**Lab - SNS**

**SNS**

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.