

# SNS

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In this hands-on exercise, you will learn how to send alerts via SNS by creating a topic, subscribing to a topic, and publishing an alert message to a topic.

## Prerequisites:

- AWS Account

## Topics Covered:

By the end of this lab, you will be able to:

- Create a topic
- Subscribe to a topic
- Publish a message to a topic

## Steps:

### 1. Create a Topic

- On the AWS Management Console page, type `sns` in the `Find Services` box and then select `Simple Notification Service`. The SNS Dashboard appears.
- On the left-hand menu, click on `Topics`.
- Click on `Create topic`.
- Enter a name for your topic in the `Name` field.
- In the `Access policy - optional` section, for the `Define who can publish messages to the topic` section, ensure `Everyone` is selected allowing anyone to publish to the topic. For the `Define who can subscribe to this topic` section, ensure `Everyone` is selected.
- Click `Create Topic`. The topic screen will display.

### 2. Subscribe to a Topic

- Click `Create subscription` from the `Subscriptions` section.
- For the `Protocol` field, select `Email`.
- For the `Endpoint`, enter the email that should receive the notifications.
- Click `Create subscription`.
- The subscription page will display and the status will be `Pending confirmation`.  
After your subscription is created, you must confirm it.
- In your email client, check the email address that you provided for the `Endpoint` and choose `Confirm subscription` in the email from Amazon SNS.
- In your web browser, a subscription confirmation screen appears.

### 3. Publish a Message to a Topic

- From the menu on the left-hand side, click on `Topics`.
- Select the topic you created earlier and then click `Publish message`.
- Enter a subject in the `Subject` field.
- Enter a value in the `Message body to send to the endpoint box` in the `Message body` section.
- Scroll down and click `Publish message`.
- In your email client, read the email from Amazon SNS.