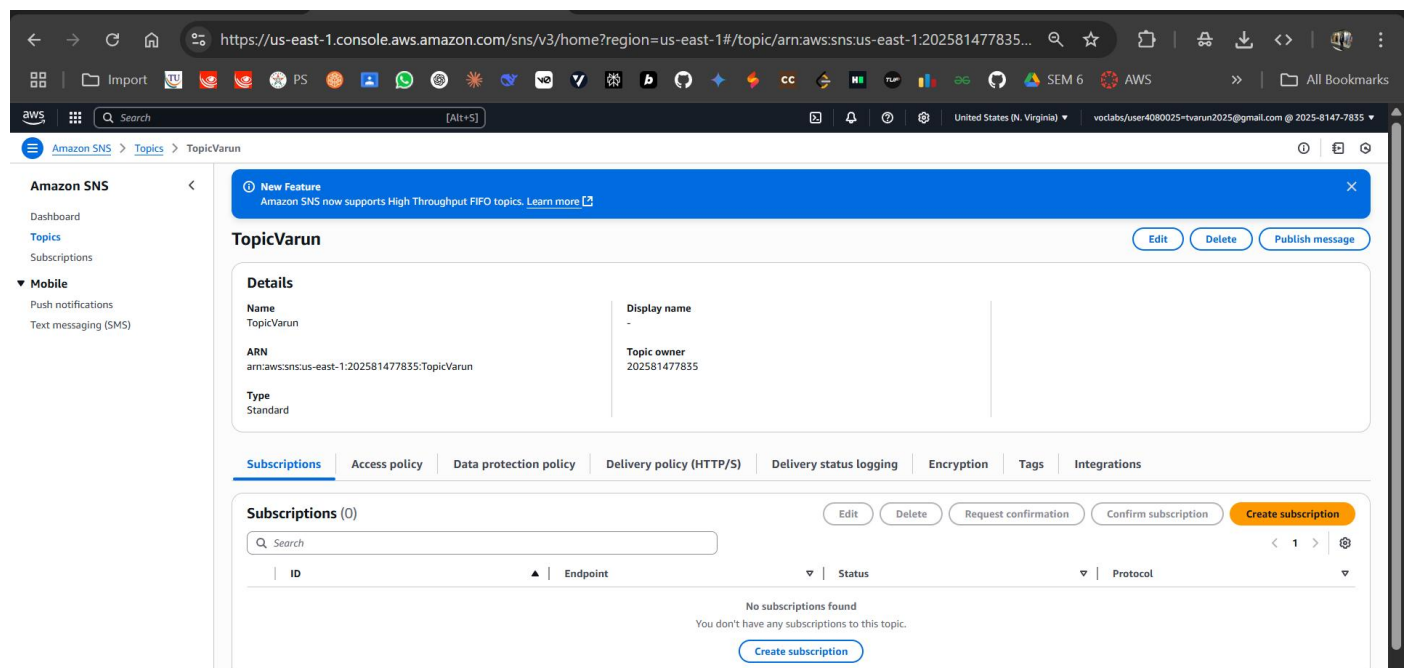


Creating a topic in SNS



Creating a subscription with Email protocol

The screenshot shows the AWS SNS console 'Create subscription' page. At the top, there's a blue banner for a 'New Feature' about High Throughput FIFO topics. The main form is titled 'Create subscription' and contains the following fields:

- Topic ARN:** A text input field containing 'arn:aws:sns:us-east-1:202581477835:TopicVarun'.
- Protocol:** A dropdown menu with 'Email' selected.
- Endpoint:** A text input field containing 'tvarun2014@gmail.com'.

Below the form, there are two optional policy sections:

- Subscription filter policy - optional:** A section with a link to 'info' and the text 'This policy filters the messages that a subscriber receives.'
- Redrive policy (dead-letter queue) - optional:** A section with a link to 'info' and the text 'Send undeliverable messages to a dead-letter queue.'

The footer of the console shows 'CloudShell', 'Feedback', and copyright information for Amazon Web Services.

Email to confirm the subscription

The screenshot shows a Gmail inbox with an email titled 'AWS Notification - Subscription Confirmation'. The email is from 'AWS Notifications <no-reply@sns.amazonaws.com>' and is addressed to 'me'. The email content is as follows:

You have chosen to subscribe to the topic:
arn:aws:sns:us-east-1:202581477835:TopicVarun

To confirm this subscription, click or visit the link below (if this was in error no action is necessary):
[Confirm subscription](#)

Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)

The email interface includes a 'Compose' button on the left, a search bar at the top, and a sidebar with folders like 'Inbox', 'Starred', 'Sent', 'Drafts', 'Spam', and 'Trash'. The email is shown in a preview pane with '1 of 1,223' items in the inbox.

On confirming the subscription

The screenshot shows the AWS SNS 'Subscription confirmed!' confirmation page. The URL in the browser is 'https://sns.us-east-1.amazonaws.com/confirmation.html?TopicArn=arn:aws:sns:us-east-1:202581477835:TopicVarun&Token=...'. The page features the AWS logo and the text 'Simple Notification Service'.

The main content area is a green box with the following text:

Subscription confirmed!

You have successfully subscribed.

Your subscription's id is:
arn:aws:sns:us-east-1:202581477835:TopicVarun:d1e9435d-36a2-435d-8108-905b774aba9d

If it was not your intention to subscribe, [click here to unsubscribe](#).

Creating a queue in SQS

The screenshot shows the 'Create queue' page in the AWS Management Console. The browser address bar displays the URL: `https://us-east-1.console.aws.amazon.com/sqs/v3/home?region=us-east-1#/create-queue`. The page title is 'Create queue'. The 'Details' section has a 'Type' dropdown set to 'Standard' (selected). Below it, a message states: 'You can't change the queue type after you create a queue.' The 'Name' field contains 'MyQueue'. The 'Configuration' section includes four settings: 'Visibility timeout' (30 seconds), 'Message retention period' (4 days), 'Delivery delay' (0 seconds), and 'Maximum message size' (256 KB). Each setting has a corresponding 'Info' link.

Create queue

Details

Type

Choose the queue type for your application or cloud infrastructure.

☒ **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

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

Name

MyQueue

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.

Creating a new subscription in SNS for the created Queue in SQS

The screenshot shows the 'Create subscription' page in the AWS Management Console. The browser address bar displays the URL: `https://us-east-1.console.aws.amazon.com/sns/v3/home?region=us-east-1#/create-subscription`. The page title is 'Create subscription'. A blue banner at the top states: 'New Feature Amazon SNS now supports High Throughput FIFO topics. Learn more'. The 'Details' section has a 'Topic ARN' field containing 'arn:aws:sns:us-east-1:202581477835:TopicVarun'. The 'Protocol' dropdown is set to 'Amazon SQS'. The 'Endpoint' field contains 'arn:aws:sqs:us-east-1:202581477835:MyQueue'. There is an unchecked checkbox for 'Enable raw message delivery'. A message states: 'After your subscription is created, you must confirm it.' Below this, there are two optional sections: 'Subscription filter policy - optional' and 'Redrive policy (dead-letter queue) - optional'.

Create subscription

Details

Topic ARN

arn:aws:sns:us-east-1:202581477835:TopicVarun

Protocol

The type of endpoint to subscribe

Amazon SQS

Endpoint

Only Amazon SQS standard queues will be listed and can receive notifications from an Amazon SNS standard topic.

arn:aws:sqs:us-east-1:202581477835:MyQueue

☐ Enable raw message delivery

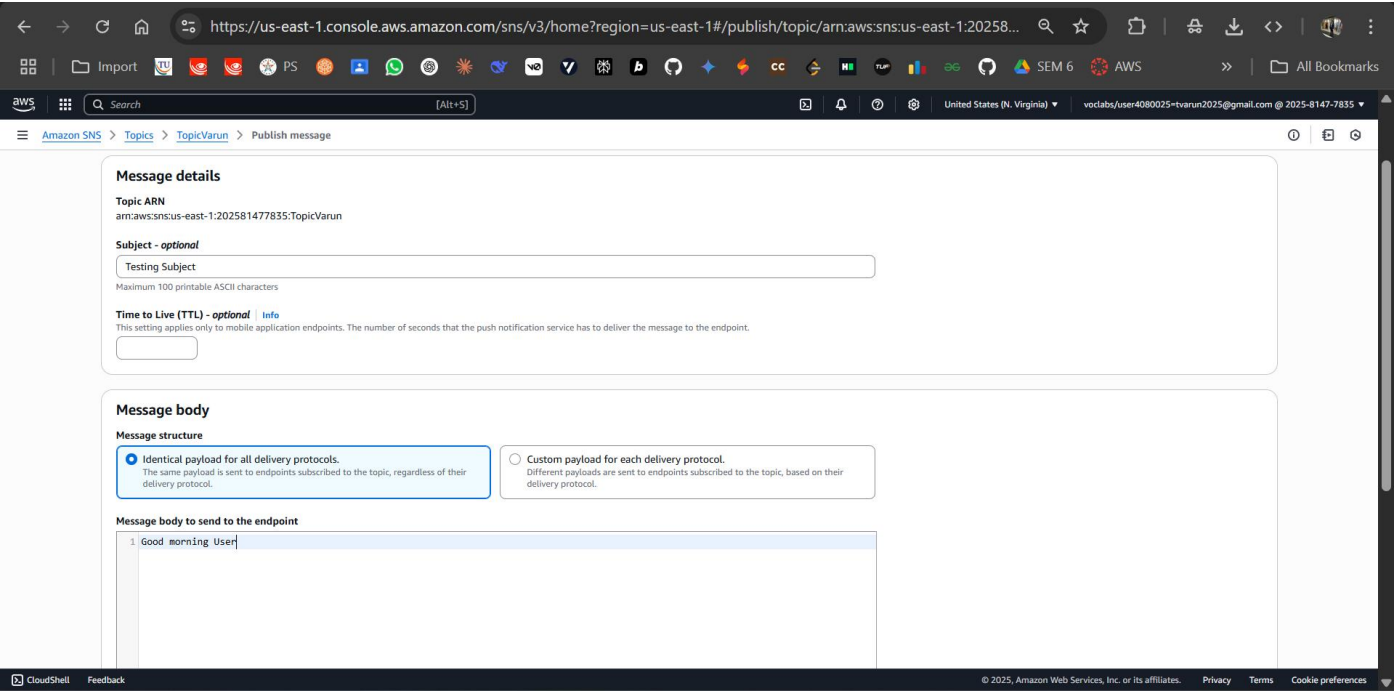
After your subscription is created, you must confirm it.

Subscription filter policy - optional [Info](#)

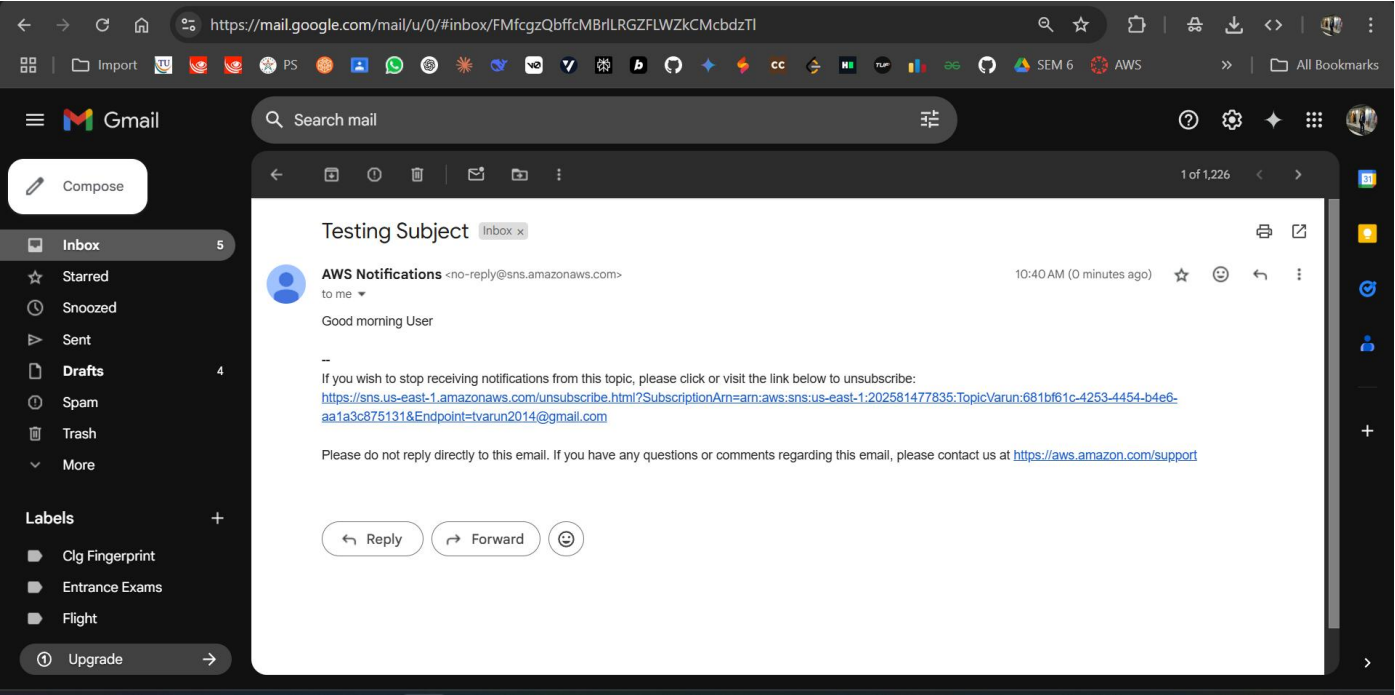
This policy filters the messages that a subscriber receives.

Redrive policy (dead-letter queue) - optional [Info](#)

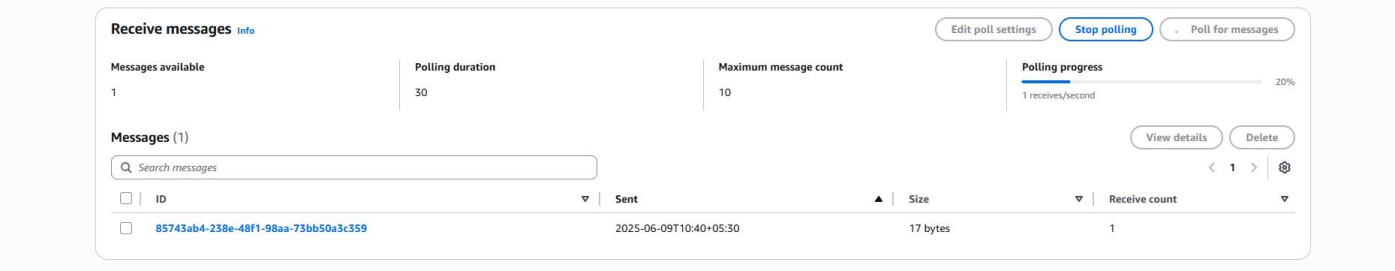
Publishing a message from SNS



Message received through Email



Message received in SQS



Message: 85743ab4-238e-48f1-98aa-73bb50a3c359



Body

Attributes

Details

Good morning User

Done