



## ❖ SIMPLE NOTIFICATION SERVICE (SNS):

- SNS is a web service that makes it easy to set up, operate, and send notifications from the cloud.
- It is a fully managed messaging service for both **application-to-application (A2A)** and **application-to-person (A2P)** communication.
- We are able to use SNS to receive notifications when events occur in our AWS environment.
- SNS is integrated into many AWS services, it is very easy to setup notifications based on events that occur in those services.
- CloudWatch and SNS, a fully-environment monitoring solution can be created that notifies administrators of alerts, capacity issues, downtime, changes in the environment and more!

## FEATURES:

- Application-to-application messaging
- Application-to-person notifications
- Standard and FIFO topics
- Message durability
- Message archiving and analytics
- Message filtering & Security

## ➤ SNS COMPONENTS:

<b>TOPIC</b>	: The group of subscriptions that you send a message to.
<b>SUBSCRIPTION</b>	: An endpoint that a message is sent.
<b>PUBLISHER</b>	: The entity that triggers the sending of a message.
<b>ENDPOINTS</b>	: HTTP, HTTPS, EMAIL, SQS, LAMBDA, SMS...etc

## ➤ TOPIC TYPES:

**STANDARD:** Use a standard topic when message delivery order and possible message duplication are not critical. All of the supported delivery protocols can subscribe to a standard topic.

**FIFO:** Use a FIFO topic to ensure strict message ordering, to define message groups, and to prevent message duplication. Only Amazon SQS FIFO queues can subscribe to a FIFO topic.