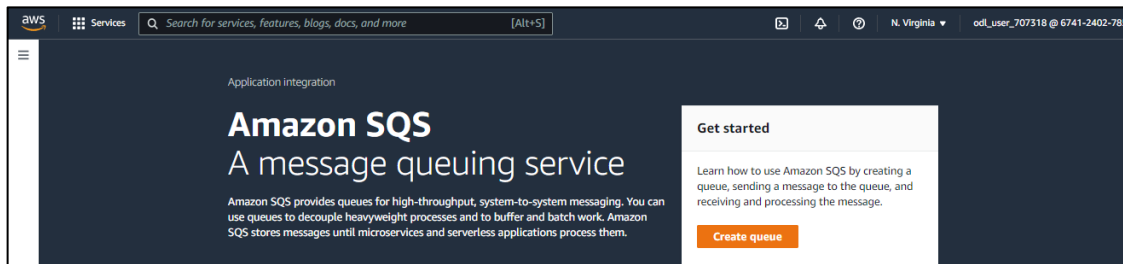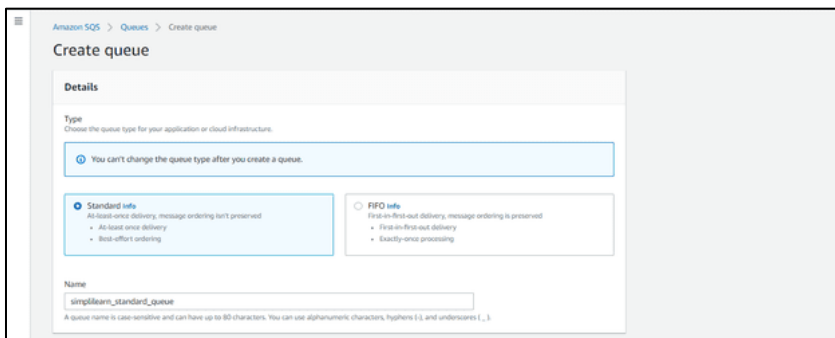# SQS Standard Queue, Visibility Timeout, DLQ

Step 1: Create Standard SQS Queue

1.1 In the dashboard, search and select the **Simple Queue Service** and Click on the **Create queue** button:

1.2 In the **Details** section, specify the **Type** as **Standard** and **Name** as **simplilearn_standard_queue:**

1.3 In the **Configuration** section, Specify the **Visibility timeout** as 30, **Delivery delay** as 4, and **Receive message wait time** as 5:

1.4 In the **Access policy**, keep the values default and click on the **Create queue** button:

Step 2: Send and Receive Messages

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

2.2 In the **Send message** section, Specify the following values:
1. Message body: welcome to the Simplilearn
2. Delivery delay: 0
3. Click on the **Send message** button
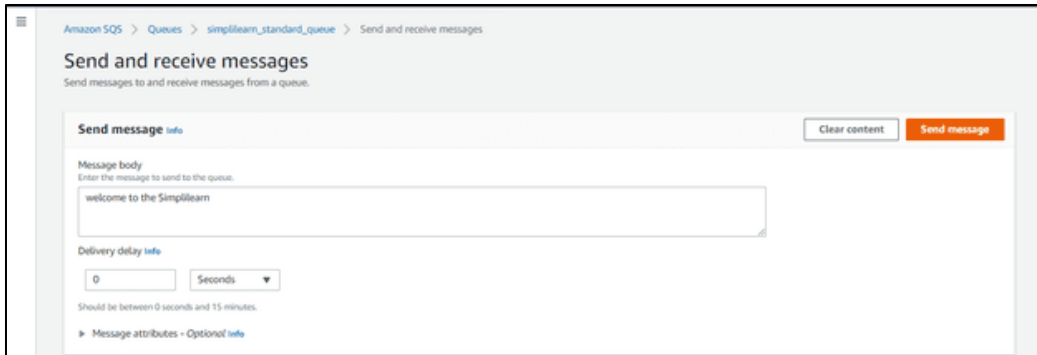
Step 3: Message Polling
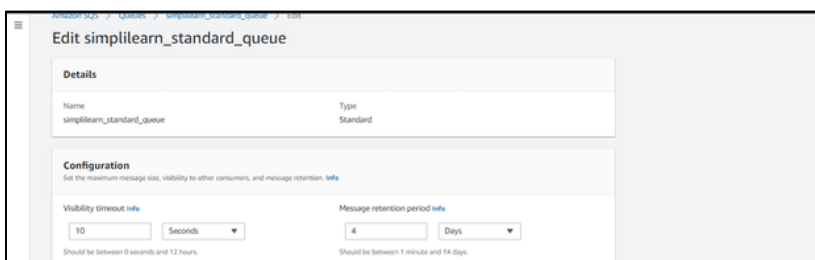
3.1 Click on the **Poll for messages** button:

3.2 In the **Messages**, a message will appear. Click on the message **ID,** in the **Body** tab we can see the sent message:
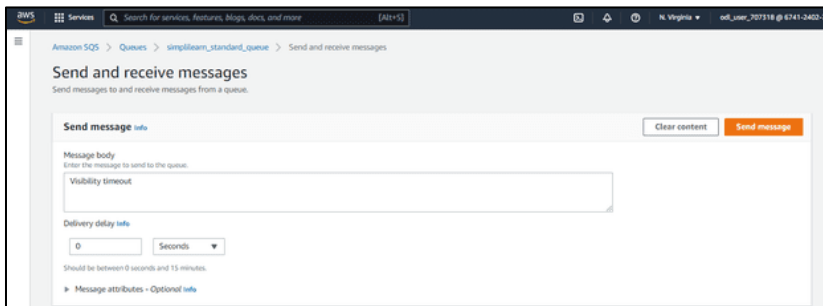

Step 4: Visibility Timeout

4.1 Select the **Simplilearn_Standard_queue**. Edit the **Visibility timeout**. Click on the **Save** button.
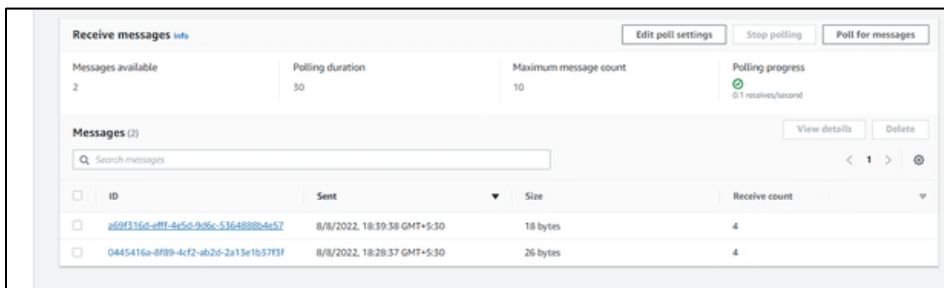
4.2 Click on the **Send and receive messages**.

4.3 In the Message body enter **Visibility timeout.** Click on the **Send message** button.
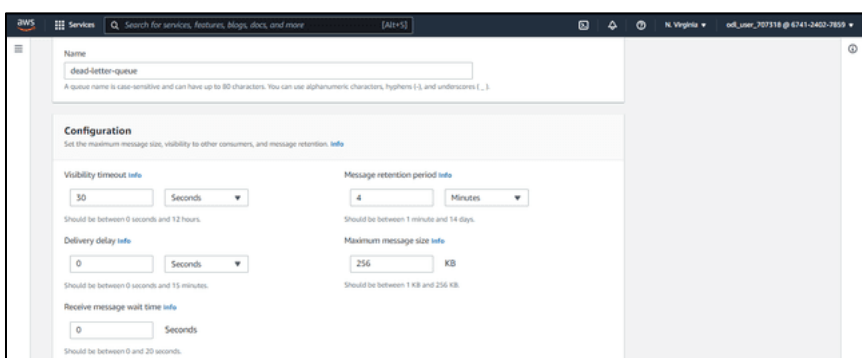

4.4 Click on the **Poll for messages** button. Message will appear in the **Messages** section.
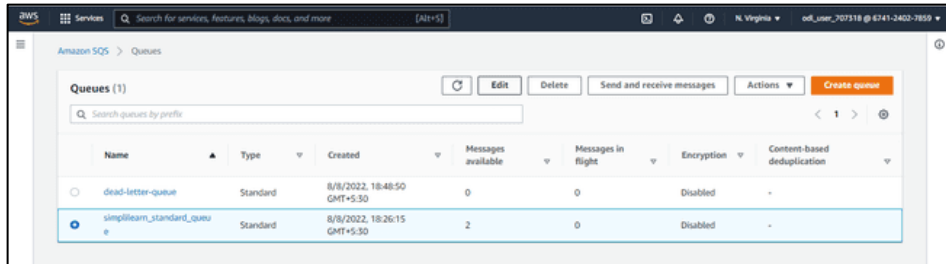

Step 5: Create DLQ

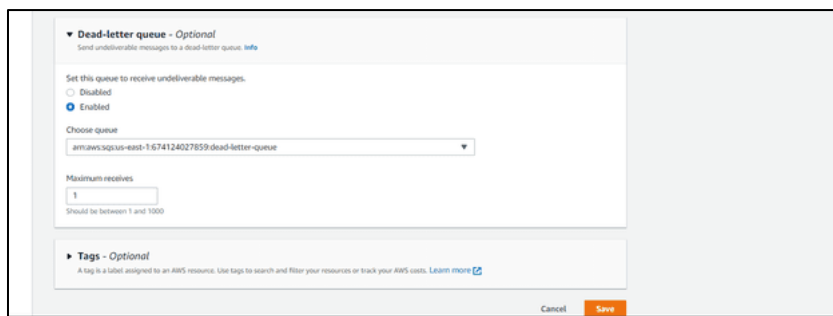5.1 Create another queue named as **dead-letter-queue**.

5.2 Click on the **Create queue** button. Click on the **Simplilearn_Standard_queue**. Then click on **Edit** button.
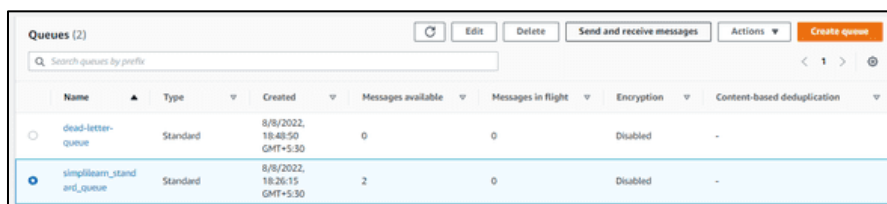

1.3 In the **Dead-letter-queue** section, specify the following values:
1. Set this queue to receive undeliverable messages: Enabled
2. Choose queue: select the dead-letter-queue
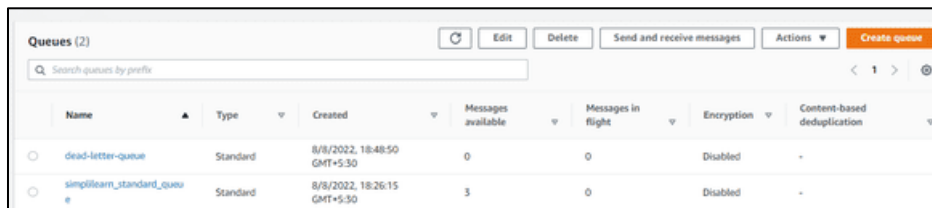3. Maximum receives: 1

1.4 Click on the **Save** button. Select the **Simplilearn_Standard_queue** and click on the **Send and receive messages**.

1.5 In the **Message body**, enter **Simplilearn** and click on the **Send message** button.
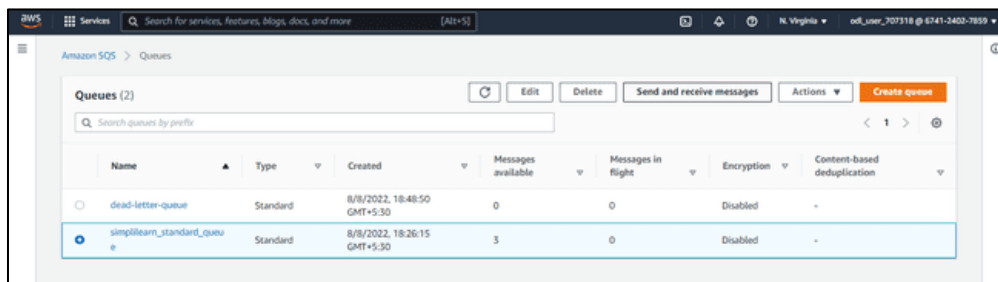
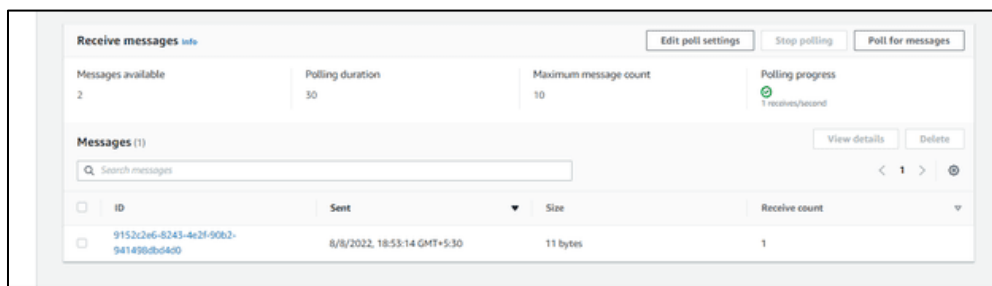1.6 Go back to **Queues**, in the **Message available** we can see the total count is **3**.

1.7 Select the **Simplilearn_Standard_queue,** click on the **Send and receive messages**.
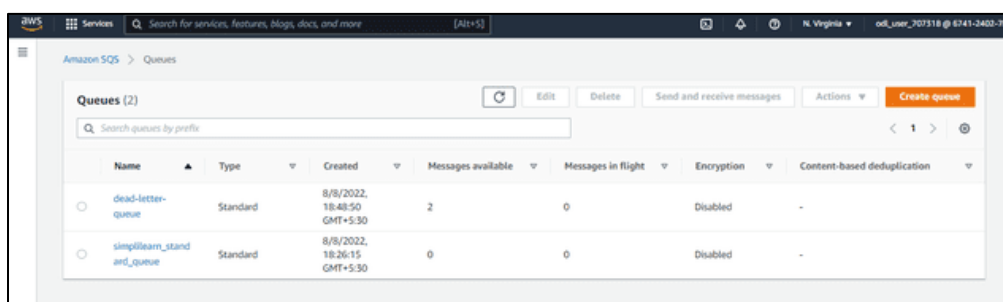
1.8 Click on the **Poll for messages**. The message will appear.

1.9 Go back to **Queues** page. Refresh the page 2-3 times. We will see messages are moved into **dead-letter-queue**.
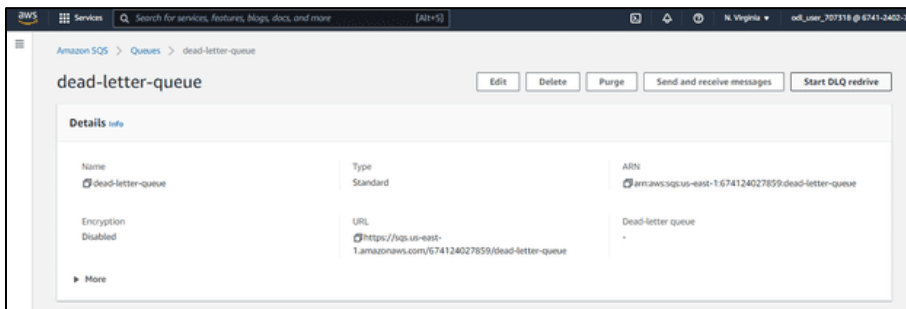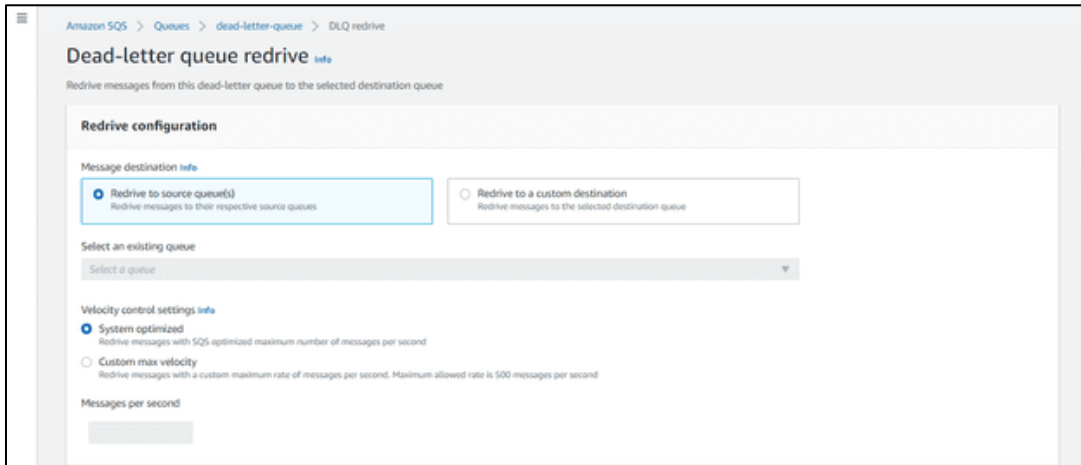

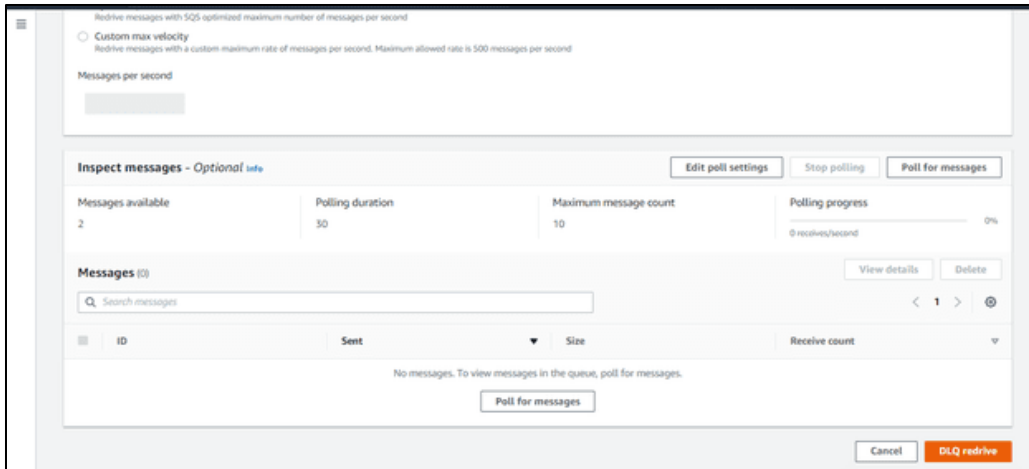1.10 Click on the **dead-letter-queue**.
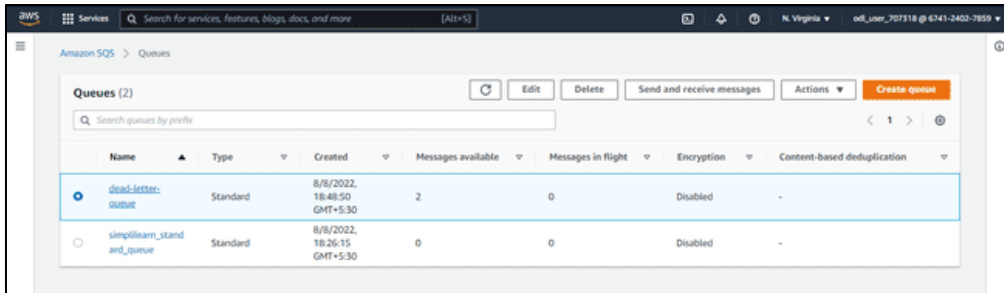
1.11 Click on the **Start DLQ redrive** button.

1.12 In the **Velocity control settings**, select **System optimized**.

1.13 Click on the **DLQ redrive** button.

1.14 Go back to **Queues** page. We will see message is sent back to
Simplilearn_Standard_queue.