

NAME: KSHITIJ GUPTA

Enrolment Number: 21162101007

Sub: CCE

Practical – 9[Batch-71]

Step-1: Create Queue [add Name and set the type]

The screenshot shows the Amazon SQS console home page. The header includes the AWS logo, a search bar, and navigation links. The main content area is titled "Amazon SQS" and "A message queuing service". It provides a brief description of the service and a "How it works" diagram. The diagram illustrates the flow from Producers (applications, microservices, and other AWS services) to the Amazon SQS queue, and then to Consumers (applications, Lambda functions, EC2 instances, and other AWS services). A "Get started" section on the right offers a "Create queue" button. A "Pricing (US)" section below it explains the free tier limit of 1 million requests per month. The footer contains copyright information and links to privacy, terms, and cookie preferences.

The screenshot shows the "Create queue" page in the Amazon SQS console. The page is divided into two main sections: "Details" and "Configuration". In the "Details" section, the "Type" is set to "Standard" (At-least-once delivery, message ordering isn't preserved). The "Name" field is filled with "KshitiJ". A warning message states: "You can't change the queue type after you create a queue." In the "Configuration" section, the "Visibility timeout" is set to 30 seconds and the "Message retention period" is set to 4 days. The footer contains copyright information and links to privacy, terms, and cookie preferences.

Set default setting and click on create queue button

The screenshot shows the 'Create queue' page in the AWS console. The 'Name' field is filled with 'Kshiti'. The 'Configuration' section is expanded, showing settings for visibility timeout (30 seconds), message retention period (4 days), delivery delay (0 seconds), and maximum message size (256 KB). The 'Encryption' section is also visible, indicating that server-side encryption is enabled by default.

Name

Kshiti

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

Configuration [Info](#)

Set the maximum message size, visibility to other consumers, and message retention.

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 20 seconds.

Encryption [Info](#)

Amazon SQS provides in-transit encryption by default. To add at-rest encryption to your queue, enable server-side encryption.

The screenshot shows the 'Access policy' section of the 'Create queue' page. The 'Basic' method is selected for defining the access policy. The 'Define who can send messages to the queue' section has 'Only the queue owner' selected. The 'Define who can receive messages from the queue' section also has 'Only the queue owner' selected. A JSON policy is displayed on the right.

Server-side encryption

☐ Disabled

☒ Enabled

Encryption key type

☒ Amazon SQS key (SSE-SQS)

An encryption key that Amazon SQS creates, manages, and uses for you.

☐ AWS Key Management Service key (SSE-KMS)

An encryption key protected by AWS Key Management Service (AWS KMS).

Access policy [Info](#)

Define who can access your queue.

Choose method

☒ Basic

Use simple criteria to define a basic access policy.

☐ Advanced

Use a JSON object to define an advanced access policy.

Define who can send messages to the queue

☒ Only the queue owner

Only the owner of the queue can send messages to the queue.

☐ Only the specified AWS accounts, IAM users and roles

Only the specified AWS account IDs, IAM users and roles can send messages to the queue.

Define who can receive messages from the queue

☒ Only the queue owner

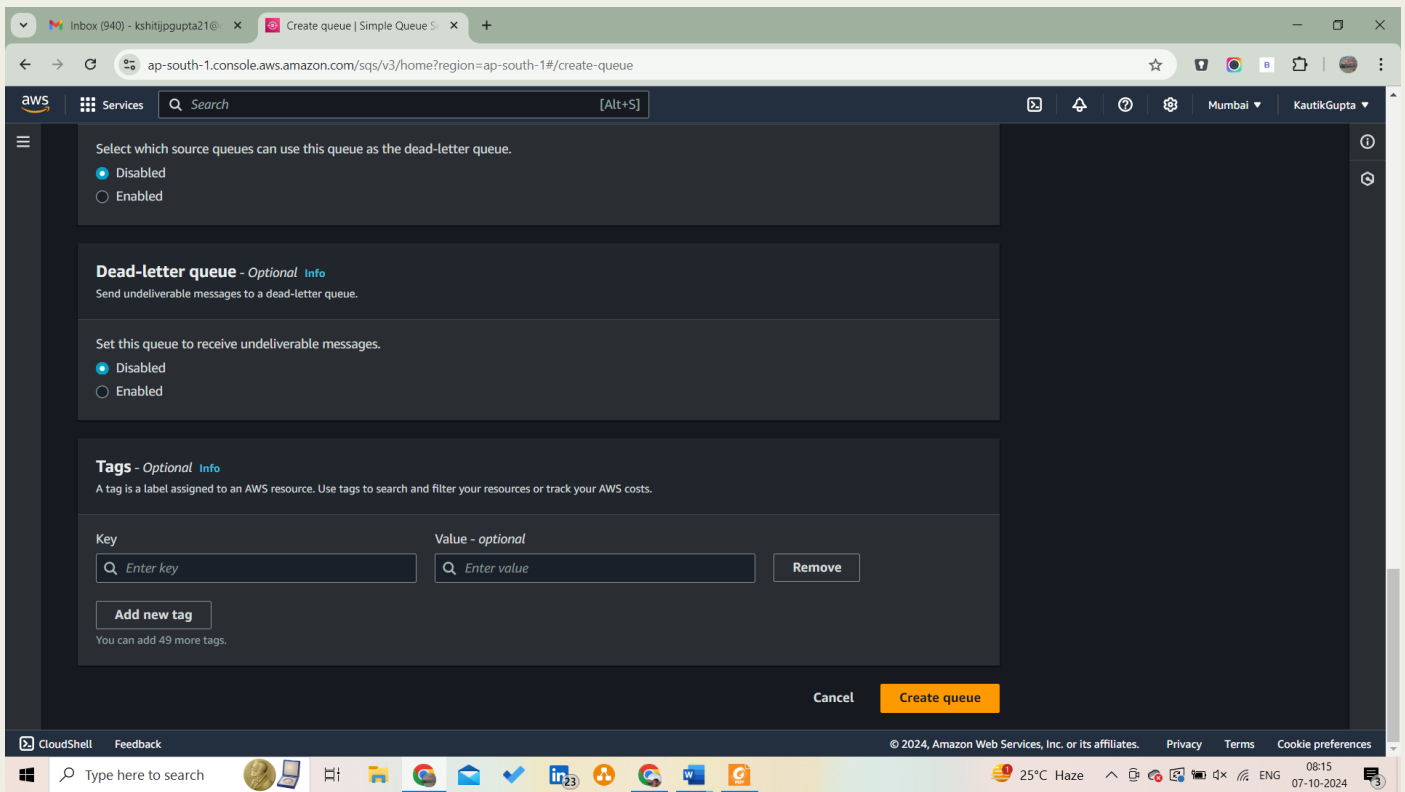
Only the owner of the queue can receive messages from the queue.

☐ Only the specified AWS accounts, IAM users and roles

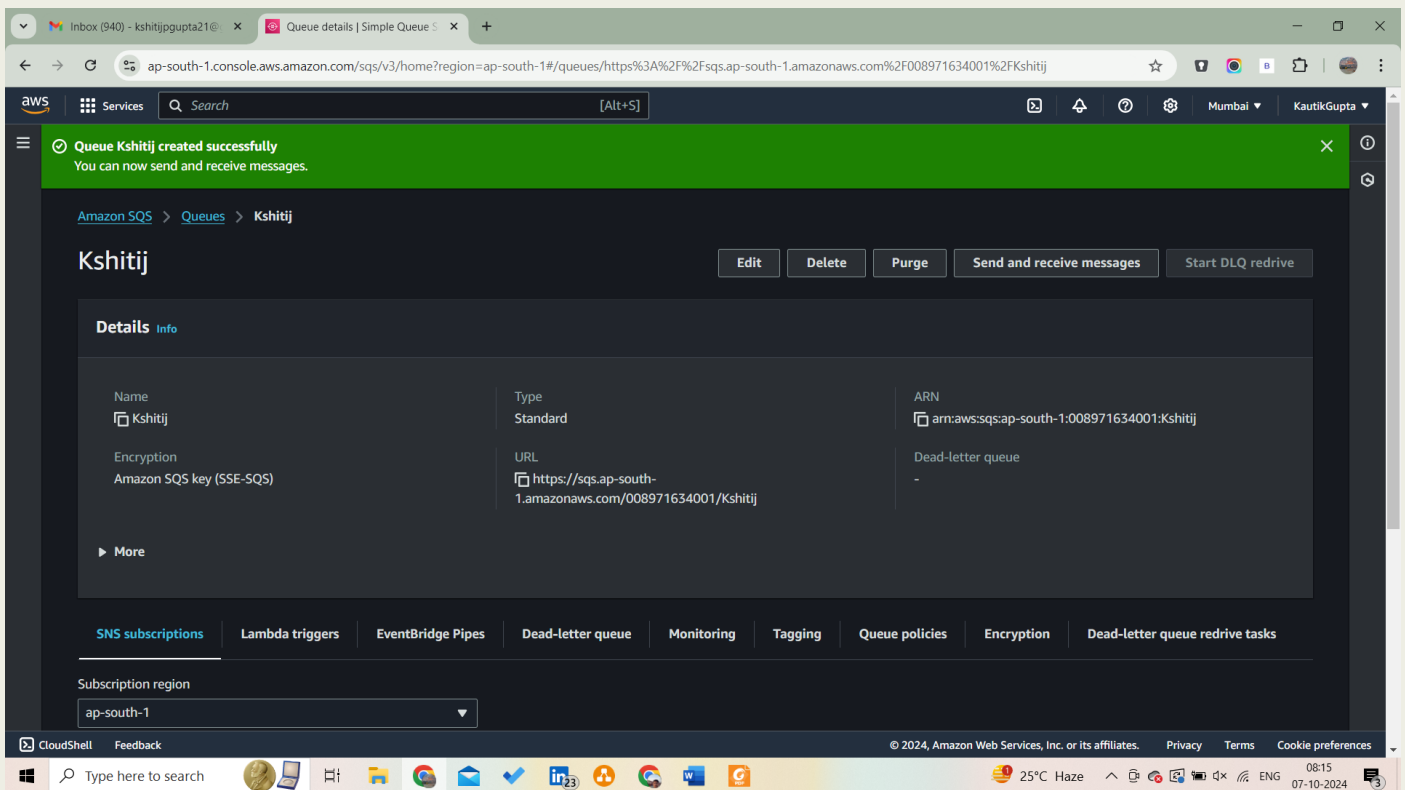
Only the specified AWS account IDs, IAM users and roles can receive messages from the queue.

JSON (read-only)

```
{
  "Version": "2012-10-17",
  "Id": "__default_policy_ID",
  "Statement": [
    {
      "Sid": "__owner_statement",
      "Effect": "Allow",
      "Principal": {
        "AWS": "000000000000"
      }
    }
  ]
}
```



Service is created



Now go to send and receive msg [write the msg and click on send button]

ap-south-1.console.aws.amazon.com/sqs/v3/home?region=ap-south-1#/queues/https%3A%2F%2Fsqs.ap-south-1.amazonaws.com%2F008971634001%2FKshitij/send-receive

Services Search [Alt+S]

Mumbai KautikGupta

Amazon SQS > Queues > Kshitij > 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.

HELlo Kshitij

Delivery delay Info

0 Seconds

Should be between 0 seconds and 15 minutes.

Message attributes - Optional Info

Receive messages Info

Edit poll settings Stop polling Poll for messages

Messages available

0

Polling duration

30

Maximum message count

10

Polling progress

0 receives/second 0%

CloudShell Feedback

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ap-south-1.console.aws.amazon.com/sqs/v3/home?region=ap-south-1#/queues/https%3A%2F%2Fsqs.ap-south-1.amazonaws.com%2F008971634001%2FKshitij/send-receive

Services Search [Alt+S]

Mumbai KautikGupta

Amazon SQS > Queues > Kshitij > Send and receive messages

Send and receive messages

Send messages to and receive messages from a queue.

Send message Info

Clear content Send message

✔ Your message has been sent and is ready to be received. View details

Message body

Enter the message to send to the queue.

HELlo Kshitij

Delivery delay Info

0 Seconds

Should be between 0 seconds and 15 minutes.

Message attributes - Optional Info

Receive messages Info

Edit poll settings Stop polling Poll for messages

Messages available

0

Polling duration

30

Maximum message count

10

Polling progress

0 receives/second 0%

CloudShell Feedback

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Go to receive section and click on pull button to got msg

ap-south-1.console.aws.amazon.com/sqs/v3/home?region=ap-south-1#/queues/https%3A%2F%2Fsqs.ap-south-1.amazonaws.com%2F008971634001%2FKshitij/send-receive

aws

Services

Search

[Alt+S]

Mumbai

KautikGupta

Message body

Enter the message to send to the queue.

HEllo Kshitij

Delivery delay

Info

0

Seconds

Should be between 0 seconds and 15 minutes.

Message attributes - Optional

Info

Receive messages

Info

Edit poll settings

Stop polling

Poll for messages

Messages available

0

Polling duration

30

Maximum message count

10

Polling progress

1 receives/second

10%

Messages (1)

View details

Delete

Search messages

< 1 >

ID	Sent	Size	Receive count
cbb8546f-2cd3-4e94-8a1e-8aad4eda0a4e	2024-10-07T08:15+05:30	13 bytes	1

CloudShell

Feedback

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Cookie preferences

Click on msg id to see msg

ap-south-1.console.aws.amazon.com/sqs/v3/home?region=ap-south-1#/queues/https%3A%2F%2Fsqs.ap-south-1.amazonaws.com%2F008971634001%2FKshitij/send-receive

aws

Services

Search

[Alt+S]

Mumbai

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Message body

Enter the message to send to the queue.

HEllo Kshitij

Delivery delay

Info

0

Seconds

Should be between 0 seconds and 15 minutes.

Message attributes - Optional

Info

Receive messages

Info

Edit poll settings

Stop polling

Poll for messages

Messages available

0

Polling duration

30

Maximum message count

10

Polling progress

1 receives/second

20%

Messages (1)

View details

Delete

Search messages

< 1 >

ID	Sent	Size	Receive count
cbb8546f-2cd3-4e94-8a1e-8aad4eda0a4e	2024-10-07T08:15+05:30	13 bytes	1

Message: cbb8546f-2cd3-4e94-8a1e-8aad4eda0a4e

Body

Attributes

Details

HEllo Kshitij

Done

CloudShell

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