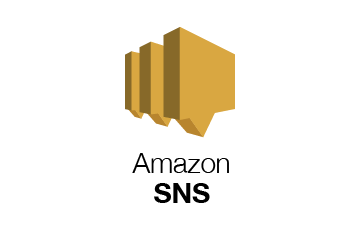
**Amazon SNS**

Amazon Simple Notification Service

Case Study



**Introduction**

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 SNS topic and receive published messages using a supported endpoint type, such as Amazon Kinesis Data Firehose, Amazon SQS, AWS Lambda, HTTP, email, mobile push notifications, and mobile text messages (SMS).


            A publisher sends a message to an Amazon SNS topic, and subscribers receive the
                message.
        

**Sign into Amazon Management Console**

* Search Simple Notification service
* Click on it or open in new tab

A screenshot of a computer

Description automatically generated

This is dashboard of Amazon SNS

* Create Topic
* Give Topic Name
* Click on Next Step

Graphical user interface, application, website

Description automatically generated

Fill required Details

* Choose Standard Type
* Name
* Display name - optional

Graphical user interface, text, application

Description automatically generated

Keep other thing default

* If encrypted message required do it otherwise leave it
* Access policy keep method Basic
* Check other details if required change it otherwise keep it default
* Click on Create Topic

Graphical user interface, text, application, Teams

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

One message will pop up on screen that your topic is created

* See required details
* Click on Create Subscription

Graphical user interface, text, application

Description automatically generated

Fill details required for subscription

* Topic ARN
* Protocol – Email, AWS lambda, SMS, etc

Graphical user interface, text, application, email

Description automatically generated

* Write endpoint to it
* I Have chosen email that’s why I wrote my email ID
* Keep other option by default by now.
* Click on Create subscription

Icon

Description automatically generated

Graphical user interface, application, Teams

Description automatically generated

Your Subscription is created

And Mail sent to your email ID

Please check your Gmail

Graphical user interface, text, application

Description automatically generated

In Gmail you will see the one mail came from AWS notification.

* Click on that mail open it

Graphical user interface, text, application, email

Description automatically generated

Before opening that mail you can see the details of Subscription topic is in pending stage.

Graphical user interface, application

Description automatically generated

Now open mail

Click on confirm subscription

Graphical user interface, text, application

Description automatically generated

You will get this new tab open in browser automatically

In that Subscription confirmed !!! in there.Graphical user interface, text, application

Description automatically generated

In SNS Service details you can see the status is now Confirmed

Graphical user interface

Description automatically generated with low confidence

As shown in this tab

Graphical user interface, text, application, email

Description automatically generated

If you want to Unsubscribe this click on “click here to unsubscribe “ as shown in figure.

Graphical user interface, text, application, email

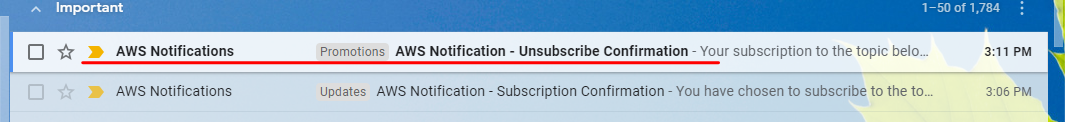
Description automatically generated

Subscription get removed.

Graphical user interface, text, application

Description automatically generated

Again, check in mail box that you unsubscribe is confirmed.



Open the mail

There is one more option to again resubscribe it

If you want to subscribe It you can do by just clicking it.

Graphical user interface, text, application

Description automatically generated

You can delete subscriptions you can delete it

* Select subscription and click on delete

Graphical user interface, text, application, email

Description automatically generated

* Click on Delete

Graphical user interface, text, application, email

Description automatically generated

**Mobile Messaging**

You can send notification by Mobile SMS .

* Click on Text messaging (SMS)
* Click on Publish text message

Graphical user interface, application

Description automatically generated

* Add a Phone Number
* Select message language

Graphical user interface, text, application, email

Description automatically generated

* Verify phone number
* You will get one verification code on you mobile phone write that number here
* And verify your number
* Its important to get your number verified then only you will get notified my AWS SNS.

Graphical user interface, text, application, email

Description automatically generated

* Write Message in Message box
* Select message type – Promotional
* Destination phone number

Graphical user interface, text, application, email

Description automatically generated

Keep other things by default

Click on Publish message

Graphical user interface, text, application, email

Description automatically generated

When you start using Amazon SNS to send SMS messages, your AWS account is in the *SMS sandbox*. The SMS sandbox provides a safe environment for you to try Amazon SNS features without risking your reputation as an SMS sender. While your account is in the SMS sandbox, you can use all of the features of Amazon SNS, with the following restrictions:

* You can send SMS messages only to verified destination phone numbers.
* You can have up to 10 verified destination phone numbers.
* You can delete destination phone numbers only after 24 or more hours have passed since verification or the last verification attempt.

Graphical user interface, text, application, email

Description automatically generated

Delete phone number

You can only delete phone number after 24 hours of verification.

Graphical user interface, text, application, email

Description automatically generated

But you can delete Topic

* Select topic that we have created
* Click on delete

Graphical user interface, text, application, email

Description automatically generated

Write delete me in dialogue box and click on delete.

Graphical user interface, application

Description automatically generated