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ABOUT US

Our Vision:

To provide better training by full filing the requirements of our trainee.

Our Mission:

We always ensure to give practical based training. And we make the candidates to get good hands-on experience on any platform.

Philosophy:

Our Root Level Training Will give you Better Growth.

We successfully survived around 5 years in the IT field. Started this is as small Training room. But now we are having 5 branches across India.

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For More Details: **www.hitechins.in**

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Simple Notification Service

Amazon Simple Notification Service (Amazon SNS) is a web service that coordinates and manages the delivery or sending of messages to subscribing endpoints or clients. In Amazon SNS, there are two types of clients—publishers and subscribers—also referred to as producers and consumers. Publishers communicate asynchronously with subscribers by producing and sending a message to a topic, which is a logical access point and communication channel. Subscribers (i.e., web servers, email addresses, Amazon SQS queues, AWS Lambda functions) consume or receive the message or notification over one of the supported protocols (i.e., Amazon SQS, HTTP/S, email, SMS, Lambda) when they are subscribed to the topic.
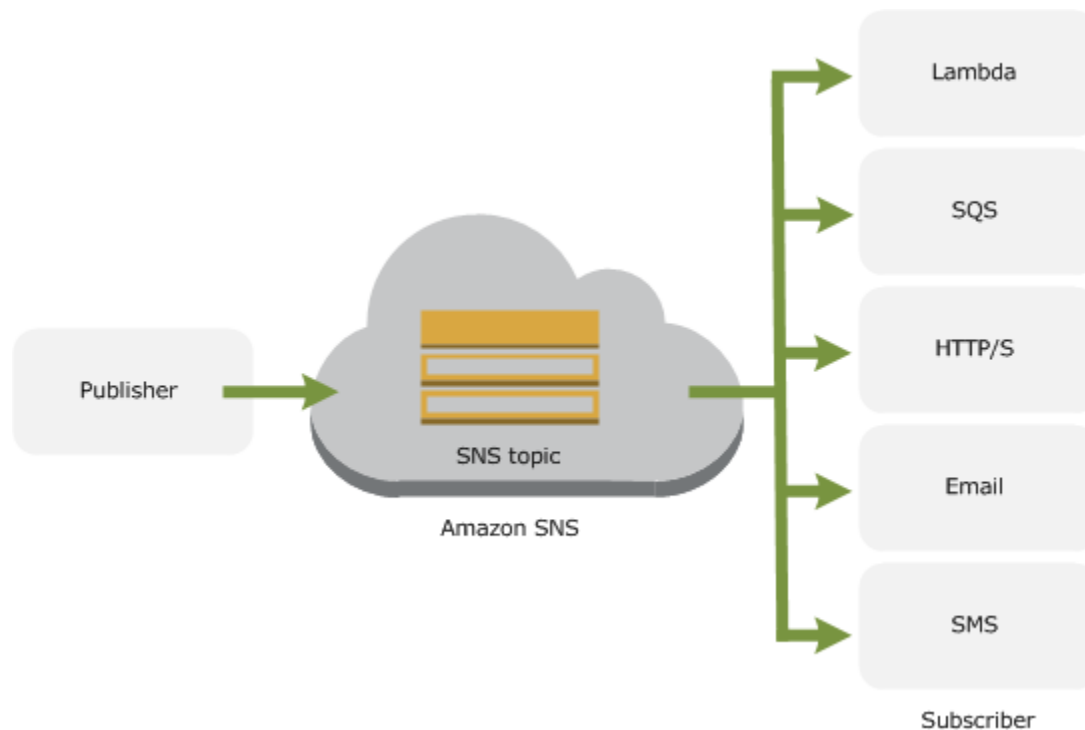
When using Amazon SNS, you (as the owner) create a topic and control access to it by defining policies that determine which publishers and subscribers can communicate with the topic. A publisher sends messages to topics that they have created or to topics they have permission to publish to. Instead of including a specific destination address in each message, a publisher sends a message to the topic. Amazon SNS matches the topic to a list of subscribers who have subscribed to that topic, and delivers the message to each of those subscribers. Each topic has a unique name that identifies the Amazon SNS endpoint for publishers to post messages and subscribers to register for notifications. Subscribers receive all messages published to the topics to which they subscribe, and all subscribers to a topic receive the same messages.

To get started with Amazon SNS

1. Sign in to the AWS Management Console and open the Amazon SNS console at https://console.aws.amazon.com/sns/v2/home.

2. Choose the **Get Started** button.

   You should now be on the SNS Home page.

Create a Topic

Now that you're signed up for Amazon SNS, you're ready to create a topic. A topic is a communication channel to send messages and subscribe to notifications. It provides an access point for publishers and subscribers to communicate with each other. In this section you create a topic named *MyTopic*.

To create a topic

1. In the Amazon SNS console, choose **Create topic**.

    The **Create topic** dialog box appears.

2. In the **Topic name** box, type a topic name.
3. Choose **Create topic**.
4. On the **Topic Details** page, select the new topic and then choose the topic ARN.
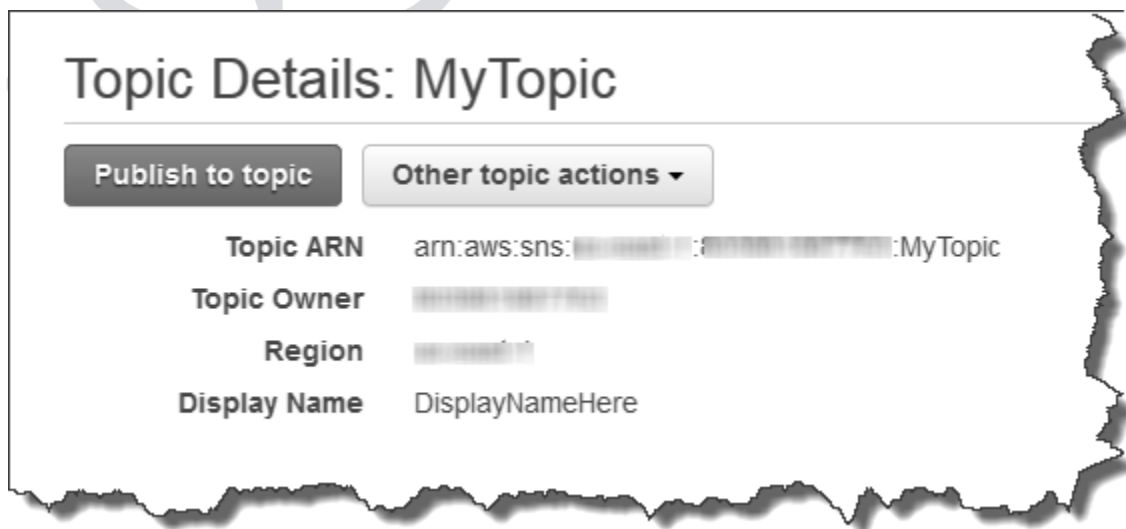
5. Copy the topic **ARN**.
6. `arn:aws:sns:us-west-2:111122223333:MyTopic`

Subscribe to a Topic

To receive messages published to a topic, you have to subscribe an endpoint to that topic. An endpoint is a mobile app, web server, email address, or an Amazon SQS queue that can receive

notification messages from Amazon SNS. Once you subscribe an endpoint to a topic and the subscription is confirmed, the endpoint will receive all messages published to that topic.

In this section you subscribe an endpoint to the topic you just created in the previous section. You configure the subscription to send the topic messages to your email account.

To subscribe to a topic

1. Open the Amazon SNS console at https://console.aws.amazon.com/sns/v2/home.
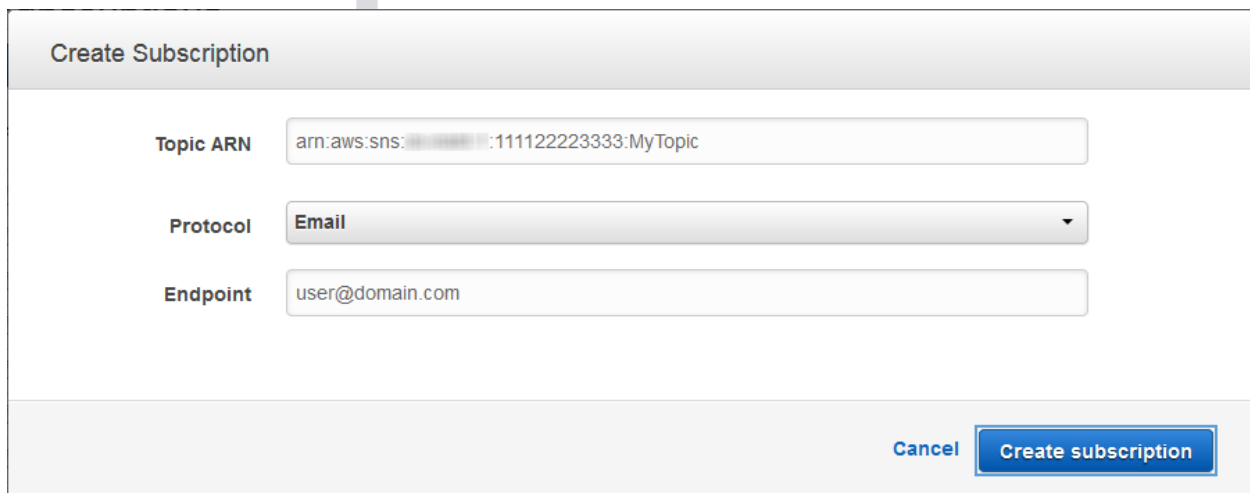2. Choose **Create subscription**.

   The **Create Subscription** dialog box appears.

3. In the **Topic ARN** field, paste the topic ARN you created in the previous task, for example: `arn:aws:sns:us-west-2:111122223333:MyTopic`.
4. In the **Protocol** drop-down box, select **Email**.
5. In the **Endpoint** box, type an email address you can use to receive the notification.

   Important

   Entourage Users: Entourage strips out the confirmation URL. Type an email address you can access in a different email application.

6. Choose **Create subscription**.

7. Go to your email application and open the message from AWS Notifications, and then choose the link to confirm your subscription.

   Your web browser displays a confirmation response from Amazon SNS.

Publish to a Topic

Publishers send messages to topics. Once a new message is published, Amazon SNS attempts to deliver that message to every endpoint that is subscribed to the topic. In this section you publish a message to the email address you defined in the previous task.
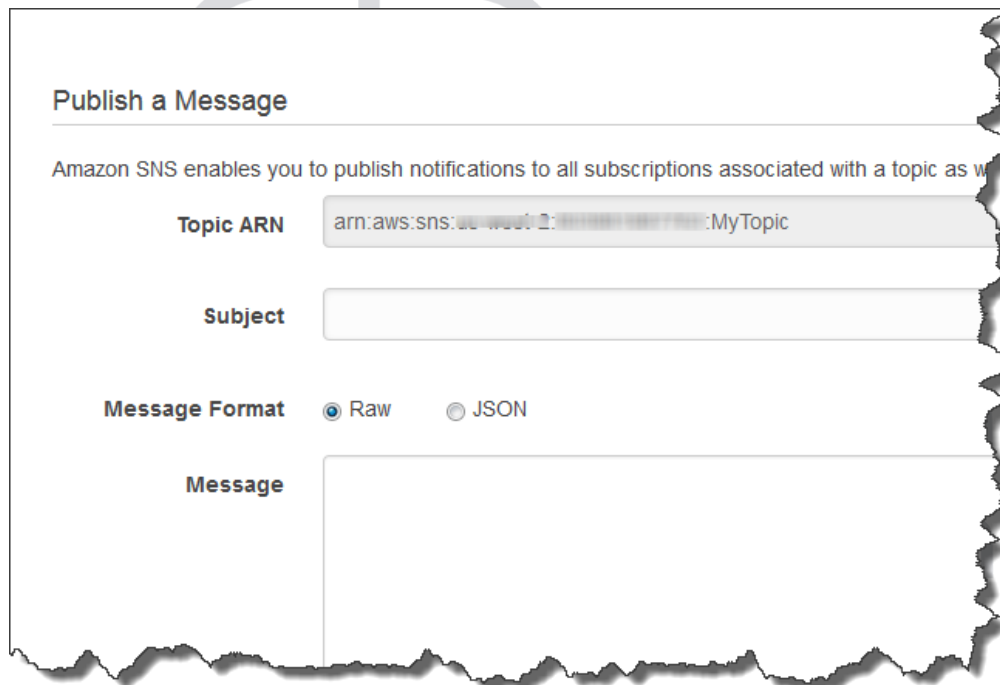
To publish to a topic

1. Open the Amazon SNS console at https://console.aws.amazon.com/sns/v2/home.

   In the left navigation pane, choose **Topics** and then select the topic you want to publish to.

2. Choose the **Publish to topic** button.

   The **Publish a Message** page appears.

Publish a Message

Amazon SNS enables you to publish notifications to all subscriptions associated with a topic as w

| Topic ARN | arn:aws:sns: :MyTopic |

| Subject | |

Message Format   ⦿ Raw   ◯ JSON

| Message | |

3. In the **Subject** box, type a subject line for your message.
4. In the **Message** box, type a brief message.
5. Choose **Publish Message**.

   A confirmation dialog box appears.

You can now use your email application to open the message from AWS Notifications and read the message.

Clean Up

You have created a topic, subscribed to it, and published a message to the topic. Now you clean up your environment by unsubscribing from the topic and then deleting the topic.

To unsubscribe from a topic

1. Open the Amazon SNS console at https://console.aws.amazon.com/sns/v2/home.

    In the left navigation pane, choose **Subscriptions**.

    The **Subscriptions** page opens.

2. Select your subscription in the subscription list. This will be the only listing on the page, unless you created more than one subscription.
3. Choose the **Actions** drop-down list and then choose **Delete subscription(s)**.

    The **Delete** confirmation dialog box appears.

4. Choose **Delete**.

The subscription is deleted, unless it is a pending subscription, meaning it has not yet been confirmed. You cannot delete a pending subscription, but if it remains pending for 3 days, Amazon SNS automatically deletes it.
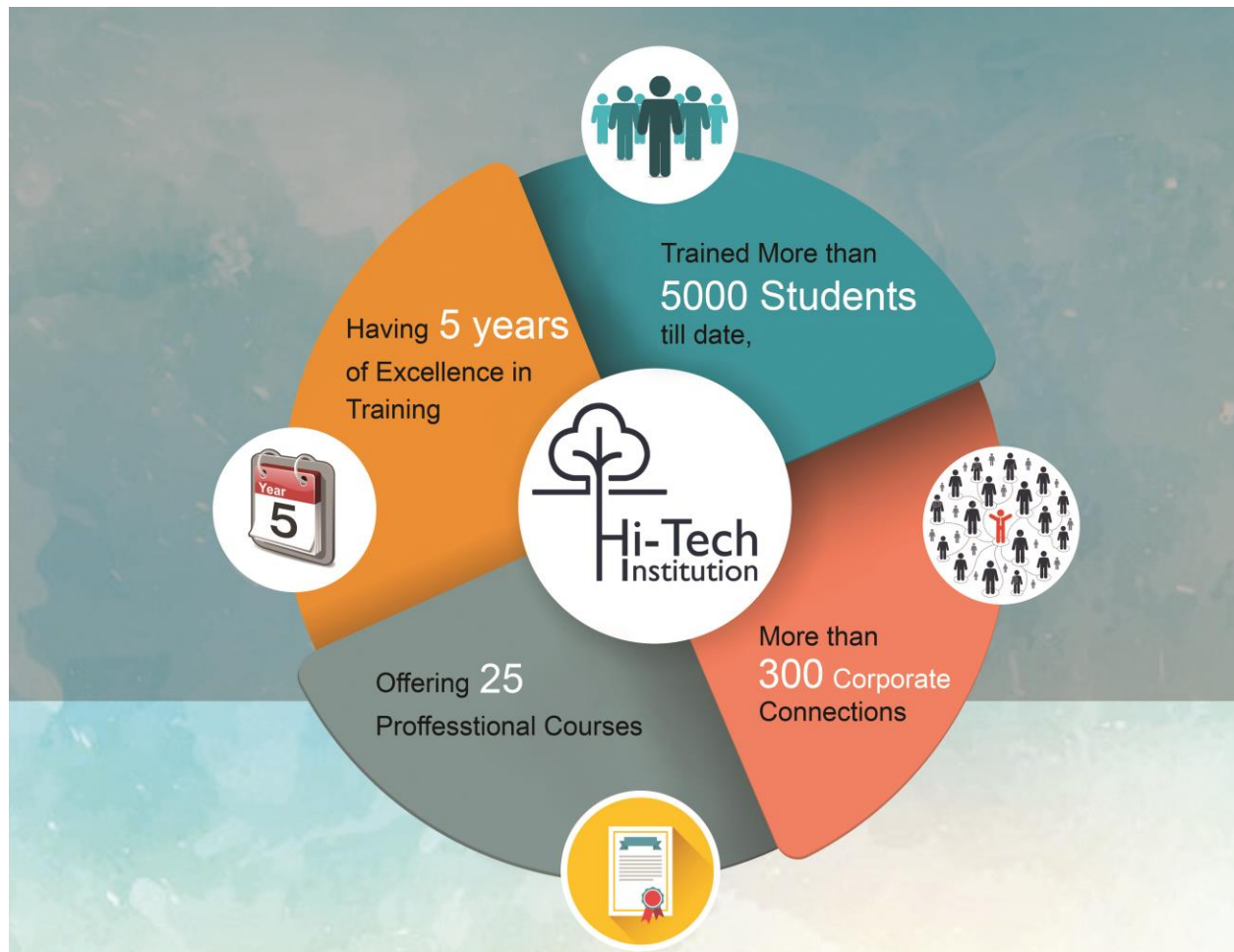
To delete a topic

Open the Amazon SNS console at https://console.aws.amazon.com/sns/v2/home.

1. In the left navigation pane, choose **Topics**, and then select the topic you want to delete.
2. Choose the **Actions** drop-down list and select **Delete topics**.

    The **Delete** confirmation dialog box appears.

3. Choose **Delete**.

    When you delete a topic, you also delete all subscriptions to that topic.

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