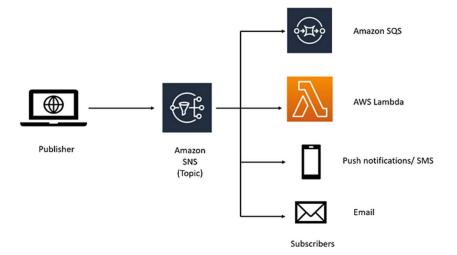


Amazon SNS: (Push Based)

- Amazon Simple Notification Service (Amazon SNS) is a managed service that provides message delivery from publishers to subscribers (also known as producers and consumers).
- Publishers communicate asynchronously with subscribers by sending messages to a topic, which is a logical access point and communication channel.
- Clients can subscribe to the Amazon SNS topic and receive published messages using a supported endpoint type, such as Amazon Data Firehose, Amazon SQS, AWS Lambda, HTTP, email, mobile push notifications, and mobile text messages (SMS).



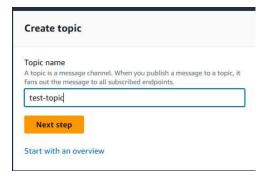
Steps:

In the same of the

1. Login to AWS Console and search for SNS.

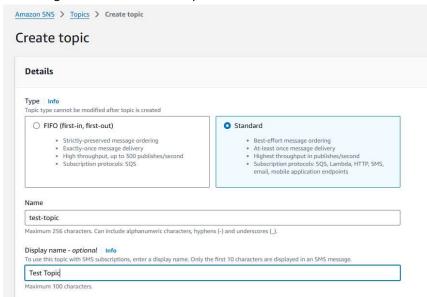


- 2. Click on Simple Notification Service.
- 3. Create a Topic.

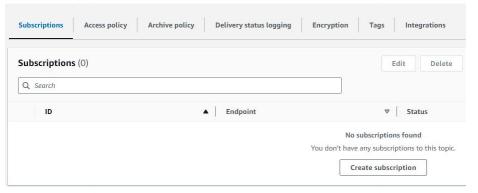




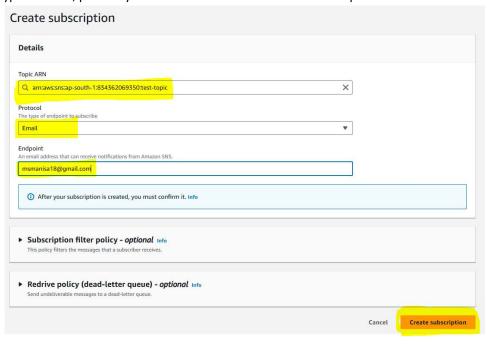
4. Go with default settings and click on Create Topic.



5. Click on Create subscription.

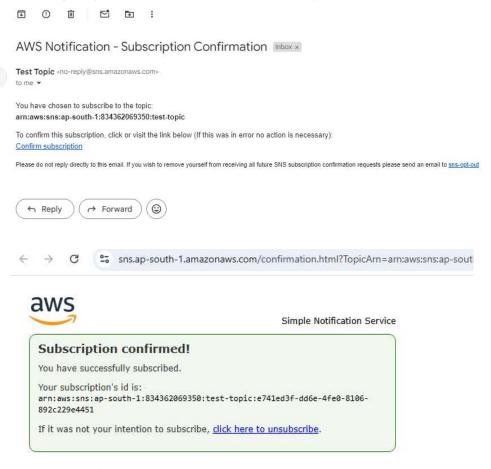


6. Select type as email, provide your email ID and click on create subscription.

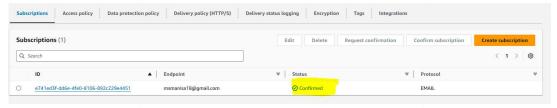




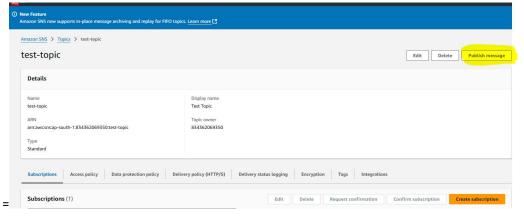
7. Verify your email, go to your email and click on Confirm Subscription.



8. Now if you check the status under Subscriptions, it should show as Confirmed.

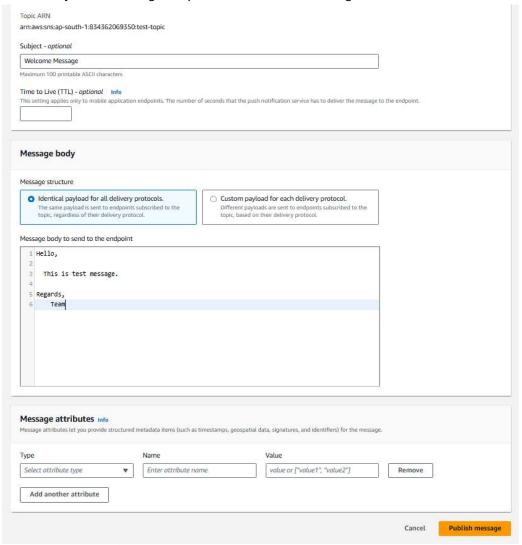


9. Now click on Publish Message under topic.





10. Provide the subject and message body and click on Publish Message.



11. Check your email, you must get the email notification.





Amazon Simple Queue Service (SQS): (Pull Based)

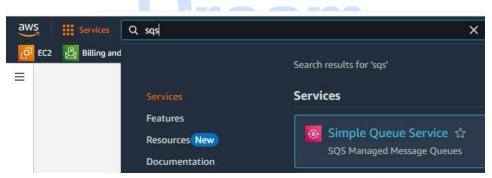
- Amazon Simple Queue Service (Amazon SQS) offers a secure, durable, and available hosted queue that lets you integrate and decouple distributed software systems and components.
- It provides a generic web services API that you can access using any programming language that the AWS SDK supports.

Benefits of using Amazon SQS

- Security You control who can send messages to and receive messages from an Amazon SQS queue.
- Durability For the safety of your messages, Amazon SQS stores them on multiple servers.
- Availability Amazon SQS uses redundant infrastructure to provide highly-concurrent access to messages and high availability for producing and consuming messages.
- Scalability Amazon SQS can process each buffered request independently, scaling transparently to handle any load increases or spikes without any provisioning instructions.
- Reliability Amazon SQS locks your messages during processing, so that multiple producers can send and multiple consumers can receive messages at the same time.
- Customization Your queues don't have to be exactly alike—for example, you can set a default delay on a
 queue. You can store the contents of messages larger than 256 KB using Amazon Simple Storage Service
 (Amazon S3) or Amazon DynamoDB, with Amazon SQS holding a pointer to the Amazon S3 object, or you can
 split a large message into smaller messages.

Steps:

1. Login to AWS console and search for SQS.



2. Click on Create Queue. Give a name, go with default settings and create the queue.

