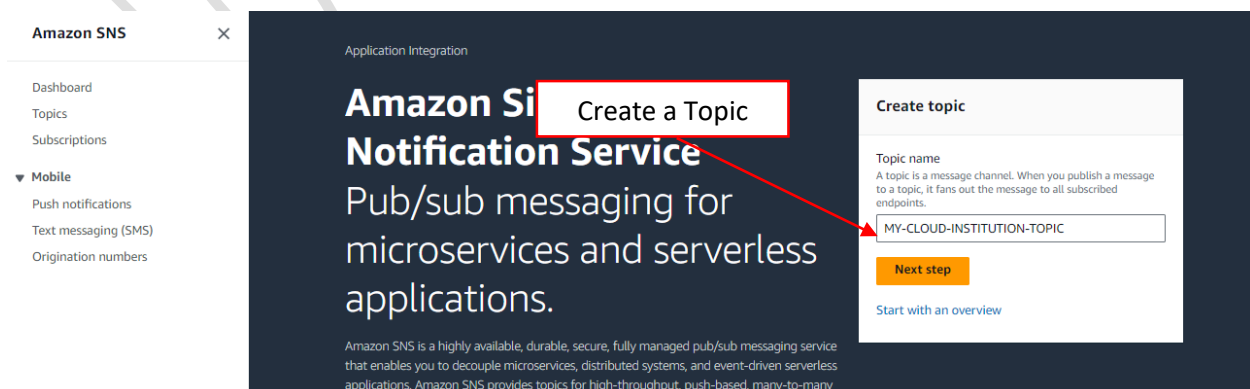
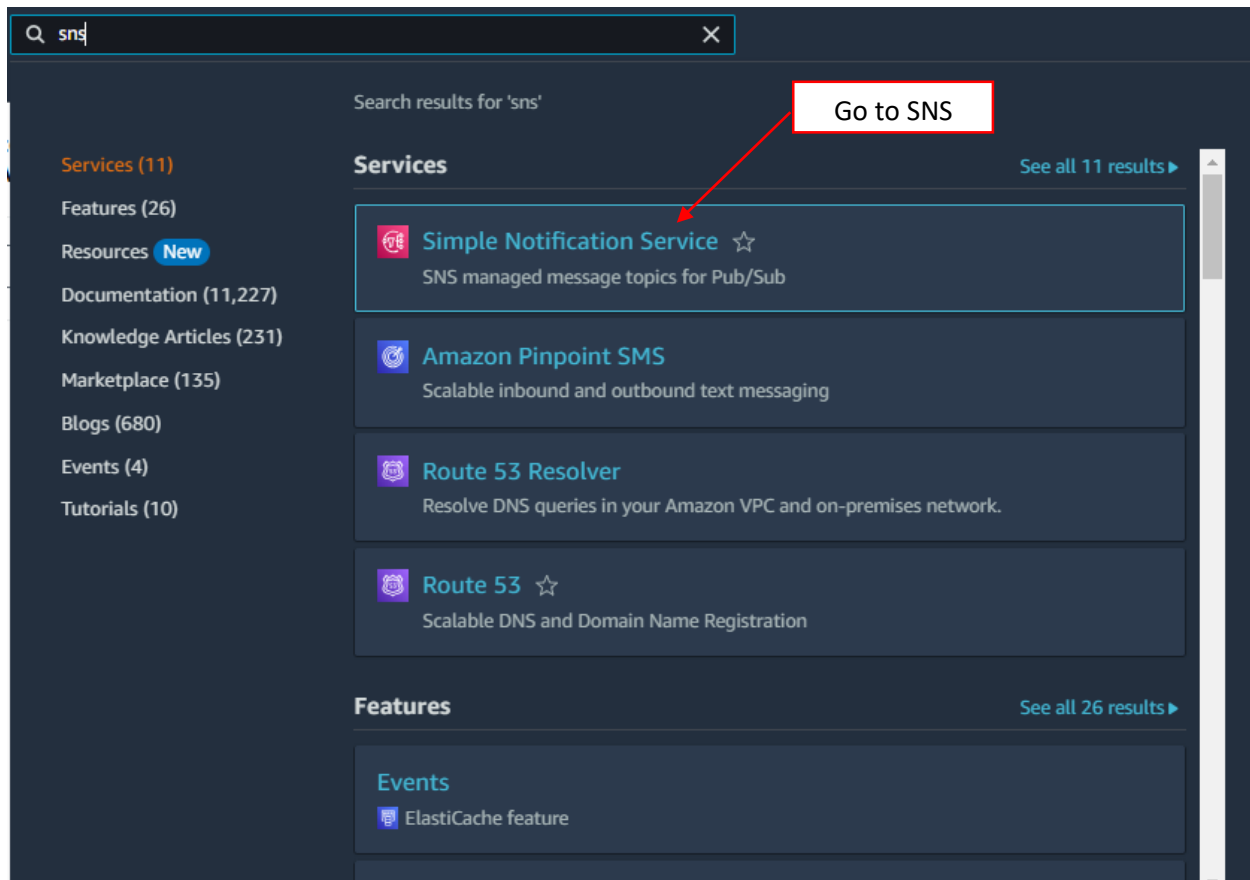


## CREATE AN SNS (SIMPLE NOTIFICATION SERVICE) TOPIC AND SUBSCRIBE AN EMAIL ENDPOINT TO IT



**Amazon SNS** ×

Dashboard  
**Topics**  
Subscriptions  
▼ Mobile  
Push notifications  
Text messaging (SMS)  
Origination numbers

Amazon SNS > Topics > Create topic

## Create topic

**Details**

Type **Info**  
Topic type cannot be modified after topic is created

☐ FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- High throughput, up to 300 publishes/second
- Subscription protocols: SQS

☒ **Standard**

- Best-effort message ordering
- At-least once message delivery
- Highest throughput in publishes/second
- Subscription protocols: SQS, Lambda, HTTP, SMS, email, mobile application endpoints

Name  
MY-CLOUD-INSTITUTION-TOPIC  
Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (\_).

Display name - optional **Info**  
To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.  
MY-CLOUD-INSTITUTION-TOPIC  
Maximum 100 characters.

Choose the type of topic you want to create (Standard or FIFO). For this example, we'll create a Standard topic.

aws **Services**  [Alt+S] EC2 N. Virginia shw

**Amazon SNS** ×

Dashboard  
**Topics**  
Subscriptions  
▼ Mobile  
Push notifications  
Text messaging (SMS)  
Origination numbers

**Data protection policy - optional** **Info**  
This policy defines which sensitive data to monitor and to prevent from being exchanged via your topic.

**Delivery policy (HTTP/S) - optional** **Info**  
The policy defines how Amazon SNS retries failed deliveries to HTTP/S endpoints. To modify the default settings, expand this section.

**Delivery status logging - optional** **Info**  
These settings configure the logging of message delivery status to CloudWatch Logs.

**Tags - optional**  
A tag is a metadata label that you can assign to an Amazon SNS topic. Each tag consists of a key and an optional value. You can use tags to search and filter your topics and track your costs. [Learn more](#)

**Active tracing - optional** **Info**  
Use AWS X-Ray active tracing for this topic to view its traces and service map in Amazon CloudWatch. Additional costs apply.

Cancel **Create topic**

Click on Create Topic

## SNS Topic Created

Amazon SNS

Topic MY-CLOUD-INSTITUTION-TOPIC created successfully.  
You can create subscriptions and send messages to them from this topic.

Amazon SNS > Topics > MY-CLOUD-INSTITUTION-TOPIC

### MY-CLOUD-INSTITUTION-TOPIC

Edit Delete Publish message

**Details**

Name	MY-CLOUD-INSTITUTION-TOPIC	Display name	MY-CLOUD-INSTITUTION-TOPIC
ARN	arn:aws:sns:us-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC	Topic owner	473869189128
Type	Standard		

< Subscriptions Access policy Data protection policy Delivery policy (HTTP/S) Delivery status logging Encryption Tags >

Amazon SNS

Name MY-CLOUD-INSTITUTION-TOPIC

Display name MY-CLOUD-INSTITUTION-TOPIC

ARN arn:aws:sns:us-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC

Topic owner 473869189128

Type Standard

< Subscriptions Access policy Data protection policy Delivery policy (HTTP/S) Delivery status logging Encryption Tags >

**Subscriptions (0)** Edit Delete Request confirmation Confirm subscription **Create subscription**

Search

Click on Create subscription

ID	Status	Protocol
No subscriptions found You don't have any subscriptions to this topic.		

Create subscription

**Amazon SNS** ×

Dashboard  
Topics  
**Subscriptions**

▼ Mobile  
Push notifications  
Text messaging (SMS)  
Origination numbers

**Details**

Topic ARN  
arn:aws:sns:us-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC

Protocol  
The type of endpoint to subscribe

Select protocol

- Amazon Kinesis Data Firehose
- Amazon SQS
- AWS Lambda
- Email**
- Email-JSON
- HTTP
- HTTPS
- Platform application endpoint
- SMS

In the "Protocol" dropdown, select "Email."

**Amazon SNS** ×

Dashboard  
Topics  
**Subscriptions**

▼ Mobile  
Push notifications  
Text messaging (SMS)  
Origination numbers

Topic ARN  
arn:aws:sns:us-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC

Protocol  
The type of endpoint to subscribe

Email

Endpoint  
An email address that can receive notifications from Amazon SNS.

cloudinstitution@gmail.com

After your subscription is created, you must confirm it. [Info](#)

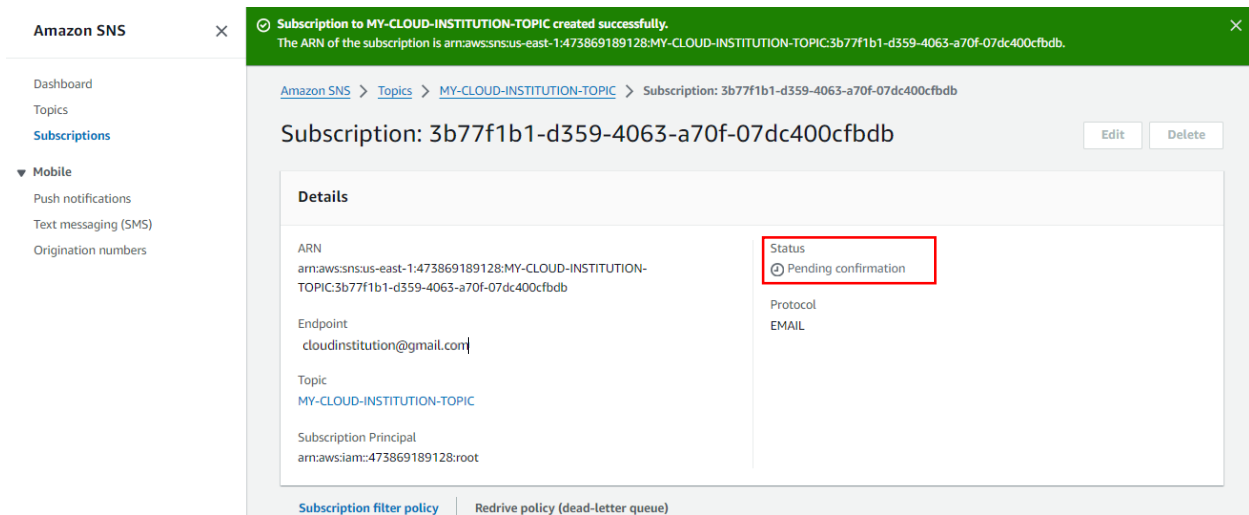
► **Subscription filter policy - optional** [Info](#)  
This policy filters the messages that a subscriber receives.

► **Redrive policy (dead-letter queue) - optional** [Info](#)  
Send undeliverable messages to a dead-letter queue.

Click on "Create subscription."

Cancel **Create subscription**

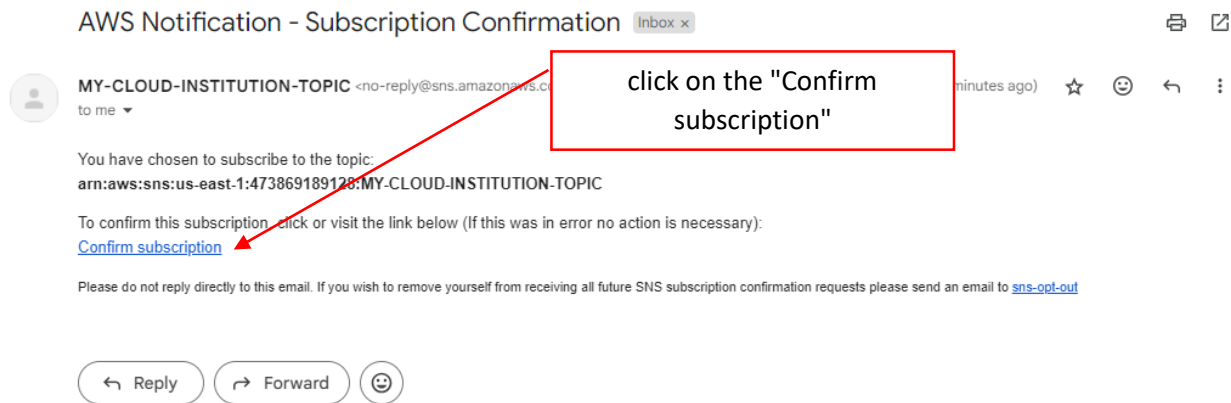
## Subscription created



The screenshot shows the Amazon SNS console. A green notification banner at the top states: "Subscription to MY-CLOUD-INSTITUTION-TOPIC created successfully. The ARN of the subscription is arn:aws:sns-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC:3b77f1b1-d359-4063-a70f-07dc400cfbdb." The left sidebar shows the navigation menu with "Subscriptions" selected. The main content area displays the details for the subscription "3b77f1b1-d359-4063-a70f-07dc400cfbdb". The "Details" section shows the ARN, Endpoint (cloudinstitution@gmail.com), Topic (MY-CLOUD-INSTITUTION-TOPIC), and Subscription Principal (arn:aws:iam:473869189128:root). The "Status" is highlighted with a red box and shows "Pending confirmation".

AWS SNS will send a confirmation email to the email address you specified.

Open your email inbox, find the confirmation email from AWS Notifications.



The screenshot shows an email titled "AWS Notification - Subscription Confirmation". The sender is "MY-CLOUD-INSTITUTION-TOPIC <no-reply@sns.amazonaws.com>". The email body states: "You have chosen to subscribe to the topic: arn:aws:sns:us-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC. To confirm this subscription, click or visit the link below (If this was in error no action is necessary): [Confirm subscription](#)". A red arrow points from the "Confirm subscription" link to a red box containing the text "click on the 'Confirm subscription'". The email footer includes a disclaimer: "Please do not reply directly to this email. If you wish to remove yourself from receiving all future SNS subscription confirmation requests please send an email to [sns-opt-out](#)".



Simple Notification Service

**Subscription confirmed!**

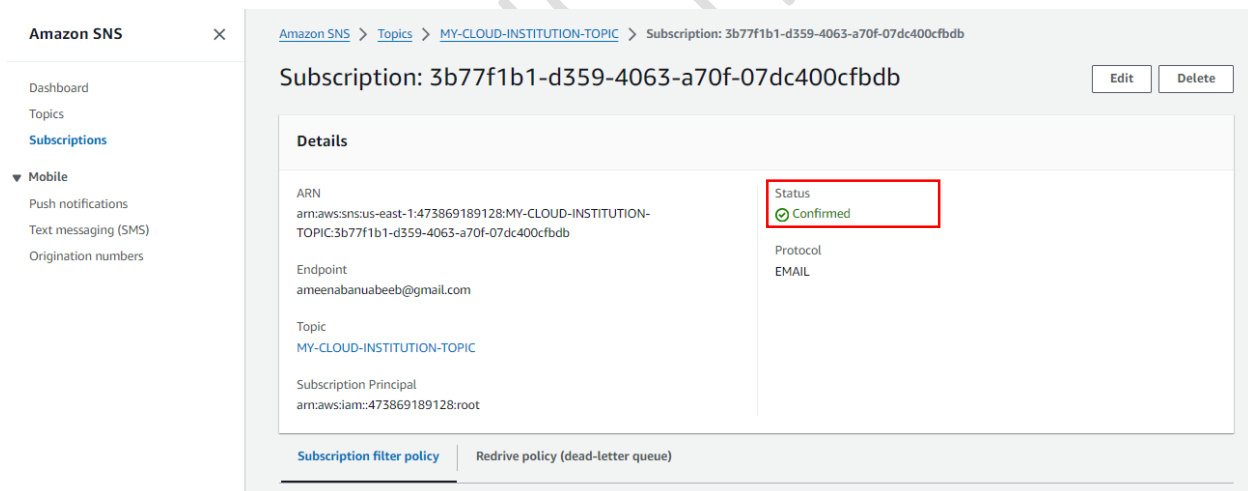
You have successfully subscribed.

Your subscription's id is:

arn:aws:sns:us-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC:3b77f1b1-d359-4063-a70f-07dc400cfbdb

If it was not your intention to subscribe, [click here to unsubscribe](#).

Once confirmed, the email address will be subscribed to the topic, and you'll see the status of the subscription change to "Confirmed" in the SNS console.



The screenshot shows the Amazon SNS console interface. On the left is a navigation menu with options: Dashboard, Topics, Subscriptions (selected), Mobile, Push notifications, Text messaging (SMS), and Origination numbers. The main content area shows the details for a specific subscription: 'Subscription: 3b77f1b1-d359-4063-a70f-07dc400cfbdb'. The 'Details' section lists the ARN, Endpoint (ameenabanuabeeb@gmail.com), Topic (MY-CLOUD-INSTITUTION-TOPIC), and Subscription Principal (arn:aws:iam::473869189128:root). The 'Status' is highlighted with a red box and shows a green checkmark and the word 'Confirmed'. The 'Protocol' is listed as 'EMAIL'. At the bottom, there are links for 'Subscription filter policy' and 'Redrive policy (dead-letter queue)'.

Details	
ARN	arn:aws:sns:us-east-1:473869189128:MY-CLOUD-INSTITUTION-TOPIC:3b77f1b1-d359-4063-a70f-07dc400cfbdb
Endpoint	ameenabanuabeeb@gmail.com
Topic	MY-CLOUD-INSTITUTION-TOPIC
Subscription Principal	arn:aws:iam::473869189128:root
Status	Confirmed
Protocol	EMAIL