

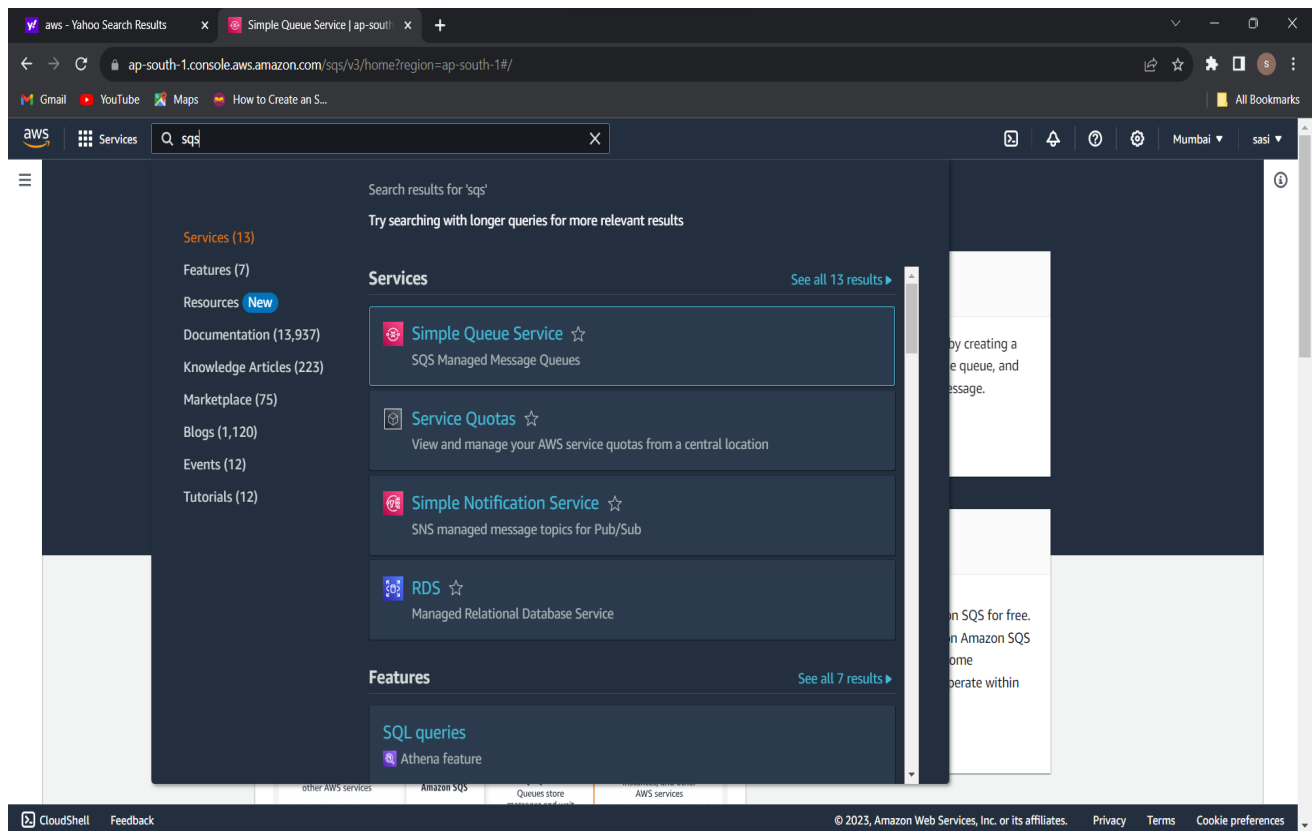
SES and SQS TASKS

Problem Statement: You work for XYZ Corporation. Your team is asked to deploy similar architecture multiple times for testing, development, and production purposes. Implement CloudFormation for the tasks assigned to you below.

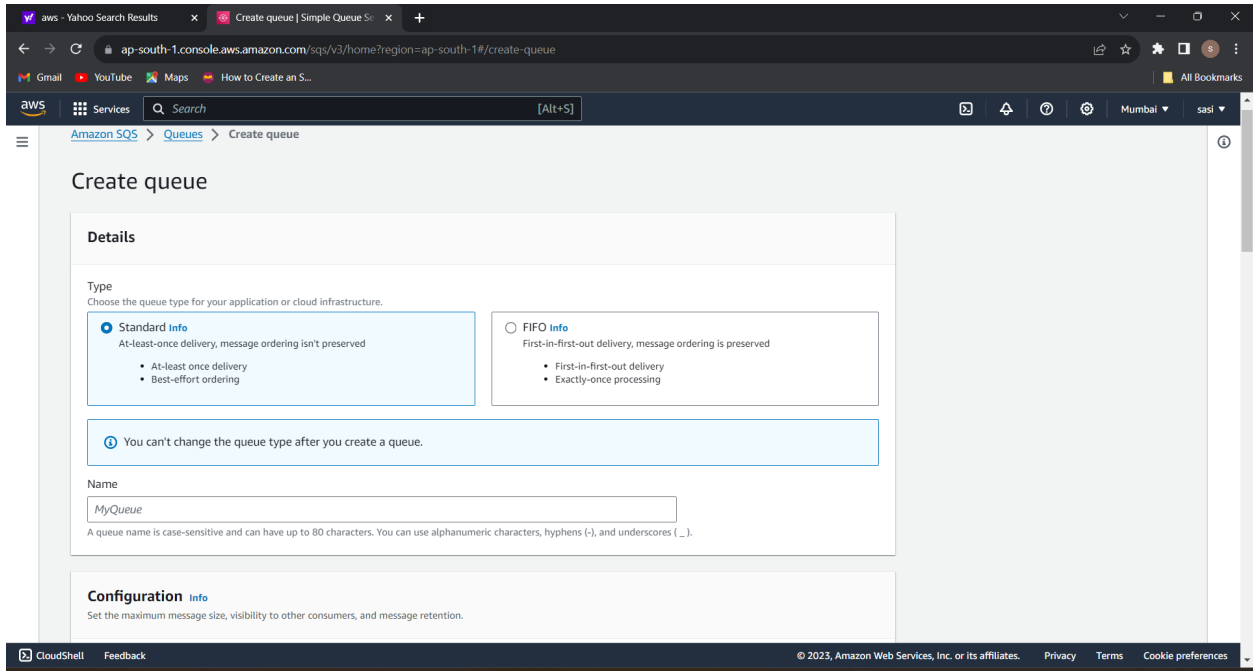
Tasks To Be Performed:

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

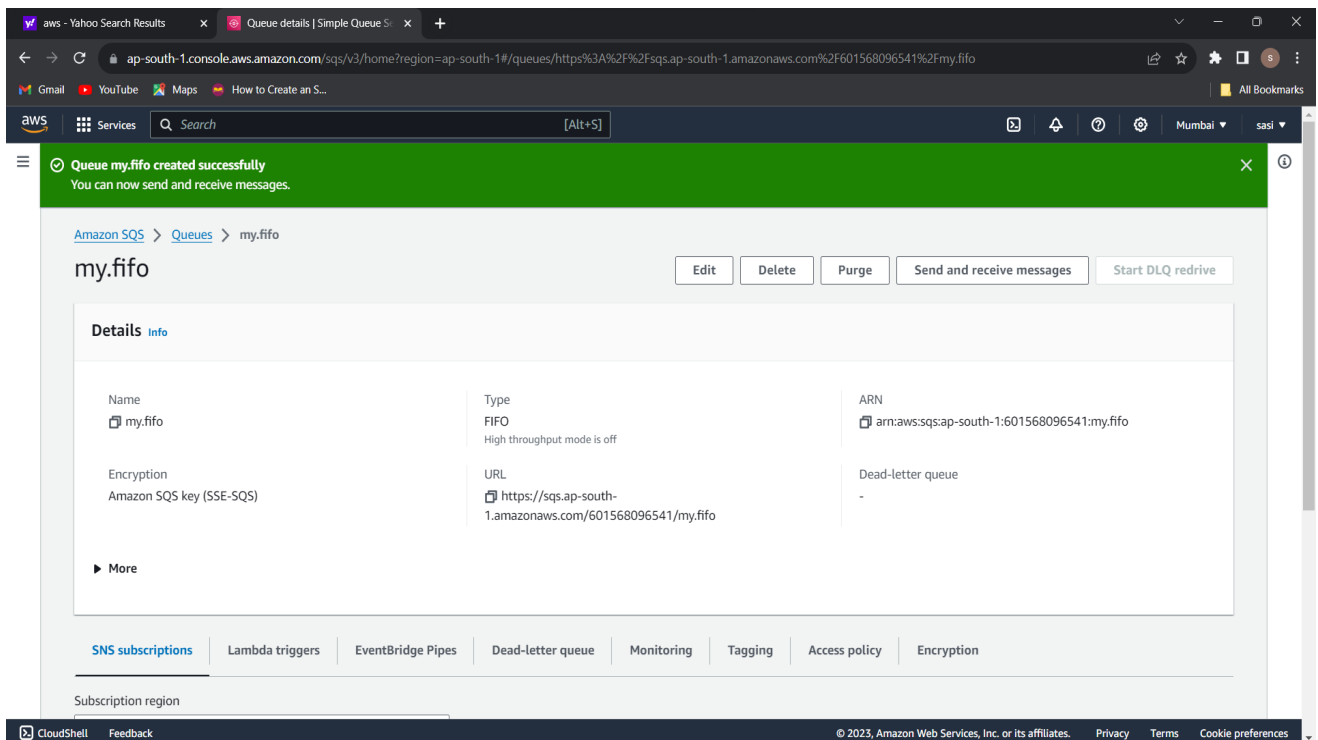
Open amazon console search for SQS

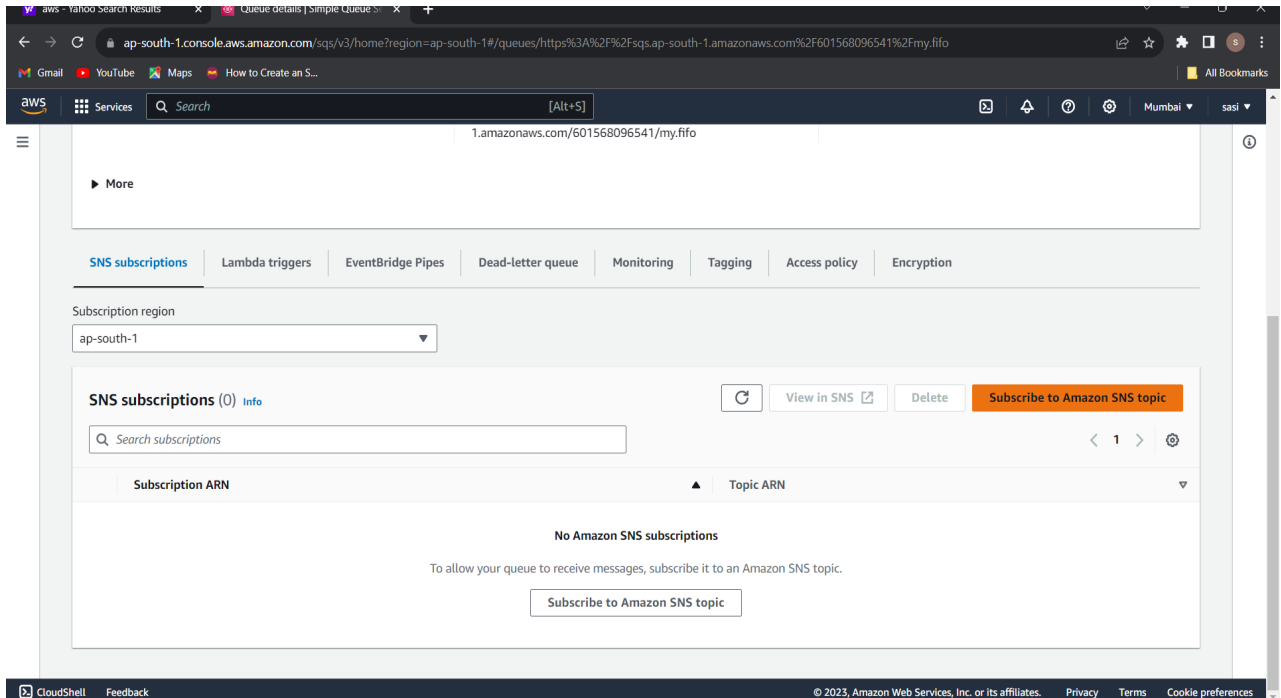


Select fifo

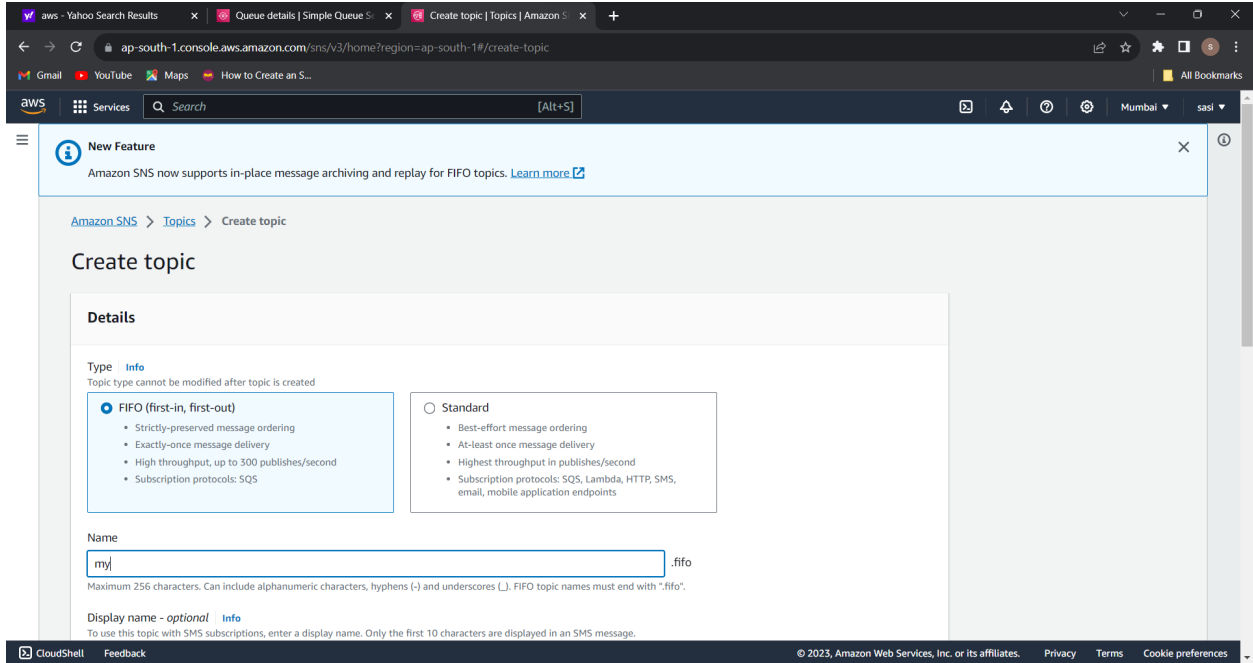


Click on FIFO





Click on subscribe to Amazon SNS topic



Select FIFO

Create a topic

aws - Yahoo Search ResultsQueue details | Simple Queue S...Create topic | Topics | Amazon S...+ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#/create-topicGmailYouTubeMapsHow to Create an S...All BookmarksawsServicesSearch[Alt+S]MumbaiSasi

Exactly-once message delivery

High throughput, up to 300 publishes/second

Subscription protocols: SQS

At-least once message delivery

Highest throughput in publishes/second

Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

Name

my.fifo

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (_). FIFO topic names must end with ".fifo".

Display name - optionalInfo

To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.

My Topic

Maximum 100 characters.

Content-based message deduplicationInfo

Enable default message deduplication based on message content. If unchecked, a deduplication ID must be provided for every publish request.

☒ Turn on message deduplication

► Encryption - optional

Amazon SNS provides in-transit encryption by default. Enabling server-side encryption adds at-rest encryption to your topic.

► Access policy - optionalInfo

This policy defines who can access your topic. By default, only the topic owner can publish or subscribe to the topic.

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aws - Yahoo Search ResultsQueue details | Simple Queue S...Create subscription | Subscriptio...+ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#/create-subscriptionGmailYouTubeMapsHow to Create an S...All BookmarksawsServicesSearch[Alt+S]MumbaiSasi

Details

Topic ARN

arn:aws:sns:ap-south-1:601568096541:my.fifo

Retention policy

Inactive

Protocol

The type of endpoint to subscribe

Amazon SQS

Endpoint

Both Amazon SQS FIFO and Standard queues can receive notifications from an Amazon SNS FIFO topic.

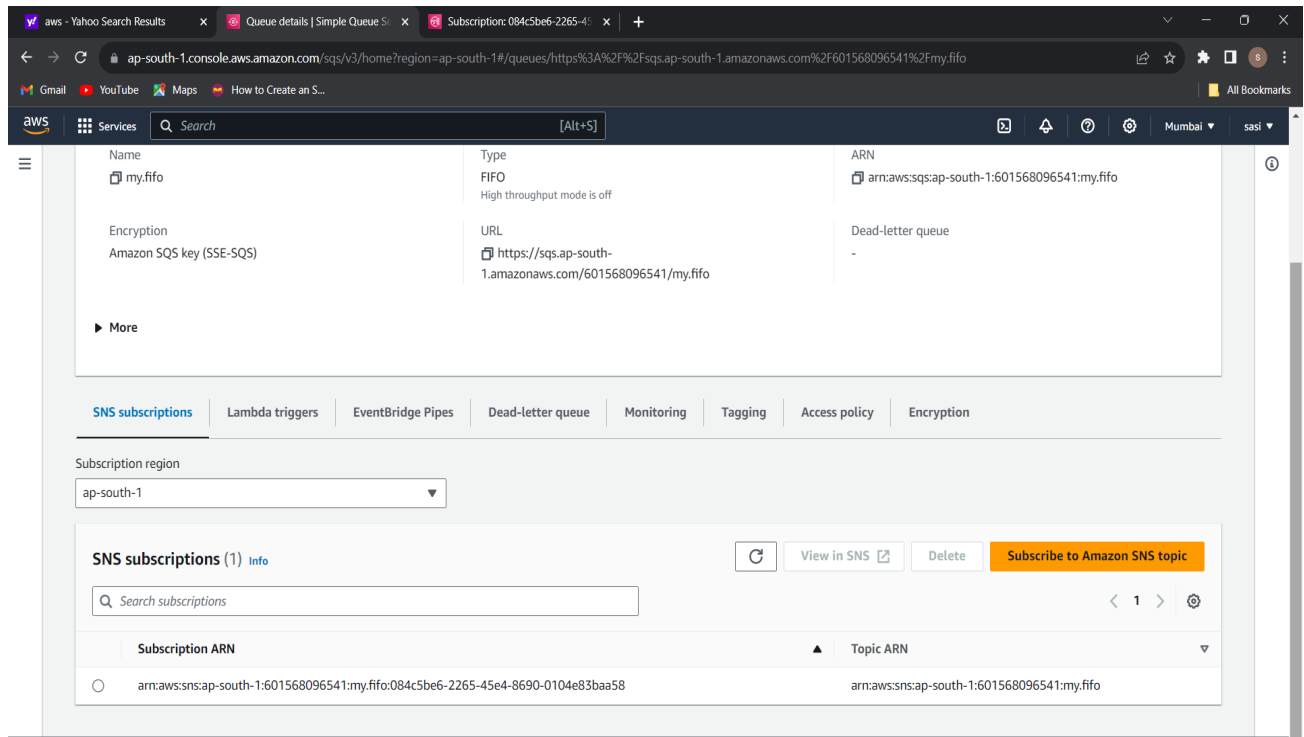
arn:aws:sqs:us-east-1:123456789012:MyQueue.fifo

Strict message ordering and deduplication are guaranteed only when delivering to Amazon SQS FIFO queues.

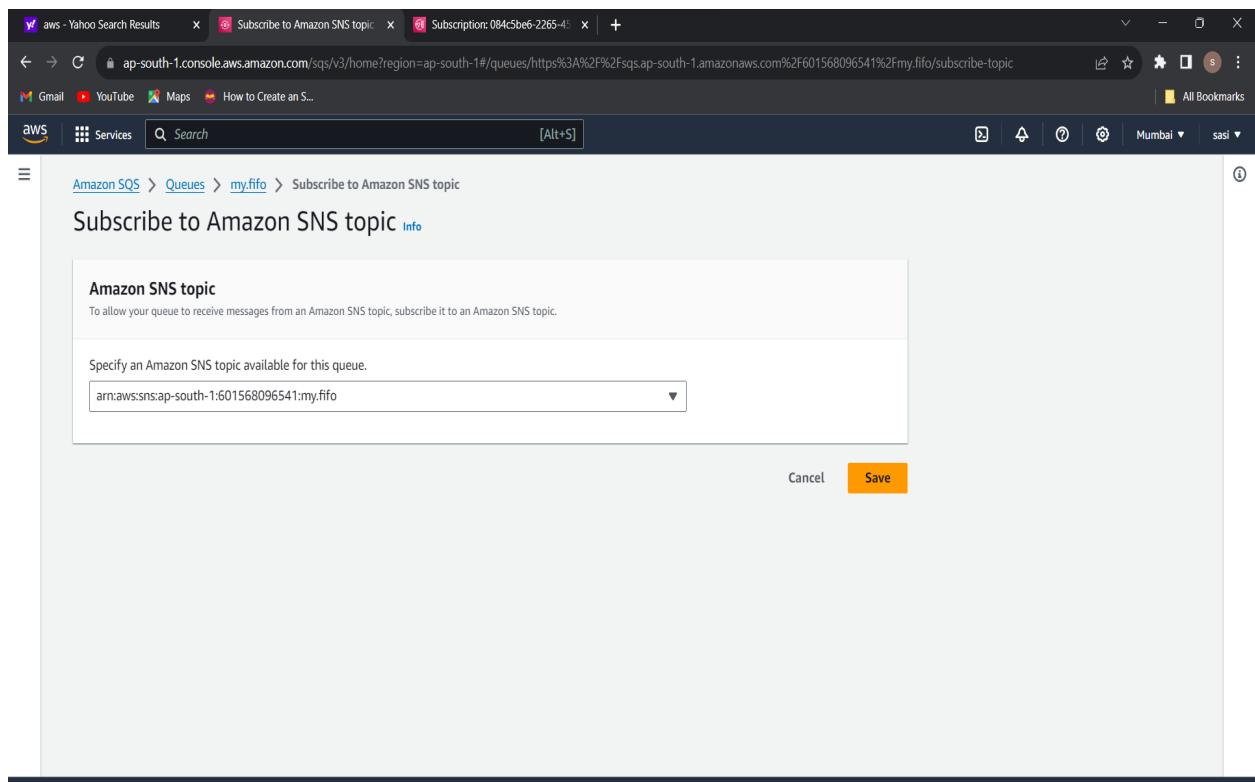
☐ Enable raw message delivery

After your subscription is created, you must confirm it.

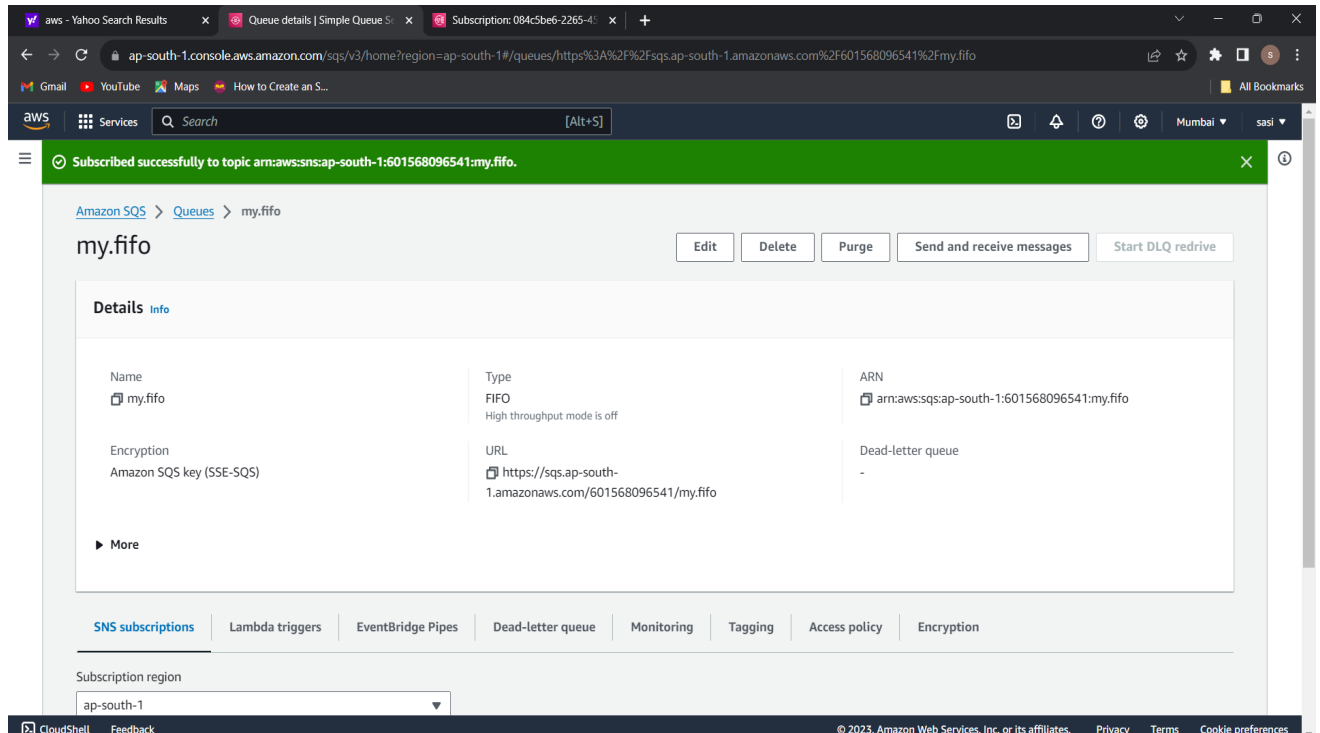
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Select both SNS and SQS

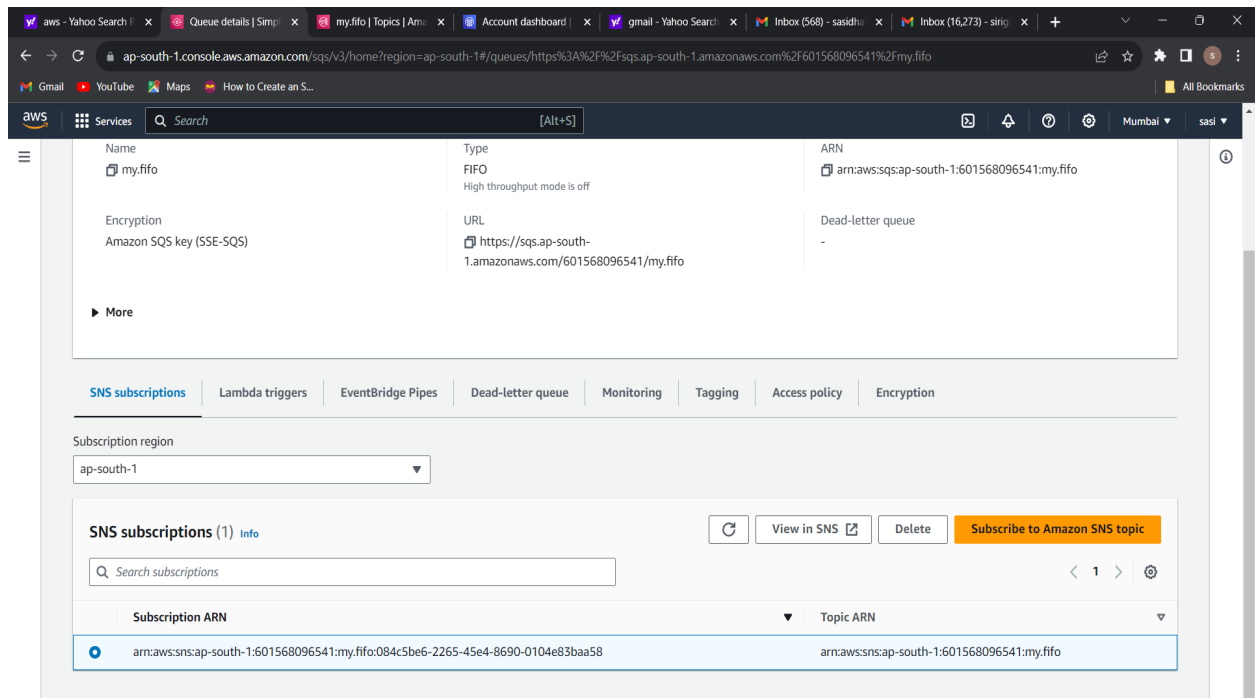


Select SNS



Subscription added

Final outputs of both SNS and SQS FIFO



aws - Yahoo Search x Queue details | x my.fifo | Topics | Account dashbo x gmail - Yahoo S x Inbox (568) - sa x Untitled docum x Inbox (16,273) - x +

ap-south-1.console.aws.amazon.com/sqs/v3/home?region=ap-south-1#/queues/https%3A%2F%2Fsqs.ap-south-1.amazonaws.com%2F601568096541my.fifo

Gmail YouTube Maps How to Create an S... All Bookmarks

RWS Services Search [Alt+S]

Amazon SQS > Queues > my.fifo

my.fifo Edit Delete Purge Send and receive messages Start DLQ redrive

Details info

Name my.fifo	Type FIFO High throughput mode is off	ARN arn:aws:sqs:ap-south-1:601568096541:my.fifo
Encryption Amazon SQS key (SSE-SQS)	URL https://sqs.ap-south-1.amazonaws.com/601568096541/my.fifo	Dead-letter queue -

More

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

Subscription region
ap-south-1

SNS subscriptions (1) info View in SNS Delete Subscribe to Amazon SNS topic

Search subscriptions

Subscription ARN	Topic ARN
arn:aws:sns:ap-south-1:601568096541:my.fifo:084c5be6-2265-45e4-8690-0104e83baa58	arn:aws:sns:ap-south-1:601568096541:my.fifo

aws - Yahoo Search x Queue details | x my.fifo | Topics | Account dashbo x gmail - Yahoo S x Inbox (568) - sa x Untitled docum x Inbox (16,273) - x +

ap-south-1.console.aws.amazon.com/sns/v3/home?region=ap-south-1#/topic/arn:aws:sns:ap-south-1:601568096541:my.fifo

Gmail YouTube Maps How to Create an S... All Bookmarks

aws Services Search [Alt+S]

Amazon SNS x New Feature Amazon SNS now supports in-place message archiving and replay for FIFO topics. Learn more

Amazon SNS > Topics > my.fifo

my.fifo Edit Delete Publish message

Details

Name my.fifo	Display name -	Retention policy Inactive
ARN arn:aws:sns:ap-south-1:601568096541:my.fifo	Topic owner 601568096541	
Type FIFO	Content-based message deduplication Enabled	

Subscriptions Access policy Archive policy Delivery status logging Encryption Tags Integrations

Subscriptions (1) Edit Delete Request confirmation Confirm subscription Create subscription

Search

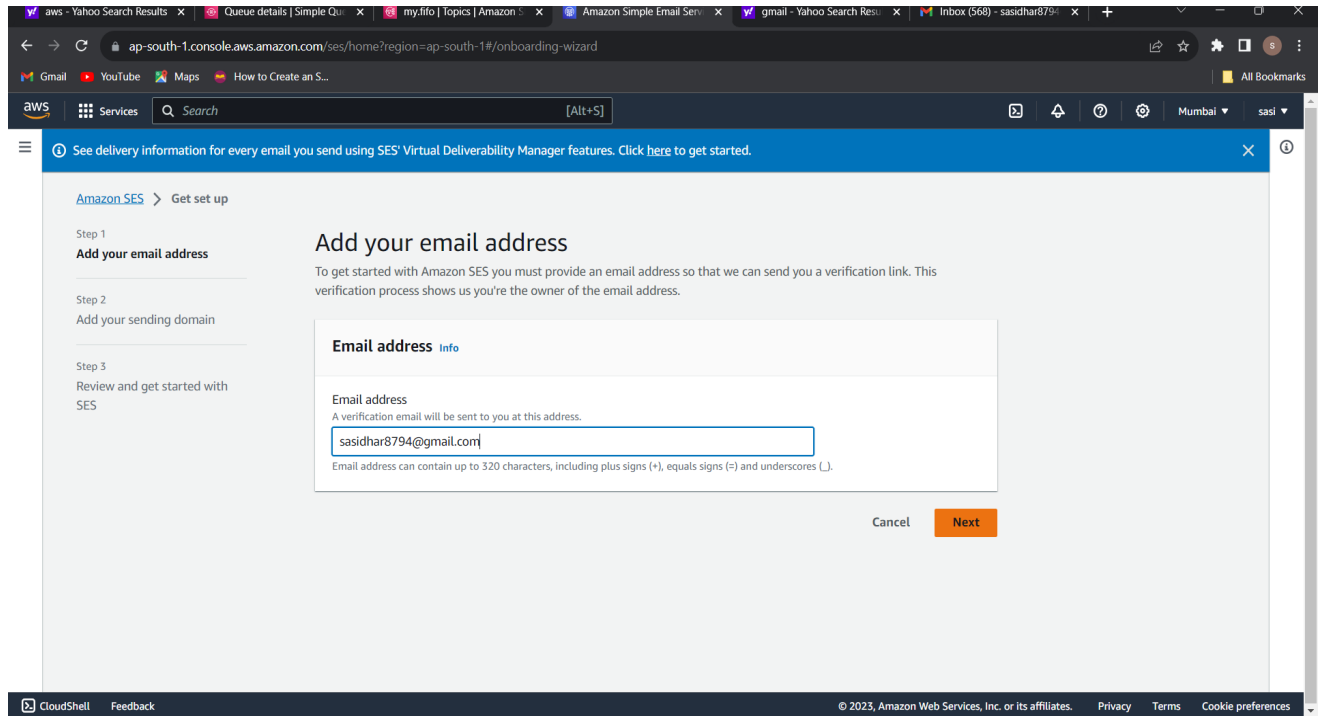
ID	Endpoint	Status	Protocol
084c5be6-2265-45e4-8690-010...	arn:aws:sqs:ap-south-1:6015680...	Confirmed	SQS

CloudShell Feedback

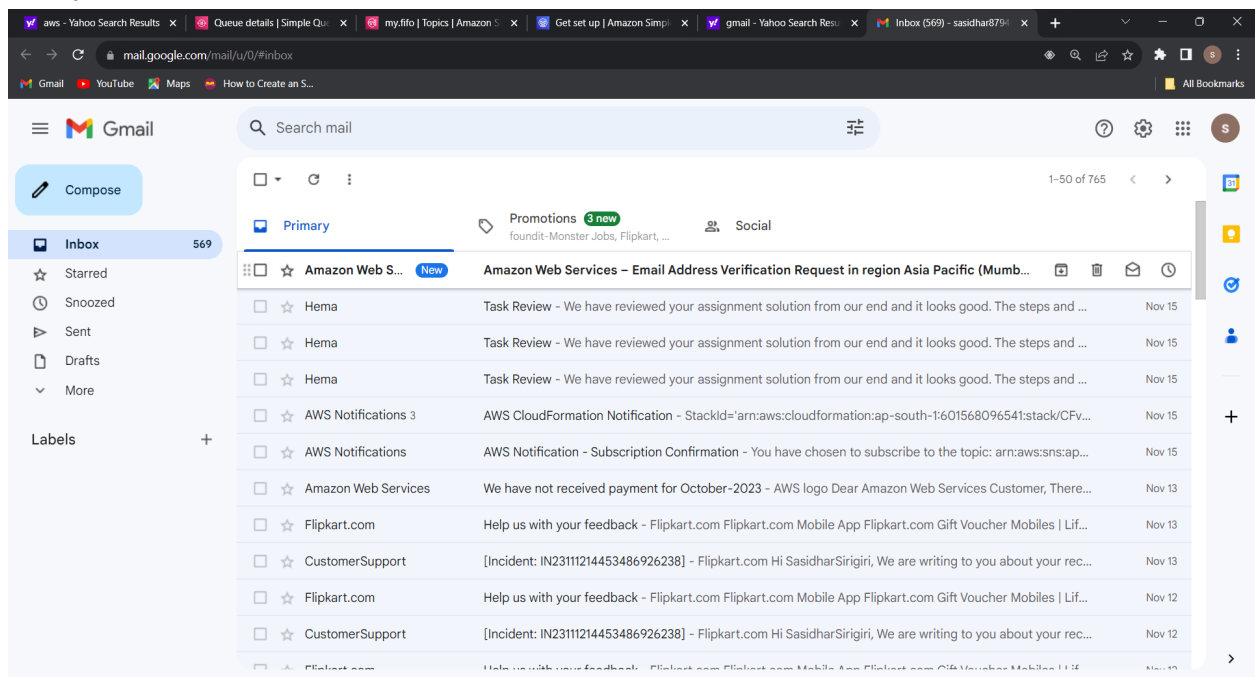
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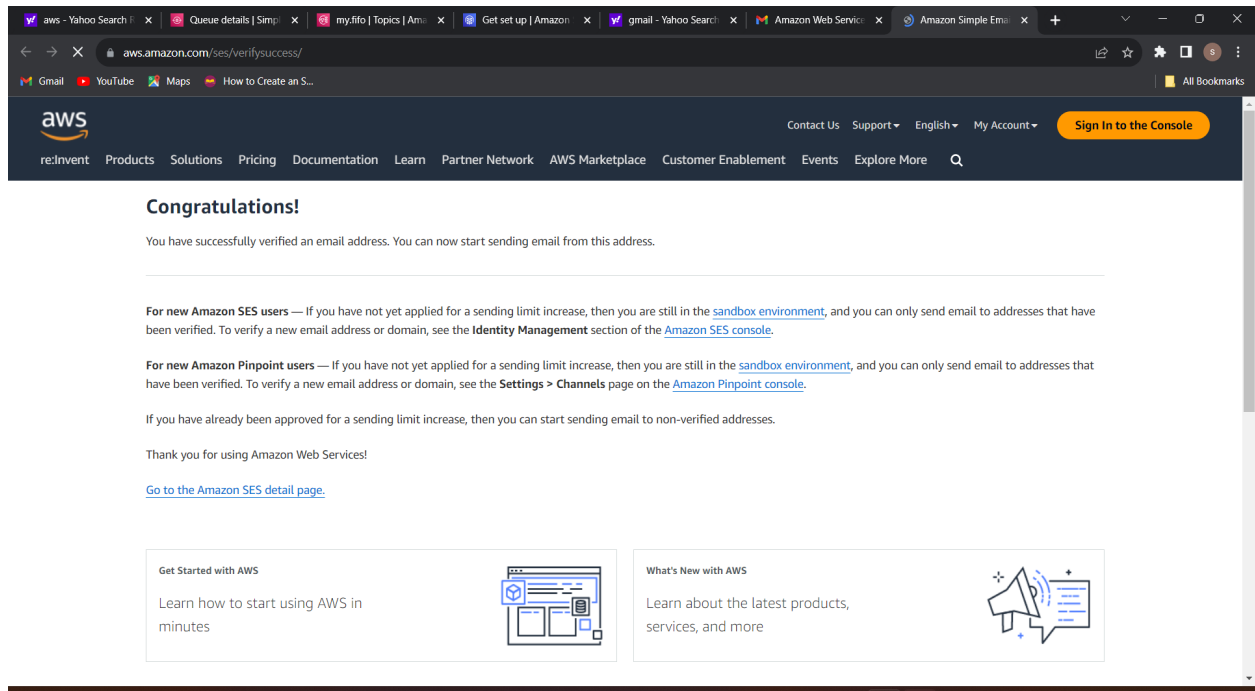
2) Register your mail in SES and send a test mail to yourself.

Search for SES in AWS console



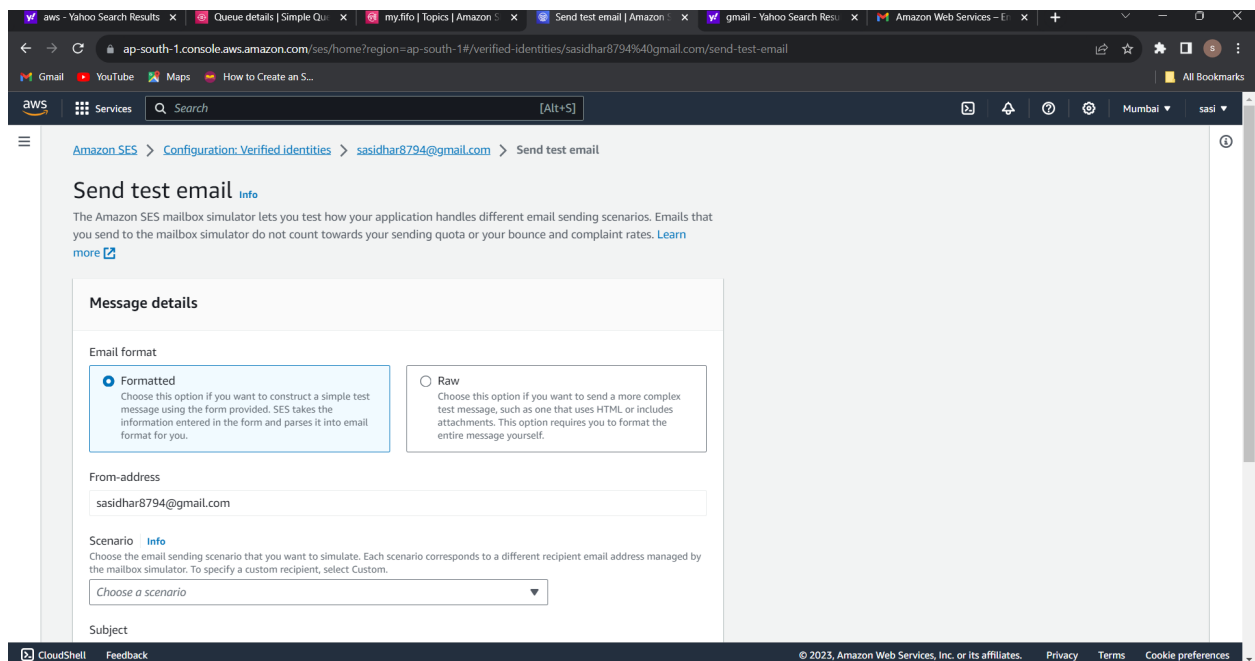
Give your Email

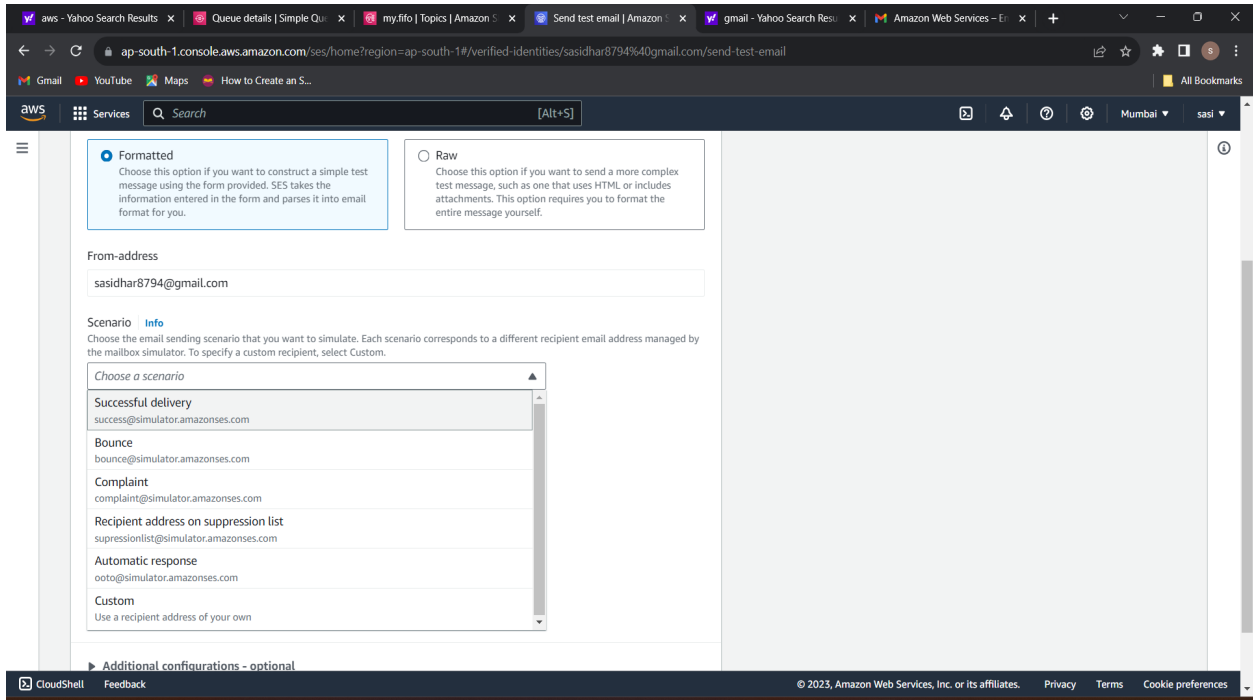




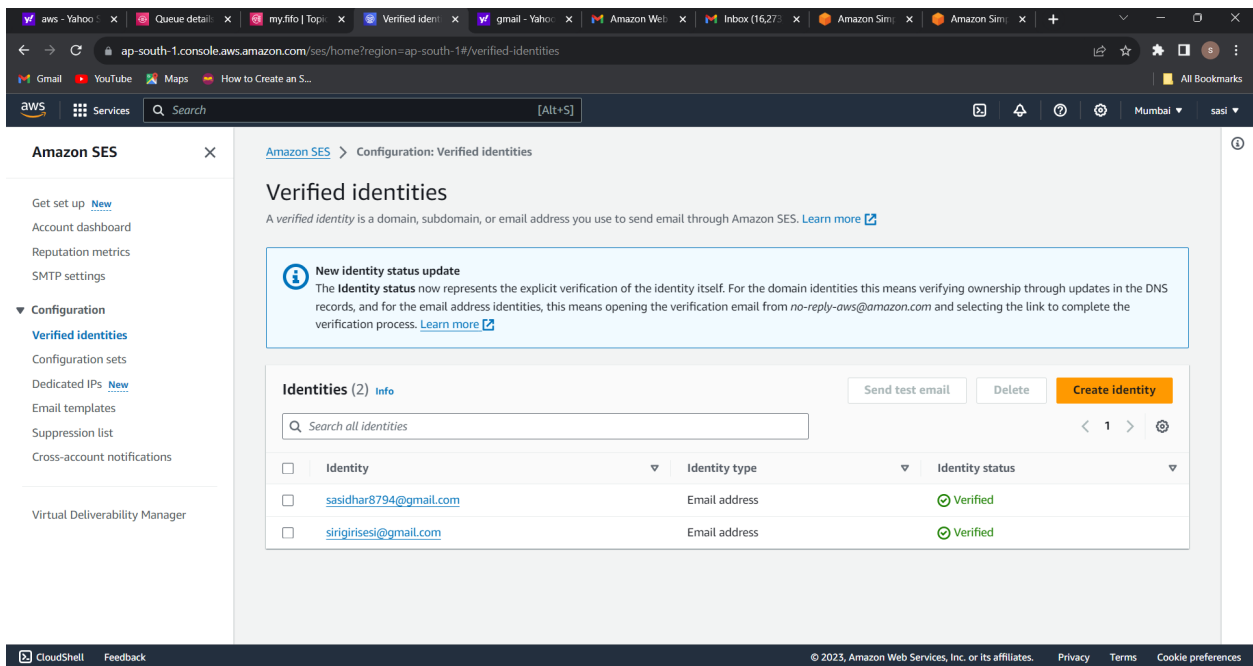
Click confirmation page it will show like above image

After that click on test mail.

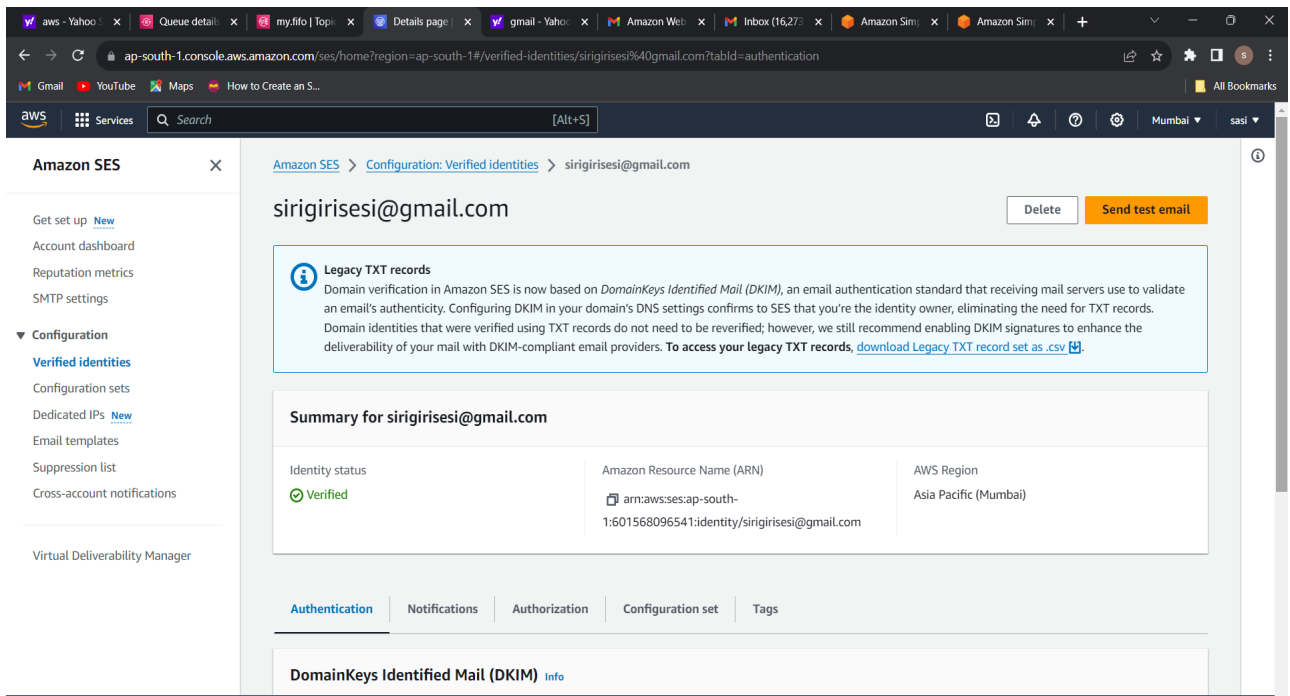
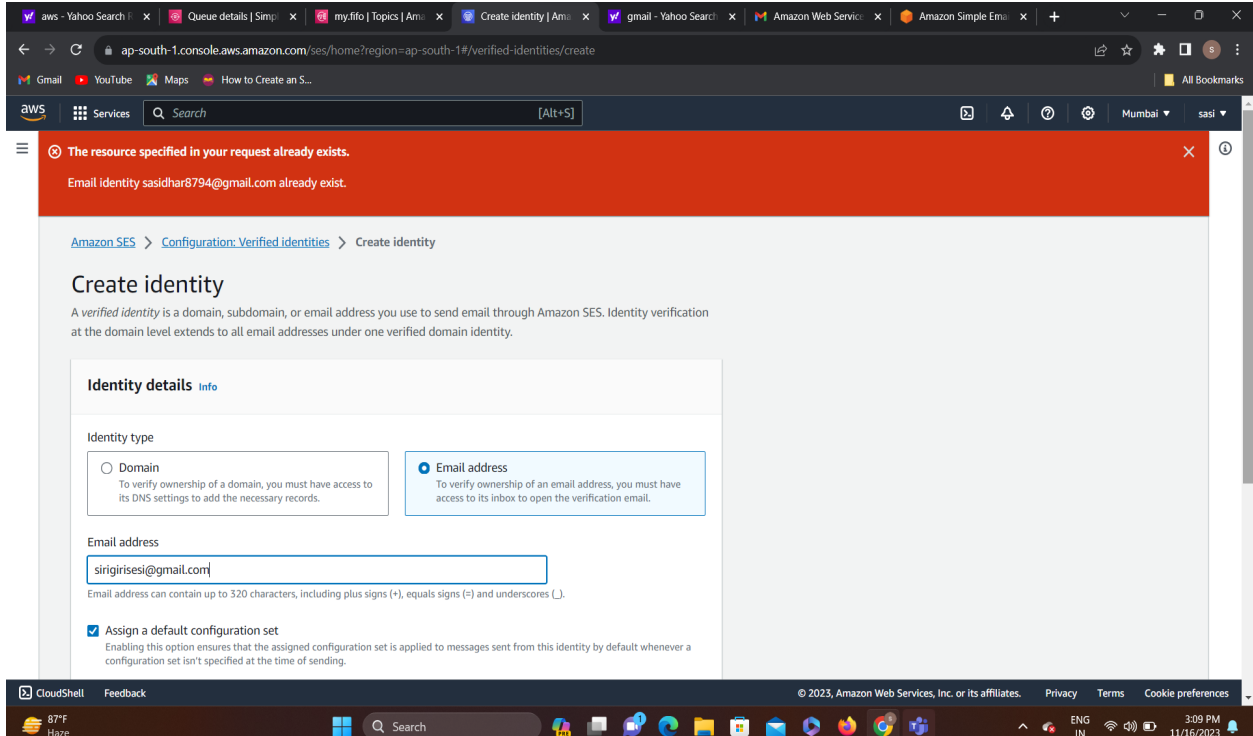


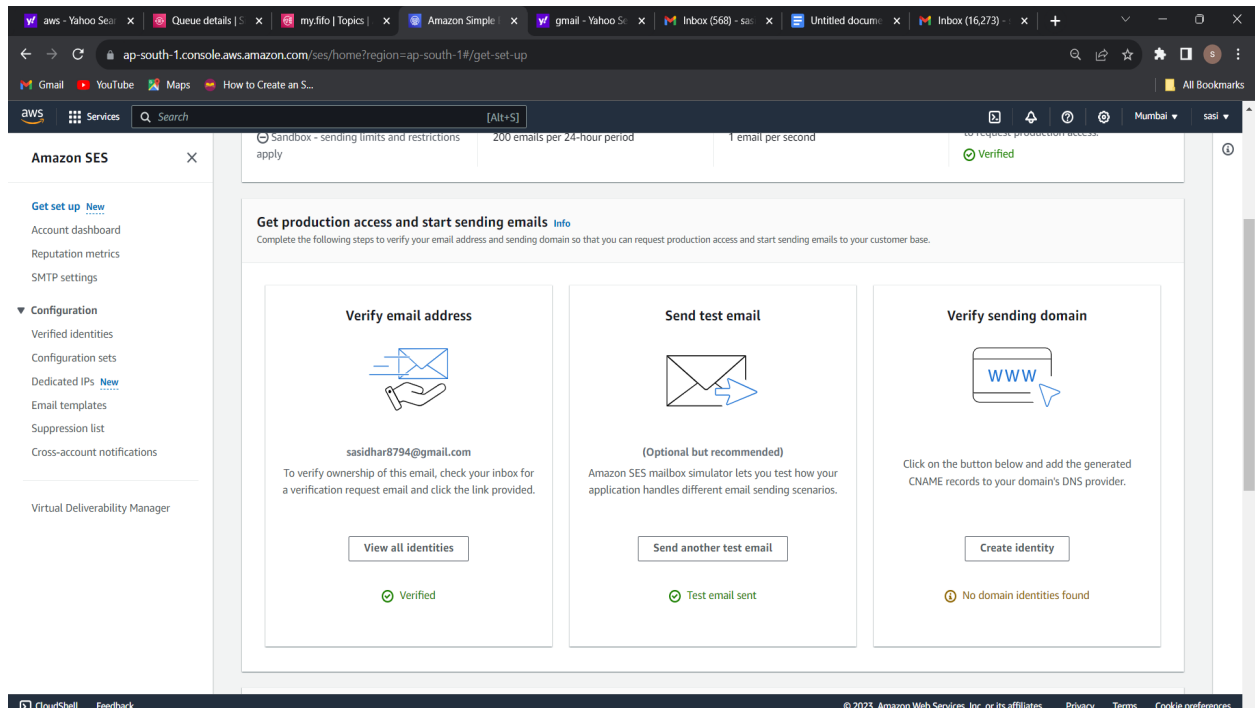


Test mail



Click create identity
Add new mail on that.





Finally it will appear like above