Simple Notification Services (SNS)

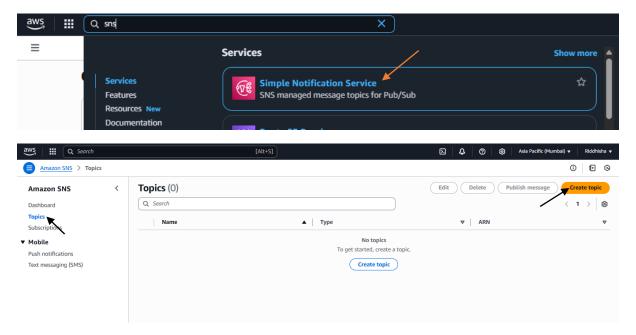
Introduction:

- "Amazon SNS" (Simple Notification Service) is a fully managed service that lets you send messages or alerts to many users or systems at the same time.
- It uses a "publish-subscribe" model, where messages are sent to a "topic", and all the "subscribers" of that topic receive the message.
- You can send messages through "SMS", "Email", "Mobile Push Notifications", or even to other AWS services like "SQS" or "Lambda".
- "Amazon SNS" is fast, reliable, and can easily scale, which makes it useful for sending alerts, system updates, or automatic notifications in AWS-based applications.

Step by Step Instructions:

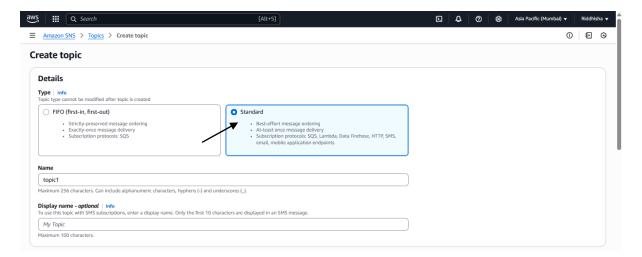
Step1:

- Go to the search bar on AWS Management Console and search "SNS".
- On the left side menu, click on "Topics".
- Now click on "Create topic".



Step 2:

• In "Type", choose "Standard" if you want to send messages like email or SMS.

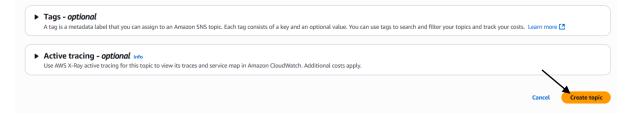


- Write the "Name" of topic.
- Write "Display name" also if you want. It is optional.

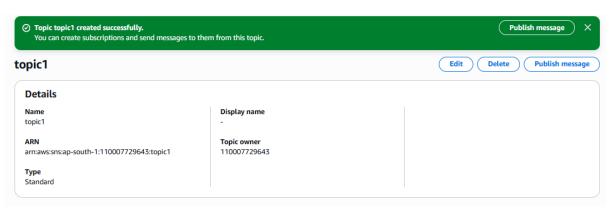
Name topic1

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (_).

- Leave rest other options as it is.
- Click on "Create topic".



• Topic is created.



Create subscription for "Email":

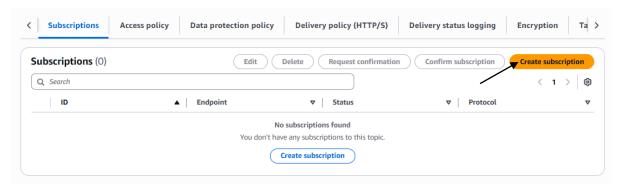
Step 3:

Now, we have to create a "Subscription" for Email.

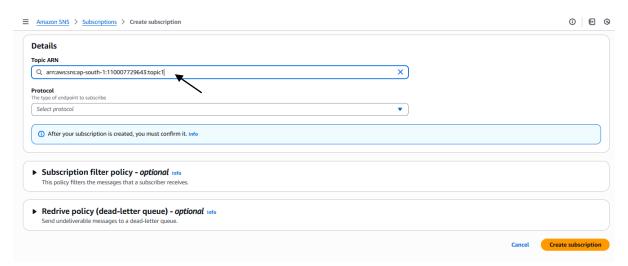
• Select the topic you just created and click on the topic name.



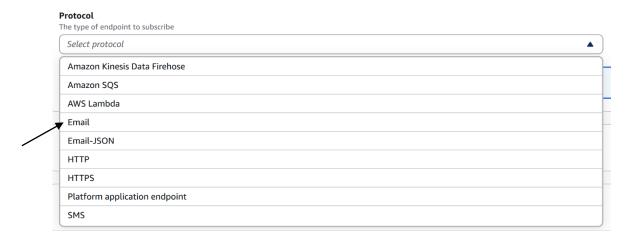
• Scroll down and click on "Create subscription".



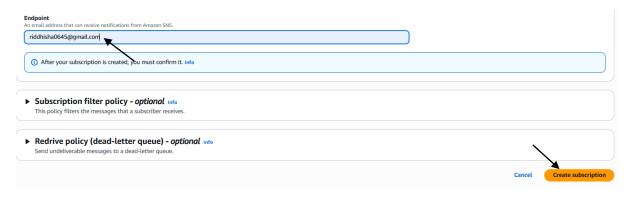
• Select the "Topic ARN".



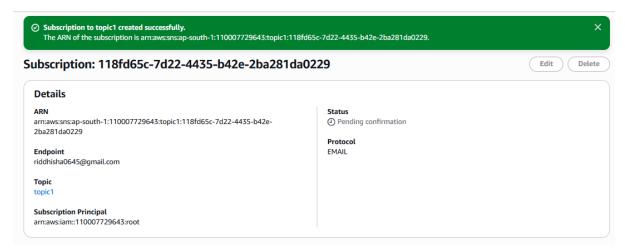
• Click on "Protocol" and select "Email".



- In "Endpoint", write an email address where you want to send the message.
- Click on "Create Subscription".

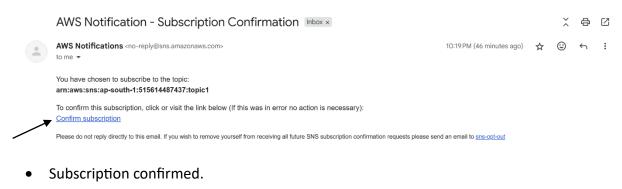


• Subscription is created.



Step 4:

• Check the email that you entered and click on "Confirm subscription".





Step 5:

• Select the topic you have created and click on "Publish message".



• "Subject" is optional .

Publish message to topic

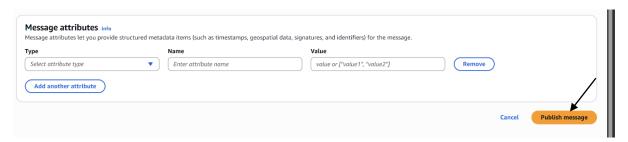


• In "Message body to send to the endpoint", write message.

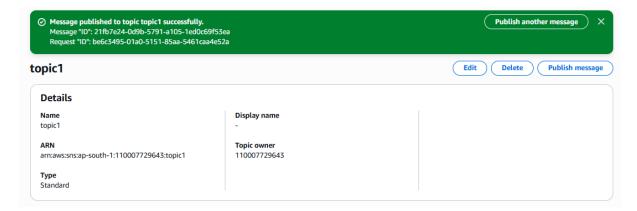
Message body to send to the endpoint



• Click on "Publish message".

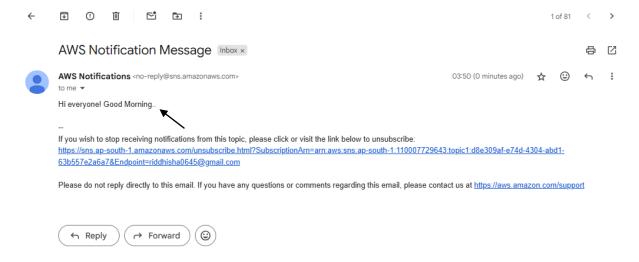


• Message is published.



Step 6:

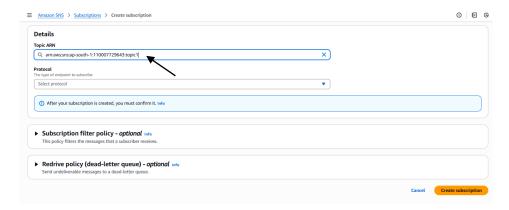
• Go to the mail and check whether the mail is received or not.



Create subscription for "SMS":

Step 7:

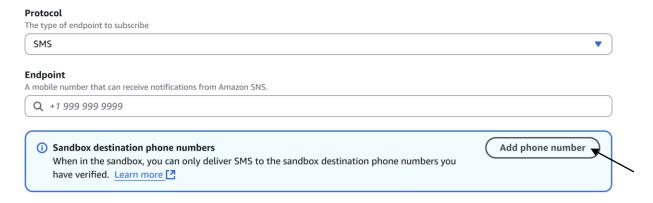
- Select the topic you have created and click on "Create subscription" as you did before.
- Select the "Topic ARN".



• In "Protocol", select "SMS".



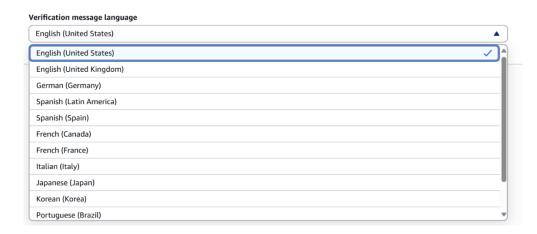
 Now click on "Add phone number" to add a number where you want to send the message.



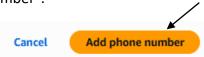
• Enter the "Phone number".



• Select "Verification message language".



• Click on "Add phone number".

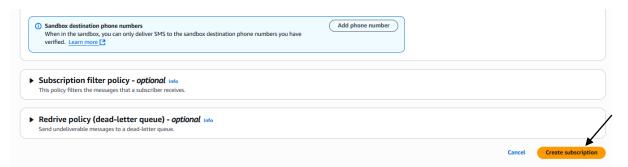


- Enter the "Verification code" received from AWS.
- Click on "Verify phone number".

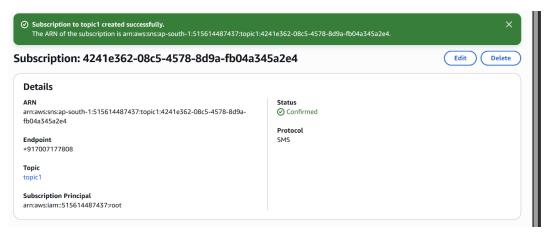


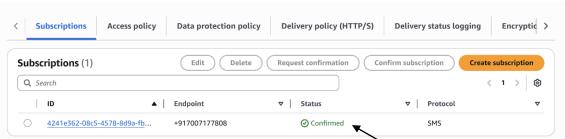
Step 8:

• Now click on "Create subscription".



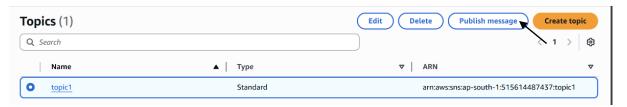
Subscription is created.





Step 9:

• Select the "topic" and click on "Publish message".



• "Subject" is optional.

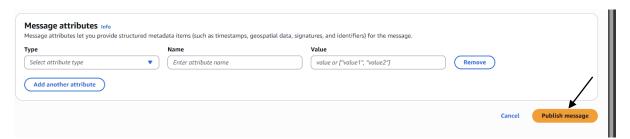


Write your message in "Message body to send to the endpoint".

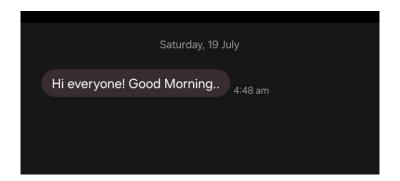
Message body to send to the endpoint



• Click on "Publish message".



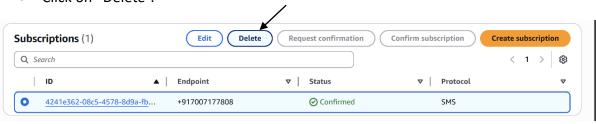
- Message is sent to the entered phone number.
- Message is received also.



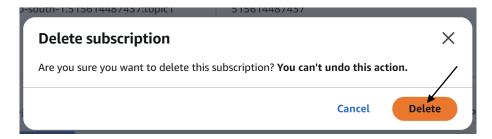
Delete a Subscription:

Step 10:

- Go to "Subscriptions" and select the subscription.
- Click on "Delete".



• Click on "Delete" button.



Subscription deleted successfully.



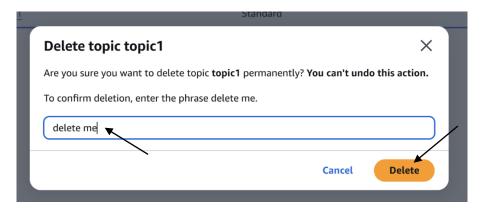
Delete a Topic:

Step 11:

Select the topic and click on "Delete".



• Write "delete me" to confirm and click on "Delete" button.



• The topic is deleted successfully.

