Amazon Simple Notification Service (Amazon SNS) is an AWS service that coordinates and manages the delivery or sending of messages to subscribing endpoints or clients.

When using Amazon SNS, you (as the owner) create a topic and control access to it by defining policies that determine which publishers and subscribers can communicate with the topic.

A publisher sends messages to topics that they have created or have permission to publish to. Instead of including a specific destination address in each message, a publisher sends a message to the topic.

Amazon SNS matches the topic to a list of subscribers who have subscribed to that topic and delivers the message to each of those subscribers. Each topic has a unique name that identifies the Amazon SNS endpoint for publishers to post messages and subscribers to register for notifications. Subscribers receive all messages published to the topics to which they subscribe, and all subscribers to a topic receive the same messages.

In Amazon SNS, there are two types of clients—
Publishers and subscribers—also referred to as producers and consumers. Publishers communicate asynchronously with subscribers by producing and sending a message to a topic, which is a logical access point and communication channel. Subscribers (i.e., web servers, email addresses, Amazon SQS queues, AWS Lambda functions) consume or receive the message or notification over one of the supported protocols (i.e., Amazon SQS, HTTP/S, email, SMS, Lambda) when they are subscribed to the topic.
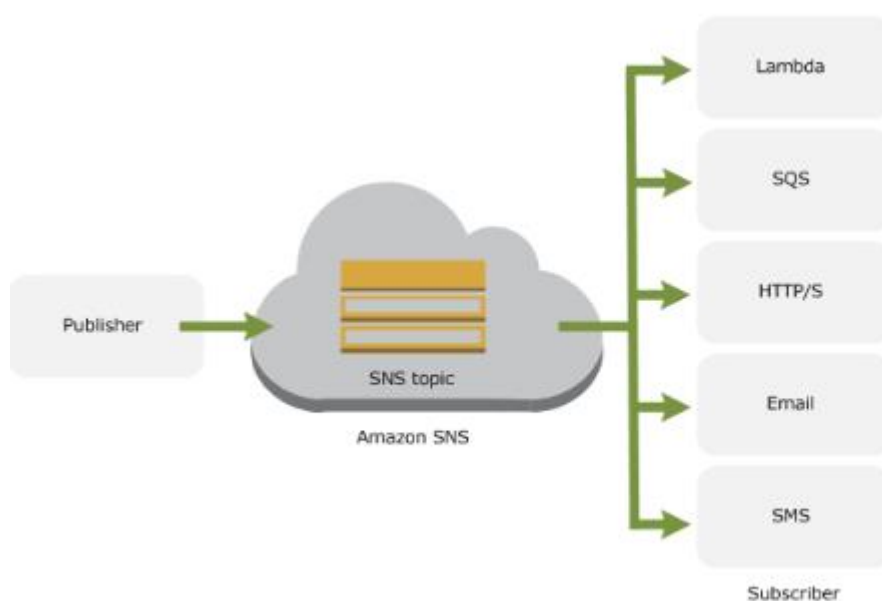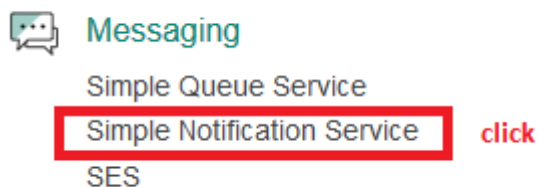
Amazon SNS concepts and quickly set up and use available tools and interfaces for creating and publishing to topics.

- Create a Topic
- Subscribe to a Topic
- Publish to a Topic
- Clean Up
- Using the AWS SDK with Amazon SNS

To create Topic, follow the steps: --

Step 1: --

Step 2: --

Step 3: --

Create new topic

Its topic name which we specify.

A topic name will be used to create a permanent unique identifier called an Amazon Resource Name (ARN).

Topic name   DssTopic

Display name   GetInfo

This is the level which will be displayed to the user

Cancel   **Create topic**

Step 4: --

Topic details: DssTopic

Publish to topic   Other topic actions ▾

Topic ARN   arn:aws:sns:us-east-2:205125362654:DssTopic
Topic owner   205125362654
Region   us-east-2
Display name GetInfo

This is the description of the topic which we created.

Subscriptions

Create subscription   Request confirmations   Confirm subscription   Other subscription actions ▾

Filter

☐   **Subscription ID**   **Protocol**   **Endpoint**
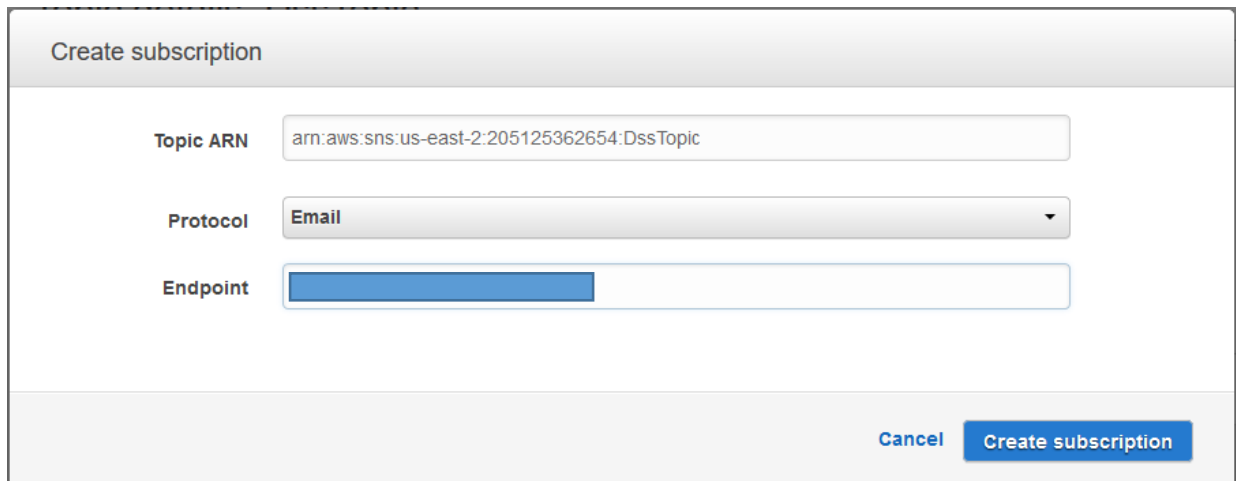
Step 5: -- Subscribe to a Topic

To subscribe to a topic

- Open the Amazon SNS console at **https://console.aws.amazon.com/sns/v2/home.**

- Click **Create subscription**

  o The Create Subscription dialog box appears.

- In the Topic ARN field, paste the topic ARN you created in the previous task, for example:

  arn:aws:sns:us-west-2:111122223333:DssTopic

- In the Protocol drop-down box, select Email

- In the Endpoint box, type an email address you can use to receive the notification.

Click Create subscription

Go to your email application and open the message from AWS Notifications, and then click the link to confirm your subscription.
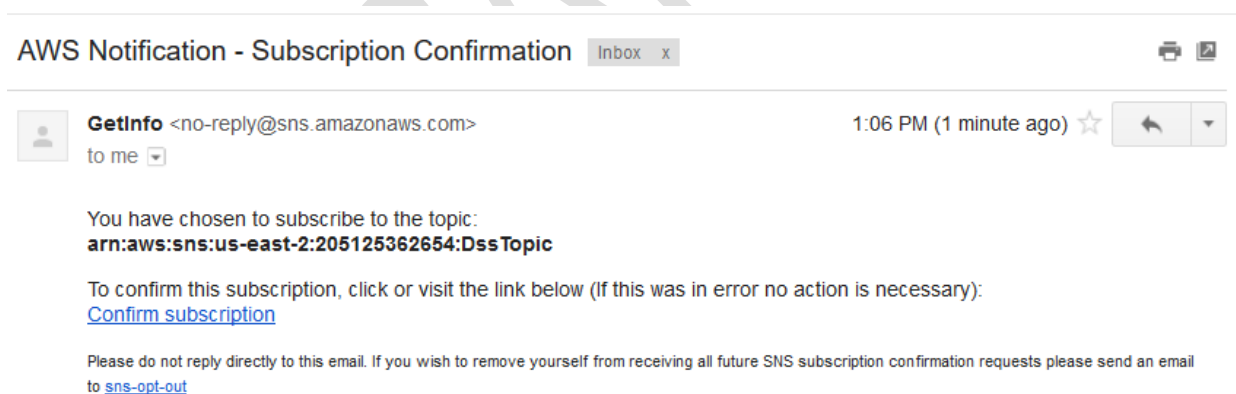
Step 6: --

Step 7: -- you will get mail which need to subscribe.

Step 8: --

To publish a topic.

Step 9: --

Publish to a Topic

Your web browser displays a confirmation response from Amazon SNS.

Step 10: --

All in one sale by Deccansoft.   Inbox   x

GetInfo <no-reply@sns.amazonaws.com>   1:38 PM (0 minutes ago)

to me

Hello student
I am glad to share with your that Deccansoft is completing its 20 years of service in the Software Industry and now we are providing a big offer to all students please visit www.deccansoft.com

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If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
https://sns.us-east-2.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-2:205125362654:
DssTopic:1f3e06dd-bec0-44b6-bbe8-535ed3e34c86&Endpoint=bikram.singh@namaninfotech.com

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