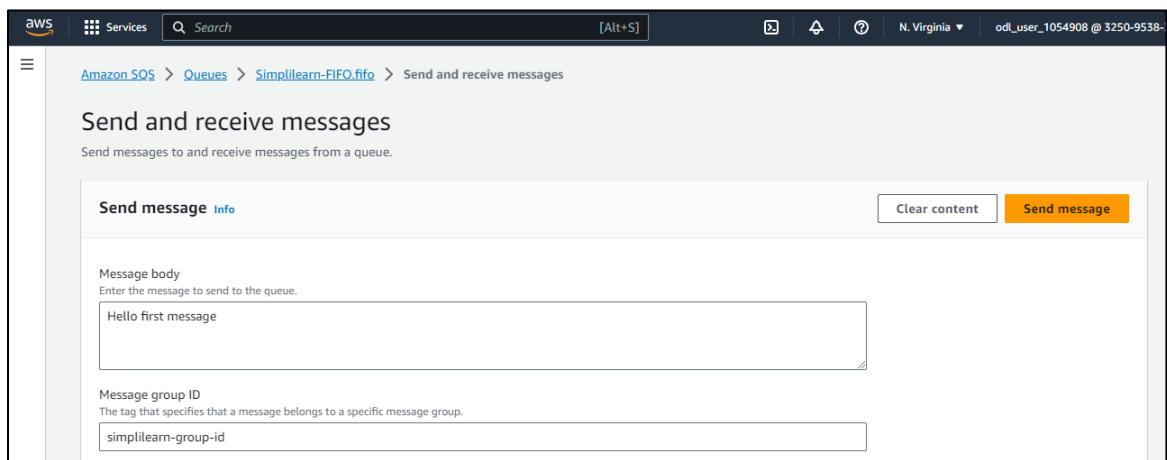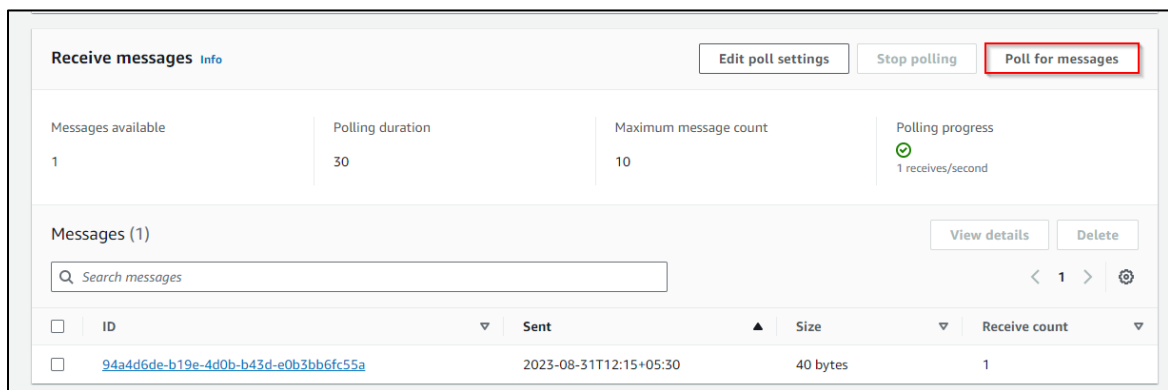

The message has been sent successfully.
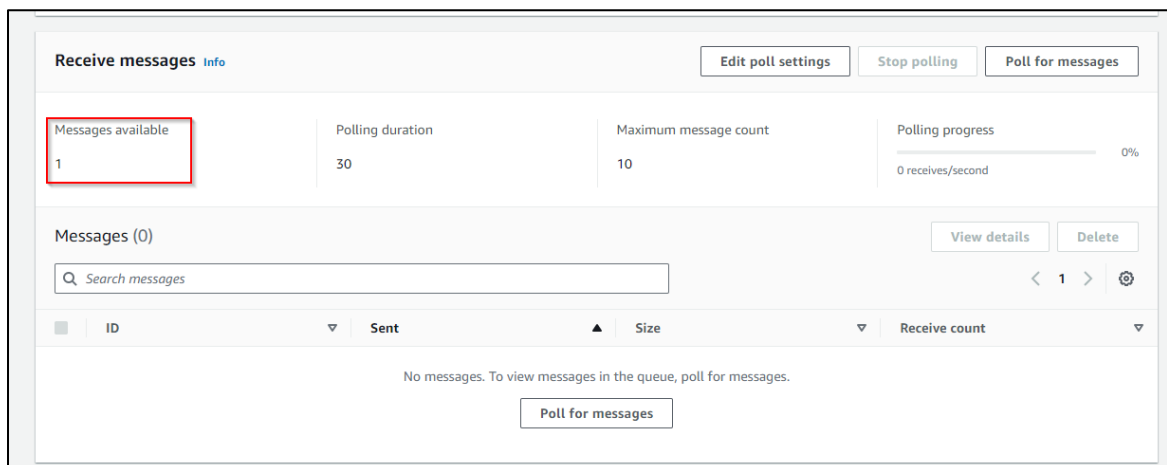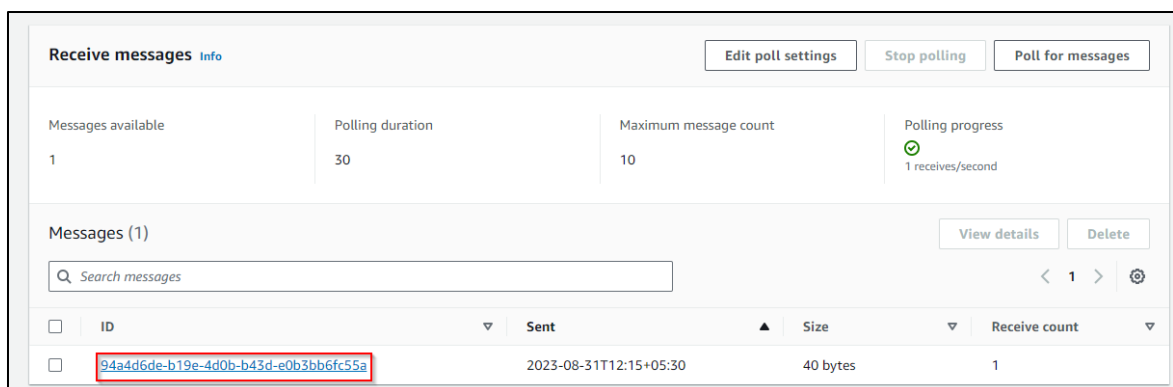
The message is successfully received.
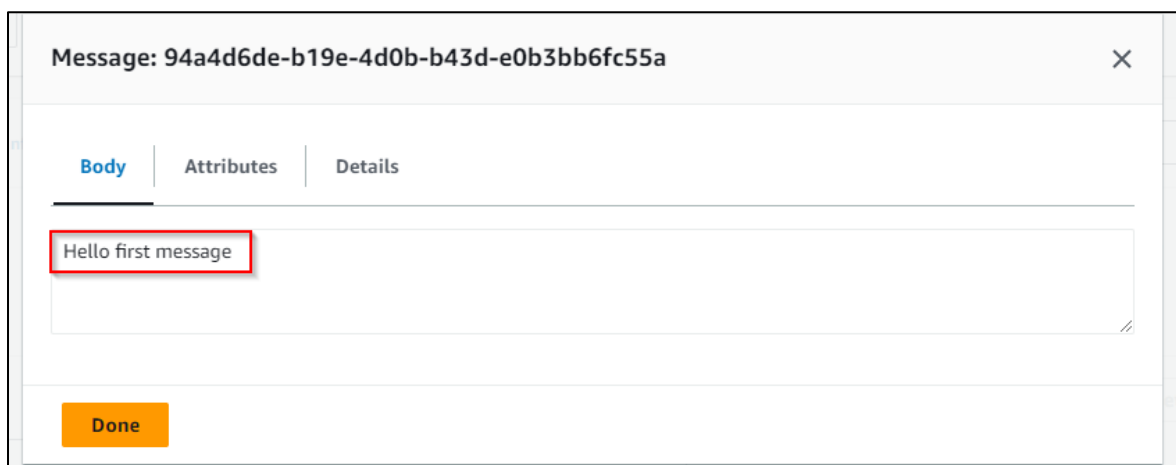
2.5 Click on the **Poll for messages** option

2.6 Click on the **ID** to view the sent messages within the **Body** tab

2.7 Return to the **Message body** and modify the message. While keeping the **Message group ID** the same, click on the **Send message** button

In the **Receive messages** section, you can see that two messages are available.

2.8 By clicking on the newly created ID, you can view the previously sent message
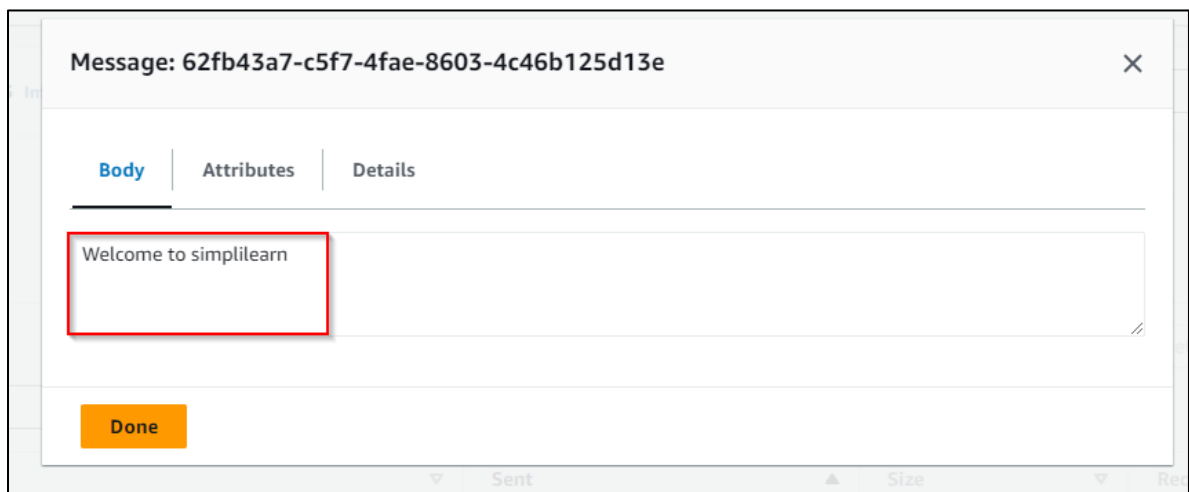
By following these steps, you have successfully gained a practical understanding of working with SQS FIFO queues, implementing deduplication IDs, and effectively managing message grouping for seamless communication.