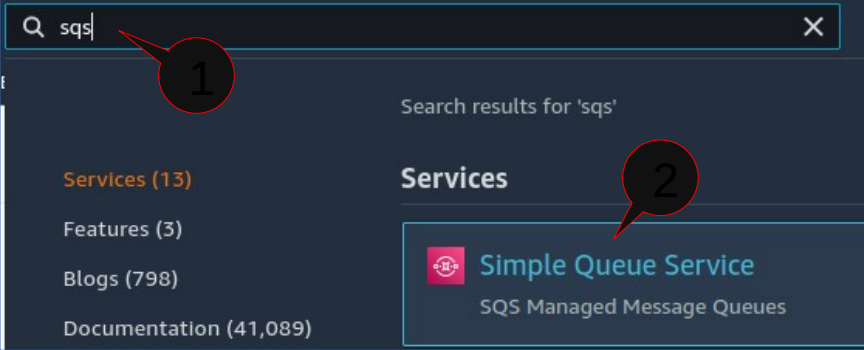# Module-7 Assignment – 4
SQS and SES

You have been asked to:

1. Create a FIFO SQS Queue and test by sending messages
2. Register your mail in SES and send a test mail to yourself

Create queue

Details

Type
Choose the queue type for your application or cloud infrastructure.

ⓘ You can't change the queue type after you create a queue.

○ **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

Name
m7a4_sqs.fifo
A queue name is case-sens... ...can have up to 80 characters. You can use alphanumeric characters, hyphens (-), and underscores (_).

1. Search for "SQS"
2. Select and open SQS
3. Click on Create Queue
4. Select FIFO as type
5. Give it a name ending with ".fifo"

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 [↗]

Key	Value - *optional*	
🔍 Name	🔍 m7a4_sqs ✕	Remove
🔍 createdBy ✕	🔍 Hariharan Narayanan ✕	Remove

Hariharan Narayanan

↻ Loading tag values

Add new tag

You can add 48 more tags.

6

7

Cancel   **Create queue**

⊘ **Queue m7a4_sqs.fifo created successfully**
You can now send and receive messages.

Amazon SQS > Queues > m7a4_sqs.fifo

m7a4_sqs.fifo

Edit   Delete   Purge   Send and receive messages   Start DLQ redrive

Details Info

8

Name	Type	ARN
📋 m7a4_sqs.fifo	FIFO	📋 arn:aws:sqs:us-east-1:098760042302:m7a4_sqs.fifo

Encryption	URL	Dead-letter queue
Disabled	📋 https://sqs.us-east-1.amazonaws.com/098760042302/m7a4_sqs.fifo	-

▶ More

| SNS subscriptions | Lambda triggers | Dead-letter queue | Monitoring | Tagging | Access policy | Encryption |

Subscription region

us-east-1 ▼

SNS subscriptions (0) Info

↻   View in SNS [↗]   Delete   **Subscribe to Amazon SNS topic**

🔍 Search subscriptions

‹ 1 ›   ⚙

| | Subscription ARN | ▼ | Topic ARN | ▽ |

---

6. Create tags as needed
7. Create queue
8. Verify that SQS is created corectly

Queues (1)

| Edit | Delete | Send and receive messages | Actions ▼ | Create queue |

🔍 Search queues by prefix

< 1 > ⚙

Name ▲	Type ▽	Created ▽	Messages available ▽	Messages in flight ▽	Encryption	tent-based deduplication ▽
m7a4_sqs.fifo	FIFO	16/1/2022, 09:34:27 IST	1	0	Disabled	Disabled

9

10

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

Send message Info

| Clear content | Send message | **14** |

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

Message body
Enter the message to send to the queue.

Hello

11

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

Hello_message_group

12

Message deduplication ID
The token used for deduplication of messages within

Hello_message_dedup_id

13

▶ Message attributes - *Optional* Info

---

9. Select the SQS queue
10. Select "send and receive messages"
11. Fill the message
12. Give the message group id

13. Give deduplication id
14. Send the message

Receive messages Info

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

15

Messages (2)

View de... ...lete

🔍 Search messages

‹ 1 › ⚙

☐	ID	Sent ▼	Size	Receive count ▽
☐	55d5276f-68db-4af6-afcc-bd3430a1dee5	1/2022, 11:08:26 IST	12 bytes	3
☐	99bf6235-c782-4143-a20b-4807ac16c841	2022, 11:21:57 IST	5 bytes	1

16

Message: 99bf6235-c782-4143-...ac16c841 ✕

Details   17   ...utes

ID	Size	MD5 of message body	Sender account ID
99bf6235-c782-4143-a20b-4807ac16c841	5 bytes	8b1a9953c4611296a827abf8c47804d7	098760042302

Sent	First received	Receive count	Message attributes count
16/1/2022, 11:21:57 IST	16/1/2022, 11:22:03 IST	1	-

Message attributes size	MD5 of message attributes	Message group ID	Message deduplication ID
-	-	Hello_message_group	Hello_message_dedup_id

Sequence number
18867176027064816640

Done

Message: 99bf6235-c782-4143-a20b-4807ac16c841 ✕

Details   **Body**   18

Hello

19   Done

---

15. Click to poll for messages
16. Click on the message we wish to see
17. Verify details of the message
18. Verify body of the message
19. Click on Done

Search bar: 🔍 ses | ✕

(20)

Search results for 'ses '

Services (30)
Features (72)
Blogs (6,225)
Documentation (41,610)

Services

(21)

📧 Amazon Simple Email Service
Email Sending and Receiving Service

Send your first email

Get started by creating and verifying a *sender identity* - a domain or email address you use to send email through Amazon SES.

Create identity **(22)**

Create identity

A *verified identity* is a domain, subdomain, or email address you use to send email through Amazon SES. Identity verification at the domain level extends to all email addresses under one verified domain identity.

Identity details Info

Identity type

○ **Domain**
To verify ownership of a domain, you must have access to its DNS settings to add the necessary records.

● **Email address** **(23)**
To verify ownership of an email address, you must have access to its inbox to open the verification email.

Email address

enhariharan@gmail.com **(24)**

Email address can contain up to 320 characters, includi ... (+), equals signs (=) and underscores (_).

☐ **Assign a default configuration set**
Enabling this option ensures that the assigned configuration set is applied to messages sent from this identity by default whenever a configuration set isn't specified at the time of sending.

Tags - *optional* Info
You can add one or more tags to help manage and organize your resources, including identities.

Key	Value - *optional*	
🔍 Name ✕	🔍 m7a4ses ✕	Remove
🔍 CreatedBy ✕	🔍 Hariharan Narayanan ✕	Remove

Add new tag
You can add 48 more tags.

(25)

(26)

Cancel   **Create identity**

20. Type "ses " in search
21. Click to open SES
22. Create identity
23. Select email address
24. Provide email
25. Create tags as needed
26. Create identity

27. e-mail will be unverified
28. Check email for verification link. Click on it
29. It should open a new page to confirm that email is verified
30. Go back to SES console to check if email is verified

Verified identities

Account dashboard

Reputation metrics

▼ Configuration

Verified identities

Configuration sets

Dedicated IPs

Email templates

Suppression list New

A *verified identity* is a domain, subdomain, or email address you use to send email through Amazon SES. Learn more ↗

Identities (1)

Send test email | Delete | Create identity

🔍 Search all domain and email address identities

⚙️

☑	Identity ▲	Identity type ▽	Status ▽
☑	enhariharan@gmail.com	Email address	⊘ Verified

Send test email Info

The Amazon SES mailbox simulator lets you test how your application handles different email sending scenarios. Emails that you send to the mailbox simulator do not count towards your sending quota or your bounce and complaint rates. Learn more ↗

✓ Successfully sent a test email to enhariharan@gmail.com

Message details

Email format

○ **Formatted**
Choose this option if you want to construct a simple test message using the form provided. SES takes the information entered in the form and parses it into email format for you.

● **Raw**
Choose this option if you want to send a more complex test message, such as one that uses HTML or includes attachments. This option requires you to format the entire message yourself.

From-address

enhariharan@gmail.com

Scenario Info

Choose the email sending scenario that you want to simulate. Each scenario corresponds to a different recipient email address managed by the mailbox simulator. To specify a custom recipient, select Custom.

Custom ▾

Custom recipient

While your account is in the Amazon SES sandbox, you can only send test emails to other verified identities. If you've verified an identity at the domain level, you can send a test email to any email address under that verified domain.

enhariharan@gmail.com

Message Info

Your message must be constructed using MIME formatting and must specify all of the message headers, as well as the message body.

This is a Test message to confirm if SES send email is working as expected.

▶ Additional configurations - *optional*

Cancel | Send test email